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Title: Concise Handbook on Characteristics of Domestically
Produced Automobiles

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Introduction

The birth of the first Chieh Fang (STC 6043/2397) brand automobile in July 1956 at the first automobile manufacturing plant ended that phase of our history in which we were unable to produce automobiles in our country.

With the encouragement of the policies brought forward by the party and chairman Mao we realized a great leap forward in national production. National production of automobiles is developing everywhere and successful reports are coming in all the time.

The First Automobile Manufacturing Plant, in its multi-variety production has produced, on the basis of Chieh Fang brand automobile, a dump truck, sprinkler, coal gas truck and liquified gas vehicles and also has succeeded in trial manufacturing of Tung Feng brand sedan and Hung Ch'i brand high class sedans. Pei Ching (STC 0554/0079) Automobile Manufacturing Plant has also succeeded in the trial manufacture of Ching Kang Shan (STC 2529/1511/1472) brand sedans. The various automobile parts works, automobile repair shops, ordinary machinery works and even those simply equipped maintenance shops were all having the spirit of dare to think, dare to do and dare to create in trial manufacturing of automobiles. Workers, under the Party's leadership and encouragement, have developed their unlimited wisdom and worked with tireless revolutionary spirit to overcome various difficulties. They adopted both foreign and native methods and worked with both machines and hands to accomplish the various models of automobiles.

These automobiles can be classified into eight groups: sedans, trucks, cross country trucks, buses, three-wheel vehicles, special vehicles, electric vehicles and motorcycles. The author gathered material on 90 models and compiled this book, "Concise Hand Book on Characteristics of Domestically Produced Automobiles" to celebrate the great victory of our automobile industry on the battle line of communication and transportation and to present it as reference material for the manufacturing and operation of our domestically produced automobiles.

We want to extend our thanks to the various automobile manufactures and the 6th Bureau of the first Ministry of Machine Industry for supplying us with the necessary material and photos. Owing to the time element, some material is missing and some mistakes may be found. We invite the various automobile manufacturers and readers to contribute material and corrections so that we will be able to make revisions in the next publication.

A Complete List on Characteristics of Domestically Produced Automobile

Engines

Brand and Model	Fuel	Nr of cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Sedan										
Hung Ch'i brand	Gasoline	V8		5.3	7.5	200	4400	43	2000	First Automobile Manufacturing Plant
Tung Feng brand CA-71 model	"	4	85 x	1.9	7	70	4400	13.5	3000	" "
Ching Kang Shan brand	"	4	77 x 64	1.192	6.6	36	3700	8	2200	Pei Ching Automobile Manu. Plant
Ho P'ing brand Model I	"	4	77 x 78	1.453	7.2	55	4400	10.5	2600	Tien Ching Automobile Repairing shop
Hsien Chin brand Model 71	"	6	87.31 x 107.95	3.89	6.8	95	3600	25.6	1200	Ch'ung Ch'ing State operated Hsin Chien Machinery Plant
Hai Yen 250 Model	"	1	75 x 65	0.2485	6.25	12	4250	2	3500	Micro Automobile Plant & Ferry Boat Repairing Shop of Shanghai Utility Administration

Trucks

Chieh Fang brand CA-10 Model	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	First Automobile Manufacturing Plant
Chieh Fang brand CA-11B Model	"	6	101.6 x 114.3	5.55	6					" "

Trucks (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Yao Chin brand CN-120 Model	Gasoline	4	82 x 100	2.12	6.2	52	3600	12.5	1800	Nan Ching Automobile Manufacturing Plant
Yao Chin brand CN-130 Model	"	6	82 x 110	3.48	6.2	79.5	3300	20.5	1600	" "
Hung Ch'i brand CH-12C	Diesel	4	110 x 140	5.322	21	85	2200	30	1350	Chi Nan Automobile Manufacturing Plant
Hung Ch'i brand	Gasoline	6	82 x 110	3.48	6.2	70	2800	21.5	1600	Pei Ching Bus and Truck Co, Repairing shop.
Hung Ch'i brand H-58 Model	"	6	88.9 x 114.3	4.27	6.3	93	3000	27.7		Kun Ming Automobile Repairing & Assembling shop
Hung Ch'i brand	Coal gas	4	115 x 145	6.024	8.5	52				Heng Yang automobile Repairing shop
Ch'ang Cheng brand	Gasoline	6	82 x 110	3.48	6.2	70	2800	20.5	1600	Fu Chou Military District, Automobile Repairing shop
Tung Fang Hung brand	"	6	90.5 x 100	3.86	6.62	93	3100	25.4	1000	Fu Chou Transportation Machine Repairing & Manufacturing shop
Ho P'ing brand Model II	"	6	95.25 x 127	5.43	6.35	116	2800	36.2	1200	Tien Ching Shih Automobile Repairing shop

Trucks (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum torque	Manufacturer
Chien She brand 51 Model	Gasoline	4	93.43 x 108	3.28	5	54	3000	17	1450	Antung Automobile Repairing & Assembling shop
Hsien Chin brand 72 Model	"	6	87.31 x 107.95	3.89	6.8	95	3600	25.6	1200	Ch'ung Ch'ing Hsin Chien Machinery shop
Hsien Chin brand 73 Model	"	V2	90 x 110	1.4	5.7	42	3500	13.3	1200	" "
Meng Chin brand CJ 10 Model	"	6	95.25 x 127	5.43	6.35	118	2800	36.2	1200	Chi Chiang Automobile Parts Manufacturing shop
Ma Wang brand 81 Model	"	6	87.3 x 114.3	4.105	6.8	104	3000	26.3	1500-2200	Kuei Chou Sheng Automobile Manufacturing Plant
Hung Yen brand	"	V2	82 x 115	1.215		32	2800	8.5		Ch'ung Ch'ing Automobile Parts Manufacturing Plant
Yang Cheng 58-II Model	"	2	96x 90	1.3	6	36	3600	8.6	2000	Kuang Chou Automobile Repairing shop
Fu Chou brand	"	6	87.3 x 108	3.85	6.8	96	3000	26	1500-2200	Fu Chou Automobile Repairing & Assembling shop
Huang Ho brand	Diesel	2	115 x 145	3	17.5	30	2000			Fao Tou Automobile Repairing & Assembling shop
Chang Chiang 26 Model	Gasoline	4	79.37 x 111.12	2.2	7	75	4000	15.8	2000	Ch'ung Ch'ing Chien She Lathe Plant

Trucks (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum torque	Manufacturer
Chang Chiang 37 Model	Gasoline	4	79.37 x 111.12	2.2	6.9-7	75	4000	15.8	2000	Nan Chiang Chen Kuang Machinery Plant
Lo Yang brand	"	4	82 x 100	2.12	6.2	50	3600	12.5	1800	Lo Yang Automobile Manufacturing Plant
Chiao Tung brand 58-1 Model	"	6	90.48 x 114.3	4.413	6.3	103	3000	30.64	800	Shang Hai Shih Truck Repairing shop
Hei Lung Chiang Nr 1	"									Ch'i Ch'i Ha Erh Hung Hsing Automobile Repairing and Assembling shop
Ch'eng Feng brand	"									Shang Hai Shih Communication & Transportation Bureau, Repairing System

Cross Country Vehicles

Hung Ch'i brand Travel type	Gasoline	4	77.8 x 105	1.997	6.7-6.9	52	4000	14	1500	Wu Han Automobile Manufacturing Plant
Hung Ch'i brand	"	4	79.37 x 111.12	2.2	6.48	54	4000	13.5	2000	Fu Chou Tu'ng Yung Machinery Plant
Ch'ang Chiang 46 Model	"	4	79.37 x 111.12	2.2	6.9	75	4000	15.8	2000	Ch'ung Ch'ing Wang Chiang Machine Manufacturing Plant
Ch'ang Chiang 46 Model	"	4	79.37 x 111.12	2.2	6.9	75	4000	15.8	2000	Ch'ung Ch'ing Ch'ang An Machinery Plant

Cross Country Vehicles (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Shang Hai 58 Model	Gasoline	4	82 x 100	2.12	6.2	50	3600	12.5	1800	Shang Hai Automobile Assembling shop
Shang You brand	"	4	79.37 x 111.12	2.2	6.9	75	4000	15	2000	Hsi Pei Automobile Parts Repairing shop of Hsi-an
Huang Ho brand CH-04	"	4	82 x 100	2.12	6.2	52	3600	12.5	2100	Chi Nan Automobile Manufacturing Plant
Yao Chin brand CN-320	"	4	82 x 110	3.48	6.2	70	2800	20.5	1600	Nan Ching Automobile Manufacturing Plant
Buses										
Chung Hua brand Chin Lung BJ 581 Model	Gasoline	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Pei Ching Automobile Manufacturing Plant Branch Plant
Hung Ch'i brand	Diesel	4	110 x 140	5.322	21	85	2200	30	1350	Chi Nan Automobile Manufacturing Plant
Hung Ch'i brand HQ-58 Model	Gasoline	6	88.9 x 114.3	4.27	6.3	93	3000	27.7		Kun Ming Automobile Repairing shop
Hung Ch'i brand Nr 6	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Shen Yang Military District Automobile Repairing shop
Ch'ao Ying brand	"	6	85.73 x 107.95	3.74	6.8					Hsi An Automobile Repairing shop

Buses (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Improved Chieh Fang 57 Model	Gasoline	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Shang Hai Shih Passenger Car Repairing shop
Pei Ching Large Model	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Shou Tu Machinery Plant
Hsi Hu CH 58-7 Model	"	6	87.31 x 107.95	3.89	6.8	115	3800	26.27	1500	Hang Chou Tractor Manufacturing Plant
Fu Chou brand	"	6	87.3 x 108	3.85	6.8	96	3000	26	1500-2200	Fu Chou Automobile Repairing shop
Kung Nung brand Hu K'ie 58-1 Model	"	V ₂	80 x 100	1.005	6.3	30	4000	7		Shang Hai Shih Passenger Car Manufacturing Plant
Wei Hsing brand	"	6	87.31 x 107.95	3.89	6.8	104	3000	26.3	1500-2200	Su Sung Automobile Co. Shang hai plant

Three Wheel Automobile

Kung Nung brand GN 58-II Model	Gasoline	2	90 x 90	1.145	6.3	46	4000	8.4	2800	Han Kou Automobile Repairing shop
Kung Nung brand	"	4	82 x 100	2.12	6.2	50	3600	12.5	1800	Shen Yang Shih Automobile Repairing shop
Ying Hsiung brand 81-I Model	"	V ₂	81 x 100	1.03	6.43	32	4000	7	2000	Nan Ch'ang Automobile Repairing shop
Shang You brand	"	V ₂	90 x 110	1.4	5.7	42	3500	9.7	2600	Chin Chou Shih Transportation Co. Automobile Repairing shop

Three Wheel Automobile (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Huo Chien brand 5871-A Model	Gasoline	2	90 x 115	1.46	6.5	25	2800	8	1400	Wu Han Fire Engine works
Huo Chien brand 5871-B Model	"	2	90 x 115	1.46	6.5	25	2800	8	1400	" "
Huo Chien brand 5871-C Model	"	2	90 x 115	1.46	6.5	25	2800	8	1400	" "
Huo Chien brand 58-51 Model	"	V ₂	90 x 110	1.4	5.7	42	3500	9.7	2600	Chiang Nan Automobile Plant
Sheng Li brand	"	V ₂	90 x 110	1.4	5.7	38.4	3500	9.1	2000	Shen Yang Shih Automobile Assembling shop
Feng Shou brand 51 Model	"	V ₂	90 x 110	1.4	5.7	42	3500	9.7	2600	Ch'ing Tao Automobile Repairing shop
Ma Wang brand 51 Model	"	2	95 x 90	1.276	6	36	3600	8.6	2000	Kuei Chou Sheng Automobile Manufacturing Plant
Shang Hai 58-I Model	"	V ₂	80 x 100	1.005	6.3	30	4000	7	2500	Shang Hai Automobile Assembling shop
Shang Hai 58-II Model	"	2	90 x 90	1.145	6.3	41	4000	8.4	2800	" "
Yang Ch'eng 58-I Model	"	2	96 x 90	1.3	6	36	3600	8.6	2000	Kuang Chou Automobile Repairing shop

Three Wheel Automobile (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displacement (Litr)	Compression ratio	Maximum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Nan Ching brand	Gasoline	V ₂	90 x 110	1.4	5.7	42	3500	9.7	2600	Nan Ching automobile Repairing shop & Yang Chou Automobile Repairing shop of Chiang Su Province
Huang Ho brand	"	V ₂	90 x 110	1.4	5.7	34				Lan Chou Shih Automobile Repairing shop
Chiang Huai brand	"	V ₂	95 x 90	1.276	6	36	3600			Ho Fei Automobile Repairing shop
Chiang Huai brand	"	V ₂	90 x 110	1.4	5.7	42	3200	9.7	2600	Ho Fei Farming Implement Plant
Fu Chou brand	"	V ₂	90 x 110	1.4	5.7	42	3500	9.7	2600	Fu Chou Automobile Repairing shop
Ch'eng Feng brand Hsiang Chiang 40 Model	"					30	4000			Shang Hai Shih Communication Operation Bureau, Hsiang Chiang Machinery Plant

Special Vehicles

Chieh Fang brand CA-40 Model Self-dumping truck	Gasoline	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	First Automobile Manufacturing Plant
Chieh Fang brand Wooden body self-dumping truck	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	" "

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Special Vehicles (Cont)

Brand and Model	Fuel	Nr of Cylinders	Bore and stroke (mm)	Displace- ment (Litr)	Comp- ress- ion ratio	Maxi- mum power (Hp)	Nr of RPM at maximum power	Maximum torque (kg-m)	Nr of RPM to produce maximum Torque	Manufacturer
Chieh Fang brand 41 Model self- dumping truck	Gasoline	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Pei Ching Automobile Manufacturing Plant, Branch Plant
Chieh Fang brand 40 Model self- dumping truck	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	" "
Chieh Fang brand 58-5 Model self- dumping truck	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Shen Yang shih Autom- obile Assembling shop
Chieh Fang brand sprinkler	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	First Automobile Manufacturing Plant
Chieh Fang brand CA-10F Coal-gas truck	"	6	101.6 x 114.3	5.55	6	95	2800	31		" "
Chieh Fang brand 51 Model All-pur- pose Fork Lift truck	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Pei Ching Automobile Manufacturing Plant Branch Plant
All-purpose Fork Lift truck	"									Ta Lien Machinery Works
Crane truck	"	6	101.6 x 114.3	5.55	6	95	2800	31	1100-1200	Pei Ching Machinery Works
Wooden Small Car	"							6		Old city & village iron & timber shops of Kao T'ang hsien, Shan Tung Province

STAT



1. Sedans



Hung Ch'i Brand High Class Sedan

Maker	First Automobile Manufacturing Plant
Year	1958
Model	Hung Ch'i (SFC 4767/8501) brand
Engine position	Front
Car type	High class sedan
Body type	Sedan type with girder frame, curved front and rear wind shields plus shock absorbing, sound proofing and heat insulating devices at various parts.

General Data

Vehicle weight	2300 kg
Seats	6
Outside Dimensions: length	5700 mm
width	2000 mm
height (loaded)	1610 mm
Distance between axles	3380 mm
Distance between wheels	1550 mm

Operational Data

Maximum speed	185 km/hr
Economical speed	40 - 70 km/hr

Concise Specifications of the Engine

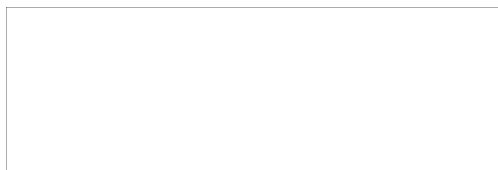
Maker	First Automobile Manufacturing Plant
Type	Four stroke, carburettor type
Nr of Cylinders and arrangement	V-8
Displacement	5.3 liters
Compression ratio	7.5:litre
Maximum power	200 Hp
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	43 kg-m/2000 rpm
Valve position	Overhead

Concise Specifications of the Chassis

Transmission	Hydraulic automatic, with 3 Speeds - 2 forward and 1 reverse
Torque converter coefficient	2.6
gear ratio:	
low speed gear	1.72:1
high speed gear	1.00:1
reverse gear	2.39:1

According to customer's demand, conventional type transmission can also be installed:

Clutch	Single disc dry plate type
Transmission: Type;	3 forward gears with synchronizer; one reverse gear
speed ratio:	
First gear	2.43:1
Second gear	1.53:1
Third gear	1:1
Reverse gear	3.16:1

**Drive shaft:**

Type: Open type

Amount: One

Rear End:

Drive line: Single grade speed reduction type
(double curved gear)

speed reduction ratio: 3.54:1

axle semi-floating type

Front End

Nr front axle independent suspension type

Tire type and size

7.00-15 (low pressure tire is temporarily used, later, tubeless tire will be used)

Suspension :

front End Independent suspension, coil springs of variable length double-arm type with tubular-type shock absorbers and stabilizing bar.

rear end unsymmetrical semi-elliptical leaf spring with tubular-type shock absorber

Steering mechanism

Hydraulic type

Brake system:

foot brake Hydraulic type, vacuum actuating device

hand brake Central mechanical type

Concise Specifications of the Electrical System

Voltage of the whole system 12 volts

Grounding pole Positive pole

Radio receiver Medium and short waves (seven wave bands) has automatic station finder, it can be tuned and controlled from both front and rear seats, it has automatic antenna.



Tung Feng Brand CA-71 Model Middle Class Sedan

Maker	First Automobile Manufacturing Plant
Year	May 1958
Brand and model	Tung Feng (STC 2639/7364) brand CA-71
Engine position	Front
Class and type	Middle class sedan
Body type	Integral frame type, has curved and hardened wind shields in front and rear, heating and ventilating equipment and shock absorbing, sound proofing and heat insulating devices
Nr of doors	4

General Data

Vehicle weight (empty)	1230 kg on:
front end	673 kg (54.6%)
rear end	557 kg (45.4%)
Nr of seats	6
Weight (loaded)	1650 kg on:
front end	819 kg (49.8%)
rear end	831 kg (50.2%)

Outside Dimensions:

length	4560 mm
width	1755 mm
height	1530 mm

Distance between axles	2700 mm
Distance between wheels:	
front	1370 mm
rear	1350 mm
Minimum ground clearances:	
front end	No less than 200 mm
rear end	No less than 190 mm
Front approaching angle	31°
Rear clearing angle	16°

Operational Data

Maximum speed	128 km/hr
Economical speed	30 - 50 km/hr
Minimum turning radius	front outer wheel 5.7 meters
Maximum gradeability	
first gear	41%
high gear	7.7%
Fuel consumption (loaded)	9.7 liters/100 km
Braking distance	On dry highway when the speed is 50 km/hr, no more than 16 meters.

Concise Specifications of the Engine

Maker	First Automobile Manufacturing Plant
Type	Four-stroke, carburettor type
Nr of cylinders and arrangement	Four-cylinder in straight row
Bore and stroke	85 x 85 mm
Displacement	1.93 liter
Compression ratio	7:1
Maximum power	70 horse-powers
Nr of crank shaft revolutions at maximum power	4400 rpm
Maximum torque	13.5 kg-m/2500 rpm
Valve position	Overhead

Fuel system:

fuel filter, type & Nr	filtering screen type, FA-290 model
fuel pump, type & Nr	diaphragm type, FA-263 model
carburetor type & Nr	dual inlet barrel separate moving type, FA-218 model
air cleaner	inertia contact dry type

Lubrication system:

type	Pressure and splash combined
oil pump	gear type
oil filter type & connection method:	cartridge type, coarse and fine combined

Cooling system:

	forced circulation water-cool type
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Concise Specification of the Chassis**Clutch type**

	single disc dry plate type
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Transmission:

type	4 forward gears all have synchronizer
gear lever position	on the steering column
speed ratio:	first 4.2:1, second 2.48:1 third 1.54:1, fourth 1:1 reverse 3.92:1

Drive shaft:

type	open type
amount	1

Universal joint, type & amount

	rigid, roller bearing type, 2
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Rear End drive line

	double curve line gear, single level speed reduction type
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speed reduction ratio	4.55:1
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axle shaft	semi-floating type
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rear end housing	made with a single piece of steel plate
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Front end:

	no front axle, independent suspension type
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Tire type and size:

	tubeless type with unequal size treads, 6.40 - 15
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Suspension:

front end	Coil spring single arm type with two-way tubular type shock absorbers
rear End	unsymmetrical type semielliptic leaf spring plus tubular shock absorber

Steering device:

type	worm column and roller
speed ratio	18.2:1

Brake system:

foot brake	hydraulic type double-direction automatic actuating type
hand brake	mechanical, controls the rear brake shoes by means of a steel cable

Concise Specifications of the Electrical System

Voltage of the whole system	12 volts
Capacity of battery	6Q-54, 54 ampere-hour
Grounding pole	positive pole
Generator:	
type	F-10 model
maximum output	250 watts
regulating method and type of regulator	T-10 model, triple connected double-grade type regulator

Starter:

model and Nr	Q-10 model, electromagnetic free fitting type
voltage	12 volts
power	0.8 horsepower

Distributor, type & Nr

FE-10 model with vacuum and centrifugal type automatic pre-igniting regulator, regulating knob inside the car.

Spark plugs:

model & Nr	14-14-1 model
diameter at thread end	14 mm

Radio receiver & electric

clock	may be installed if customer desires
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Volume

Engine's lubrication system	1.9 liter
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Ching Kang Shan Brand Sedan

Maker	Pei Ching (STC 0554/0079) Automobile Manufacturing Plant
Year	June 1958
Brand & model	Ching Kang Shan (STC 2529/1511/1472) brand
Engine position	Rear
Type of car	Sedan
Nr of axles and Nr of driving axles	2 x 1
Type of body	Five-seat sedan
Nr of doors	2

General Data

Vehicle weight	750 kg
Load capacity (on highway)	380 kg
Capacity	5 persons
Nr of seat	5
Outside Dimensions:	
length	3936 mm
width	1540 mm
height	1467 mm

Distance between axles	2400 mm
Distances between wheels:	
front	1290 mm
rear	1250 mm
Minimum ground clearance:	172 mm

Operational Data

Maximum speed	110 km/hr
Economical speed	55 km/hr
Minimum turning radius	5.2 meters
Maximum gradeability	20.5°
Fuel consumption (loaded)	4.5-7.5 liters/100 km
Cruising range (one tank of gas)	400 km
Braking distance	on dry road when speed is 30 km/hr, less than 5 meters

Concise Specifications of the Engine

Maker	Pei Ching Automobile Manufacturing Plant
Model	CB1
Type	Four-stroke, carburettor type
Nr of cylinders and arrangement	4-cylinder in level pairs
Bore and stroke	77 x 64 mm
Displacement	1.192 liter
Compression ratio	6.6:1
Maximum power:	
without governor	36 horsepower
Nr of crank shaft revolutions at maximum power	3700 rpm
Maximum torque	8 kg-meter/2200 rpm
Rate of minimum fuel consumption	220 g/effective Hp-hr
Cylinder firing order	1-4-3-2
Valve position	Overhead
Fuel system:	
fuel filter, model	FA 284

		diaphragm type, FA 264
pump, type & model		
Carburettor, type & model		down-draft type, FA 214 with mechanical functioned accelerating pump and vacuum fuel saving device.
air filter, model		FA 274
Lubrication system:		
type		pressure and splashing combined
oil pump		gear type
Cooling system		air-cooled with blower
Concise Specifications of the Chassis		
Clutch		single disc dry plate type
Transmission		
model		three-rail type
gear lever position		beneath steering wheel
speed ratio:		
first		3.6:1
second		1.88:1
third		1.23:1
fourth		0.82:1
reverse		4.68:1
Rear end: drive line:		
type		single level, speed reduction type
speed reduction ratio		4.43:1
differential		conical straight-toothed type
axle		swinging type
rear end housing		one piece includes transmission
Front end:		
type		no front axle independent suspension type
Wheel:		
model and size		4J x 15
tire size		5.60 - 15
Chassis, type		central girder type

Suspension front end

two leaf springs overlapped type, torsion bar with hydraulic tubular type shock absorber

rear end

two round torsion bars with hydraulic tubular type shock absorber

Steering apparatus, type

Recirculating ball-type steering gear

Braking system:

foot brake

hydraulic type

hand brake

on rear wheel, mechanical action

Concise Specifications of the Electrical System

Voltage of the whole system:

6 volts

Battery capacity

66 ampere-hour

Generator:

maximum output

160 watts/2500 revolutions

Starter:

voltage

6 volts

power

0.5 horsepower

Distributor

with vacuum and centrifugal regulating pre-firing device.

Volumes

Engine crank case

2.5 liters

Carburettor's air cleaner

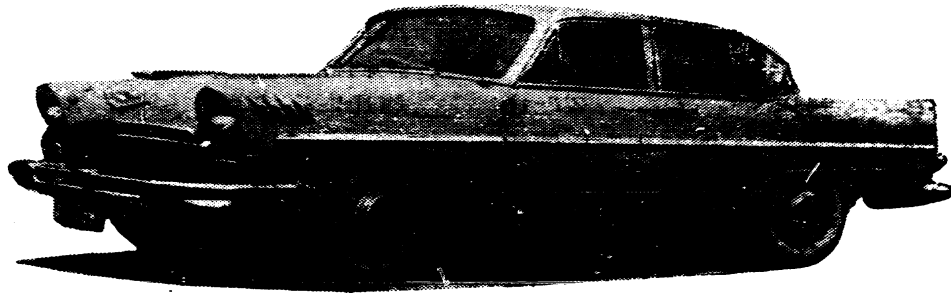
0.25 liter

Fuel tank

40 liters

Rear end and transmission

2 liters



Ho P'ing Brand 1 - Model Middle Class Sedan

Maker	T'ien Ching Shih (STC 1131/3160/1579) Automobile Repair Shop
Year	June 1957
Brand & Model	Ho Ping (STC 0735/1627) brand 1 Model)
Engine position	front
Type of car	middle class sedan
Nr of axles & Nr of driving axles :	2 x 1
Body type	closed type, streamlined
Nr of doors	4

General Data

Vehicle weight	1250 kg, on:
front end	637 kg (51%)
rear end	613 kg (49%)
Capacity	6 persons
Nr of seats	6
Gross weight	1600 kg, on:
front end	768 kg (48%)
rear end	832 kg (52%)
Outside Dimensions:	
length	4600 mm
width	1730 mm
height	1525 mm

Distance between axles	2530 mm
Distance between wheels:	
front	1326 mm
rear	1370 mm
Minimum ground clearance:	200 mm

Operational Data

Maximum speed	110 km/hr
Minimum Turning radius	5.5 meters
Maximum gradeability	34%
Fuel consumption (loaded)	7.8 liters/100 km
Travel distance (one fuel tank)	640 km

Concise Specifications of the Engine

Maker	T'ien Ching Shih Automobile Repair Shop
Model	ZT-10
Type	4-stroke, carburettor type
Nr of cylinders & arrangement	4 cylinders in straight row
Bore and stroke	77 x 78 mm
Displacement	1.453 liter
Compression ratio	7.2:1
Maximum power	55 horsepower
Nr of crank shaft revolutions at maximum power	4400 rpm
Maximum torque	10.5 kg-meter/2600 rpm
Cylinders firing order	1-2-4-3
Valve positon	Overhead
Fuel system:	
fuel filter	filter wick type
fuel pump, type	two-stage series type
carburettor, type	down-draft type
air cleaner, type	wet type
Lubrication system:	
type	forced circulation
pump	gear type

	filter connection	parallel type
Cooling system:		forced circulation water-cooled type
Concise Specification of the Chassis		
Clutch		single disc dry plate type suspended pedal, fluid coupling
Transmission:		
type		with synchronizer
gear shift lever position		under steering wheel
speed ratio:		
first		3.647:1
second		1.807:1
third		1:1
reverse		4.861:1
Drive shaft:		
type		open type
amount		1
universal joint, type and amount		ball bearing type, 2
Rear end:		
drive line		double-curve single speed reduction type
speed reduction ratio		5.286:1
differential-type		cone-shaped, straight toothed
axle		semi-floating type
rear end housing		integral frame type
Front end:		
type		no front axle, independent suspension
Tire size		6.40-15, 4-ply
Suspension:		
front end		independent suspension, traverse parallel bar type, coil spring with lateral stabilizing bar and hydraulic single tubular shock absorbers.
Rear end		vertical semi-elliptic leaf springs with single tubular shock absorbers.

Steering:

type	spherical screw rod and roller type
speed ratio	23:1

Brake system:

foot brake	hydraulic
hand brake	mechanical-two rear wheels

Concise Specifications of the Electric System

Voltage	12 volts
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Battery:

capacity	55 ampere hour
grounding pole	positive

Maximum output of Generator	180 watts
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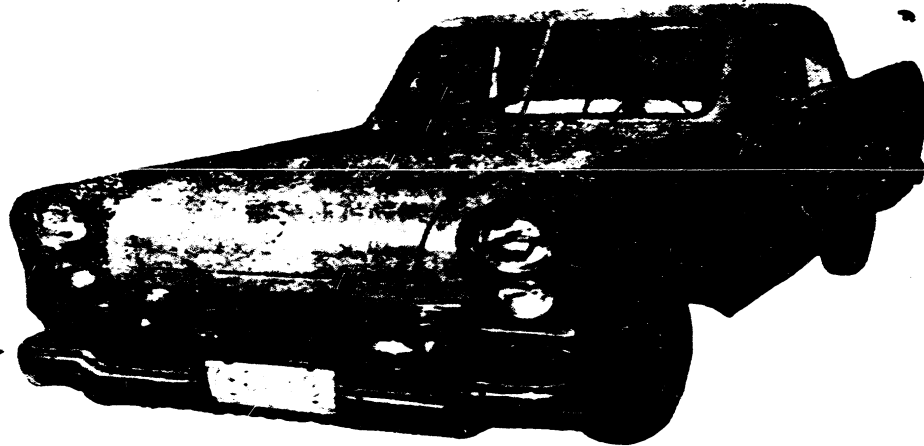
Starter:

voltage	12 volts
power	0.8 horsepower

Spark plug	14 mm
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Volume

Engine crank case	3.5 liters
Cooling water	8.1 liters
Fuel tank	50 liters



Hsien Chin Brand 71 Model Sedan

Maker	Ch'ung Ch'ing (2934N/10635E) Local State-operated Hsin Chien (STC 2450/1696) Machinery Plant
Year	June 1958
Model	Hsien Chin (STC 0341/6651) brand 71
Engine position	front
Type of car	Sedan
Nr of axles & Nr of driving axles	2 x 1
Type of body	sedan
Nr of doors	2

General Data

Vehicle weight	1400 kg, on:
front end	560 kg (40%)
rear end	840 kg (60%)
Maximum load	5 persons
Nr of seats	5
Gross weight	1800 kg, on:

front end	650 kg (31%)
rear end	1150 kg (69%)

Outside Dimensions:

length	5000 mm
width	1750 mm
height	1600 mm

Inside measurements:

length	1500 mm
width	1300 mm
height	950 mm

Distance between axles	2800 mm
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Distances between wheels:

front	1400 mm
rear	1420 mm

Minimum ground clearances:

front end	230 mm
rear end	230 mm

Front approaching angle	18°
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Rear clearing angle	13°
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Operational Data

Maximum speed	120 km/hr
Minimum turning radius	5.6 meters
Fuel consumption (loaded)	20 liters/100 km
Cruising range (one fuel tank)	300 km
Braking distance	on dry road when speed is 20 km/hr, no more than 8.2 meters

Concise Specification of the Engine

Maker	Hsin Chien Machinery Plant
Model	71
Type	4-stroke, carburetor type
Nr of cylinders and arrangement	six-cylinders in straight row
Bore and stroke	87.31 x 107.95 mm

Displacement	3.89 liters
Compression ratio	6.8:1
Maximum power	without governor 85 Hp
Nr of crank shaft revolutions at maximum power	without governor 3600 rpm
Maximum torque	25.6 kg-meter/1200 rpm
Minimum fuel consumption rate	280 g/effective Hp-hr
Cylinders firing order	1-5-3-6-2-4
Valve position	valves-in-the-side
Fuel system:	
fuel filter	blade type, F 333-1
fuel pump	diaphragm type 1538310
carburetor	down-draft type
Lubrication system:	
type	forced circulation
oil pump	gear type
oil filter	felt filter wick type
Cooling system	forced circulation water cooled type

Concise Specification of the Chassis

Clutch	single disc dry plate type
Transmission	
type	two rail type
gear shift lever position	under steering wheel
speed ratio:	
first gear	2.57:1
second gear	1.549:1
third gear	1:1
reverse gear	3.49:1
Drive shaft:	
type	open type
amount	1
universal joint, type & amount	roller bearing type, 2

Rear end:

drive line	single grade speed reduction type
speed reduction ratio	4.818:1
differential	cone-shaped straight toothed type
axle	full floating type
rear end housing	integral type

Front end:

type	no front axle independent suspension type
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Wheel:

type	steel drum type
size	16 x 4.5
Tire size	6.00 - 16

Frame type:	steel-plate pressed channel type side members and crossmember
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Suspension

front end	independent suspension, coil spring
rear end	semi-elliptic leaf spring

Steering:

type	worm colum & double-tie rod & knuckle
speed ratio	10-12-14:1

Brake system:

foot brake	hydraulic type
hand brake	disc type mechanically operated

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
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Battery:

capacity	152 ampere-hour
grounding	negative pole

Generator:

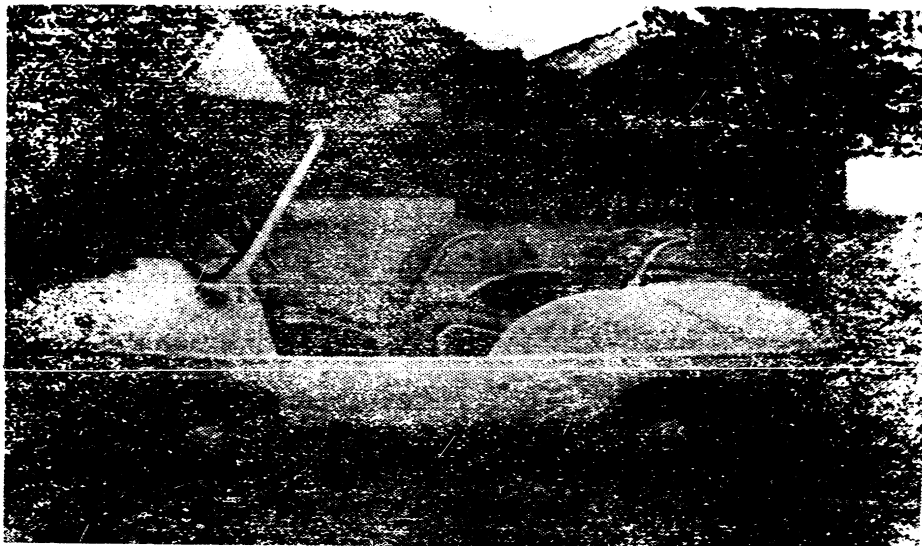
Model	GEG-5002D
Maximum output	40 amperes
regulating method & regulator's model	triple-set type, VRY-4203A

Starter:

model	MAX-4054
voltage	6 volts
power	2.5 horsepower
Distributor model	IGC-4202A
Ignition coil model	CE 4013
Spark plug:	
model	A5
diameter of thread end	14 mm

Volumes

Engine crank case	4.8 liters
Carburetor's air filter	0.5 liter
Cooling system	19.5 liters
Fuel tank	60 liters
Transmission	1.5 liter
Rear end	2 liters



Hai Yen Brand 250 Small Sedan

Maker	Small Automobile Plant & Ferry-Boat Repair Shop of the Shanghai Public Utilities Administrative Bureau
Year	Aug 1958
Brand & Model	Hai Yen (STC 3189/3601)250
Engine position	front
Type	small sedan
Nr of axles and driving axles	2 x 1
Body type	convertible, semi-soft top
Nr of doors	none

General Data

Vehicle weight (empty)	240 kg
Loading weight (on road)	210 kg
Maximum load	3 persons
Nr of seats	3
Gross weight	450 kg, on:
front end	216 kg (46%)
rear end	234 kg (54%)

Dimensions:

length	2500 mm
width	1250 mm
height	1215 mm
Distance between axles	1250 mm
Distances between wheels:	
front	1040 mm
rear	1040 mm
Minimum ground clearance:	140 mm
Front approaching angle	34°
Rear clearing angle	29.5°

Operational Data

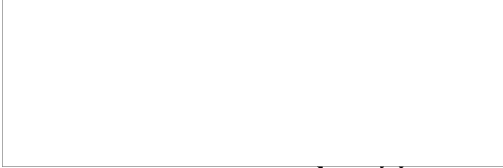
Maximum speed	80 km/hr
Maximum gradeability	26%
Fuel consumption (loaded)	3-4 liters/100 km

Concise Specifications of the Engine

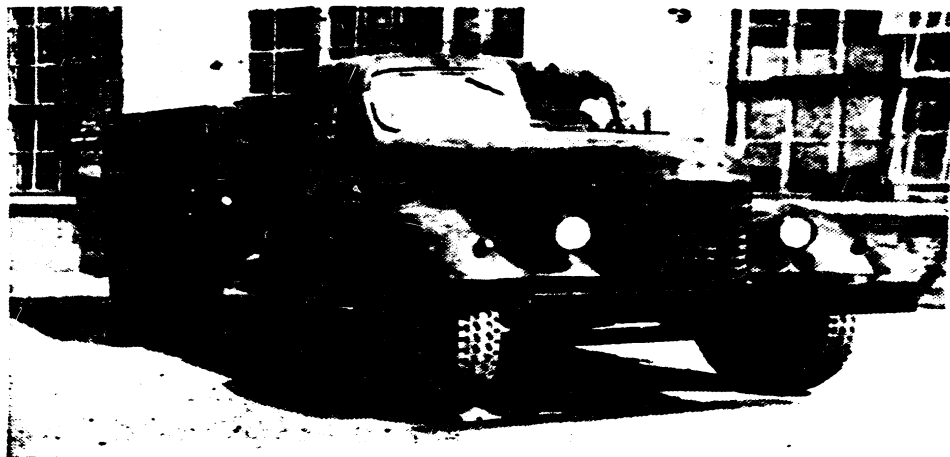
Model	Chang Chiang (STC 7022/3068) 250
Type	Air-cooled, two-stroke
Nr of cylinders & arrangement	single cylinder in verticle position
Bore and stroke	75 x 65 mm
Displacement	248.5 cm ³
Compression ratio	6.25:1
Maximum power	12 horsepower
Nr of crank shaft revolutions at maximum power	4250 rpm
Maximum torque	2 kg-meter/3500 rpm
Fuel system: carburetor, model	JIKOV
Lubrication method:	lubrication oil and fuel oil are mixed before they enter the cylinder

Concise Specifications of the Chassis

Clutch	multi-disc type
Transmission	
type	four gears, no synchronizer



speed ratio	
first	3.165:1
second	1.77:1
third	1.262:1
reverse	none
Rear end:	
drive line	chain driven
speed reduction ratio	1:1.634 (front drive 1:2.05)
Wheel:	
type	cast aluminum set type rim
Tire size	300 x 125
Suspension	
front end	parallel swing arm, independent suspension, rubber spring
rear end	swing axle type, independent suspension, rubber spring
Steering	lever type
Brake system	mechanical type
Concise Specifications of the Electric System	
Voltage of the whole system	6 volts
	Volume
Fuel tank	9 liters




Chieh Fang Brand CA-10 Truck

Maker	First Automobile Manufacturing Plant
Year	1956
Brand & Model	Chieh Fang (STC 6043/2397) brand CA-10
Engine position	front
Type	middle class truck
Nr of axles and Nr of driving axles:	2 x 1
Body type	3 collapsible sides
Nr of doors	2

General Data

Vehicle weight	3900 kg, on:
front end	1800 kg (46.2%)
rear end	2100 kg (53.8%)
Loading weight	4000 kg on highway
Gross weight	8125 kg, on:
front end	2128 kg (26.2%)
rear end	6720 mm
Dimensions:	
length	6720 mm
width	2470 mm
height	2180 mm



Inside measurements:

length	3540 mm
width	2250 mm
height	584 mm
Distance between axles	4000 mm
Distance between wheels:	
front	1700 mm
rear	1740 mm
Minimum ground clearances:	
front end	325 mm
rear end	265 mm
Front approaching angle	40°
Rear clearing angle	24°

Operational Data

Maximum speed	with governor, 65 km/hr
Minimum turning radius	8.5 meters
Maximum gradeability (loaded)	17°
Fuel consumption (loaded)	29 liters/100 km
Cruising range (one full tank)	500 km
Braking distance	on dry road when speed is 30 km/hr less than 8 meters

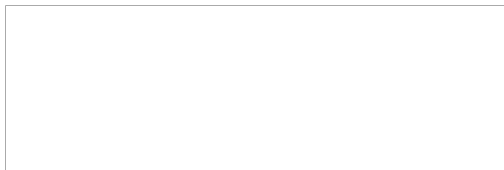
Concise Specification of the Engine

Maker	First Automobile Manufacturing Plant
Type	Four-stroke, carburetor type
Nr of cylinder and arrangement	Six-cylinder in straight line
Bore and stroke	101.6 x 114.3 mm
Displacement	5.55 liters
Compression ratio	6:1
Maximum power:	
without governor	95 horsepower
with governor	90 horsepower
Nr of crank shaft revolutions at maximum power:	
without governor	2800 rpm
with governor	2400 rpm
Maximum torque	31 kg-meter/1100-1200 rpm
Minimum fuel consumption rate	255 g/effective Hp-Hr

Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side
Fuel system:	
fuel filter	plate type
fuel pump, type and model	diaphragm type, B-6
carburetor, type and model	variable inlet down-draft type, K-80 or FA211 made by Pei Ching (STC 0554/0079) Automobile Manufacturing Plant
air cleaner, type	combined type of filter screen and oil bath
Lubrication system:	
type	pressure and splashing combined type
oil pump type	gear type
oil filter, type and its connection method:	coarse filters in series, fine filters in parallel
Cooling system:	forced circulation watercooled type

Concise Specifications of the Chassis

Clutch	double-plate dry type
Transmission:	
type	triple-rail type
gear shift lever position	on transmission cover
speed ratio:	
first	6.24:1
second	3.32:1
third	1.90:1
fourth	1.00:1
fifth	0.87:1
reverse	6.70:1
Drive shaft:	
type	open
amount	2
universal joint, type & amount	roller bearing type, 3

**Rear end:**drive line type & speed
reduction ratio:

double-gradc reduction type, 7.63:1

differential

conical straight toothed type

axle

full floating type

rear end housing

integral type

Front end

I beam

Wheel:

type

steel drum type

size

20 x 8

Tire size

9.00-20

Frame typepunched double-grooved side members and
five crossmembers**Suspension:**

front end

vertical semi-elliptic leaf spring, with
hydraulic ~~double-~~function type shock
absorber

rear end

vertical semi-elliptic leaf spring, with
auxiliary spring**Steering:**

type

spherical worm rod & roller type

speed ratio

23.5:1

Brake system:

foot brake

shoe plate type, air pressure actuator

hand brake

disc type, in the transmission system,
mechanical actuator**Concise Specifications of the Electric System****Voltage of the whole system**

12 volts

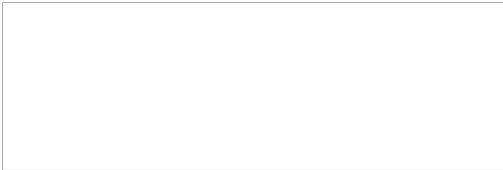
Battery:

capacity

84 ampere-hour

grounding pole

positive pole


Generator:

model	G-15B
maximum output	18 amperes
regulating method & regulator model	three-set type regulator, PP-12B

Starter:

model	ST-15B
voltage	12 volts
power	1.8 horsepower

Distributor model:	P-21, with centrifugal and vacuum pre-ignition regulator
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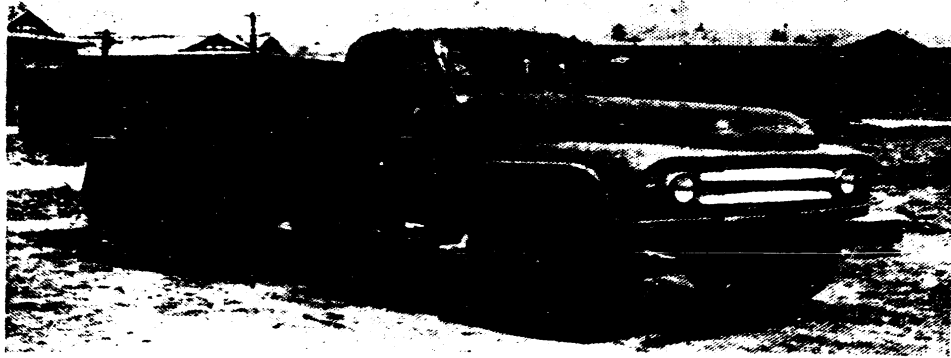
Ignition coil model	B-21B
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Spark plug:

model	HA-11-16B-Y
diameter at thread end	14 mm

Volumes

Engine crank case	8.5 liters
Carburetor's air filter	0.7 liter
Cooling system	21 liters
Fuel tank	150 liters
Transmission	6 liters
Rear end	4.5 liters

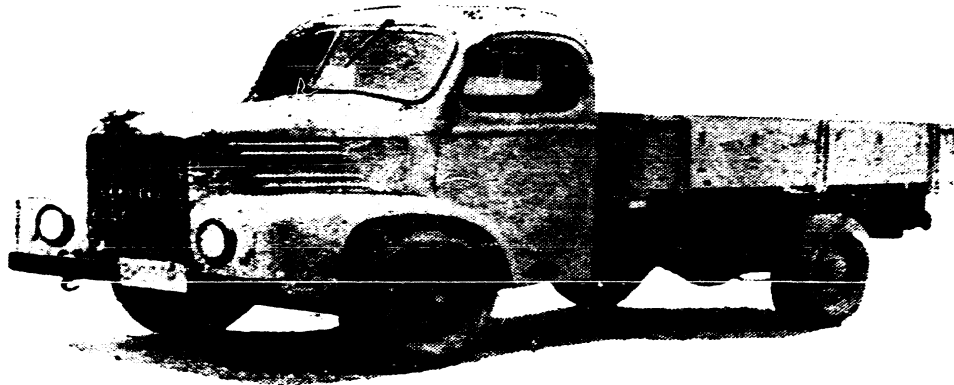


Chieh Fang Brand CA-11B Truck

Maker	First Automobile Manufacturing Plant
Year	1958
Brand & model	Chieh Fang brand CA-11B
Engine position	front
Type	middle class truck
Nr of axles & Nr of driving axles	2 x 1

Special points:

This truck is an improved Chieh Fang brand CA-10 model truck, based upon the concrete conditions in our country and the operational experiences of CA-10 model for the past two years. Evident improvements have been made on its power and economical factors. The four-ton load capacity remained unchanged but it reduced 500 kilograms body weight and increased 0.49 cubic meters loading volume. Driver's cabin, radiator and some other constructions were also improved.



Yueh Chin Brand CN-120 Model Truck

Maker	Nan Ching (STC 0589/0079) Automobile Manufacturing Plant
Year	1958
Brand & model	Yueh Chin (STC 6460/6651) brand CN-120
Engine position	front
Type of vehicle	light truck
Nr of axles & Nr of driving axles	2 x 1
Body type	three side fence flaps
Nr of doors	2

General Data

Vehicle weight	1777 kg, on:
front	1009 kg (56.8%)
rear end	768 kg (43.2%)
Load capacity	1500 kg on highway 1000 kg on dust road
Gross weight	3277 kg, on:
front end	1190 kg (36.4%)
rear end	2087 kg (63.6%)

Dimensions:

length	4850 mm
width	1800 mm
height	1910 mm

Inside measurements:

length	2660 mm
width	1600 mm
height	400 mm

Distance between axles	2900 mm
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Distances between wheels:

front	1470 mm
rear	1470 mm

Minimum ground clearances:

front end	250 mm
rear end	230 mm

Front approaching angle	31°
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Rear clearing angle	26°
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Operational Data

Maximum speed	77 km/hr
Minimum turning radius	6.5 meters
Maximum gradeability	30%
Fuel consumption	3.5-4.15 liters/100 ton-km
Braking distance	less than 8 meters when the speed is 30 km/hr

Concise Specification of the Engine

Maker	Nan Ching Automobile Manufacturing Plant
Model	CN-050
Type	four-stroke, carburetor type
Nr of cylinder & arrangement	four-cylinder in straight line
Bore and stroke	82 x 100 mm
Displacement	2.12 liters

Compression ratio	6.2:1
Maximum power	52 horsepower
Nr of crank shaft revolution at maximum power	3600 rpm
Maximum torque	12.5 kg-meter/1800 rpm
Minimum fuel consumption rate:	240 g/effective Hp-hr
Cylinders firing order	1-2-4-3
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
Lubrications system:	
type	pressure and splashing combined
oil pump	gear type
Cooling system	forced circulation watercooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission	
type	hand-operated separate type with inertial type synchronizer
gear shift lever position	on transmission cover
speed ratio:	
first	6.198:1
second	3.125:1
third	1.659:1
fourth	1.00:1
reverse	7.575:1
Drive shaft:	
type	open type
amount	2
universal joint, type & amount	roller bearing, 3

Rear end:drive line type & speed
reduction ratiosingle grade speed reduction type,
6.33:1

axle

full floating type

rear end housing

integral type

Front end

I-beam

Wheel:

type

steel drum type

size

16 x 5.50 F

Tire type & size

tubeless, 7.50-16

Suspension:

front end

vertical semi-elliptic leaf spring

rear end

vertical semi-elliptic leaf spring
with auxiliary spring attached**Steering:**

type

worm rod & roller type

speed ratio

20.5:1

Brake system:

foot brake

hydraulic type

Concise Specifications of the Electric System**Voltage of the whole system**

12 volts

Battery:

capacity

54 ampere-hour

grounding pole

positive pole

Generator:

model

G-20

Maximum output

18 amperes

regulating method & regulator
type

triple-set type regulator

Starter:

model

CT-20

voltage

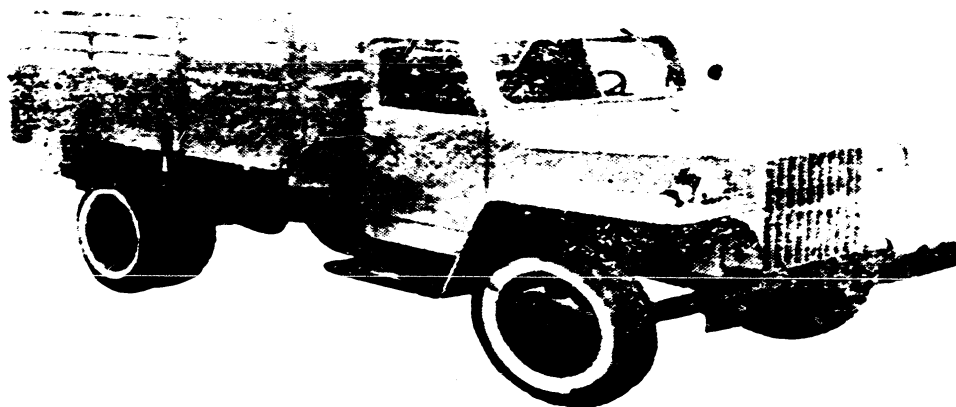
12 volts



power	1.8 horsepower
Distributor, model:	P-23
Spark plug:	
model	HM 12/12AY
diameter at thread end	18 mm

Volumes

Engine crank case	6 liters
Cooling system	10.5 liters
Fuel tank	55 liter
Transmission	2.9 liters
Rear end	3.5 liters
Brake fluid	0.35 liter




Yueh Chin Brand CN-130 Model Truck

Maker	Nan Ching Automobile Manufacturing Plant
Year	1958
Brand & model	Yao Chin brand CN-130
Engine position	front
Type	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	three side fence flaps
Nr of doors	2

General Data

Vehicle weight	2710 kg, on:
front end	1300 kg (48%)
rear end	1410 kg (52%)
Load capacity	
on highway	2500 kg
on dirt road	2000 kg
Gross weight	5350 kg, on:
front end	1600 kg (30%)
rear end	3750 kg (70%)



Dimensions:

length	5514 mm
width	2200 mm
height	2130 mm

Inside measurements:

length	2940 mm
width	1990 mm
height	850 mm

Distance between axles	3300 mm
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Distances between wheels:

front wheels	1585 mm
rear wheels	1650 mm

Minimum ground clearance	245 mm
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Front approaching angle	40°
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Rear clearing angle	32°
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Operational Data

Maximum speed	70 km/hr
Minimum turning radius	7.6 meters
Maximum gradeability	30%
Fuel consumption (loaded)	2.76-3.8 liters/100 ton-km
Braking distance	less than 10 meters, when the speed is 30 km/hr

Concise Specifications of the Engine

Maker	Nan Ching Automobile Manufacturing Plant
Model	CN-070
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	six-cylinder in straight line
Bore and stroke	82 x 110 mm
Displacement	3.48 liters
Compression ratio	6.2:1

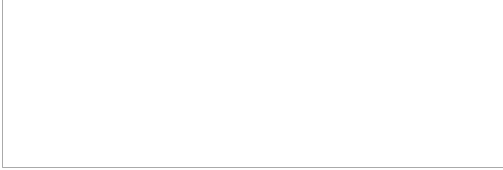


Maximum power:

without governor	79.5 horsepower
with governor	70 horsepower
Nr of crank shaft revolutions at maximum power:	
without governor	3300 rpm
with governor	2800 rpm
Maximum torque	20.5 kg meter/1600 rpm
Minimum fuel consumption rate	245 g/effective Hp-hr
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
Lubrication system:	pressure and splashing combined type, also installed with oil cooler
Cooling system	forced circulation watercooled type

Concise Specification of the Chassis

Clutch	single disc dry plate type
Transmission:	three rail type
gear shift lever position	on transmission cover
speed ratio:	
first	6.4:1
second	3.09:1
third	1.69:1
fourth	1.00:1
reverse	7.82:1
Drive shaft:	
type	open type
amount	2
universal joint, type & amount	roller bearing type, 3

**Rear end:**

drive line	single grade, speed reduction type
speed reduction ratio	6.67:1
axle	full floating type
rear end housing	separated type

Front end

I-beam

Wheel:

type	steel drum type
size	20 x 7

Tire size

7.50 - 20

Suspension:

front end	vertical semi-elliptical leaf spring, with two-way hydraulic shock absorber
rear end	vertical semi-elliptical leaf spring with auxiliary spring

Steering:

type	spherical worm rod & roller type
speed ratio	20.5:1

Brake system:

foot brake	hydraulic type
hand brake	plate type

Concise Specifications of the Electric System

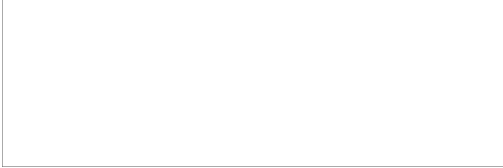
Voltage of the whole system:	12 volts
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Battery:

capacity	30 ampere-hour
grounding pole	positive pole

Generator:

model	G-21
maximum output	18 amperes
regulating method	three-set type regulator



Starter:

model	CT-S
voltage	12 volts
power	1.3 horsepowers

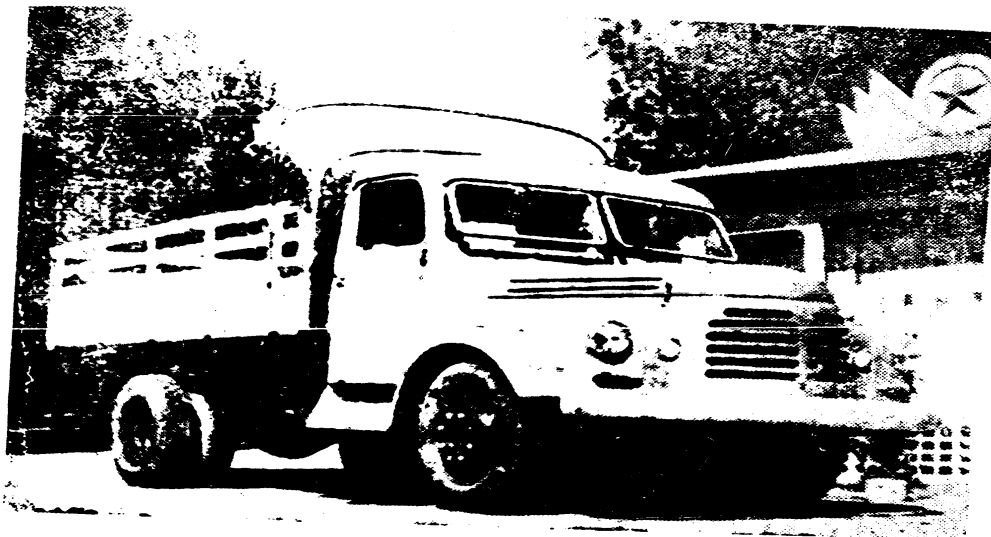
Distributor model P-20

Spark plug:

model	HM 12/12 AY
diameter at thread end	18 mm

Volumes

Engine crank case	7 liters
Cooling system	13.5 liters
Transmission	3.3 liters
Rear end	2.8 liters



Hung Ch'i Brand CH-12C Truck

Maker	Chi Nan (STC 3444/0589) Automobile Manufacturing Plant
Year	1958
Brand & model	Hung Ch'i (STC 4767/2475) brand CH-12C
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	steel and wood
Nr of doors	2

General Data

Vehicle weight	4220 kilograms, on:
front end	2180 kg (51.2%)
rear end	2040 kg (49.8%)
Load capacity	on highway 4000 kg
Gross weight	6300 kg
Dimensions:	
length	6700 mm
width	2260 mm
height	2740 mm

Inside measurements:

length	4000 mm
width	2160 mm
height	900 mm
Distance between axles:	3710 mm
Distances between wheels:	
front wheels	1740 mm
rear wheels	1650 mm
Minimum ground clearances:	
front end	360 mm
rear end	255 mm
Front approaching angle	36°
Rear clearing angle	22°30'

Operational Data

Maximum speed	74.5 km/hr
Economical speed	50 km/hr
Minimum turning radius	8.4 meters
Maximum gradeability	30%
Fuel consumption (loaded)	16-20 liters/100 km
Cruising range (one full tank)	200-250 km

Concise Specifications of the Engine

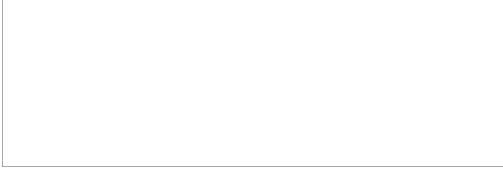
Maker	Chi Nan (STC 3444/0589) Automobile Repair Shop of the Communication Administration of Shangtung Province
Model	Hung Chi (STC 4767/2475) brand
Type	four-stroke, fuel injection type
Nr of cylinders & arrangement:	four-cylinder in straight line
Bore and stroke	110 x 140 mm
Displacement	5.322 liters
Compression ratio	21:1
Maximum power	with speed limiter 85 Hp
Nr of crank shaft revolutions at maximum power	with speed limiter 2200 rpm

Maximum torque	30 kg-meter/1350 rpm
Cylinder firing order	1-3-4-2 (Nr 1 close to flywheel)
Valve position	overhead
Combustion chamber	pre-ignition chamber type
Fuel spraying pump, model	PAL PV ₄ BgL525E (temporarily used)
Fuel spraying nozzle, model	PAL DCE OS 610 (temporarily used)
Air cleaner, type	oil bath type
Lubrication system:	
type	pressure circulation
oil pump	gear type
Cooling system	forced circulation water cooled type

Concise Specification of the Chassis

Clutch	single disc dry plate type
Transmission:	four-rail type
gear-shift lever position	on transmission cover
speed ratio:	
first	8.71:1
second	4.74:1
third	2.71:1
fourth	1.59:1
fifth	1:1
reverse	8.71:1
Drive shaft:	
type	open
amount	2
universal joint, type and amount	roller bearing rigid body asynchronizing type, 3
Rear end:	
drive line	single grade, speed reduction type
speed reduction ratio	5.14:1
differential, type	cone-shaped straight toothed type

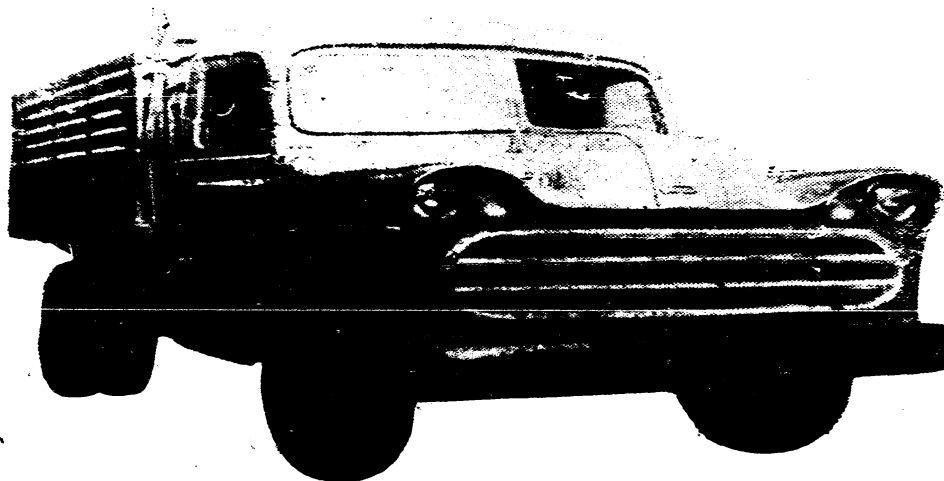
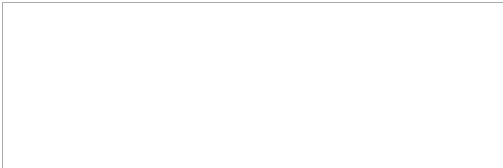
	axle	full floating type
	rear end housing	integral type
Front end		I-beam
Wheels:		
	type	8-hole steel disc type
	size	20 x 7
Tire size		8.25-20
Suspension:		
	front end	vertical semi-elliptical leaf spring, with two-way oil shock absorbers
	rear end	vertical semi-elliptic leaf spring, with auxiliary spring
Steering:		
	speed ratio	worm rod & roller type 23.5:1
Brake system:		
	foot brake	air pressure type
	hand brake	activates brake chamber by mechanical connection to connecting rod
Concise Specifications of the Electric System		
Voltage of the whole system		starter 24 volts, other 12 volts
Battery:		
	capacity	90 ampere-hour
	grounding	positive pole
Generator:		
	model	Hung Ch'i (made by the Chi Nan Automobile Repair Shop)
	Maximum output	300 watts (when 1400 rpm)
	regulating method	triple united regulator
Starter:		
	model	Hung Ch'i (made by Chi Nan Automobile Repair Shop)
	voltage	24 volts
	power	4 horsepower



Volumes

Engine crank case	14 liters
Cooling system	25 liters
Fuel tank:	
main	40 liters
second	40 liters
Transmission	4 liters
Rear end	8 liters

Remarks: This vehicle was produced by the Chi Nan Automobile Manufacturing Plant, Communication Administration Office of Shangtung Province and the automobile repair shop of the above Office.



Hung Ch'i Brand Truck

Maker	Peking Municipal Long Range Automobile Company, Repair Shop
Year	July 1958
Brand	Hung Ch'i brand
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	wooden, the rear fence flap may be opened
Nr of doors	2

General Data

Vehicle weight (empty)	3280 kg, on:
front end	1610 kg (49%)
rear end	1670 kg (51%)
Load capacity;	
on highway	3000 kg
on dirt road	2500 kg
Gross weight	6280 kg

Dimensions:

length	5950 mm
width	2150 mm
height	2300 mm

Inside measurements:

length	3050 mm
width	2050 mm
height	475 mm

Distance between axles:	3050 mm
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Minimum ground clearances:

front end	305 mm
rear end	245 mm

Front approaching angle	40°
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Rear clearing angle	32°
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Operational Data

Maximum speed	70 km/hr
Economical speed	35 km/hr
Minimum turning radius	7.6 meters

Concise Specifications of the Engine

Maker	Peking Municipal Long Range Automobile Company, Repair Shop
Brand & model	Ching Ch'ang (STC 0079/7022) 58. 7. 1
Type	four-stroke, carburetor type
Nr of cylinder & arrangement:	6-cylinders in straight line
Bore and stroke	82 x 110 mm
Displacement	3.48 liters
Compression ratio	6.2:1
Maximum power	with governor 70 Hp
Nr of crank shaft revolutions at maximum power	with governor 2800 rpm
Maximum torque	21.5 kg-meter/1600 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side

Fuel system:

fuel filter	Peking product
fuel pump	diaphragm type
carburetor	down-draft type, made by the Nan Ching (STC 0589/0079) Second Machinery Plant, Chevrolet type
air filter	filter screen & oil pool combined type a Shanghai product

Lubrication system:

oil pump	pressure circulation & splashing combined type
oil filter	gear type
	coarse filter and fine filter

Cooling system

	pressure circulation watercolled type
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Concise Specifications of the Chassis**Clutch type**

	semi-centrifugal single disc dry plate type
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Transmission:

	three-rail type
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gear-shift lever position:	on transmission cover
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speed ratio:	
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first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1

drive shaft:

type & amount	open type, 2
universal joint, amount	3

Rear end

drive line	single grade, speed reduction type
speed reduction ratio	6.67:1
differential	cone-shaped, straight toothed type
axle	full floating type

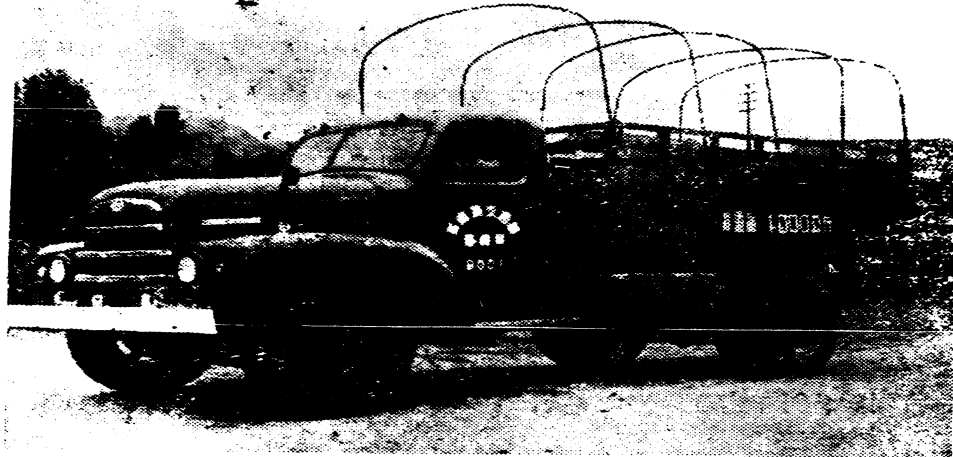
Front end	I-beam
Wheel:	
type	steel disc type
size	20 x 7
Tire size	7.50-20
Frame:	two longitudinal members made of steel plate which are rivetted together with crossmembers.
Suspension:	
front end	vertical semi-elliptic leaf spring with hydraulic two-way shock absorber.
rear end	vertical semi-elliptic leaf spring with auxiliary spring
Steering:	
type	worm rod & roller type
speed ratio	20.5:1
Brake system:	
foot brake	hydraulic type
hand brake	mechanical type

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery's grounding pole:	positive pole
Generator:	
model	RGA-51
maximum output	18 amperes
regulating method & regulator's model Nr	triple-set type regulator, Nr 1601
Distributor	national product Ke Shih (STC 2706/2448)-51
Spark plug, diameter at thread end	18 mm

Volumes

Engine crank case	7 liters
Carburetor's air cleaner	0.5 liter
Cooling system	14.5 liters
Fuel tank	105 liters
Transmission	3 liters
Rear end	2.6 liters



Hung Ch'i Brand HQ-58 Truck

Maker	K'un Ming (STC 2492/2494) Automobile Repair Shop
Year	1958
Brand & model	Hung Ch'i brand, HQ-58
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type:	high fencing board, the rear one may be opened
Nr of doors	2

General Data

Vehicle weight	3430 kg, on:
front end	1620 kg (47%)
rear end	1810 kg (53%)
Load capacity	4000 kg
Gross weight	7430 kg, on:
front end	2230 kg (30%)
rear end	5200 kg (70%)
Dimensions:	
length	6450 mm
width	2240 mm
height	2200 mm

Inside measurements:

length	3360 mm
width	2090 mm
height	870 mm
Distance between axles	4000 mm
Distances between wheels:	
front	1670 mm
rear	1740 mm
Minimum ground clearances:	
front end	230 mm
rear end	210 mm
Front approaching angle	33°
Rear clearing angle	31°

Operational Data

Maximum speed	80 km/hr
Minimum turning radius	9 meters
Maximum gradeability	27.5%
Maximum fording depth	750 mm
Fuel consumption rate (loaded)	27 liters/100 km

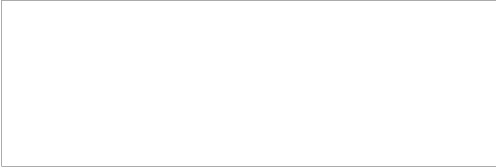
Concise Specifications of the Engine

Maker	K'un Ming Automobile Repair Shop
Model & Nr	HQ-58-4.27
Type	four-stroke, carburetor type
Nr of cylinder & arrangement	6-cylinder in straight line
Bore and stroke	88.9 x 114.3 mm
Displacement	4.27 liters
Compression ratio	6.3:1
Maximum power	93 horsepower
Nr of crank shaft revolution at maximum power	3000 rpm
Maximum torque	27.7 kg-meter

Cylinders firing order	1-5-3-6-2-4
Valve position	overhead
Lubrication system:	pressure & splashing combined type
oil pump	gear type
Cooling system	forced circulation water-cooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	three-rail type
gear-shift position:	on transmission cover
speed ratio:	
first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1
Rear end:	
drive line	single grade speed reduction type
speed reduction ratio	6.34:1
Front end	I-beam
Wheel:	
type	spoke type
size	20 x 7
Tire size	8.25-20
Suspension:	
front end	vertical semi-elliptic leaf spring
rear end	vertical semi-elliptic leaf spring with auxiliary spring



Steering:

type

worm column & double tie-rod
knuckle type

speed ratio

22:1

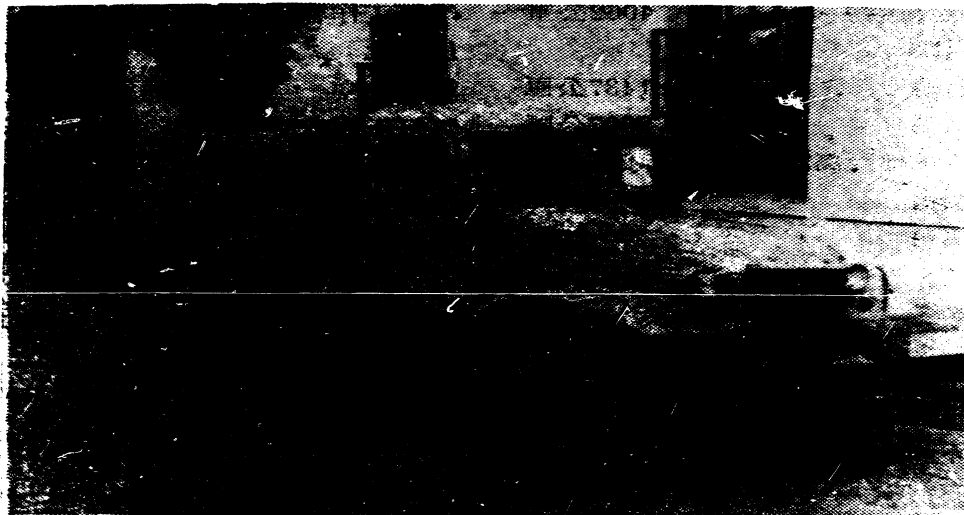
Brake system:

foot brake

hydraulic type

hand brake

drum type, to the rear of the second
axle of the transmission



Hung Ch'i Brand Truck

Maker	Heng Yang (STC 5899/7122) Automobile Repair Shop
Year	1958
Brand	Hung Ch'i (STC 4767/2475) brand
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	for both passenger & cargo
Nr of doors	2

General Data

Vehicle weight (empty)	2600 kilograms, on:
front end	1073 kg (41.45%)
rear end	1523 kg (58.55%)
Load capacity:	
on highway	3500 kg
on dirt road	2500 kg
Nr of passengers	60
Nr of seats	26

Gross weight (loaded)	6100 kg, on:
front end	1960 kg (32.17%)
rear end	4140 kg (67.83%)
Dimensions:	
length	6442 mm
width	2235 mm
height	2083 mm
Distance between axles	4062 mm
Distances between wheels:	
front	1437 mm
rear	2007 mm
Minimum ground clearance:	235 mm
Front approaching angle	40°
Rear clearing angle	20°

Operational Data

Maximum speed	70 km/hr
Economical speed	50 km/hr
Minimum turning radius:	
left front wheel	6.9 meters
right front wheel	7.2 meters
Maximum gradeability	40%
Maximum fording depth	812.8 mm
Fuel consumption rate (loaded):	(coal) 45 kg/100 km
Cruising range (one full load of fuel)	50 km
Braking distance:	on dry highway when speed is 50 km/h, less than 12 meters

Concise Specifications of the Engine

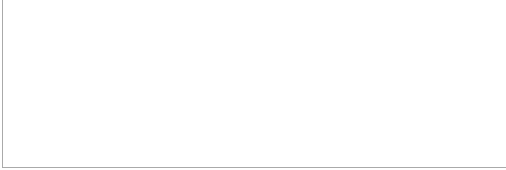
Make:	Heng Yang (STC 5899/7122)
Model Nr	4115
Type	four-stroke, carburetor type (coal gas)
Nr of cylinders & arrangement:	four-cylinder in straight line
Bore and stroke	115 x 145 mm

Displacement	6.024 liters
Compression ratio	8.5:1
Maximum power	without speed limiter, about 52 horsepowers
Cylinders firing order:	1-3-2-4
Valve position	overhead
Fuel chamber	whirl pool type
Lubrication system:	
type	pressure and splashing combined type
oil pump	gear type
oil filter type & connection:	paper changeable type, in parallel
Cooling system:	forced circulation water-cooled type

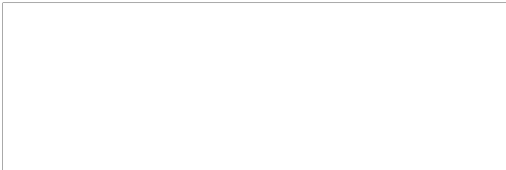
Concise Specifications of the Chassis

Clutch	double disc dry plate type
Transmission:	H3GB type
gear-shift lever position:	on transmission cover
speed ratio:	
first	6.62:1
second	4.02:1
third	2.43:1
fourth	1.57:1
fifth	1.00:1
reverse	6.57:1

Drive shaft:	
type	open type
amount	2
universal joint:	
type	roller bearing
amount	3



Rear end:	
drive line	single grade speed reduction type
speed reduction ratio	7.16:1
differential	cone-shaped straight toothed type
axle	full floating type
rear end housing	integral type
Front end	I-beam
Wheel:	
type	steel disc
size	20 x 7
Tire size	34 x 7
Frame type	two forged vertical channel type members plus 5 crossmembers
Suspension	
front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptic leaf spring
Steering:	
type	spherical worm column & roller type
speed ratio	18.4:1
Brake system:	
foot brake	hydraulic type
hand brake	mechanical type
Concise Specifications of the Electric System	
Voltage of the whole system	12 volts
Battery's grounding pole	positive pole
Generator:	
maximum output	18 amperes
regulating method	triple-set type regulator
Starter:	
voltage	12 volts
power	1.8 horsepower



Spark plug

18 mm

Volumes

Engine crank case

10 liters

Cooling system

28 liters

Transmission

4 liters

Rear end

5.3 liters




Ch'ang Cheng Brand Truck

Maker	Automobile Repair Shop of Fu-chou (2605N/11919E) Military District
Year	1958
Brand	Ch'ang Cheng (STC 7022/1767) brand
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	wooden with rear fence flap
Nr of doors	2

General Data

Vehicle weight (empty)	2710 kg, on:
front end	1300 kg (48%)
rear end	1410 kg (52%)
Load capacity:	
on highway	2500 kg
on dirt road	2000 kg
Gross weight	5350 kg, on:
front end	1600 kg (30%)
rear end	3750 kg (70%)



Dimensions:

length	5525 mm
width	2200 mm
height	2130 mm

Inside measurements:

length	2940 mm
width	1990 mm
height	540 mm

Distance between axles	3300 mm
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Distances between wheels:

front wheels	1585 mm
rear wheels	1650 mm

Minimum ground clearances:

front end	305 mm
rear end	245 mm

Front approaching angle	40°
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Rear clearing angle	32°
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Operational Data

Maximum speed	70 km/hr
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Economical speed	40 km/hr
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Minimum turning radius	7.6 meters
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Maximum gradeability	40°
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Fuel consumption rate (loaded):	30 liters/100 km
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Cruising range (with one full tank)	350 km
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Concise Specifications of the Engine

Maker	Automobile Repair Shop of the Fu-chou Military District
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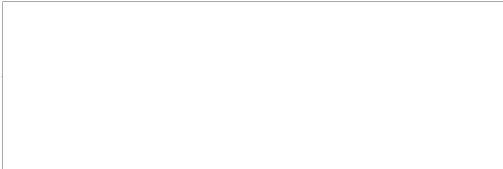
Model	Chang Cheng
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Type	four-stroke carburetor type
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Nr of cylinders & arrangement	six-cylinder in straight line
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Bore and stroke	82 x 110 mm
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Displacement	3.48 liters
Compression ratio	6.2:1
Maximum power	with governor, 70 Hp
Nr of crank shaft revolutions at maximum power	with governor 2800 rpm
Maximum torque	20.5 kg-meter/1600 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side
Fuel system:	
fuel filter	plate type
fuel pump	diaphragm type
carburetor, model	K ₄₉ A or K-22G
air cleaner	filter screen & oil pool combined type
Lubrication system:	combined type
oil pump	gear type
oil filter	coarse filter, separated plate type; fine filter installed with ACfO-2 filter wick
Cooling system	forced circulation water-cooled
Concise Specifications of the Chassis	
Clutch	semi-centrifugal, dry type
Transmission:	three-rail type
gear-shift lever position:	on transmission cover
speed ratio:	
first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1
Drive shaft:	
type	two-axle open type
amount	2



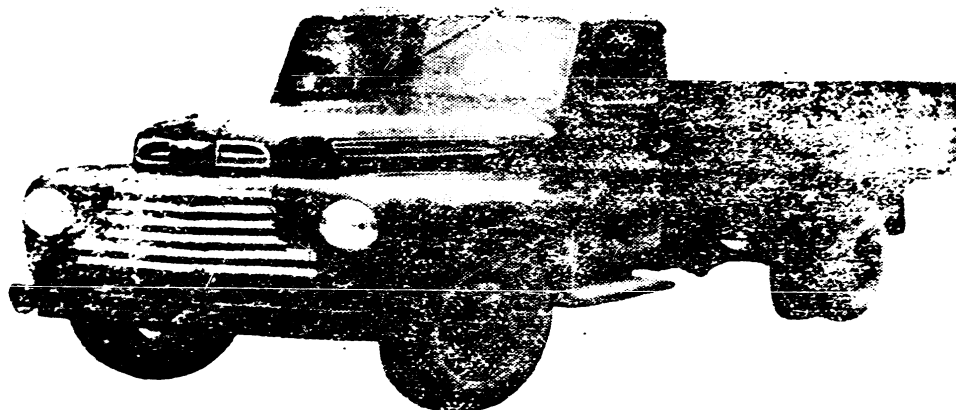
universal joint, type and amount:	roller bearing type, 3
Rear end:	
drive line	single grade, speed reduction type
speed reduction ratio	6.67:1
differential	cone-shaped, straight toothed type
axle	full floating type
rear end housing	separate type
Front end	I-beam
Wheel:	
type	6-hole steel disc type
size	20 x 7
Tire size	7.50 - 20
Frame	two parallel vertical members plus 5 crossmembers, member's cross-section is groove-shaped
Suspension:	
front end	vertical semi-elliptic leaf spring
rear end	vertical semi-elliptic leaf spring, with auxiliary spring
Steering:	
type	spherical worm column and double-roller
speed ratio	20.5:1
Brake system:	
foot brake	hydraulic shoe plate type
hand brake	disc double shoe plate type
Concise Specifications of the Electric System	
Voltage of the whole system:	12 volts
Battery's grounding pole:	positive pole
Generator:	
type	G-21
maximum output	18 amperes
regulating method and regulator's model	triple-united regulator, PP-12

Starter:

model	CT-08
voltage	12 volts
power	1.8 horsepower
Distributor's model	P-20
Ignition coil, model	B-21
Spark plug:	
model	M12/10 or M/12
diameter at thread end:	18 mm

Volumes

Engines crank case	7 liters
Carburetor's air cleaner	0.5 liter
Cooling system	14.5 liters (with pre-heater) 13.5 liters (without pre-heater)
Fuel tank	90 liters
Transmission	3.3 liters
Rear end	3 liters



Tung Fang Hung Brand Truck

Maker	Fu Chou (STC 4395/1558) Transportation Machinery Repair & Manufacturing Plant
Year	1958
Brand	Tung Fang Hung (STC 2639/2455/4767) brand
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	Flaps on three sides
Nr of doors	2

General Data

Vehicle weight (empty)	3031 kg, on:
front end	1331 kg (43.9%)
rear end	1700 kg (56.1%)
Load capacity:	
on highway	3500 kg
on dirt road	2800 kg
Gross weight	6531 kg, on:
front end	1681 kg (25.7%)
rear end	4850 kg (74.3%)

Dimensions:

length	6485 mm
width	2420 mm
height	2200 mm

Inside measurements:

length	3585 mm
width	2250 mm
height	675 mm

Distance between axles	4000 mm
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Distances between wheels:

front wheels	1480 mm
rear wheels	1670 mm

Minimum ground clearances:

front end	316 mm
rear end	262 mm

Front approaching angle	25°35'
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Rear clearing angle	27°50'
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Operational Data

Maximum speed	74 km/hr
Minimum turning radius	9.2 meters
Maximum gradeability	16° or 28.6%
Maximum fording depth	670 mm
Fuel consumption rate (loaded)	19 liters/100 km
Cruising range (one full tank)	600 km
Braking distance	on dry highway, when speed is 30 km/hr. less than 14 meters

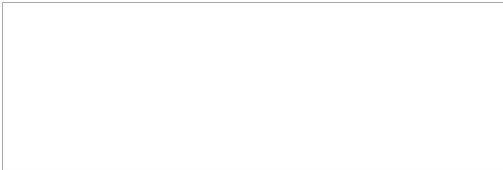
Concise Specifications of the Engine

Maker	Fu Chou Transportation Machinery Repair and Manufacturing Plant
Type	four-stroke, carburetor type
Nr of cylinders & arrangement:	six cylinders in straight line
Bore and stroke	90.5 x 100 mm

Displacement	3.86 liters
Compression ratio	6.62:1
Maximum power	93 horsepower
Nr of crank shaft revolutions at maximum power:	3100 rpm
Maximum torque	25.4 kg-meter/1000 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	overhead, on cylinder's cover
Fuel system	
fuel filter	screen type
fuel pump	diaphragm type
carburetor, type & model	down-draft type, K ₅ model (national product)
air cleaner	screen type, with oil pool
Lubrication system:	
type	Pressure circulation type
oil pump	gear type
oil filter, type & connecting method	multi-layer type, parallel
Cooling system	forced circulation water-cooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
type	three-rail type
gear-shift lever position	on transmission cover
speed ratio:	
first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1


Drive shaft:

type	open type
amount	2
universal joint, type & amount	roller bearing type, 3

Rear end:

drive line	single grade speed reduction type
speed reduction ratio	6.67
differential	cone-shaped straight toothed type
axle	full floating type
rear and housing	separate type

Front end

I-beam

Wheels:

type	steel disc type
size	20 x 7

Tire, type & size

34 x 7 (7.50-20)

Frame type

two grooved vertical members plus 6 cross-members

Suspension:

front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptical leaf spring plus auxiliary spring

Steering:

type	circular steel balls & screw cap type
speed ratio	18:1

Brake system:

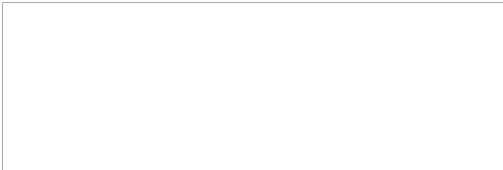
foot brake	hydraulic type
hand brake	plate type, located between transmission and drive shaft, mechanically controlled

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
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Battery:

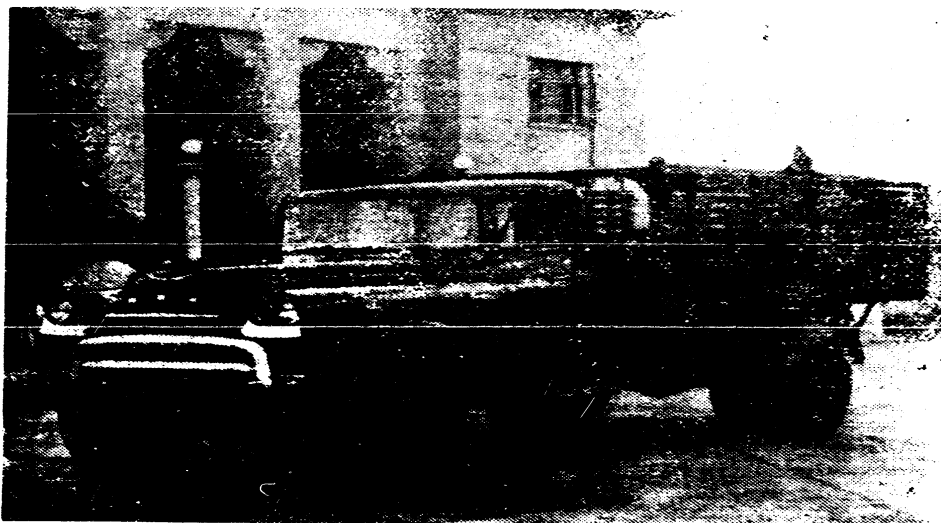
capacity	14.7 ampere-hour
grounding pole	positive pole

**Generator:**

maximum output	38 amperes
regulating method	triple-set type regulator
Starter's voltage	6 volts
Distributor, model	centrifugal regulating type
Ignition coil, type	globe brand
Spark plug	14 mm

Volumes

Engine crank case	8 liters
Carburetor's air cleaner	0.5 liter
Cooling system	16 liters
Fuel tank	11.4 liters
Transmission	2.34 liters
Rear end	2.84 liters



Ho Ping Brand 2-Model Truck

Maker	Tientsin (3908N/11712E) Municipal Automobile Repair Shop
Year	1958
Brand & model	Ho Ping (STC 0735/1627) brand, 2- model
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	fence flaps on three sides
Nr of doors	2

General Data

Vehicle weight (empty)	4500 kilograms
Load capacity:	
on highway	5000 kg
on dirt road	4500 kg
Gross weight	9500 kg
Dimensions:	
length	6875 mm
width	2460 mm
height	2370 mm

Inside measurements:

length	3925 mm
width	2460 mm
height	1060 mm
Distance between axles;	4318 mm
Distances between wheels:	
front wheels	1797 mm
rear wheels	1829 mm
Minimum ground clearances:	
front end	335 mm
rear end	319 mm
Front approaching angle	50°
Rear clearing angle	28½°

Operational Data

Maximum speed	64 km/hr
Economical speed	30 - 40 km/hr
Minimum turning radius	9.1 meters
Maximum gradeability	46%
Fuel consumption rate (loaded):	29.6 liters/100 km
Cruising distance (one full tank)	720 km

Concise Specifications of the Engine

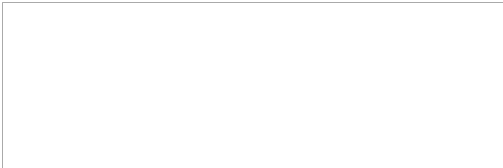
Maker	Tientsin Municipal Automobile Repair Shop
Model	THF-2
Type	four-stroke, carburetor type
Nr of cylinders & arrangement:	six cylinders in straight line
Bore and stroke	95.25 x 127 mm
Displacement	5.43 liters
Compression ratio	6.35:1
Maximum power with governor	116 horsepower
Nr of crank shaft revolutions at maximum power	with governor 2800 rpm

Maximum torque	36.2 kg-meter/1200 rpm
Cylinders firing order	1-5-3- 6 -2-4
Valve position	valve-in-side
Combustion chamber, type	whirl-pool type
Fuel system:	
fuel filter	automatic cleaning type (installed inside the gasoline tank)
fuel pump	diaphragm type, 6 outlets
carburetor	down-draft type
air cleaner	wet type

Lubrication system:	pressure circulation & splashing combined type
oil pump	gear type
oil filter, type & connecting method	fine filter, parallel type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
type	three-rail type
gear-shift lever position:	on transmission cover
speed ratio:	
first	7.58:1
second	4.38:1
third	2.395:1
fourth	1.478:1
fifth	1:1
reverse	6.1:1
Drive shaft:	
type	open
amount	2
universal joint, type and amount	roller, bearing, 3

**Rear end:**

drive line	two-grade, speed reduction
speed reduction ratio	8.4:1
differential	cone-shaped straight toothed type
axle	full floating type
rear end housing	integral type

Front end

I-beam

Wheels:

type	steel disc type
size	20 x 9 - 10

Tire size

10.00-20

Suspension:

front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptical leaf spring

Steering:

type	circular steel balls & screw nut type
speed ratio	23.6:1

Brake system:

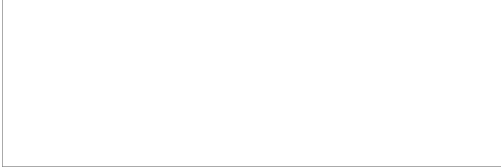
foot brake	hydraulic, vacuum increasing pressure type
hand brake	mechanical type (on the drive shaft)

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery's grounding pole:	position pole
Generator:	
maximum output	35 amperes
regulating method	triple-united regulator
Spark plug	1/4mm

Volumes

Generator	7.57 liters
Carburetor's air cleaner	0.95 liter
Cooling system	26.5 liters



Fuel tank	227 liters
Transmission	5.2 liters
Rear end	6.64 liters




Chien She Brand 51-Model Truck

Maker	An Tung (STC 1344/2639) Automobile Repair Shop
Year	1958
Brand & model	Chien She (STC 1696/6080) brand 51-Model
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	fence flaps on three sides
Nr of doors	2

General Data

Vehicle weight (empty)	2513 kg, on:
front end	1206 kg (48%)
rear end	1307 kg (52%)
Load capacity:	
on highway	2000 kg
on dirt road	1500 kg
Gross weight	4633 kg, on:
front end	1476 kg (32%)
rear end	3157 kg (68%)



Dimensions:

length	5329 mm
wodth	2218 mm
height	2130 mm

Inside measurements:

length	2800 mm
width	1985 mm
height	500 mm

Distance between axles: 3300 mm

Distances between wheels:

front wheels	1610 mm
rear wheels	1660 mm

Minimum ground clearances:

front end	280 mm
rear end	288 mm

Front approaching angle 46°

Rear clearing angle 28°

Operational Data

Maximum speed 60 km/hr

Economical speed 30 km/hr

Minimum turning radius:

front left wheel 6.9 meters

front right wheel 7.1 meters

Maximum gradeability 29.2%

Maximum fording depth 0.7 meter

Fuel consumption rate (loaded): 20.2 liters/100 km

Crusing range (one full tank) 520 km

Braking distance on dry highway when speed is 30 km/hr,
less than 6 meters

Concise Specifications of the Engine

Maker	An Tung Automobile Repair Shop
Model	Chien She (STC 1696/6080)
Type	four-stroke, carburetor type
Nr of cylinders and arrangement:	four cylinders in straight line
Bore and stroke	98.43 x 108 mm
Displacement	3.28 liters
Compression ratio	5:1
Maximum power:	
without governor	54 Hp
with governor	50 Hp
Nr of crank shaft revolutions at maximum power:	
without governor	3000 rpm
with governor	2800 rpm
Maximum torque	17 kg-meter/1450 rpm
Cylinders firing order	1-2-4-3
Valve position	valve-in-side
Fuel system:	
fuel filter	multi-plate type
fuel pump, type & model	diaphragm type, A3
carburetor type & model	down-draft type, K-23; or FA 231 made by the Pei Ching Automobile Manufacturing Plant
air cleaner	centrifugal wet type
Lubrication system:	
type	pressure circulation & splashing type
oil pump	gear type
oil filter type & connecting method:	changeable wick type, connected parallel to main oil pipe
Cooling system	forced circulation water-cooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission	
type	three-rail type
gear-shift lever position	on transmission cover
speed ratio:	
first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1
Drive shaft	
type	open type
amount	2
universal joint, type & amount	roller bearing type, 3
Rear end:	
drive line	single grade speed reduction type
speed reduction ratio	6.6:1
differential	cone-shaped straight toothed type
axle	full floating type
rear end housing	integral type
Front end	I-beam
Wheels:	
type	six-hole steel disc type
size	20 x 6
Tire type and size	Ch'ang Cheng (STC 7022/1767), 32 x 6
Suspension:	
front end	vertical semi-elliptical leaf spring with shock absorber
rear end	vertical semi-elliptical leaf spring plus auxiliary spring

Steering:

type	spherical worm column and double-roller type
speed ratio	20:1

Brake system:

foot brake	hydraulic type
hand brake	plate type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
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Battery:

capacity	100 ampere-hour
grounding pole	negative pole

Generator:

type	GM-71
maximum output	14.5 amperes
regulating method & regulator type	third electric brush regulating, circuit breaker is Ts B-4118 type

Starter:

model	MAF 4006
voltage	6 volts
power	0.8 watt

Distributor, model	IM-91
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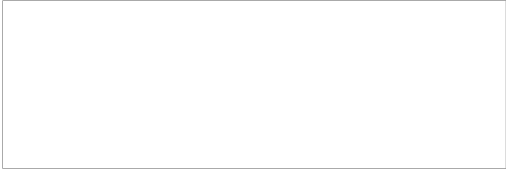
Ignition coil	globe brand
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Spark plug:

model	M 15/15
diameter at thread end	18 mm

Volumes

Engine crank case	4.7 liters
Carburetor's air cleaner	0.5 liter
Cooling system	13 liters
Fuel tank	105 liters
Transmission	2.75 liters
Rear end	2.1 liters



Hsien Chin Brand 72 Model Truck

Maker	Ch'ung ch'ing (2934N/10635E) Municipal Local State-Operated Hsin Chien (STC 2450/1696) Machinery Plant
Year	1958
Brand & model	Hsien Chin (STC 0341/6651) brand 72
Engine position	front
Type of vehicle	truck
Nr of axles & Nr of driving axles	2 x 1
Body type	wooden cargo body
Nr of doors	2

General Data

Vehicle weight (empty)	2800 kg, on:
front end	1260 kg (45%)
rear end	1540 kg (55%)
Load capacity:	
on highway	3500 kg
on dirt road	3000 kg
Gross weight	6300 kg, on:
front end	1500 kg (24%)
rear end	4800 kg (76%)
Dimensions:	
length	6500 mm
width	2280 mm
height	2230 mm
Inside measurements:	
length	3740 mm
width	2200 mm
height	600 mm
Distance between axles:	3800 mm

Distances between wheels:

front wheels	1460 mm
rear wheels	1620 mm

Minimum ground clearances:

front end	330 mm
rear end	250 mm

Front approaching angle	40°
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Rear clearing angle	20°
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Operational Data

Maximum speed	80 km/hr
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Economical speed	60 km/hr
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Minimum turning radius

left front wheel	8.0 meters
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right front wheel	8.3 meters
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Fuel consumption rate (loaded)	30 liters/100 km
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Cruising range (on full tank)	330 km
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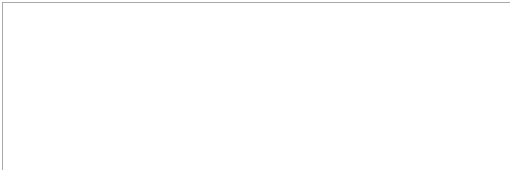
Braking distance:	on dry highway when speed is 20 km/hr, less than 12 meters.
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Concise Specifications of the Engine

Maker	Hsin Chien Machinery Plant
Brand & model	Hsien Chin brand 72
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	six cylinders in straight line
Bore and stroke	87.31 x 107.95 mm
Displacement	2.39 liters
Compression ratio	6.3:1
Maximum power	without governor 95 Hp
Nr of crank shaft revolution at maximum power	without governor, 3600 rpm
Maximum torque	25.6 kg-meter/1200 rpm
Minimum fuel consumption rate	280 g/effective Hp-hr
Cylinders firing order	1-5-3-6-2-4

Valve position		valve-in-side
Combustion chamber		lei K'a To (STC 7191/0595/1122) type
Fuel system:		
fuel pump		diaphragm type
carburetor		down-draft type
air cleaner		wet type
Lubrication system:		pressure circulation type
oil pump		gear type
oil filter		felt filter wick type
Cooling system		pressure circulation water-cooled type
Concise Specifications of the Chassis		
Clutch		single disc dry plate type
Transmission:		three rail type
gear-shift lever position		on transmission cover
speed ratio:		
first		6.4:1
second		3.09:1
third		1.69:1
fourth		1:1
reverse		7.82:1
Drive shaft		open type
amount		2
universal joint type		
amount		roller bearing type, 3
Rear end:		
drive line		single grade, speed reduction type
differential		cone-shaped straight toothed type
axle		full floating type
rear and housing		integral type

Front end	I-beam
Wheels:	
type	steel disc type
size	20 x 7
Tire size	7.50 - 20
Frame type	made of grooved steel plate with 5 crossmembers
Suspension:	
front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptical leaf spring
Steering:	
speed ratio	circular steel balls nut type 23.6:1
Brake system:	
foot brake	hydraulic type, with vacuum hydraulic auxiliary device
hand brake	plate type, mechanical actuator
Concise Specifications of the Electric System	
Voltage of the whole system:	6 volts
Battery:	
capacity	152 ampere-hr
grounding pole	negative pole
Generator:	
model	GEG-5002D
maximum output	40 amperes
regulating method & the regulator's model	triple-unit type regulator, VRY-4203A
Starter:	
model	MAX-4054
voltage	6 volts
power	2.5 horsepower
Distributor, model	IGC-4204A
Ignition coil, model	CE-4013

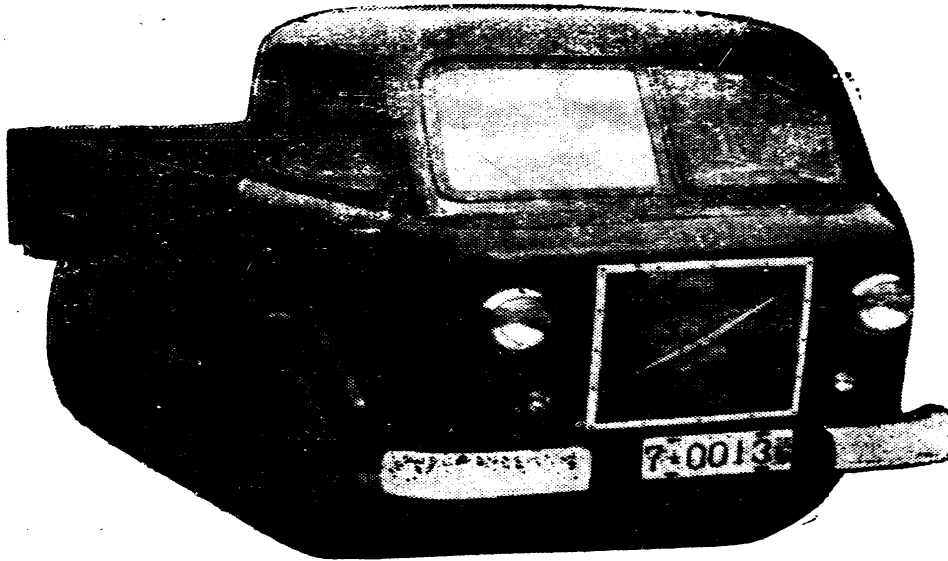


Spark plug:

model	AL-A5
diameter at thread end	14 mm

Volumes

Engine crank case	4.8 liter
Carburetor's air cleaner	0.5 liter
Cooling system	19.5 liters
Fuel tank	70 liters
Transmission	2.9 liters
Rear end	5 liters



Hsien Chin Brand 73-Model Truck

Maker	Ch'ung Ch'ing municipal local State-Operated Hsin Chien Machinery Plant
Year	1958
Model	Hsien Chin brand 73
Engine position	front
Type of vehicle	light truck
Nr of axles & driving axles	2 x 1
Body type	wooden
Nr of doors	2

General Data

Vehicle weight (empty)	1400 kg, on:
front end	520 kg (35%)
rear end	880 kg (65%)
Load capacity:	
on highway	2000 kg
on dirt road	1500 kg
Gross weight	3400 kg, on:
front end	1360 kg (40%)
rear end	2040 kg (60%)

Dimensions:

length	4100 mm
width	1660 mm
height	1800 mm

Inside measurements:

length	2750 mm
width	1650 mm
height	600 mm

Distance between axles	2200 mm
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Distances between wheels:

front wheels	1440 mm
rear wheels	1455 mm

Minimum ground clearances:

front end	250 mm
rear end	250 mm

Front approaching angle	28°
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Rear clearing angle	40°
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Operational Data

Maximum speed	60 km/hr
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Economical speed	40 km/hr
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Minimum turning radius:

left front wheel	5 meters
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right front wheel	5.3 meters
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Fuel consumption rate(loaded):	10 liters/100 km
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Cruising range (one full tank)	450 km
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Braking distance:	on dry highway when speed is 20 km/hr, less than 11 meters
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Concise Specifications of the Engine

Maker	Hsin Chien Machinery Plant
Model Nr	73
Type	four-stroke, carburetor type

Nr of cylinders and arrangement:	two cylinders in V-shape
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7:1
Maximum power:	
without governor	42 horsepower
Nr of crank shaft revolutions at maximum power:	
without governor	3500 rmp
Maximum torque	13.3 kg-meter/1200 rpm
Minimum fuel consumption rate	200g/effective Hp-h
Cylinders firing order	right 1 - left 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
air cleaner	wet type
Lubrication system:	
type	pressure circulation type
oil pump	gear type
oil filter	felt filter wick type
Cooling system	air-cooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	three-rail type
gear-shift lever position	on transmission cover
speed ratio:	
first	4.977:1
second	2.98:1
third	1.67:1
fourth	1:1
reverse	5.54:1

Drive shaft

amount

open type

1

universal joint, type &
amount

roller bearing type, 2

Rear end:

drive line

single grade speed reduction type

speed reduction ratio

6.67:1

differential

cone-shaped straight-toothed type

axle

full floating type

rear end housing

integral type

Front end

I-beam

Wheel type

steel disc type

Tire size

7.50-16

Frame typevertical members made of steel plate,
crossmembers made of steel tubing.**Suspension:**

front end

vertical semi-elliptical leaf spring

rear end

vertical semi-elliptical leaf spring

Steering:

type

worm column & double tie knuckle arms

speed ratio

14-12-14:1

Brake system:

foot brake

hydraulic type

hand brake

plate type, mechanical actuator

Concise Specifications of the Electric System**Voltage of the whole system**

6 volts


Battery:

capacity

120 ampere-hour

grounding pole

positive pole


Generator:

model	DS200/6ER
maximum output	30 amperes

Starter:

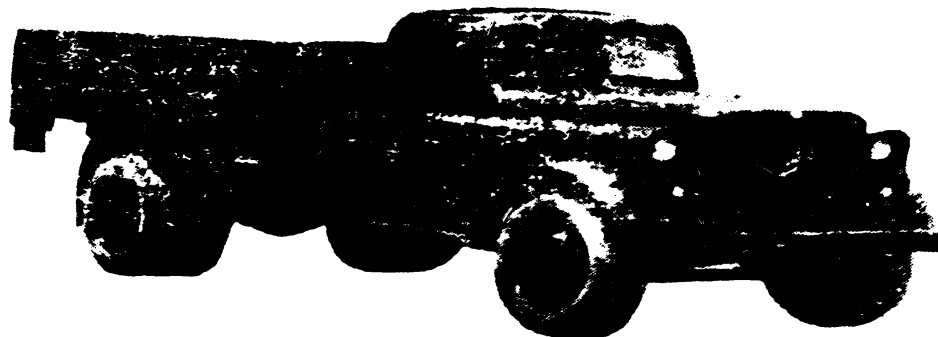
model	MY 0.816 HLDP
voltage	6 volts
power	0.8 horsepower

Spark plug:

model	B-52
diameter at thread end:	14 mm

Volumes

Engine crank case	0.7 liter
Oil tank	10 liters
Carburetor's air cleaner	0.6 liter
Fuel tank	45 liters
Transmission	0.825 liter
Rear end	2.8 liters



Meng Chin Brand CJ 10 Model Truck

Maker	Chi Chiang (STC 4847/3068) Automobile Parts Works
Year	June 1958
Brand & Model	Meng Chin (STC 3718/6651) brand CJ 10
Engine position	front
Type of vehicle	truck
Nr of axles and driving axles	2 x 1
Body type	Cargo body with flaps on three sides
Nr of doors	2

General Data

Vehicle weight (empty)	4500 kg, on:
front end	1500 kg (33%)
rear end	3000 kg (67%)
Load capacity:	
on highway	5000 kg
Gross weight	9500 kg, on:
front end	3167 kg (33%)
rear end	6333 kg (67%)
Dimensions:	
length	6740 mm
width	2400 mm
height	2933 mm

Inside measurements:

length	3800 mm
width	2360 mm
height	700 mm
Distance between axles	4320 mm
Distances between wheels:	
front wheels	1800 mm
rear wheels	1830 mm
Minimum ground clearance	319 mm
Front approaching angle	50°
Rear clearing angle	28½°

Operational Data

Maximum speed	64 km/hr
Minimum turning radius	9.1 meters
Maximum gradeability	46%
Fuel consumption rate (loaded)	26.3 liters/100 km
Cruising range (one full tank)	725 km

Concise Specifications of the Engine

Maker	Chi Chiang Automobile Parts Manufacturing Works
Type	four-stroke, carburetor type
Nr of cylinders and arrangement:	six cylinders in straight line
Bore and stroke	92.25 x 127 mm
Displacement	5.43 liters
Compression ratio	6.35:1
Maximum power	with governor, 118 Hp
Nr of crank shaft revolutions at maximum power	with governor 2800 rpm
Maximum torque	36.2 kg-meter/1200 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side

Fuel system:

fuel filter	plate type
fuel pump, type & model Nr	diaphragm type, national product 1538737
carburetor, type and model Nr	down-draft type, national product ETX-1
air cleaner	filter screen & oil pool combined type

Lubrication system:

oil pump	pressure and splashing combined type
oil filter, type & connection	gear type
Cooling system	changeable filter wick type
	forced circulation water-cooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
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Transmission:

gear-shift lever position	three-rail type
speed ratio:	on transmission cover
first	7.58:1
second	4.38:1
third	2.395:1
fourth	1.478:1
fifth	1:1
reverse	6.1:1

Drive shaft:

type	open type
amount	2
universal joint, type & amount	rigid asynchronized type, 3

Rear end:

drive line	double grade speed reduction type
speed reduction ratio	8.4:1
differential	cone-shaped straight toothed type
axle	full floating type
rear axle housing	integral type

Front end**I-beam****Wheels:**

type

steel disc type

size

20 x 9 - 10

Tire type & size

10.00 - 20

Frame type

side members and crossmembers are rivetted together

Suspension:

front end

vertical semi-elliptical leaf spring with tubular two way shock absorber

rear end

vertical semi-elliptical leaf spring plus auxiliary spring

Steering:

type

worm column & single tie knuckle type

speed ratio

20:1

Brake system:

foot brake

hydraulic type with vacuum auxiliary device

hand brake

mechanical located behind transmission

Concise Specifications of the Electric System**Voltage of the whole system**

6 volts

Battery:

capacity

155 ampere-hour

grounding pole

positive pole

Generator:

model Nr

national product GDZ-4802A

maximum output

35 amperes

regulating method & regulator's type

triple-set type regulator, national product VRP-4001A

Starter:

model Nr

national product MAX-4054

voltage

6 volts

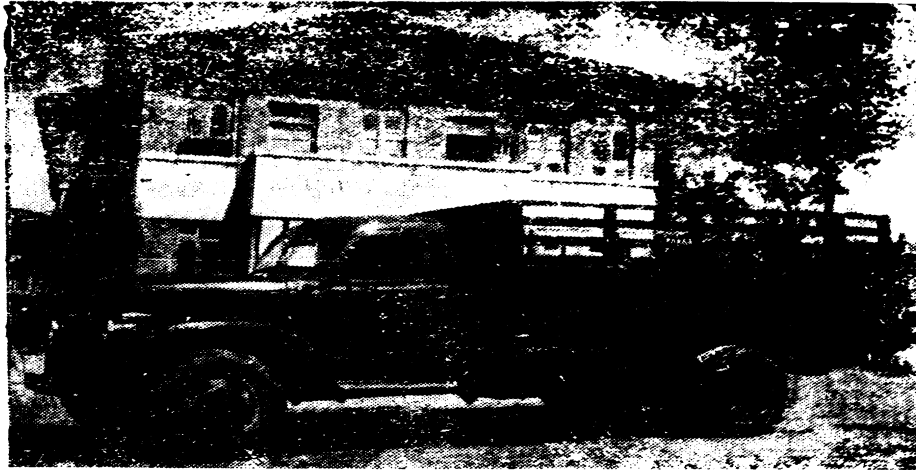
power

0.5 Hp

Distributor's model Nr	national product IGC-4508A1
Ignition coil's model Nr	national product IG-4652
Spark plug:	
model Nr	national product A5
diameter at thread end	14 mm

Volumes

Engine crank case	7.6 liters
Carburetor's air cleaner	0.95 liter
Cooling system	26.5 liters
Fuel tank	227 liters
Transmission	5.2 liters
Rear end	6.6 liters




Ma Wang Brand 81-Model Truck

Maker	Kuei Chan (STC 6311/1558) Automobile Manufacturing Plant
Year	Aug 1958
Brand & model	Ma Wang (STC 7456/3769) brand 81
Engine position	front
Type of vehicle	truck
Nr of axles driving axles	2 x 1
Body type	cargo truck
Nr of doors	2

General Data

Vehicle weight (empty)	2700 kg, on:
front end	1220 kg (45%)
rear end	1480 kg (55%)
Load capacity	6200 kg, on:
front end	1980 kg (32%)
rear end	4220 kg (68%)
Dimensions:	
length	6450 mm
width	2240 mm
height	2100 mm



Inside measurements:

length	3650 mm
width	2130 mm
height	1100 mm
Distance between axles:	14064 mm
Distances between wheels:	
front wheels	1530 mm
rear wheels	1621 mm
Minimum ground clearances:	
front end	235 mm
rear end	254 mm
Front approaching angle	40°
Rear clearing angle	20°


Operational Data

Maximum speed	72.5 km/hr
Minimum turning radius	
left front wheel	7.9 meters
right front wheel	3.2 meters
Maximum gradeability	26½° or 49.9%
Maximum fording depth:	815 mm
Fuel consumption rate (loaded)	20 liters/100 km
Cruising range (one full tank)	750 km
Breaking distance	on dry highway when speed is 30 km/hr, less than 5 meters

Concise Specifications of the Engine

Maker	Kuei Chan Sheng (STC 6311/1558/4164) Automobile Manufacturing Plant
Type	four-stroke, carburetor type
Nr of cylinders & arrangement:	six cylinders in straight line
Bore and stroke	87.3 x 114.3 mm
Displacement	4.105 liters
Compression ratio	6.3:1

Maximum power		without governor 104 Hp
Nr of crank shaft revolutions at maximum power		without governor 3000 rpm
Maximum torque		26.3 kg-meter/1500-2200 rpm
Cylinders firing order		1-5-3-6-2-4
Valve position		valve-in-side
Fuel system:		
fuel pump, type & model:		diaphragm type, Hu Kung (STC 3337/1562) T 110 model
carburetor		down-draft type
air cleaner, type & model:		inertia oil bath type, Hu Kung T 110 model
Lubrication system:		pressure circulation and splashing combined type
air pump		gear type
oil filter		iron shell cotton wick type
Cooling system		pressure circulation water cooled type
	Concise Specifications of the Chassis	
Clutch		single disc dry plate type
Transmission:		three-rail type
gear-shift lever position		on transmission cover
speed ratio:		
first		6.53:1
second		3.236:1
third		2.117:1
fourth		1:1
reverse		8.067:1
Drive shaft:		open type
amount		2
Nr of universal joint		3


Rear end:

drive line	two-speed single grade speed reduction type
speed reduction ratio	high speed gear 5.83, low speed gear 8.01
differential	cone-shaped straight toothed type
rear end housing	integral type

Front end

I-beam

Wheel size

5.00S

Tire size

7.50 - 20

Frame type

two different height grooved side members plus 7 crossmembers

Suspension:

front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptical leaf spring

Steering:

type	spherical worm column & double-roller type
speed ratio	18.4:1

Braking system:

foot brake	hydraulic type with vacuum auxiliary device
hand brake	mechanical type only controls the rear wheels

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
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Battery:

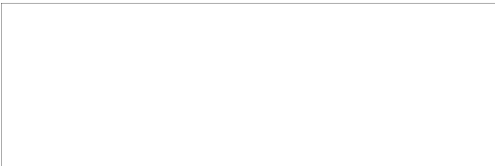
capacity	112 ampero-hour
grounding pole	positive pole

Generator:

maximum output	18 amperes
regulating method	tri-set type regulator

Starter:

voltage	12 volts
power	1.8 Hp

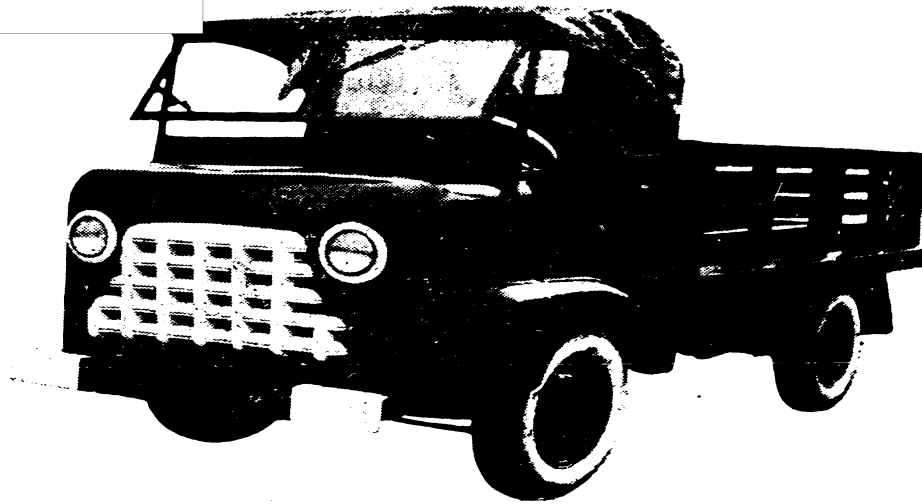


Spark plug:

model Nr	14-16-1
diameter at thread end	14 mm

Volumes

Engine crank case	4.8 liters
Carburetor's air cleaner	0.475 liter
Cooling system	21 liters
Fuel tank	150 liters
Transmission	2.85 liters
Rear end	5.2 liters



Hung Yen Brand Truck

Maker	Ch'ung Ch'ing (STC 6850/1987) Auto- mobile Parts Manufacturing Plant
Year	Apr 1958
Brand	Hung Yen (STC 4767/1484) brand
Engine position	right side of driver's seat
Type of vehicle	truck
Nr of axles & driving axles	2 x 1
Body type	cargo
Nr of doors	2

General Data

Empty weight	900 kg
Load capacity	on highway 1000 kg
Gross weight	1900 kg
Dimensions: length	4160 mm
width	1520 mm
height	1930 mm
Inside measurements: length	2000 mm
width	1280 mm
height	600 mm
Distance between axles	2275 mm
Distances between wheels:	
front wheels	1250 mm
rear wheels	1250 mm
	108

Minimum ground clearance	200 mm
Front approaching angle	23°
Rear clearing angle	40°

Operational Data

Maximum speed	70 km/h
Maximum gradeability	21%
Maximum fording depth	350 mm
Fuel consumption rate (loaded)	15 liters/100 km
Cruising range (one full tank)	126 km

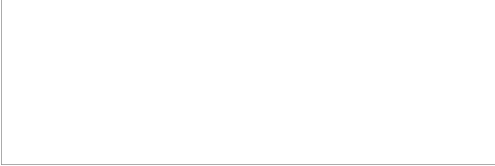
Concise Specifications of the Engine

Maker	Ch'ung Ch'ing Automobile Parts Manufacturing Plant
Model Nr	Hung Yen 1
Type	four-stroke, carburetor type
Nr of cylinder & arrangement	two cylinder in V-shape
Bore and stroke	82 x 115 mm
Displacement	1.215 liter
Maximum power	32 HP
Nr of crank shaft revolutions at maximum power	2800 rpm
Maximum torque	8.5 kg-meter
Cylinders firing order	1-2
Lubrication system	pressure circulation type
Cooling system	air-cooled type

Concise Specifications of the Chassis

Transmission:

speed ratio: first	2.826:1
second	1.496:1
third	1:1
reverse	1.346:1

**Rear end:**

drive line	double-grade speed reduction type
speed reduction ratio	chain wheel 1.35:1
	gear 4.88:1

Wheel:

type	steel disc type
size	16 x 4.50

Tire size	650-16
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Braking system:

foot brake	hydraulic type
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Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery's grounding pole	negative pole
Spark plug	18 mm

Volumes

Engine crank case	2.8 liters
Fuel tank	19 liters
Transmission	2.8 liters
Rear end	1.9 liter



Yang Ch'eng 58-II Model Truck

Maker	Kuang Chou (STC 1684/1558) Automobile Repair Shop of Transportation Bureau, Communication Administration Office, Kuang Tung Province (2307 N/11316E)
Year	June 1958
Model	Yang Ch'eng (STC 5017/1004) 58-II
Engine position	on right side of the driver's seat
Type of vehicle	truck
Nr of axles & driving axles	2 x 1
Body type	open type, the rear gate can be lowered
Nr of doors	2

General Data

Vehicle weight (empty)	1800 kg; on:
front end	600 kg (33.3%)
rear end	1200 kg (66.7%)
Load capacity:	
on highway	2000 kg
on dirt road	2000 kg
Gross weight	3910 kg; on:
front end	1173 kg (30%)
rear end	2737 kg (70%)
Dimensions: length	4900 mm
width	1800 mm
height	1950 mm

Inside measurements:	length	3200 mm
	width	1650 mm
	height	1000 mm
Distance between axles		2500 mm
Distances between wheels:		
	front wheels	1460 mm
	rear wheels	1460 mm
Minimum ground clearances:		
	front end	250 mm
	rear end	250 mm
Front approaching angle		26°
Rear clearing angle		30°

Operational Data

Maximum speed	70 km/h
Economical speed	54 km/h
Minimum turning radius:	
	left front wheel 7.5 meters
	right front wheel 7.36 meters
Maximum gradeability	18%
Fuel consumption rate (loaded)	12 liters/100 km
Cruising range (one full tank)	316 km
Braking distance	on dry highway when speed is 30 km/h, less than 7 meters (the reaction period is not included)

Concise Specifications of the Engine

Maker	Kuang Chou Automobile Repair Shop of the Transportation Bureau, Office of Communication Administration, Kuang Tung Province
Model Nr	Yang Ch'eng 58-I
Type	four-stroke, carburetor type
Nr of cylinder & arrangement	two cylinders in straight line
Bore and stroke	96 x 90 mm
Displacement	1.3 liter

Compression ratio	6:1
Maximum power	36 HP
Nr of crank shaft revolutions at maximum power	3600 rpm
Maximum torque	8.6 kg-meter/2000 rpm
Minimum fuel consumption rate	1.9 g/effective HP-h
Cylinders firing order	1-2
Valve position	overhead
Fuel system:	
fuel filter	copper screen separate-filtering type
fuel pump	diaphragm type
carburetor	down-draft type
air cleaner	dry type
Lubrication system:	pressure circulation type
oil pump	gear type
Cooling system:	forced circulation water-cooled type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
type	three-rail type
gear-shift lever position	on transmission cover
speed ratio: first	5.156:1
second	2.99:1
third	1.824:1
fourth	1:1
reverse	6.19:1
Drive shaft:	
type	open type
amount	2
universal joint, type & amount	rigid type, 2
Rear end:	
drive line & speed reduction ratio	single grade speed reduction type, 6.83:1
axle	full floating type
rear end housing	separate type

Front end	I-beam
Wheel:	
type	steel disc separable type
tire type & size	7.50-16, 12 layers
Frame, type	U-shape steel bar
Suspension:	
front end	leaf spring
rear end	leaf spring
Steering:	
type	worm column gear type
Braking system:	
foot brake	hydraulic type
hand brake	external contraction type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	110 ampere-hour
grounding pole	positive pole
Generator's regulating method	tri-set type regulator
Spark plug:	14 mm

Volume

Engine crank case	4 liters
Cooling system	15 liters
Fuel tank	40 liters
Transmission	2 liters
Rear end	2 liters



Fu Chou Brand Truck

Maker	Local State-operated Fu Chou (STC 4395/1558) Automobile Repair Shop
Year	July 1958
Brand	Fu Chou (STC 4395/1558) brand
Engine position	front
Type of vehicle	truck
Nr of axles & driving axles	2 x 1
Body	cargo
Nr of doors	2

General Data

Load capacity	on highway 3500 kg
Dimensions: length	3500 mm
width	2310 mm
height	1820 mm
Inside measurements: Length	3430 mm
width	2240 mm
height	580 mm
Distance between axles	4200 mm
Distances between wheels:	
front wheels	1490 mm
rear wheels	1620 mm
Minimum ground clearances:	
front end	310 mm
rear end	242 mm

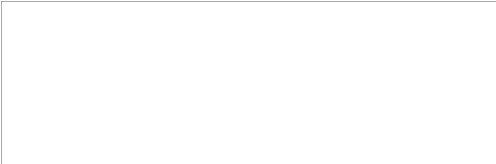
Front approaching angle	33.5°
Rear clearing angle	32°

Operational Data

Maximum speed	70 km/h
Economical speed	40 km/h
Minimum turning radius:	
left front wheel	8.3 meters
right front wheel	7.9 meters
Maximum gradeability	49.9%
Fuel consumption rate (loaded)	33.4 liters/100 km
Cruising range (one full tank)	362 km

Concise Specifications of the Engine

Maker	Local State-operated Fu Chou Automobile Repair Shop
Model Nr	71
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	six cylinders in straight line
Bore and stroke	87.3 x 108 mm
Displacement	3.85 liters
Compression ratio	6.8:1
Maximum power	without governor, 96 HP
Nr of crank shaft revolutions at maximum power	without governor, 3000 rpm
Maximum torque	26 kg-meter/1500 - 2200 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
air cleaner	dry type
Lubrication system:	
type	pressure circulation type
oil pump	gear type
oil filter, type & connection method	changeable cotton filtering wick type, parallel



Cooling system

forced circulation water-cooled type

Concise Specifications of the Chassis

Clutch

single disc dry plate type

Transmission:

three-rail type

gear-shift lever position

on transmission cover

speed ratio: first

6.40:1

second

3.09:1

third

1.69:1

fourth

1.00:1

reverse

7.82:1

Drive shaft:

type

open type

amount

2

universal joint, type &
amount

roller bearing type, 3

Rear end:

drive line speed reduction
ratio

single grade speed reduction type,
6.825

differential

cone-shaped straight-toothed type

axle

full floating type

rear end housing

integral type

front end

I-beam

Wheel:

type

steel plate type

size

20 x 7

Tire, type and size

750-20

Frame, type

grooved steel members

Suspension:

front end

vertical semi-elliptical leaf spring

rear end

vertical semi-elliptical leaf spring

Steering:

type

worm column and fan-shaped gear type

speed ratio

23.2:1


Braking system:

foot brake

hydraulic type

hand brake

mechanical type

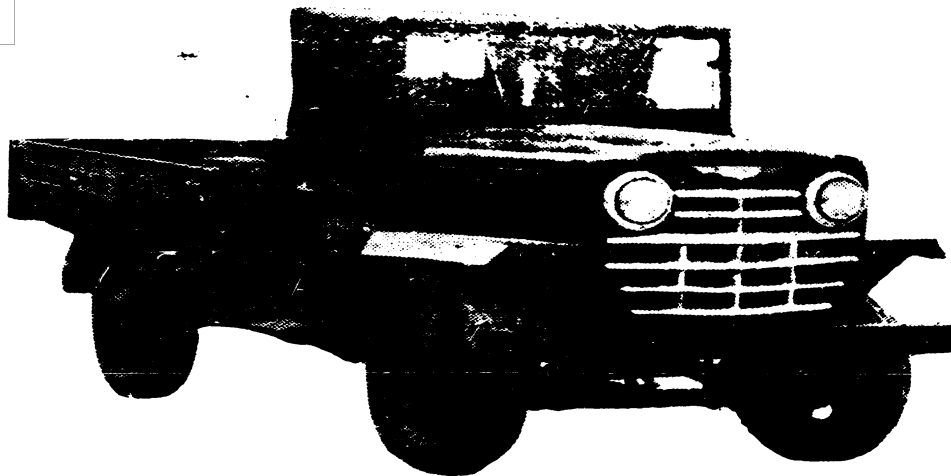


Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	120 ampere-hour
grounding pole	negative pole
Generator:	
maximum output	30 amperes
regulating method	tri-set type regulator
Starter:	
voltage	6 volts
power	0.96 HP
Spark plug	14 mm

Volumes

Engine crank case	4.73 liters
Cooling system	18.45 liters
Fuel tank	121.1 liters
Transmission	2.85 liters
Rear end	4.94 liters



Huang Ho Brand Agricultural
All-Purpose Truck

Maker	Pao T'ou (STC 0545/7333) Automobile Repair Shop
Year	1958
Brand	Huang Ho (STC 7806/3109) brand
Engine position	front
Type of vehicle	agricultural all-purpose truck
Nr of axles & driving axles	2 x 1
Body type	military top

General Data

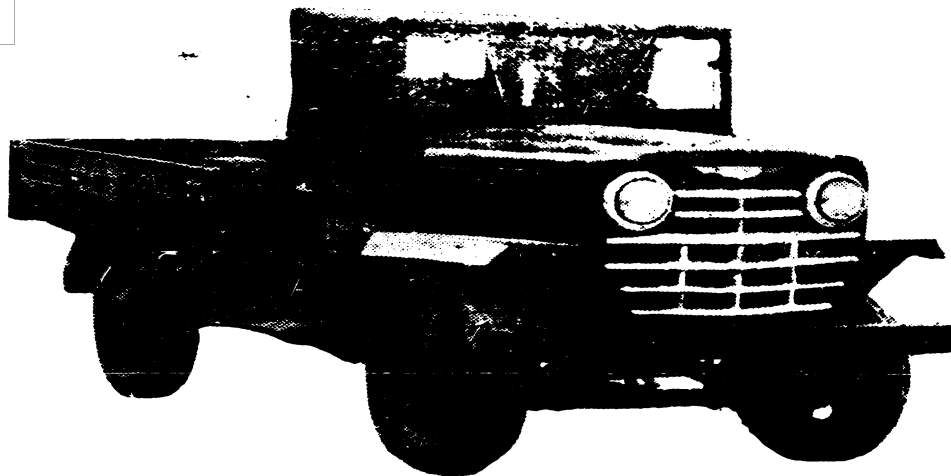
Vehicle weight	1800 kg; on:
front end	600 kg (33%)
rear end	1200 kg (67%)
Load capacity:	
on highway	2000 kg
on dirt road	1500 kg
Nr of seats	2
Gross weight	3800 kg; on:
front end	1300 kg (34.2%)
rear end	2500 kg (65.8%)
Dimensions: length	4570 mm
width	1800 mm
height	2085 mm

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	120 ampere-hour
grounding pole	negative pole
Generator:	
maximum output	30 amperes
regulating method	tri-set type regulator
Starter:	
voltage	6 volts
power	0.96 HP
Spark plug	14 mm

Volumes

Engine crank case	4.73 liters
Cooling system	18.45 liters
Fuel tank	121.1 liters
Transmission	2.85 liters
Rear end	4.94 liters



Huang Ho Brand Agricultural
All-Purpose Truck

Maker	Pao T'ou (STC 0545/7333) Automobile Repair Shop
Year	1958
Brand	Huang Ho (STC 7806/3109) brand
Engine position	front
Type of vehicle	agricultural all-purpose truck
Nr of axles & driving axles	2 x 1
Body type	military top

General Data

Vehicle weight	1800 kg; on:
front end	600 kg (33%)
rear end	1200 kg (67%)
Load capacity:	
on highway	2000 kg
on dirt road	1500 kg
Nr of seats	2
Gross weight	3800 kg; on:
front end	1300 kg (34.2%)
rear end	2500 kg (65.8%)
Dimensions: length	4570 mm
width	1800 mm
height	2085 mm

Distance between axles:

front wheels	1450 mm
rear wheels	1450 mm
Minimum ground clearance:	260 mm
Front approaching angle	29°
Rear clearing angle	33°

Operational Data

Maximum speed	60 km/h
Minimum turning radius	7.5 meters
Maximum gradeability	26°
Fuel consumption rate (loaded)	12 liters/100 km
Cruising range (one full tank)	333 km
Braking distance	on dry highway when speed is 30 km/h, less than 5 meters

Concise Specifications of the Engine

Maker	Pao T'ou Automobile Repair Shop
Type	four-stroke, fuel injection
Nr of cylinder & arrangement	two cylinders
Bore and stroke	115 x 145 mm
Displacement	3 liters
Compression ratio	7.5:1
Maximum power	with governor, 30 HP
Nr of crank shaft revolutions at maximum power	with governor, 2000 rpm
Cylinders firing order	1-2
Valve position	overhead
Combustion chamber	whirl-pool type
Fuel system, spray nozzle, type	D2Z45
Lubrication system	pressure circulation type
Cooling system	pressure circulation water-colling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	three-rail type
gear-shift lever position	on transmission cover
Speed ratio: first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1
Rear end:	
drive line, type & speed reduction ratio	single grade speed reduction type, 6.67:1
Front end	I-beam
Wheels:	
type	steel disc type
size	20 x 6
Tire, type & size	32 x 6
Suspension:	
front end	semi-elliptical leaf spring
rear end	semi-elliptical leaf spring
Steering:	
type	worm colum & fan-shaped gear
speed ratio	23.2:1
Brake system:	
foot brake	hydraulic type

Concise Specifications of the Electric System

Voltage of the whole system	starter 24 volts, others 12 volts
Battery's capacity	135 ampere-hour

Volumes

Engine crank case	12 liters
Cooling system	25 liters
Fuel tank	40 liters
Transmission	3 liters
Differential	1 liter
Rear end	3.5 liters

Ch'ang Chiang-26 Model Truck

Maker	Ch'ung Ch'ing State-Operated Chien She (STC 1696/6080) Machine Plant
Year	1958
Model Nr	Ch'ang Chiang (STC 7022/3068)-26
Engine position	front
Type of vehicle	truck
Nr of axles & driving axles	2 x 1
Body type	flaps on three sides
Nr of doors	2

General Data

Empty weight	2100 kg; on:
front end	1028 kg (49%)
rear end	1072 kg (51%)
Load Capacity:	
on highway	2500 kg
on dirt road	2000 kg
Weight after fully loaded	4420 kg; on:
front end	1299 kg (29.5%)
rear end	3121 kg (70.5%)
Dimensions: length	5200 mm
width	1950 mm
height	2050 mm
Inside measurements: length	3000 mm
width	1850 mm
height	600 mm
Distance between axles	3270 mm
Distances between wheels:	
front wheels	1500 mm
rear wheels	1450 mm
Minimum ground clearances:	
front end	350 mm
rear end	240 mm
Front approaching angle	52°
Rear clearing angle	35°

Operational Data

Maximum speed	78.2 km/h
Minimum turning radius	6.5 meters
Maximum gradeability	17°
Fuel consumption rate (loaded)	17 liters/100 km
Cruising distance (one full tank)	424 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine

Maker	331 Plant
Model Nr	Ch'ang Chiang-37
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	79.37 x 111.12 mm
Displacement	2.2 liters
Compression ratio	7:1
Maximum power	75 HP
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	15.8 kg-meter/2000 rpm
Minimum fuel consumption rate	250 kg/effective HP-h
Cylinders firing order	1-3-4-2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	H.P75
Lubrication system	pressure and splashing combined type
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
gear-shift lever position	three-rail type on transmission cover

speed ratio:	first	6.4:1
	second	3.09:1
	third	1.69:1
	fourth	1:1
	reverse	7.82:1

Rear end:

drive line, type & speed reduction ratio	single grade speed reduction type, 7.6:1
axle	3/4 floating type
rear end housing	separate-type

Front end

I-beam

Wheel:

type	5-hole steel disc type
size	20 x 6

Tire type & size

7.00-20

Suspension:

front end	vertical semi-elliptical leaf spring plus hydraulic type shock absorber
rear end	vertical semi-elliptical leaf spring plus hydraulic type shock absorber and auxiliary spring

Steering speed ratio

18:1

Brake system:

foot brake	hydraulic type
hand brake	mechanical type on rear wheels

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
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Battery:

capacity	90 ampere-hour
grounding pole	positive pole

Generator:

model Nr	G15B
maximum output	18 amperes
regulating method	three-set type regulator

Starter:

model Nr	CTO 8
voltage	12 volts
power	1.8 HP



Distributor, type

centrifugal automatic regulating
type

Spark plug

14 mm

Volumes

Engine crank case

7.5 liters

Cooling system

10.41 liters

Fuel tank

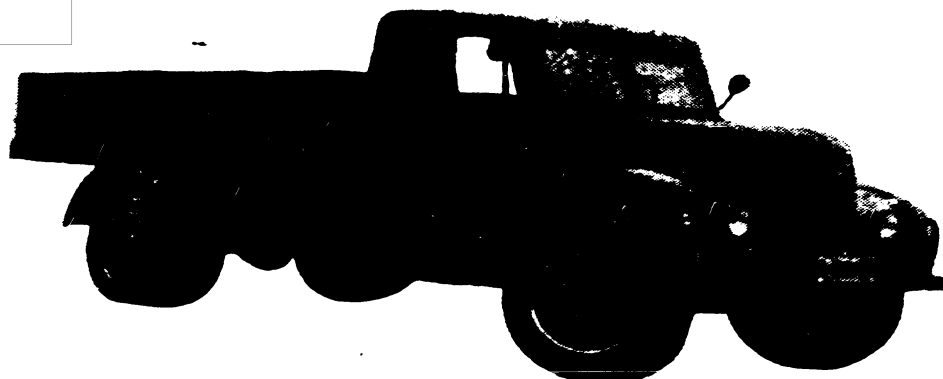
72 liters

Transmission

3 liters

Rear end

3 liters



Ch'ang Chiang-37 Model Truck

Maker	Ch'ien Kuang (STC 2525/0342) Machine Works of Nanking (3203 N/11848E)
Year	1953
Model Nr	Ch'ang Chiang (STC 7022/3068)-37
Engine position	front
Type of vehicle	truck
Nr of axles & driving axles	2 x 1
Body type	flaps on three sides
Nr of doors	2

General Data

Empty weight	2220 kg; on:
front end	1080 kg (48.5%)
rear end	1140 kg (51.5%)
Load capacity:	
on highway	2500 kg
on dirt road	3200 kg
Nr of persons	2
Nr of seats	2
Weight after fully loaded	4720 kg; on:
front end	1400 kg (29.7%)
rear end	3320 kg (70.3%)
Dimensions: length	5220 mm
width	1956 mm
height	2050 mm

Inside measurements:	length	2910 mm
	width	1850 mm
	height	600 mm
Distance between axles		3270 mm
Distance between wheels:		
front wheels		1500 mm
rear wheels		1450 mm
Minimum ground clearance		235 mm
Front approaching angle		53°
Rear clearing angle		35°

Operational Data

Maximum speed	75 km/h
Minimum turning radius	6.5 meter
Maximum gradeability	29%
Fuel consumption rate (loaded)	17 liters/100 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine

Maker	Hsiang Chiang (STC 3276/3068) Machinery Plant
Model Nr	Ch'ang Chiang (STC 7022/3068)-37
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	79.37 x 111.12 mm
Displacement	2.2 liters
Compression ratio	6.9 - 7.0:1
Maximum power	75 HP
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	15.8 kg-meter/2000 rpm
Cylinders firing order	1-3-4-2
Valve position	overhead

Fuel system:

fuel pump	diaphragm type
carburetor, model Nr	231 Model

Lubrication system

pressure circulation type

Cooling system

forced circulation water-cooled type

Concise Specifications of the Chassis**Clutch**

single disc dry plate type

Transmission:

three-rail type

gear-shift lever position on transmission cover

speed ratio: first 6.4:1

second 3.09:1

third 1.69:1

fourth 1:1

reverse 7.82:1

Rear end:

drive line, type and speed reduction ratio single-grade speed reduction type, 7.6:1

axle 3/4 floating type

rear end housing separate-type

Front end

I-beam

Wheels:

type steel disc type

size 20 x 6

Tire, type & size

7.00-20

Suspension:

front end vertical semi-elliptical leaf spring plus shock absorber

rear end vertical semi-elliptical leaf spring plus shock absorber

Steering:


worm column & knuckle arm type

speed ratio 18:1

Brake system:

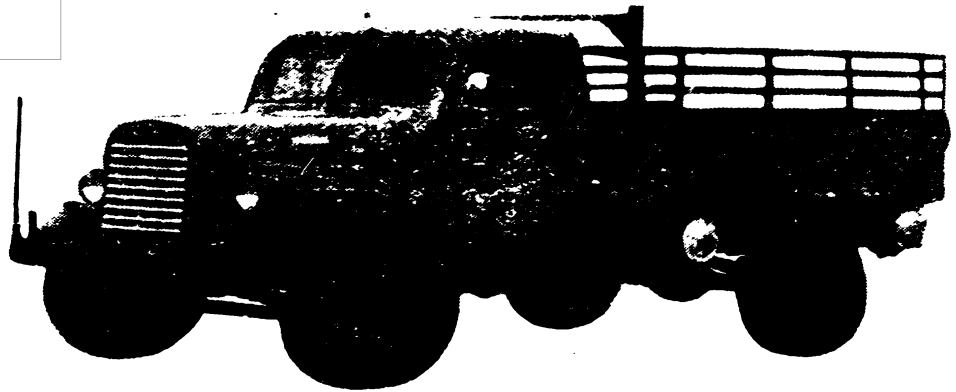
foot brake hydraulic type

hand brake on the rear wheels, mechanically operated



Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery:	
capacity	84 ampere-hour
grounding pole	positive pole
Generator:	
model Nr	G15B
maximum output	18 amperes
regulating method	three-set type regulator
Starter:	
Model Nr	CTO 8
voltage	12 volts
power	1.8 HP
Volumes	
Engine crank case	5.7 liters
Fuel tank	72 liters
Transmission	3 liters
Rear end	3 liters



Lo Yang Brand Truck

Maker	Lo Yang (STC 3157/7122) Automobile Manufacturing Plant
Year	April 1958
Brand	Lo Yang brand
Engine position	front
Type of vehicle	truck
Nr of axles & driving axles	2 x 1
Body	cargo
Nr of doors	2

General Data

Empty weight	1780 kg; on:
front end	712 kg (40%)
rear end	1068 kg (60%)
Load capacity:	
on highway	1750 kg
on dirt road	1500 kg
Weight after fully loaded	3280 kg; on:
front end	820 kg (25%)
rear end	2460 kg (75%)
Dimensions:	
length	4400 mm
width	1700 mm
height	2000 mm
Inside measurements:	
length	3205 mm
width	1690 mm
height	890 mm

Distance between axles	2680 mm
Distance between wheels:	
front wheels	1450 mm
rear wheels	1460 mm
Minimum ground clearance	246 mm
Front approaching angle	46°
Rear clearing angle	43°

Operational Data

Maximum speed	85 km/h
Minimum turning radius	5.9 meters
Maximum gradeability	32%
Maximum fording depth	570 mm
Fuel consumption rate (loaded)	13.5 liters/100 km coal 40 kg/100 km charcoal 20 kg/100 km
Cruising distance (one full tank)	250 km
Braking distance	on dry highway when speed is 40 km/h, less than 5 meters

Concise Specifications of the Engine

Maker	Nan Ching (STC 0589/0070) Automobile Manufacturing Plant
Model Nr	1220
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	82 x 100 mm
Displacement	2.12 liters
Compression ratio	6.2:1
Maximum power	50 HP
Nr of crank shaft revolutions at maximum power	3600 rpm
Maximum torque	12.5 kg-meter/1800 rpm
Minimum fuel consumption rate	265 g/effective HP-h
Cylinders firing order	1-2-4-3

Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type, K-22A
Lubrication system:	pressure & splashing combined type
oil pump	gear type
oil filter	coarse filter and fine filter
Cooling system	forced circulation water-colling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	three-rail type
gear-shift lever position	on transmission cover
speed ratio: first	6.4:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1
Drive shaft:	
type	open type
amount	1
universal joint	2
Rear end:	
drive line, type & speed reduction ratio	single grade speed reduction type, 6.67:1
differential	cone-shaped straight toothed type
rear end housing	separate-type
Front end	I-beam
Wheels:	
type	steel disc type
Tire, type & size	7.50-16
Suspension:	
front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptical leaf spring

Steering:	worm colum & fan-gear type
speed ratio	23.2:1
Brake system:	
foot brake	hydraulic type
hand brake	disc type, mechanically operated

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery:	
capacity	50 ampere-hour
grounding pole	positive pole
Generator:	
model Nr	G-20
maximum output	18 amperes
regulating method	three-set type regulator
Starter:	
model Nr	CT-9
voltage	12 volts
Ignition coil, model	Hu Kung (STC 3337/1562)
Spark plug	18 mm

Volumes

Engine crank case	6 liters
Cooling system	10.5 liters
Fuel tank	35 liters
Transmission	3.39 liters
Rear end	2.5 liters

Inside measurements:	length	4267 mm
	width	2312 mm
	height	737 mm
Distance between axles		3708 mm
Distance between wheels:		
	front wheels	1727 mm
	rear wheels	1778 mm
Minimum ground clearance		277 mm
Front approaching angle		10°
Rear clearing angle		18.5°

Operational Data

Maximum speed	60 km/h
Minimum turning radius	7.6 meters
Maximum gradeability	34.2%
Maximum fording depth	432 mm
Fuel consumption rate (loaded)	24 liters/100 km
Cruising distance (one full tank)	400 km

Concise Specifications of the Engine

Maker	Cargo Car Repair Shop of the Shanghai Municipal Communication & Transportation Bureau
Model Nr	Chiao Tung brand 58-1
Nr of cylinders and arrangement	six-cylinder, straight line
Bore and stroke	90.49 x 114.3 mm
Displacement	4.413 liters
Compression ratio	6.3:1
Maximum power	with governor, 103 HP
Nr of crank shaft revolutions at maximum speed	3000 rpm (with governor)
Maximum torque	30.64 kg/meter/800 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	overhead

Fuel system:

fuel pump
carburetor

diaphragm type
down-draft type

Lubrication system:

oil pump

pressure circulation type
gear type

Cooling system

pressure circulation water-cooling
type

Concise Specifications of the Chassis**Clutch**

single disc dry plate type

Transmission:

type
gear-shift lever position

three-rail type
on transmission cover

speed ratio: first
second
third
fourth
fifth
reverse

6.525:1
3.722:1
1.925:1
1:1
0.823:1
6.38:1

Rear end:

drive line, type &
speed reduction ratio

single grade speed reduction type,
7.16:1

Front end

I-beam

Wheels:

type
size

6-hole steel disc type
20 x 7

Tire, type & size

8.25-20, 12 layers

Suspension:

front end
rear end

vertical semi-elliptical leaf spring
vertical semi-elliptical leaf spring
plus auxiliary spring

Steering:

type
speed ratio

Ball double-ring shaped screw type
23.6:1

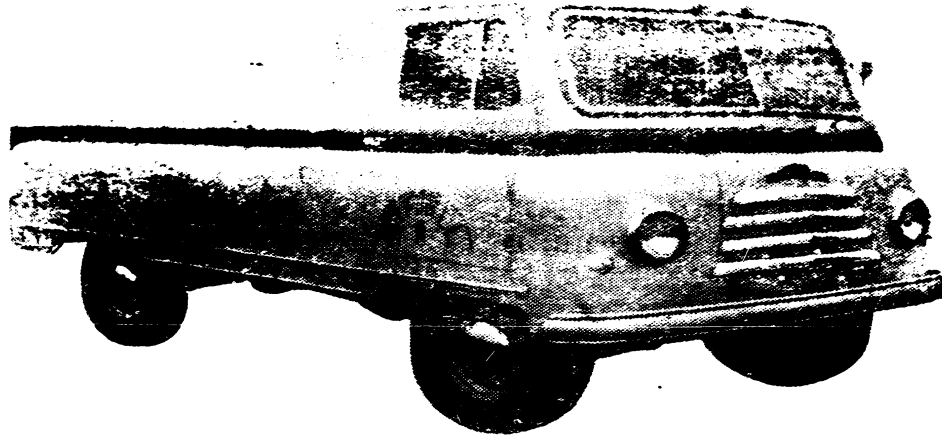
Brake system, type

foot brake
hand brake

hydraulic type, with vacuum auxiliary
device
mechanical type

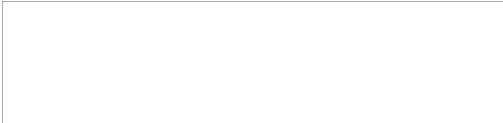
Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	155 ampere-hour
grounding pole	negative pole
Generator:	
model Nr	national product GEG-5101
maximum output	40 amperes
regulating method & regulator's model Nr	three-set type regulator, national product PVAG-56
Starter:	
model Nr	Chiao Tung brand 58-1
voltage	6 volts
Distributor's model Nr	national product, A 511101
Ignition coil type	national product globe brand 6-volt common type
Spark plug	14 mm
Volumes	
Engine crank case	6.85 liters
Carburetor's air cleaner	0.6 liter
Cooling system	22 liters
Fuel tank	95 liters
Transmission	5.2 liters
Rear end	3.1 liters



Hei Lung Chiang Nr 1 Truck

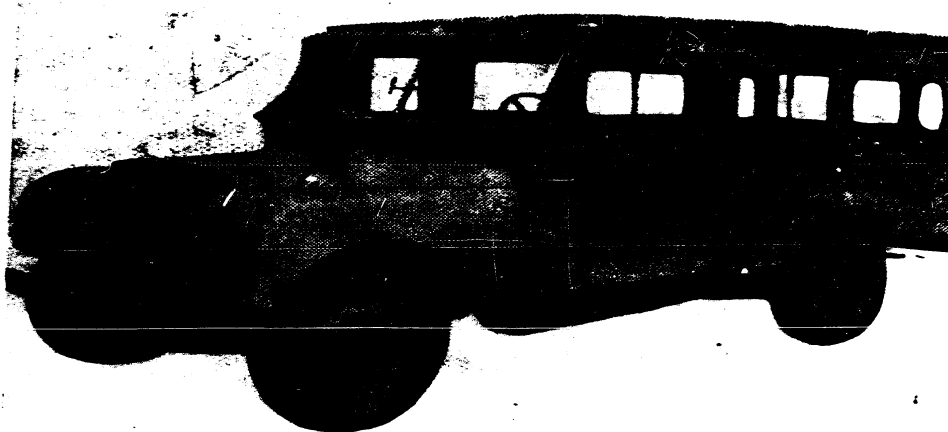
Maker	Joint State-Private Red Star Automobile Repair Shop of Ch'i-ch'i- ha-erh (4722N/12357E), Hei Lung Chiang Province
Year	1958
Model Nr	Hei Lung Chiang (STC 7815/7893/3068) Nr 1
Type of vehicle	truck
Body type	cargo
Nr of doors	2
Load capacity	1500 kg
Usage	for agricultural transporting and rural mail delivery



Cheng Feng Brand Truck

Maker	The Repair System of the Shanghai Municipal Communication and Transportation Bureau
Year	1958
Type of vehicle	light truck
Load capacity	1500 kg

3. Cross Country VEHICLES



Hung Ch'i Brand Travel-Type Cross Country Truck

Maker	Wu Han (STC 2976/3352) Automobile Manufacturing Plant
Year	June 1958
Brand	Hung Ch'i (STC 4767/2475) brand
Engine position	front
Nr of axles & driving axles	2 x 2
Body type	closed type (may be opened)
Nr of doors	5

General Data

Empty weight	1569 kg
Load capacity:	on highway 125 kg on dirt road 592 kg
Nr of passengers carried	10
Nr of seats	10
Weight after fully loaded	2294 kg 2164 kg
Dimensions: length	4410 mm
width	1590 mm
height	1980 mm
Inside measurements: length	1930 mm (without driver's cabin)
width	1450 mm
height	1210 mm

Distance between axles	2720 mm
Wheel distances: front wheels	1270 mm
rear wheels	1270 mm
Minimum ground clearances:	
front end	197 mm
rear end	182 mm
Front approaching angle	44°20'
Rear clearing angle	29°52'

Operational Data

Maximum speed	87.5 km/h
Minimum turning radius	1.463 - 1.492 meters
Maximum gradeability	30°
Fuel consumption rate (loaded)	10 - 12 liters/100 km
Cruising distance (one full tank)	380 - 460 km

Concise Specifications of the Engine

Maker	Wu Han Automobile Manufacturing Plant
Type	four-stroke, carburetor type
Nr of cylinder & arrangement	four-cylinder, straight line
Bore and stroke	77.8 x 105 mm
Displacement	1.997 liter
Compression ratio	6.7 - 6.9:1
Maximum power	with governor 52 HP
Nr of crank shaft revolutions at maximum power	with governor, 4000 rpm
Maximum torque	14 kg-meter/1500 rpm
Cylinders firing order	1-3-4-2
Valve position	intake valves-overhead exhaust valves-underneath
Fuel system:	
fuel filter	filter screen & precipitation cup type
fuel pump	electrically operated type
carburetor	balanced type
air cleaner	oil bath type

Lubrication system:

oil pump
oil filter, type &
connection method

pressure circulation type
external gear type
porous metallic plate & palm tree
fibers are placed in the filter,
without attached fine filter

Cooling system:

forced circulation water-cooling type

Concise Specifications of the Chassis**Clutch**

single disc dry plate type

Transmission:**Gear-shift lever position**

on transmission cover

speed ratio: first
second
third
fourth
reverse

2.996:1
2.043:1
1.377:1
1:1
2.547:1

Transfer case speed ratio:

low gear
high gear

2.888:1
1.148:1

Drive shaft:

amount
universal joint, type &
amount

open type
2
roller bearing type, 4

Rear end:

drive line, type & speed
reduction ratio
differential
axle
rear end housing

single grade, speed reduction type,
4.7:1
cone-shaped straight-toothed type
semi-floating type
integral type

Front end:

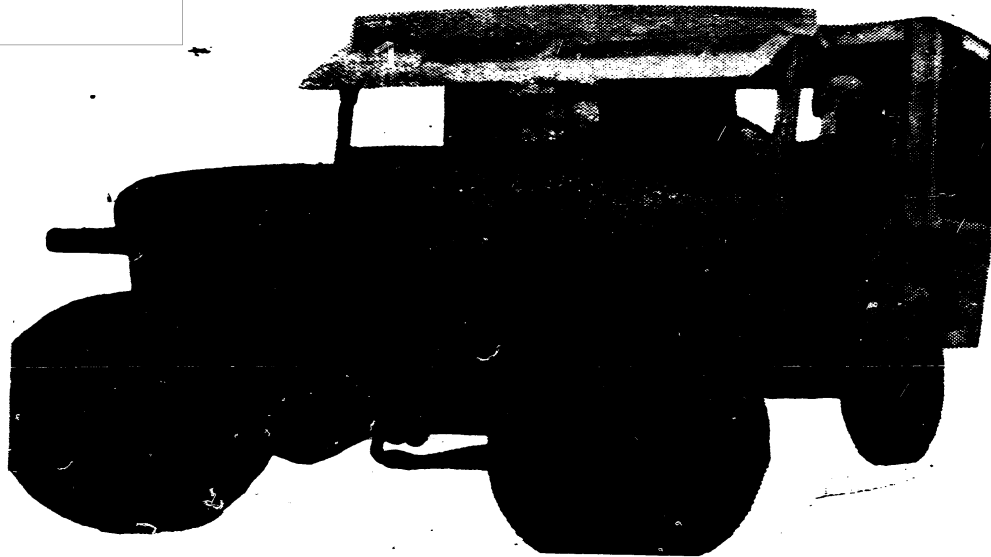
drive line type & speed
reduction ratio
differential
axle
front end housing

drive type
single grade, speed reduction type,
4.7:1
cone-shaped, straight-toothed type
semi-floating type
integral type (two halves welded
together with reinforced rings)

Wheel	steel disc type
Tire, type & size	7.00-16
Frame	side member type (vertical and transverse members are all made of rectangular steel tubes)
Suspension:	
front end	semi-elliptical leaf spring
rear end	semi-elliptical leaf spring
Steering	worm column, nuts & fan-gear type
Brake system:	
foot brake	hydraulic type
hand brake	shoe type (with one common fixed supporting point)

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery:	
capacity	51 ampere-hour
grounding pole	negative pole
Generator's regulator:	
model Nr	PP-12
Spark plug	14 mm
Volumes	
Fuel tank	46 liters



Hung Ch'i Brand Cross Country Truck

Maker	Tung Yung (STC 6639/3938) Machine Works of Fu Chou (2605N/11919E)
Year	July 1958
Brand	Hung Ch'i (STC 4767/2475) brand
Engine position	front
Type of vehicle	cross country truck
Nr of axles & driving axles	2 x 2
Nr of doors	4

General Data

Empty weight	1140 kg; on:
front end	570 kg (50%)
rear end	570 kg (50%)
Load capacity:	
on highway	500 kg
on dirt road	450 kg
Nr of persons	8 - 10
Nr of seats	8
Weight after fully loaded	1640 kg; on:
front end	640 kg (39%)
rear end	1000 kg (61%)

Dimensions:	length	3632 mm
	width	1626 mm
	height	1829 mm
Inside measurements:	length	2000 mm
	width	1400 mm
	height	1200 mm
Minumum ground clearance		222 mm
Front approaching angle		45°
Rear clearing angle		35°

Operational Data

Maximum speed	144 km/h
Minimum turning radius	5.3 meters
Maximum gradeability	60%
Maximum fording depth	457 mm
Fuel consumption rate (loaded)	12 liters/100 km
Cruising distance (one full tank)	158 km

Concise Specifications of the Engine

Maker	Tung Yung Machine Works of Fu Chan
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	79.37 x 111.12 mm
Displacement	2.2 liters
Compression ratio	6.48:1
Maximum power	54 HP
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	13.5 kg-meter/2000 rpm
Cylinders firing order	1-3-4-2
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type

Lubrication system:	pressure circulation type
oil pump	gear type
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	two-rail type
gear shift lever position	on transmission cover
speed ratio: first	2.665:1
second	1.564:1
third	1:1
reverse	3.554:1
Transfer case	
speed ratio: low gear	1.97:1
high gear	1:1
Drive shaft	
type	open type
amount	2
universal joint, type & amount	roller bearing, 4
Rear end:	
drive line & speed reduction ratio	single grade speed reduction type, 4.88:1
differential	cone-shape straight-toothed type
axle	floating type
rear and housing	separate type
Front end:	
drive line, type & speed reduction ratio	single grade speed reduction type, 4.88:1
differential	cone-shaped straight-toothed type
axle	floating type
front end housing	separate type
Wheels:	
type	steel disc type
size	16 x 4.50
Tire size	6.00-16

Suspension:

front end

vertical semi-elliptical leaf spring
with hydraulic type shock absorber

rear end

vertical semi-elliptical leaf spring
with hydraulic type shock absorber**Steering:**

type

worm column & double knuckle arm type

speed ratio

12:1

Brake system:

foot brake

hydraulic type

hand brake

mechanical type

Concise Specifications of the Electric System

Voltage of the whole system

6 volts

Buttery: grounding pole

negative pole

Generator:

model Nr

national product GEG-5101

maximum output

40 amperes

Regulating method & regulator's
model Nrthree-set type regulator, national
product VRY-4203A

Starter, model Nr

national product MZ-4113

Spark plug

14 mm

Volumes

Engine crank case

3.8 liters

Cooling system

10 liters

Fuel tank

19 liters

Transmission

0.47 liter

Transfer case

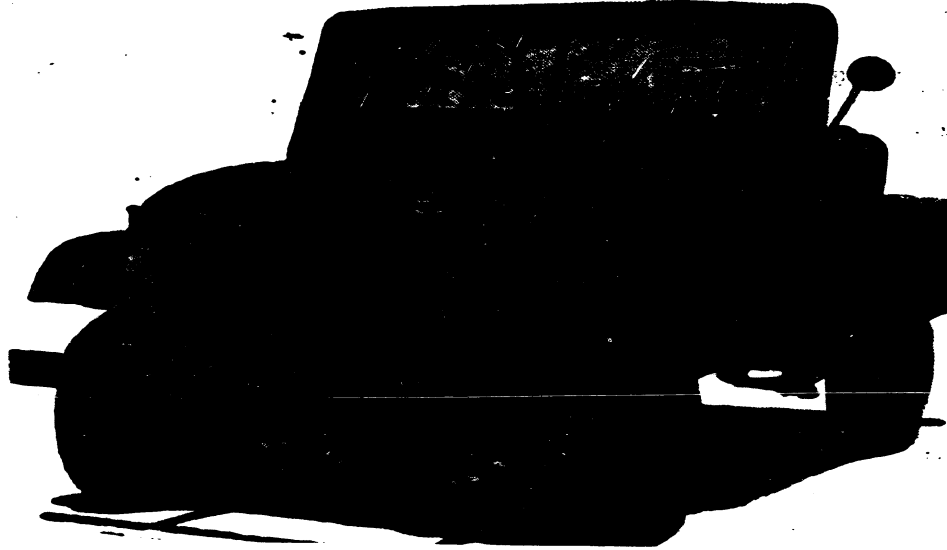
1.42 liter

Rear end

1.08 liter

Front end

1.08 liter



Ch'ang Chiang-46 Model Cross Country Truck

Maker	State-Operated Wang Chiang (STC 2598/3068) Machine Works of Ch'ung Ch'ing
Year	April 1958
Model Nr	Ch'ang Chiang (STC 7022/3068)-46
Engine position	front
Type of vehicle	cross country truck
Nr of axles & driving axles	2 x 2
Body	canvas top type
Nr of doors	2

General Data

Empty weight	1150 kg; on:
front end	598 kg (52%)
rear end	552 kg (48%)
Load capacity:	on highway 510 kg
Persons	6
Nr of seats	5
Weight after fully loaded	1660 kg
Dimensions: length	3486 mm
width	1504 mm
height	1720 mm

Distance between axles	2057.4 mm
Distance between wheels:	
front wheels	1250 mm
rear wheels	1230 mm

Operational Data

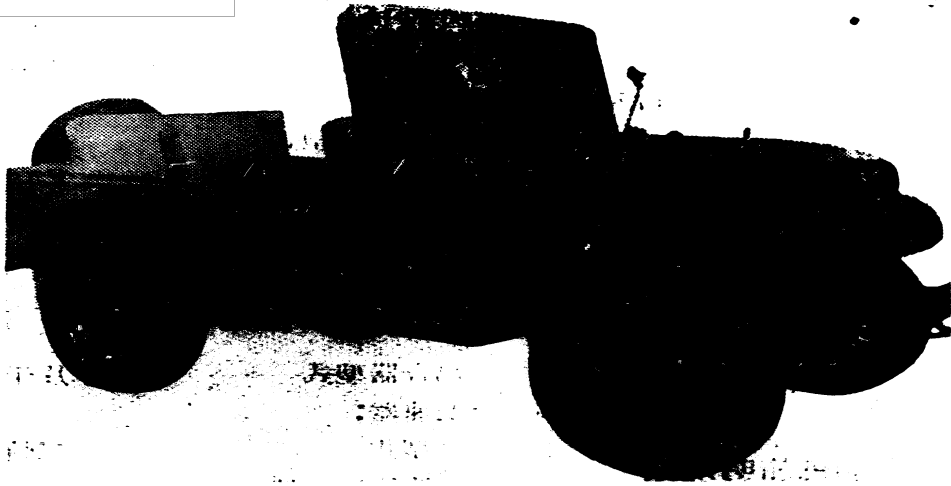
Maximum speed	120 km/h
Minimum turning radius	5.5 meters
Maximum gradeability	70%

Concise Specifications of the Engine

Maker	Hsiang Chiang (STC 3276/3068) Machine Works
Model Nr	Ch'ang Chiang-46
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	79.37 x 111.12 mm
Displacement	2.2 liters
Compression ratio	6.9:1
Maximum power	75 HP
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	15.8 kg-meter/2000 rpm
Cylinders firing order	1-3-4-2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor, type & model Nr	down-draft type, FA231
Lubrication system	pressure circulation type
Cooling system	pressure circulation water-colling type

Concise Specifications of the Chassis

Clutch		single disc dry plate type
Transmission:		two-rail type
speed ratio:	first	2.798:1
	second	1.55 :1
	third	1:1
	reverse	3.797:1
Transfer case:		
speed ratio:	low gear	2.465:1
	high gear	1:1
Rear end:		
	drive line, type & speed reduction ratio	single grade speed reduction type, 5.39:1
Front end:		
	type	drive type
	drive line, type & speed reduction ratio	single-grade speed reduction type, 5.39:1



Ch'ang Chiang-46 Model Cross Country Truck

Maker	State-Operated Chang An (STC 7022/ 1344) Machine Works of Ch'ung Ch'ing
Year	May 1958
Model Nr	Ch'ang Chiang-46
Engine position	front
Type of vehicle	cross country truck
Nr of axles & driving axles	2 x 2
Body	canvas top type
Nr of doors	3

General Data

Empty weight	1150 kg; on:
front end	598 kg (52%)
rear end	552 kg (48%)
Load capacity	on highway 440 kg
Persons	6
Nr of seats	5
Weight after fully loaded	1590 kg; on:
front end	615 kg (38%)
rear end	975 kg (62%)
Dimensions: length	3486 mm
width	1405 mm
height	1720 mm

Distance between axles	2057.4 mm
Distance between wheels:	
front wheels	1264 mm
rear wheels	1251 mm
Minimum ground clearances:	
front end	200 mm
rear end	200 mm

Operational Data

Maximum speed	115 km/h
Minimum turning radius	5.5 meters

Concise Specifications of the Engine

Maker	Hsiang Chiang (STC 2370/3068) Machine Works
Model Nr	Ch'ang Chiang-46
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	79.37 x 111.12 mm
Displacement	2.2 liters
Compression ratio	6.9:1
Maximum power	75 HP
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	15.8 kg-meter/2000 rpm
Minimum fuel consumption rate	248 - 250 g/effective HP-hour
Cylinders firing order	1-3-4-2
Valve position	overhead
Fuel system:	
fuel pump, type & model Nr	diaphragm type, FA262
carburetor model Nr	FA231
air cleaner	combined type
Lubrication system	pressure and splashing combined type
Cooling system	forced circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	two rail type
speed ratio: first	2.798:1
second	1.551:1
third	1:1
reverse	3.797:1
Transfer case:	two-speed type
Rear end:	
drive line, type & speed reduction ratio	single speed reduction type, 5.375:1
axle	floating type
Front end:	
drive line, type & speed reduction ratio	single speed reduction type, 5.375:1
axle	floating type
Tire size	6.00-16
Suspension:	
front end	semi-elliptical leaf spring with tubular shock absorber
rear end	semi-elliptical leaf spring with tubular shock absorber
Steering:	
speed ratio	12:1
Brake system:	
foot brake	hydraulic type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	98 ampere-hour
grounding	negative pole
Spark plug	14 mm



Shang Hai-58 Model Cross Country Truck

Maker	Shang Hai (STC 0006/3189) Automobile Assembling Plant
Year	Jan 1958
Model Nr	Shang Hai-58
Engine position	front
Type of vehicle	cross country truck
Nr of axles & driving axles	2 x 2
Nr of doors	2

General Data

Empty weight	1185 kg
Load capacity	on highway 500 kg
Persons	6
Weight after fully loaded	1685 kg
Dimensions: length	3550 mm
width	1460 mm
height	1900 mm
Inside measurements: length	1800 mm
width	1400 mm
height	1200 - 1250 mm

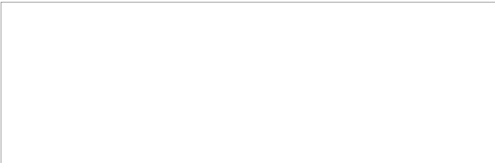
Distance between axles	2060 mm
Distance between wheels:	
front wheels	1260 mm
rear wheels	1260 mm
Minimum ground clearance	both ends 220 mm
Front approaching angle	45°
Rear clearing angle	35°

Operational Data

Maximum speed	100 km/h
Economical speed	45 km/h
Minimum turning radius	4.4 meters
Maximum gradeability	58%
Maximum fording depth	635 mm
Fuel consumption rate (loaded)	11 - 14 liters/100 km
Cruising distance (one full tank)	400 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine

Maker	Nan Ching (STC 1589/0079) Automobile Manufacturing Plant
Model Nr	1220
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	82 x 100 mm
Displacement	2.12 liters
Compression ratio	6.2
Maximum power	50 HP
Nr of crank shaft revolution at maximum power	3600 rpm
Maximum torque	12.5 kg-meter/1800 rpm
Cylinders firing order	1-2-4-3
Valve position	valve-in-side


Fuel system:

fuel filter

metal plate type

fuel pump

diaphragm type

carburetor, type &
model Nr

down-draft type, K-22A

air cleaner

oil bath type

Lubrication system:

oil pump

pressure circulation & splashing type

oil filter, type &
connection method

gear type

screen filter installed in front of
the pump inlet (inside the floating
type oil-inhaler), coarse filters in
series, fine filters in parallel**Cooling system**

water-cooling type

Concise Specifications of the Chassis**Clutch**

single disc dry plate type

Transmission:

two-rail type, with synchronizer

gear-shift lever position

on transmission cover

speed ratio: first

2.665:1

second

1.564:1

third

1:1

reverse

3.554:1

Transfer case:

low gear

1.97:1

high gear

1.10:1

Drive shaft:

open type

amount

2

universal joint, type
& amount

roller bearing type, 4

Rear end:drive line, type & speed
reduction ratiosingle grade speed reduction type,
4.88:1

differential


cone-shaped straight-toothed type

axle

floating type

rear end housing

integral type


Front end:drive line, type & speed
reduction ratio

differential

axle

front end housing

Wheels: type

size

Tire type & size

Suspension:

front end

rear end

Steering:

type

speed ratio

Brake system:

foot brake

hand brake

drive type

single-grade speed reduction type
4.88:1

cone-shaped straight-toothed type

floating type

integral type

steel disc type

16 x 4.00E

6.00-16

semi-elliptical leaf spring plus
double-action fold type shock absorbersemi-elliptical leaf spring plus
double-action fold type shock absorber

worm column & double-knuckle type

14:1

hydraulic type

external contracting type, operated
with cord and lever

Concise Specifications of the Electric System

Voltage of the whole system

12 volts

Battery:

grounding pole

positive

capacity

54 ampere-hour

Generator:

maximum output

220 watts

regulating method &
regulator's model Nr

three-set type regulator, PP12-B

Starter:

type

one way pulley, mechanical push

voltage

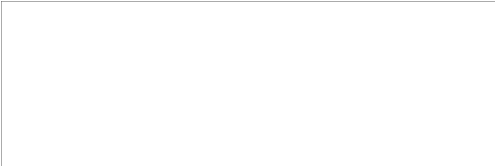
12 volts

power

1.8 HP

Distributor, type

automatic & vacuum regulating



Ignition coil, model Nr

B-18, B-21, Tung Yung (STC 6639/3938)
type

Spark plug

18 mm

Volumes

Engine crank case

6 liters

Carburetor's air cleaner

0.25 liter

Cooling system

105 liters

Fuel tank

45 liters

Transmission

0.95 liter

Transfer case

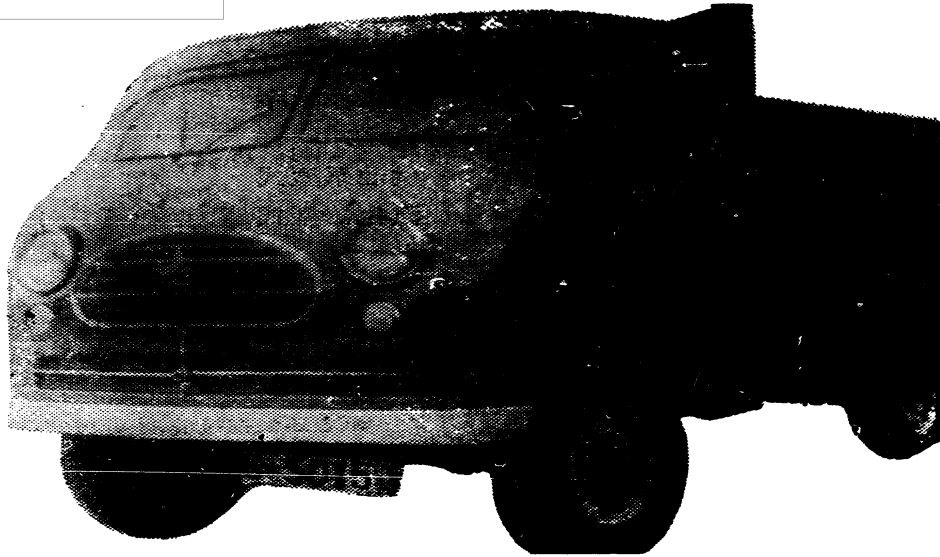
1.42 liter

Rear end

1.18 liter

Front end

1.18 liter



Shang You Brand Cross Country Truck

Maker	North West Automobile Parts Repair Shop of Hsian (3416N/10854E)
Year	1958
Brand	Shang You (STC 0006/3266) brand
Engine position	on right side of driver's seat
Type of vehicle	cross country truck
Nr of axles & driving axles	2 x 2
Body type	cargo, flaps on three sides
Nr of doors	2

General Data

Load capacity	on highway 1500 kg
Dimension: length	4000 mm
width	1700 mm
height	1700 mm
Inside measurement: length	2500 mm
width	1700 mm
height	1200 mm
Distance between axles	2500 mm

Distance between wheels:

front wheels	1580 mm
rear wheels	1580 mm
Minimum ground clearance	rear end 200 mm

Operational Data

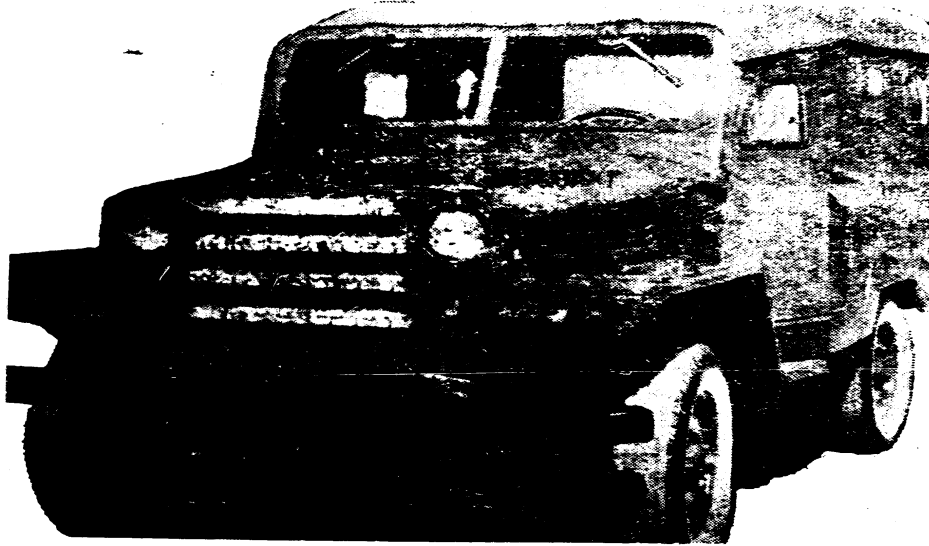
Maximum speed	60 km/h
Fuel consumption rate (loaded)	18 liters/100 km

Concise Specifications of the Engine

Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	79.37 x 111.12 mm
Displacement	2.2 liters
Compression ratio	6.9:1
Maximum power	without governor, 75 HP
Nr of crank shaft revolutions at maximum power	without governor 4000 rpm
Maximum torque	15 kg-meter/2000 rpm
Cylinders firing order	1-3-4-2
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type

Remarks

1. There is generator installed inside the truck which can supply power for movies, plays and field survey where there is no other power sources.
2. It was equipment for towing agricultural machines. It can tow two sets of 30 cm two-bladed ploughs and till a depth of 16.5 cm.
3. The generator can also supply power for mills, pumps, etc.



Huang Ho Brand CH-04 Cross Country Truck

Maker	Chi Nan (STC 3444/0589) Automobile Manufacturing Plant
Year	1958
Brand & model	Huang Ho (STC 7806/3109) brand CH-04
Engine position	front
Type of vehicle	cross country truck
Nr of axles & driving axles	2 x 2
Body type	iron cargo truck with canvas top
Nr of doors	2 in front, 1 in rear

General Data

Empty weight	1525 kg; on:
front end	860 kg (56.57%)
rear end	660 kg (43.43%)
Load capacity	on dirt road 8 persons or 2 persons plus 500 kg cargo
Persons	8
Nr of seats	8
Weight after fully loaded	2175 kg; on:
front end	940 kg (43.21%)
rear end	1235 kg (56.79%)

Dimension:	length	3850 mm
	width	1850 mm
	height	2030 mm
Inside measurement:	length	1500 mm
	width	1680 mm
	height	500 mm
Distance between axles		2300 mm
Distances between wheels:		
	front	1440 mm
	rear	1440 mm
Minimum ground clearance (loaded)		210 mm
Front approaching angle		45°
Rear clearing angle		35°

Operational Data

Maximum speed	90 km/h
Minimum turning radius	9 meters
Maximum gradeability:	
	without trailer 30°
	with trailer 20°
Fuel consumption rate (loaded):	
	without trailer 15 liters/100 km
	with trailer 20 liters/100 km
Cruising distance (one full tank):	
	without trailer 320 km
	with trailer 240 km
Braking distance	on dry highway, when speed is 30 km/h, less than 14 meters


Concise Specifications of the Engine

Maker	Nan Ching (STC 0589/0079) Automobile Manufacturing Plant
Model Nr	CN 050
Type	four-stroke, carburetor type
Nr of cylinders & arrangement:	four-cylinder, straight line

Bore and stroke	82 x 100 mm
Displacement	2.12 liters
Compression ratio	6.2:1
Maximum power	52 HP
Nr of crank shaft revolutions at maximum power	3600 rpm
Maximum torque	12.5 kg-meter/2100 rpm
Minimum fuel consumption rate	240 g/effective HP-hour
Cylinders firing order	1-2-4-3
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
Lubrication system:	pressure & splashing combined type
oil pump	gear type
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
type	two-rail type
speed ratio: first	3.115:1
second	1.772:1
third	1:1
reverse	3.783:1
Transfer case	double-speed type
Rear end:	
drive line: type	single grade, speed reduction type
ratio	5.125:1
axle	floating type
Front end:	
type	drive type

	
drive line:	
type	single grade speed reduction type
speed reduction ratio	5.125:1
axle	floating type
Wheel	five-hole steel disc type
Tire size	6.50-16
Suspension:	
front end	vertical semi-elliptical leaf spring plus shock absorber
rear bridge	vertical semi-elliptical leaf spring plus shock absorber
Steering:	
type	spherical worm column and double roller type
speed ratio	18.2:1
Brake system:	
foot brake	hydraulic type
hand brake	mechanical type, behind transfer case

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery:	
capacity	54 ampere-hour
grounding pole	positive pole
Generator:	
model Nr	G-20
maximum	18 amperes
regulating method	three-set type regulator
Starter:	
model Nr	CT-20
voltage	12 volts
power	1.8 HP
Distributor, model Nr	P-23

Spark plug:

model Nr	HM-12/12AJ
diameter at thread end	18 mm

Volumes

Engine crank case	6 liters
Cooling system	12 liters
Fuel tank	48 liters
Transmission	0.8 liter
Transfer case	1.1 liter
Rear end	0.75 liter

**Yao Chin Brand CN-320 Model
Cross Country Truck**

Maker	Nan Ching (STC 0589/0079) Automobile Manufacturing Plant
Year	1958
Brand & model	Yao Chin (STC 6460/6651) brand, CN-320
Engine position	front
Type of vehicle	cross country truck
Nr of axles driving axles	2 x 2
Body type	fence flaps on three sides
Nr of doors	2

General Data

Empty weight:	3280 kg
front end	1650 kg (50.2%)
rear end	1630 kg (49.8%)
Load capacity:	
on highway	2000 kg
on dirt road	2000 kg
Weight after fully loaded	5420 kg
front end	2010 kg (37%)
rear end	3410 kg (63%)

Dimension:

length	5525 mm
width	2200 mm
height	2185 mm

Inside measurement:

length	2940 mm
width	1990 mm
height	850 mm

Distance between axles	3300 mm
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Distances between wheels:

front wheels	1600 mm
rear wheels	1600 mm

Minimum ground clearance	270 mm
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Front approaching angle	48°
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Rear clearing angle	35°
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Operational Data

Maximum speed	65 km/h
Minimum turning radius	8.5 meters
Fuel consumption rate (loaded):	25 liters/100 km
Cruising distance (one full tank)	780 km

Concise Specifications of the Engine

Maker	Nan Ching Automobile Manufacturing Plant
Model Nr	CN-070
Type	four-stroke, carburetor type
Nr of cylinder & arrangement:	six-cylinder, straight line
Bore and stroke	82 x 110 mm
Displacement:	3.48 liters
Compression ratio	6.2:1
Maximum power	with governor, 70 HP
Nr of crank shaft revolutions at maximum power	with governor 2800 rpm

Maximum torque	20.5 kg-meter/1600 rpm
Minimum fuel consumption rate	245 g/effective HP-hour
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
Lubrication system:	
type	pressure and splashing combined type
oil pump	gear type
Cooling system	forced circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
type	three-rail type
gear shift lever position	on transmission cover
speed ratio: first	6.4 :1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1
Transfer case	two speed type
Drive shaft:	
type	open type
amount	2
universal joint, amount & type	roller bearing type, 3
Rear end:	
drive shaft: type	single grade speed reduction type
speed reduction ratio	7.6:1
differential	cone-shaped straight-toothed type
axle	floating type

	rear end housing	separate type
Front end:		
	type	drive type
	drive line: type	single grade, speed reduction type
	speed reduction ratio	7.6:1
	differential	cone-shaped straight-toothed type
	axle	floating type
	front end housing	separate type
Wheel: type		steel disc type
	size	8 x 18
Tire size		9.75-18
Suspension:		
	front end	semi-elliptical leaf spring plus two-way hydraulic shock absorber
	rear end	semi-elliptical leaf spring plus auxiliary spring
Steering: type		worm column & roller type
	speed ratio	20.5:1
Brake system:		
	foot brake	hydraulic type
	hand brake	plate type, behind transfer case

Concise Specifications of the Electric System

Voltage of the whole system	12 volts
Battery:	
capacity	18 ampere-hour
grounding pole	positive pole
Generator:	
model Nr	G-21
maximum output	18 amperes
regulating method & regulator's model Nr	three-set type regulator, PP-12

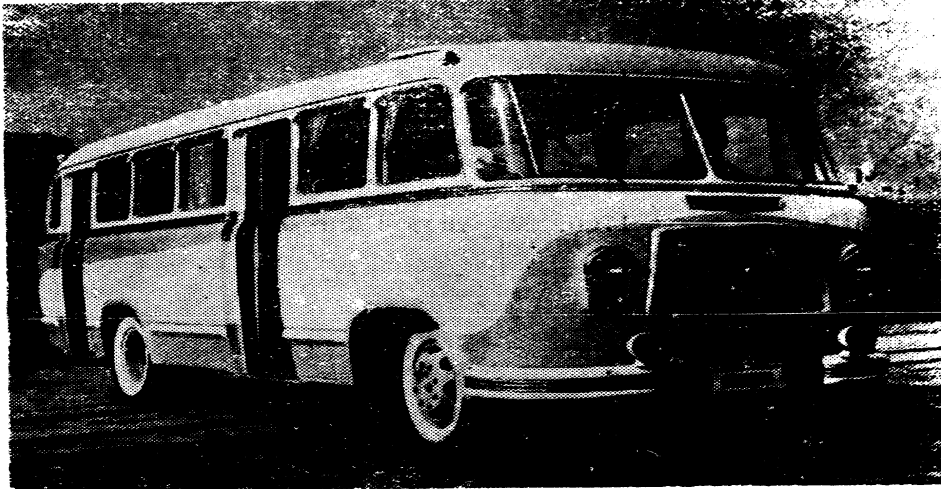


Starter:

model Nr	CT-8
voltage	12 volts
power	1.8 HP
Distributor's model Nr	P-20
Spark plug	18 mm

Volumes

Engine crank case	7 liters
Cooling system	14.5 liters
Fuel tank	195 liters
Transmission	3.3 liters
Transfer case	1.8 liter
Rear end	2.8 liters
Front end	2.8 liters
Brake fluid	0.5 liter

4. BUSES

Chung Hua Brand Chin Lung BJ581 Model Bus

Maker	Pei Ching (STC 0554/0079) Automobile Manufacturing Plant
Year	April 1958
Brand & model	Chung Hua (STC 0022/5478) brand Chin Lung (STC 6855/7893) BJ581
Engine position	right side of driver's seat
Type of vehicle	bus
Nr of axles driving axles	2 x 1
Body type	all metal trolley car type
Nr of doors:	
for passenger	2
for driver	1

General Data

Empty weight	5540 kg
front end	2310 kg (41.7%)
rear end	3230 kg (58.3%)
load capacity	on highway 3510 kg
passenger capacity	54 (fixed Nr)
Nr of seats	30

Weight after fully loaded	9050 kg
Dimension:	
length	8000 mm
width	2450 mm
height	2860 mm
Inside measurement:	
length	7520 mm
width	2200 mm
height	1850 mm
Distance between axles	4100 mm
Distance between wheels:	
front wheels	1700 mm
rear wheels	1740 mm
Minimum ground clearances:	
front end	325 mm
rear end	265 mm
Front approaching angle	21.5°
Rear clearing angle	12.5°

**Concise Specifications of the Engine
Chassis and Electric System**

(Based on the Chieh Fang STC 6043/2397 brand CA-10 model truck, the frame is elongated and the gear shift lever is moved to a position under the steering wheel)



Hung Ch'i Brand Bus

Maker	Chi Nan (STC 3444/0579) Automobile Manufacturing Plant
Year	August 1958
Brand	Hung Ch'i (STC 4767/2475) brand
Engine position	front
Type of vehicle	bus
Nr of axles & driving axles	2 x 1
Body type	all metal body
Nr of doors	2

General Data

Empty weight	4220 kg
front end	2180 kg (51.2%)
rear end	2040 kg (48.8%)
Passenger capacity	40
Nr of seats	35
Weight after fully loaded	8300 kg

Dimension:

length	7000 mm
width	2400 mm
height	2800 mm
Distance between axles	3710 mm
Distance between wheels:	
front wheels	1740 mm
rear wheels	1650 mm
Minimum ground clearances:	
front end	360 mm
rear end	255 mm
Front approaching angle	22°
Rear clearing angle	15°

Operational Data

Maximum speed	74.5 km/h
Economical speed	50 km/h
Minimum turning radius	8.4 meters
Maximum gradeability	30 %
Fuel consumption rate (loaded)	16 - 20 liters/100 km

**Concise Specifications of the Engine
Chassis and Electric System
(same as the truck of this make)**

Volumes

Engine crank case	14 liters
Cooling system	25 liters
Fuel tank	110 liters
Transmission	4 liters
Rear end	8 liters



Hung Ch'i Brand HQ-58 Model Bus

Maker	Kun Ming (STC 2492/2494) Automobile Repair Shop
Year	June 1958
Brand & model	Hung Ch'i brand HQ-58
Engine position	on right side of the driver's seat
Type of vehicle	bus
Nr of axles driving axles	2 x 1
Body	trolley car type

General Data

Empty weight	4750 kg
front end	2170 kg (45.7%)
rear end	2580 kg (54.3%)
Passenger capacity	35
Weight after fully loaded	7350 kg
front end	2600 kg (35.4%)
rear end	4750 kg (64.6%)

Dimension:

length	7770 mm
width	2380 mm
height	2380 mm

Inside measurement:

length	7100 mm
width	2200 mm
hight	1600 mm

Distance between axles	4320 mm
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Distance between wheels:

front wheels	1670 mm
rear wheels	1740 mm

Minimum ground clearances:

front end	230 mm
rear end	210 mm

Front approaching angle	25°45'
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Rear clearing angle	19°15'
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Operational Data

Maximum speed	80 km/h
Minimum turning radius	12 meters
Maximum gradeability	27.5%
Fuel consumption rate (loaded)	27 liters/100 km

**Concise Specifications of the Engine
Chassis Electric System
(same as the truck of this make)**

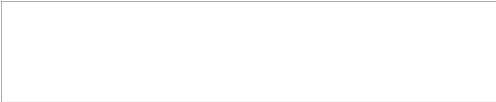


Hung Ch'i Nr6 Dining Car (Bus)

Maker	Automobile Repair Shop of Shen Yang (4118N/11326E) Military District
Year	1958
Model Nr	Hung Ch'i Nr 6
Type of vehicle	dining car (bus)
Nr of axles and driving shaft	2 x 1
Usage	Used specially to serve meals for air service personnel at the air field, it can supply food for 50 persons at a time; it can also be used as a bus

General Data

Empty weight	4800 kg
Nr of seats	28
Dimension:	
length	8100 mm
width	2500 mm
height	2800 mm
Equipment:	
thermos jar	14
folding table	7
kitchen cabinet	1



Distance between axles	4250 mm
Distance between wheels:	
front wheels	1700 mm
rear wheels	1740 mm
Minimum ground clearance	265 mm
Front approaching angle	25°
Rear clearing angle	10°

Operational Data

Maximum speed	65 km/h
Minimum turning radius	10.5 meters
Fuel consumption rate (loaded)	29 liters/100 km

Concise Specifications of the Engine
Chassis and Electric System
(same as the Chieh Fang brand CA-10 model truck)



Ch'ao Ying Brand Bus

Maker	State-Operated Shen Hsi Provincial Hsi An (STC 6007/1344) Automobile Repair Shop
Year	June 1958
Brand	Chao Ying (STC 6389/5391) brand
Engine position	right side of the driver's seat
Type of vehicle	bus
Nr of axles & driving axles	2 x 1
Body	trolley car type
Nr of doors	1

General Data

Empty weight	5242 kg
Nr of seats	28
Dimension:	
length	6900 mm
width	2570 mm
height	2700 mm
Inside measurement:	
length	6400 mm
width	2240 mm
height	1680 mm

Distance between axles	4060 mm
Distance between wheels:	
front wheels	1590 mm
rear wheels	1720 mm
Minimum ground clearance:	
rear end	230 mm

Concise Specifications of the Engine

Maker	State-Operated Shen Hsi Provincial Hsi An Automobile Repair Shop
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	six-cylinder straight line
Bore and stroke	85.73 x 107.95 mm
Displacement	3.74 liters
Compression ratio	6.8:1
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
Lubrication system:	
type	pressure circulation & splashing combined type
oil pump	gear type
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
type	three-rail type
gear shift lever position	on transmission cover

speed ratio: first	6.4:1
second	3.09:1
third	1.69:1
fourth	1.00:1
reverse	7.82:1

Drive shaft:

type	open type
amount	2
universal joint, type & amount	roller bearing type, 3

Rear end:

drive line, type & speed reduction ratio	single speed reduction type, 6.67:1
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type

Front end

I-beam

Wheels:

type	five-hole steel disc type
size	20 x 7

Tire size

7.50 - 20

Concise Specifications of the Electric System

Voltage of the whole system:	6 volts
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Battery:

grounding pole	positive pole
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Generator:

maximum output	40 amperes
regulating means	three-set regulator

Spark plug

14 mm



Improved Chieh Fang 57 Model Bus

Maker	Shang Hai Shih (STC 0006/3189/1579) Passenger Car Repair Shop
Year	1957
Brand & Model	Improved Chieh Fang (STC 6043/2397) 57 Model
Engine position	on right side of the driver's seat
Type of vehicle	bus
Nr of axles & driving axles	2 x 1
Body type	beamless all metal trolley car type
Nr of doors	1 (plus a door to the driver's compartment)

General Data

Empty weight	5300 kg
Load capacity	on highway 5300 kg
Passenger capacity	90
Nr of seats	29
Weight after fully loaded	10600 kg
front end	3160 kg (30%)
rear end	7440 kg (70%)

Dimension:

length	8287 mm
width	2450 mm
height	2860 mm

Inside measurement:

length	7767 mm
width	2215 mm
height	1900 mm

Distance between axles	4250 mm
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Distance between wheels:

front wheels	1700 mm
rear wheels	1740 mm

Minimum ground clearance	front end 243 mm
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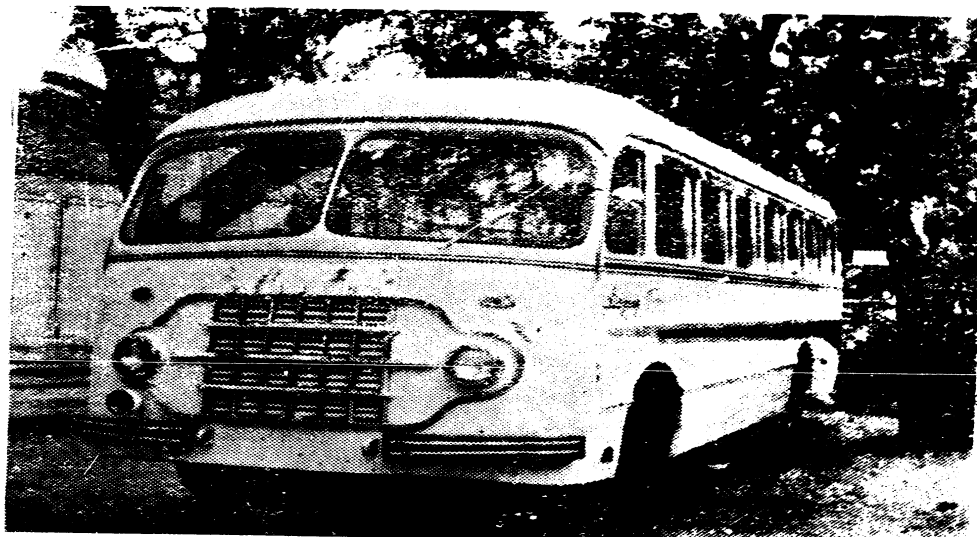
Front approaching angle	25°
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Rear clearing angle	12°
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Operational Data

Maximum speed	50 km/h
Minimum turning radius	9.2 meters
Fuel consumption rate (loaded):	22 liters/100 km
Cruising distance (one full tank)	680 km

**Concise Specifications of the Engine
Chassis and Electric System
(Based on the Chieh Fang brand CA-10 model truck)**



Pei Ching Large Type Bus

Maker Shou Tu (STC 7445/6757) Machine Works
 Year 1958

Special points:

Chassis has no steel beam but a structure that distributes the stress over the whole body which is riveted together. Positive polarized aluminum alloy is the material therefore it is light and corrosion resisting. Modern equipment, such as, electro-magnetic electric doors, sofa seats and sliding windows are installed. Parts are mechanically produced and the assembly is worked out by advanced technological measures thus, parts are interchangeable and the production cycle is short.

The engine and chassis of the Chieh Fang brand CA-10 model truck are used as a basis.



Hsi Hu CH58-7 Model Large Type Bus

Maker	Hang Chau (STC 2635/1558) Tractor Manufacturing Plant
Year	August 1958
Brand & model Nr	Shi Hu (STC 6007/3275) CH58-7
Engine position	front
Type of vehicle	bus
Nr of axles & driving axles	2 x 1
Body type	35-seat long distance Passenger car
Nr of doors	2

General Data

Empty weight	4300 kg
Passenger capacity	45
Nr of seats	35
Dimensions:	
length	7400 mm
width	2450 mm
height	2800 mm

Distance between axles	4826 mm
Distance between wheels:	
front wheels	1447 mm
rear wheels	1700 mm
Minimum ground clearance	234 mm
Front approaching angle	40°
Rear clearing angle	20°

Operational Data

Maximum speed	70 km/h
Economical speed	35 - 45 km/h
Minimum turning radius	12.2 meters
Maximum gradeability	45%
Maximum fording depth	810 mm
Cruising distance (one full tank)	250 mm
Braking distance	on dry highway when speed is 35 km/h less than 9 meters

Concise Specifications of the Engine

Maker	Hang Chou Tractor Manufacturing Plant
Model Nr	Hsi Hu CH58-6
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	six-cylinder, straight line
Bore and stroke	87.31 x 107.95 mm
Displacement	3.89 liters
Compression ratio	6.8
Maximum power:	
without governor	115 HP
with governor	95 HP
Nr of crank shaft revolution at maximum power	without governor 3800 rpm
Maximum torque	26.27 kg-meters/1500 rpm
Cylinders firing order	1-5-3-6-2-4

Valve position	valve-in-side
Lubrication system	pressure circulation type
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
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Transmission

speed ratio: first	6.40:1
second	3.09:1
third	1.69:1
fourth	1:1
reverse	7.82:1

Drive shaft:

type	open type
amount	2
universal joint, amount	3

Rear end:

drive line, type & speed reduction ratio	single grade speed reduction type, 6.66:1
rear end housing	separate type

Front end

I-beam

Wheels:

type	steel disc type
size	20 x 7

Tire size

7.50 - 20

Suspension:

front end	semi-elliptical leaf spring
rear end	semi-elliptical leaf spring

Steering:

type	worm column & fan-shaped gear type
speed ratio	23.2:1

Brake system:

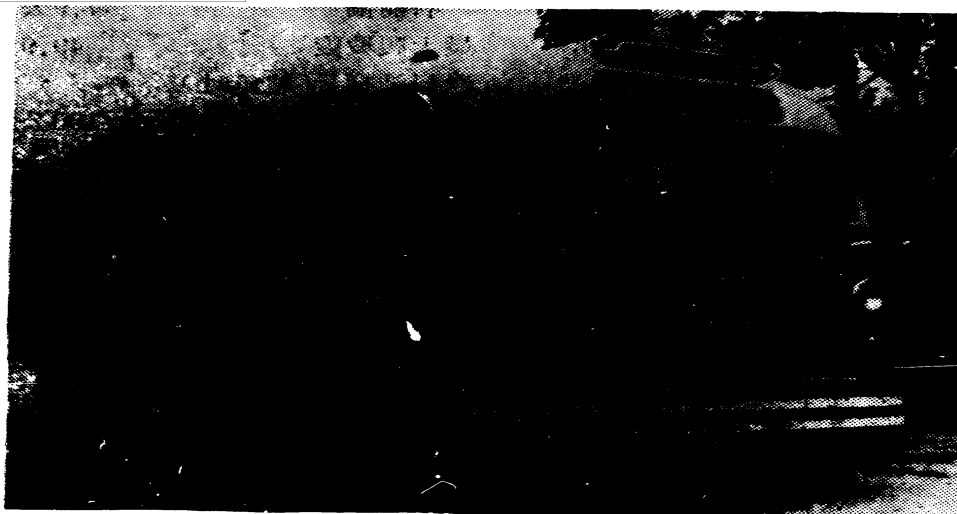
foot brake	hydraulic vacuum increasing pressure type
hand brake	mechanical type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	155 ampere-hour
grounding pole	positive pole
Generator:	
model type	Tung I (STC 4827/0001) type
maximum output	35 amperes
regulating means	three-set type regulator
Spark plug	14 mm

Volumes

Engine crank case	4.75 liters
Carburetor's air cleaner	0.95 liter
Cooling system	21.8 liters
Fuel tank	68 liters
Transmission	2.8 liters
Rear end	2.8 liters



Fu Chou Brand Bus

Maker	Local State-Operated Fu Chou (STC 4395/1558) Automobile Repair Shop
Year	July 1958
Brand	Fu Chou brand
Engine position	front
Type of vehicle	bus
Nr of axle and driving axles	2 x 1
Body doors	1

General Data

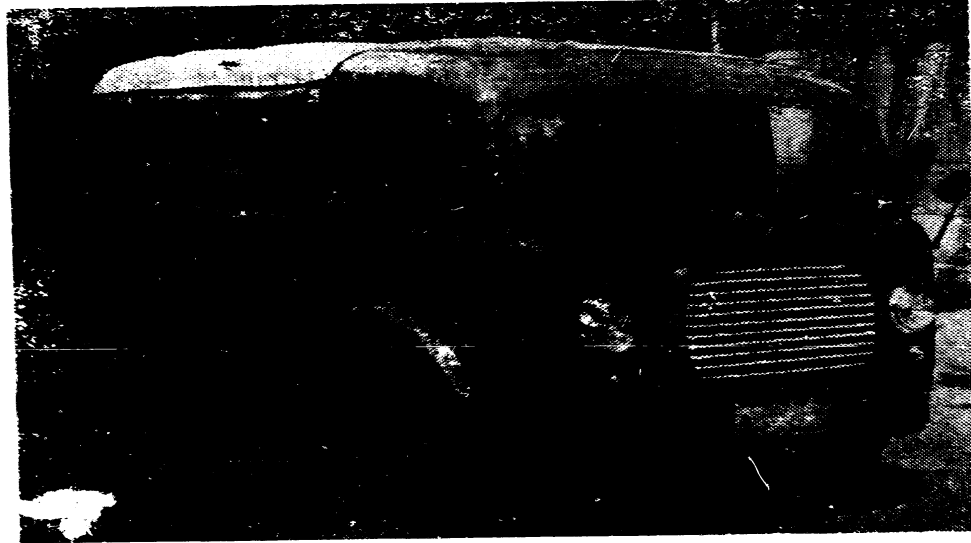
Passenger capacity	50
Nr of seats	30
Dimension:	
length	7000 mm
width	2250 mm
height	2800 mm
Inside measurement:	
length	6440 mm
width	2100 mm
height	1830 mm

Distance between axles	4200 mm
Distance between wheels:	
front wheels	1620 mm
rear wheels	1640 mm
Minimum ground clearances:	
front end	310 mm
rear end	242 mm
Front approaching angle	26°
Rear clearing angle	18°

Operational Data

Maximum speed	70 km/h
Economical speed	40 km/h
Minimum turning radius:	
left front wheel	8.3 meters
right front wheel	7.9 meters
Maximum gradeability	49.9%
Fuel consumption rate (loaded)	33.40 liters/100 km
Cruising distance (one full tank)	362 km

Concise Specifications of the Engine
Chassis and Electric System
(same as the truck of this make)



Kung Nung Brand Hu K'e 58-1 Model Passenger-Cargo Truck

Maker	Shang Hai Shih (STC 0006/3189/1579) Passenger Car Manufacturing Plant
Year	July 1958
Engine position	in the middle of the driver's compartment
Type of vehicle	for both passenger and cargo
Nr of axles & driving axles	2 x 1
Body type	flat body, railing sides with removable top and folding seats
Nr of doors	2

General Data

Empty weight	1300 kg
front end	750 kg (57.8%)
rear end	550 kg (42.2%)
Load capacity:	
on highway	1200 kg
on dirt road	1000 kg
Passenger capacity	20
Nr of seats	12

Weight after fully loaded	2500 kg
front end	950 kg (38%)
rear end	1550 kg (62%)
Dimension:	
length	4000 mm
width	1750 mm
height	1900 mm
Inside measurement:	
length	2500 mm
width	1500 mm
height	670 mm (fencing board)
Distance between axles	2300 mm
Distance between wheels:	
front wheels	1370 mm
rear wheels	1420 mm
Minimum ground clearance	rear bridge 240 mm
Front approaching angle	28°
Rear clearing angle	20°10'

Operational Data

Maximum speed	56 km/h
Economical speed	45 km/h
Minimum turning radius	5.1 meters
Maximum gradeability	20%
Maximum bording depth	370 mm
Fuel consumption rate (loaded)	10-13 liters/100 km
Cruising distance (one full tank)	215 km

Concise Specifications of the Engine

Maker	Internal Combustion Engine Parts Manufacturing Plant
Model Nr	58-I model
Type	four-stroke, carburetor type

Nr of cylinders & arrangement	two-cylinder, V-shape 90°
Bore and stroke	80 x 100 mm
Displacement	1.005 liter
Compression ratio	6.3:1
Maximum power	without governor, 30 HP
Nr of crank revolution when in maximum power	without governor, 4000 rpm
Maximum torque	7 kg-meter
Fuel system:	
type	jet type
fuel pump	gear type
Oil filter	metal plate type
Cooling system	water-cooling type

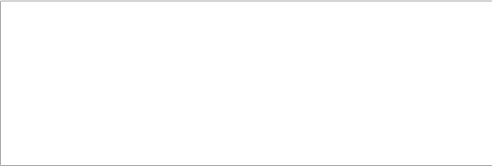
Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission	
speed ratio: first	4.57:1
second	2.793:1
third	1.611:1
fourth	1:1
reverse	6.093:1
Drive shaft:	
type	open type
amount	1
universal joint, amount	2
Rear end:	
drive line, type & speed reduction ratio	single grade speed reduction type, 7.667:1
differential	cone-shape straight toothed type
axle	floating type
rear end housing	integral type

Front end	first type I-beam
Wheels:	
type	drum wheel
size	4.50F x 16
Tire type & size	6.50 - 16
Frame type	grooved beam
Suspension:	
front end	semi-elliptical leaf spring 8 x 10 mm center distance 1050 mm
rear end	semi-elliptical leaf spring 8 x 10 mm, center distance 1050 mm
Steering:	
type	transmission column and double-knuckle type
speed ratio	14-12-14:1
Brake system:	
foot brake	hydraulic type
hand brake	ratchet wheel type, action on drive shaft

Concise Specifications of the Electric System

Voltage of the whole system	6 volts single line
Battery:	
capacity	100 ampere-hour
grounding pole	positive pole
Generator's maximum output	24 amperes
Starter:	
voltage	6 volts
power	0.8 HP
Distributor	mechanical centrifugal type automatic pre-ignition
Ignition coil	Tung Yung (STC 6639/3938) type
Spark plug	14 mm



Volumes

Engine	7 liters
Cooling system	7.5 liters
Fuel tank	28 liters
Transmission	0.7 liter
Rear end	1.75 liter



Wei Hsing Brand Bus

Maker	Su Sung (STC 5685/2646) Automobile Company, Shanghai Maintenance and Repair Shop
Year	August 1958
Brand	Wei Hsing (STC 5898/2502) brand
Engine position	Front
Type of vehicle	Long distance traveling bus
Nr of axles & driving axles	2 x 1
Body type	Flat front all-metal type
Nr of doors	2 (one is for driver's compartment)

General Data

Empty weight	45600 kg
front end	1850 kg
rear end	2700 kg
Passenger capacity	40
Nr of seats	28
Weight after fully loaded	6082 kg
front end	2080 kg
rear end	4002 kg

Dimension:

length	7300 mm
width	2240 mm
height	2840 mm

Inside measurement:

length	7200 mm
width	2140 mm
height	1800 mm

Distance between axles	4060 mm
------------------------	---------

Distance between wheels:

front wheels	1466 mm
rear wheels	1620 mm

Minimum ground clearances:

front end	230 mm
rear end	255 mm

Front approaching angle	40°
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Rear clearing angle	20°
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Operational Data

Maximum speed	80 km/h
Minimum turning radius	
left front wheel	8.20 meters
right front wheel	7.90 meters
Maximum gradeability	49.9%
Maximum fording depth	813 mm

Concise Specifications of the Engine

Maker	Su Sung Automobile Company, Shanghai Maintenance and Repair Shop
Model Nr	S52
Type	four-stroke, gasoline engine
Nr of cylinders and arrangement	six-cylinder, straight line
Bore and stroke	87.3 x 107.95 mm

Displacement	3.89 liters
Compression ratio	6.8
Maximum power	with governor 104 HP
Nr of crank shaft revolutions at maximum power	with governor 3000 rpm
Maximum torque	26.3 kg-meter/1500 - 2200 rpm
Cylinders firing order	1-5-3-6-2-4
Valve position	valve-in-left-side
Fuel system:	
fuel filter	common type
fuel pump	common type
carburetor	common type
Lubrication system	pressure circulation type
oil pump	gear type
oil filter	common type

Concise Specifications of the Chassis

Clutch	single disc dryplate type
Transmission speed ratio:	
first	6.40 : 1
second	3.09 : 1
third	1.69 : 1
fourth	1 : 1
reverse	7.82 : 1
Drive shaft:	
amount	2
universal joint, amount	4
Rear end:	
drive line speed reduction ratio	6.825
differential	cane-shaped straight toothed type
axle	floating type
rear end housing	integral type

Front end	I-beam
Tire size	7.50 - 20
Suspension:	
front end	semi-elliptical leaf spring
Steering:	worm-shaped and fan-shaped gear
speed ratio	23.2
Brake system:	
foot brake	vacuum increase-pressure hydraulic type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Generator's regulating means	three-set type regulator
Starter's voltage	6 volts
Distributor's	common type
Ignition coil	common type
Spark plug:	common type
diameter at thread end	14 mm

THREE WHEEL-VEHICLES

Kung Nung Brand GN58 - II Model
Three-Wheel Truck

Maker	Han Kou (STC 3352/0656) Automobile Repair Shop
Year	July 1958
Model	GN 58 - II
Engine position	under driver's seat
Type of vehicle	three-wheel passenger-cargo truck
Nr of wheels & Nr of driving wheel	3 x 2
Body type	wooden body
Nr of doors	2

General Data

Empty weight	1500 kg on:
front wheel	500 kg (33%)
rear end	1000 kg (67%)
Load capacity	
on highway	2000 kg
on dirt road	1500 kg

Passenger capacity	30
Nr of seats	12
Weight after fully loaded	3610 kg on:
front wheel	698 kg (19%)
rear end	2912 kg (81%)

Dimension:

length	4330 mm
width	1750 mm
height	2550 mm

Inside measurement:

length	2380 mm
width	1600 mm
height	760 mm

Distance between axles	2825 mm
Distance between wheels	rear wheels 1480 mm
Minimum ground clearance	rear end 240 mm
Rear clearing angle	33°

Operational Data

Maximum speed	79 km/h
Economical speed	45 km/h
Minimum turning radius	4 meters
Maximum gradeability	12° or 21.3%
Maximum fording depth	500 mm
Fuel consumption rate (loaded)	6.25 liters/100 km
Cruising distance (one full tank)	380 km

Concise Specifications of the Engine

Maker	Han Kou Automobile Repair Shop
Model	GN58 - 1
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	two-cylinders, level, facing each other

Bore and stroke	90 x 90 mm
Displacement	1.145 liter
Compression ratio	6.3 : 1
Maximum power	without governor 46 HP
Nr of crank shaft revolutions at maximum power	without governor 4000 rpm
Maximum torque	8.4 kg-meter/2800 rpm
Minimum fuel consumption	220 g / effective HP-hour
Cylinders firing order	1 - 2
Valve position	overhead
Combustion chamber	semi-spherical type
Fuel system:	
fuel filter	filter screen type
fuel pump	diaphragm type, made by Fu Lai (STC 4395/0171) Automobile Parts Manufacturing Plant, Chevrolet type
carburetor	up-draft type, self manufactured
air cleaner	oil bath and inertia combined type
Lubrication system:	
oil pump	pressure and splashing combined type
oil filter, type & connecting method	gear type
oil filter, type & connecting method	paper filter-wick type, parallel
Cooling system	water-cooling type

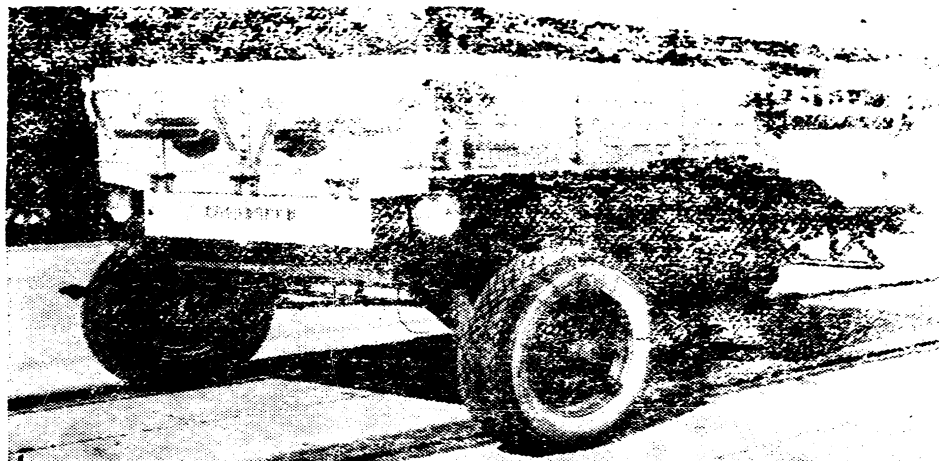
Concise Specifications of the Chassis

Clutch	single disc dry plate type, with buffer spring
Transmission:	three-rail type
gear-shift lever position:	on transmission cover
speed ratio: first	4.99 : 1
second	2.68 : 1
third	1.65 : 1
fourth	1.00 : 1
reverse	5.41 : 1

Drive shaft:	open type
amount	1
universal joint, type and amount	1 rigid, 1 soft
Rear end:	
Drive line	double-grade speed reduction type
speed reduction ratio	7.5 : 1
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type
Front end	no front axle, has radial axle
Wheel:	
type	steel disc, separable type
size: front	16 x 4.5 E
rear	16 x 5.5 F
Tire size: front	6.50 - 16, 8 layers
rear	7.50 - 16, 12 layers
Frame	ladder-shaped, two side members plus 5 crossmembers
Suspension:	
front wheel	coil spring and hydraulic double- action shock absorber
rear end	vertical semi-elliptical leaf spring
Steering:	
type	worm column and worm wheel type
speed ratio	14 : 1
Brake system, type:	
foot brake	shoe plate hydraulic type
hand brake	drum type, behind the transmission

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
battery: capacity	135 ampere-hour
grounding	negative pole
Generator:	
maximum output	140 watts
regulating method	by the third electric brush
Starter:	
type	mechanical drive type
voltage	6 volts
power	0.6 HP
Distributor	self-manufactured
Ignition coil	self-manufactured
Spark plug: model Nr	14-16-1
diameter at thread end	14 mm
Volumes	
Lubrication oil tank	5 liters
Air cleaner	0.42 liter (two)
Cooling system	14.7 liters
Fuel tank	28 liters
Transmission	2.5 liters
Rear end	2 liters
Front wheel's shock absorber	0.7 liter



**Kung Nung Brand Agricultural All-Purpose
Three-Wheel Truck**

Maker	Shen Yang (STC 3476/7122) Automobile Assembly Plant
Year	April 1958
Brand and model	Kung Nung (STC 1562/6593) brand Agricultural All-Purpose Truck
Engine position	in the rear of vehicle, level
Type of vehicle	agricultural all-purpose three-wheeler
Nr of wheel & driving wheel	3 x 1 (one rear wheel)
Body, type	cargo truck, four fence flaps
Nr of doors	none

General Data

Empty weight	1350 kg on:
front end	540 kg (40%)
rear wheels	810 kg (60%)
Load capacity on highway	1500 kg
Passenger capacity	2
Nr of seats	2

Dimension:

length	3600 mm
width	1780 mm
height	1375 mm

Inside measurement:

length	1670 mm
width	1200 mm
height	370 mm

Distance between axles	2090 mm
Distance between wheels	front wheels 1530 mm
Minimum ground clearance	front end 350 mm

Operational Data

Maximum speed	25 km/h
Minimum turning radius	4.5 meters
Maximum gradeability	20°
Maximum fording depth	600 mm
Fuel consumption rate (loaded)	12.4 liters/100 km

Concise Specifications of the Engine

Maker	Nan Ching (STC 0589/0079) Automobile Manufacturing Plant
Model Nr	1220
Type	four-stroke, carburetor type
Nr of cylinders & arrangement	four-cylinder, straight line
Bore and stroke	82 x 100 mm
Displacement	2.12 liters
Compression ratio	6.2 : 1
Maximum power	50 HP
Nr of crank shaft revolutions at maximum power	3600 rpm

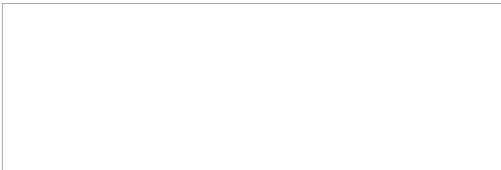
Maximum torque	12.5 kg-meter/1800 rpm
Minimum fuel consumption rate	240 g/effective HP-hour
Cylinders firing order	1-2-4-3
Valve position	valve-in-side
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type
Lubrication system:	pressure and splashing combined type
oil pump	gear type
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	three rail type
gear shift lever position	on transmission cover
speed ratio: first	6.4 : 1
second	3.09 : 1
third	1.69 : 1
fourth	1 : 1
reverse	7.82 : 1

Ying Hsiung Brand 81-I Model Three-Wheel Truck

Maker	Nan Ch'ang (STC 0589/2490) Automobile Repair Shop
Year	May 1958
Model Nr	Ying Hsiung (STC 5391/7160) brand 81-I
Engine position	inside the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels & Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2



General Data

Empty weight	1340 kg on:
front wheel	500 kg (37%)
rear end	840 kg (63%)
Load capacity:	
on highway	1500 kg
on dirt road	1000 kg
Nr of seats	2
Dimension:	
length	4750 mm
width	1600 mm
height	1720 mm
Inside measurement:	
length	2700 mm
width	1600 mm
height	460 mm
Distance between axles	3100 mm
Distance between wheels	rear wheels 1460 mm
Minimum ground clearance	rear bridge 200 mm
Front approaching angle	bigger than 90°
Rear clearing angle	30°

Operational Data

Maximum speed	55 km/h
Economical speed	30 - 35 km/h
Minimum turning radius	4.5 meters
Maximum gradeability	20°
Maximum fording depth	370 mm
Fuel consumption rate (loaded)	10 - 12 liters/100 km
Cruising distance (one full tank)	200 km

Concise Specifications of the Engine

Maker	Nan Ch'ang Automobile Repairing Shop
Model Nr	81-I
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shaped 90°
Bore and stroke	81 x 100 mm
Displacement	1.03 liter
Compression ratio	6.43 : 1
Maximum power	without governor 32 HP
Nr of crank shaft revolutions at maximum power	without governor 4000 rpm
Maximum torque	7 kg-meter/2000 rpm
Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
Lubrication system:	pressure circulation type
oil pump	gear type
Colling system	forced circulation water-cooling type

Concise Specifications of the Chassis

Cluth	single disc dry plate type
Transmission:	
gear shift lever position	on transmission cover
speed ratio: first	4.57 : 1
second	2.79 : 1
third	1.61 : 1
fourth	1 : 1
reverse	6.09 : 1
Drive shaft:	
type & amount	open type, 1
universal joint, type & amount	hard type connection, 2

Rear end:

drive line speed
reduction ratio 6.83 : 1

axle floating type

rear end housing integral type

Front end no front axle, has steering column

Wheels:

type steel disc type

size 16 x 5.50

Tire size:

front 6.50-16, 8 layers

rear 7.50-16, 14 layers

Frame type welded type

Suspension:

front wheel coil spring type, with hydraulic
shock absorber

rear end semi-elliptical leaf spring

Steering:

type worm column and worm wheel type

speed ratio 15 : 1

Brake system, type:

foot brake hydraulic type

hand brake external contraction on drive shaft

Concise Specifications of the Electric System

Voltage of the whole system 6 volts

Battery:

capacity 100 ampere-hour

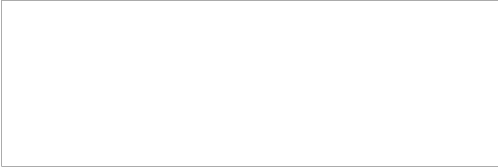
grounding pole positive pole

Generator:

type made by the Shang Hai (STC 0006/3189)
Automobile Electric Machine Plant

maximum output 140 watts

regulation means by the third electric brush

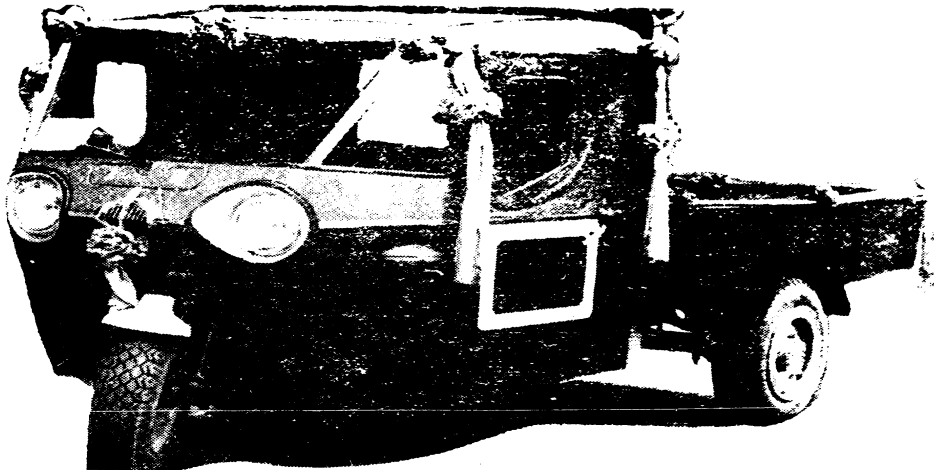


Starter:

type	made by the Shang Hai Automobile Electric Machine Plant, mechanical gearing type
voltage	6 volts
power	0.8 HP
Distributor	centrifugal regulating type
Spark plug	14 mm

Volumes

Lubrication oil tank	11 liters
Cooling system	5.5 liters
Fuel tank	24.5 liters
Rear end	3.5 liters



Shang Yu Brand Three-Wheel Truck

Maker	Chin Chou Shih (STC 6903/1558/1579) Transportation Company, Automobile Repair Shop
Year	July 1958
Brand	Shang Yu (STC 0006/3266) brand
Engine position	inside the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels & Nr of driving wheels	3 x 2
Body type	cargo truck, flaps on three sides
Nr of doors	2

General Data

Empty weight	1500 kg
Load capacity	on highway 2000 kg
Weight after fully loaded	3500 kg
Dimension:	
length	4715 mm
width	1702 mm
height	1892 mm



Inside measurement:

length	1420 mm
width	1702 mm
height	410 mm
Distance between axles	2825 mm
Distance between rear wheels	1455 mm
Minimum ground clearance	rear end 240 mm

Operational Data

Maximum speed	60 km/h
Fuel consumption rate (loaded)	10 liters/100 km
Cruising distance (one full tank)	280 km

Concise Specifications of the Engine

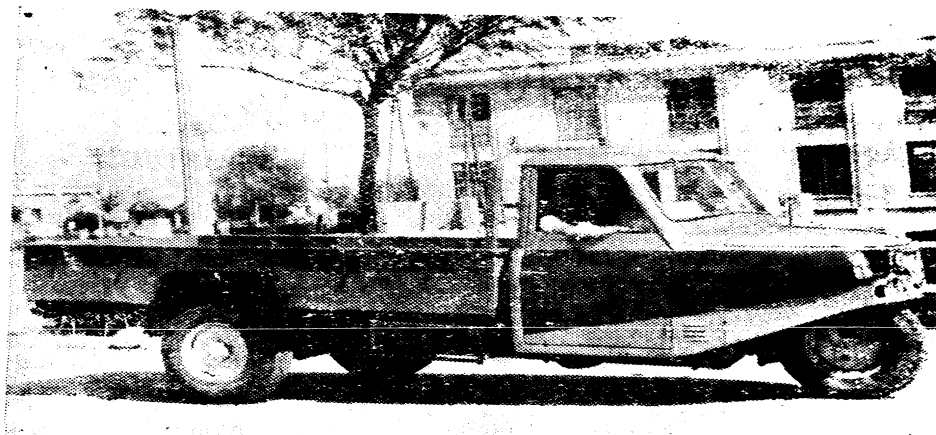
Maker	Chin Chou Shih Transportation Company, Automobile Repair Shop
Model Nr	T58
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shape 76°
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	42 HP
Nr of crank shaft revolutions at maximum power	3500 rpm
Maximum torque	9.7 kg-meter/2600 rpm
Cylinders firing order	1 - 2
Valve position	overhead
Carburetor	single inlet, up draft type
Lubrication system	pressure circulation type
Cooling system	air-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission:	
gear shift lever position	on transmission cover
speed ratio: first	4.99 : 1
second	2.98 : 1
third	1.67 : 1
fourth	1 : 1
reverse	5.45 : 1
Rear end:	
drive line speed reduction ratio	6.67 : 1
axle	floating type
rear end housing	separate type
Wheels: type	steel disc type
size	61 x 5.5
Tire size: front wheel	5.60 - 16
rear wheels	7.50 - 16
Suspension:	
front wheel	coil spring plus hydraulic shock absorber
rear end	semi-elliptical leaf spring
Steering	worm column and double-knuckle arm type
Brake system:	
foot brake	hydraulic type
hand brake	mechanical type, on rear wheels only

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery's capacity	80 ampere-hour
Spark plug	14 mm
Carburetor's air cleaner	0.6 liter
Fuel tank	28 liters
Transmission	0.825 liter
Rear end	2.8 liters



Huo Chien Brand 5871-A Model
Three-Wheel Truck

Maker	Wu Han (STC 2976/3352) Fire Fighting Equipment Plant
Year	August 1958
Model Nr	Huo Chien (STC 3499/4628) brand 5871-A
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck, fence flap on the rear side
Nr of doors	2

General Data

Empty weight	1500 kg
Load capacity:	
on highway	2000 kg
on dirt road	1500 kg
Passenger capacity	2
Nr of seats	2
Weight after fully loaded	3620 kg, on:
front wheel	724 kg (20%)
rear end	2896 kg (80%)

Dimension:

length	5100 mm
width	1700 mm
height	1850 mm
Distance between axles	3300 mm
Distance between wheels	rear wheels 1460 mm
Minimum ground clearance	rear end 220 mm

Operational Data

Maximum speed	60 km/h
Economical speed	35 km/h
Minimum turning radius	4.2 meters
Maximum gradeability	17%
Fuel consumption rate (loaded)	12 liters/100 km
Cruising distance (one full tank)	350 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine

Maker	State-Operated Wu Han Fire Fighting Equipment Plant
Model Nr	290 model
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder straight line
Bore and stroke	90 x 115 mm
Displacement	1.46 liter
Compression ratio	6.5 : 1
Maximum power	25 HP
Nr of crank shaft revolutions at maximum power	2800 rpm
Maximum torque	8 kg-meter/1400 rpm
Minimum fuel consumption rate	225 g/effective HP-hour
Cylinders firing order	1 - 2
Lubrication system:	
type	pressure circulation and splashing combined type
oil pump	gear type

Cooling system

pressure circulation water-cooling
type

Concise Specifications of the Chassis

Clutch

single disc dry plate type

Transmission:

speed ratio: first	5.15 : 1
second	2.99 : 1
third	1.83 : 1
fourth	1 : 1
fifth	(TN: not given)
reverse	6.8 : 1

Rear end:

drive line speed reduction ratio	6.83 : 1
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type

Wheel, type

steel disc type

Tire size: front

6.50 - 16, 10 layers

rear

7.50 - 16, 12 layers

Suspension:

front wheel	coil spring
rear end	semi-elliptical leaf spring

Steering:

type	worm column and worm wheel type
speed ratio	15 : 1

Brake system:

foot brake	hydraulic type, acts on front and rear wheels
hand brake	disc type, acts on drive shaft, mechanically operated

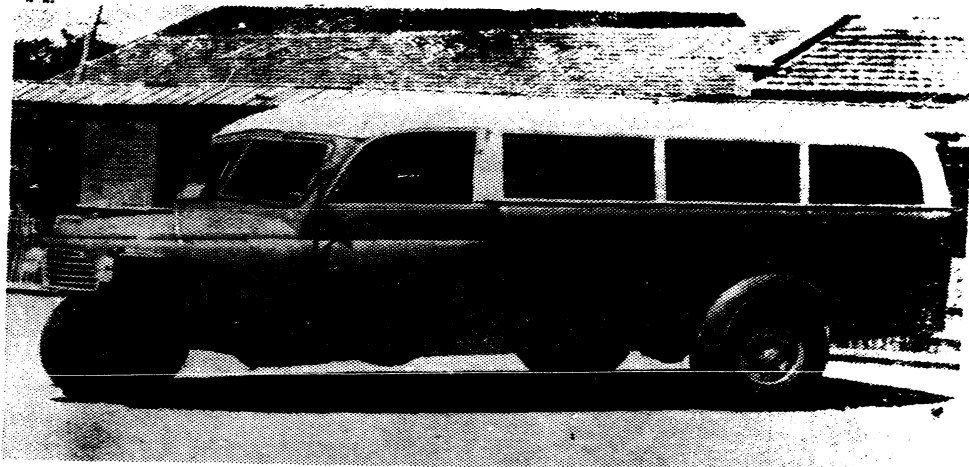
Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	100 ampere-hour
grounding pole	negative pole
Generator's maximum output	40 amperes
Starter: voltage	6 volts
power	0.8 HP
Spark plug	14 mm

Volumes

Cooling system	8 liters
Fuel tank	42.5 liters

Remarks: A power take-off shaft is installed at the rear of the vehicle. It can be used as the motive power for pumps, generators, mills and other machines. In addition, if we replace the rear two wheels with iron ones, it can be used as a medium tractor with a towing force of 1100 kilograms.



Huo Chien Brand 5871-B Model
Three-Wheel Truck

Maker	Wu Han (STC 2976/3352) Fire Fighting Equipment Plant
Year	June 1958
Model Nr	Huo Chien (STC 3499/4628) brand 5871-B
Type of vehicle	three-wheel passenger-cargo truck
Nr of wheels and Nr of driving wheels	3 x 2
Body	closed type
Nr of doors	2

General Data

Empty weight	1700 kg
Passenger capacity	22
Nr of seats	20
Weight after fully loaded	3320 kg, on:
front wheel	664 kg (20%)
rear end	2656 kg (80%)
Dimension: length	5000 mm
width	1650 mm
height	2000 mm

Distance between axles	3300 mm
Distance between wheels	rear wheel 1460 mm
Minimum ground clearance	rear end 220 mm

Operational Data

Maximum speed	60 km/h
Economical speed	30 - 40 km/h
Minimum turning radius	4.2 meters
Maximum gradeability	17%
Fuel consumption rate (loaded)	12 liters/100 km
Cruising distance (one full tank)	350 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine,
Chassis, Electric System and Volume

(same as the Huo Chien brand 5871-A model three-wheel truck)

Remarks: This vehicle is most suitable as a bus for children. It becomes a light truck if it's convertible top is removed and can be used as a mail truck, ambulance, broadcasting car etc after minor changes.



Huo Chien Brand 5871-C Model
Three-Wheel Truck

Maker	Wu Han Fire Fighting Equipment Plant
Year	June 1958
Model Nr	Huo Chien brand 5871-C
Type of vehicle	three-wheel towing vehicle and semi-trailer

Nr of wheels and Nr of driving wheels	3 x 2
Nr of doors	2

General Data

Empty weight	2500 kg
load capacity	on highway 5000 kg
Passenger capacity	2
Nr of seats	2
Dimension: length	4500 mm
width	1700 mm
height	1850 mm
Semi-trailer's dimension:	
length	4000 mm
width	2000 mm
height	460 mm

Distance between axles	3300 mm
Distance between wheels	rear wheels 1460 mm
Minimum ground clearance	rear end 220 mm

Operational Data

Maximum speed	40 km/h
Economical speed	20 - 30 km/h
Maximum gradeability	12%
Fuel consumption rate (loaded)	18 liters/100 km
Cruising distance (one full tank)	230 km
Braking distance:	on dry highway when speed is 30 km/h, less than 7 meters

Concise Specifications of the Engine
and Volumes

(same as the Huo Chien brand 5871-A model three-wheel truck)

Concise Specifications of the Chassis

Clutch single disc dry plate type

Transmission:

speed ratio: first	5.15 : 1
second	2.99 : 1
third	1.83 : 1
fourth	1 : 1
reverse	6.18 : 1

Transfer case:

speed ratio: low gear	1.55 : 1
high gear	1 : 1

Rear end:

drive line speed reduction ratio	6.83
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type

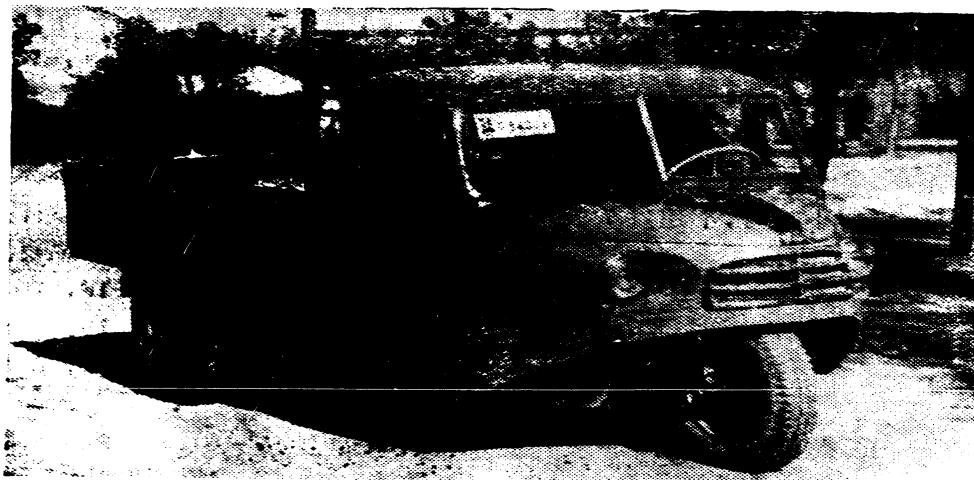
Wheel, type steel disc type

Tire size: front 6.50 - 16, 10 layers
rear 7.50 - 16, 12 layers
semi-trailer 7.50 - 20, 6 layers

Suspension:
front wheel coil spring
rear end semi-elliptical leaf spring

Steering:
type worm colume and worm wheel type
speed ratio 15 : 1

Brake system:
foot brake hydraulic type, acts on both front
and rear wheels of the towing vehicle
hand brake plate type, is installed in the drive
system and is operated mechanically



Huo Chien Brand 58-51 Model
Three-Wheel Truck

Maker	Chiang Nan (STC 3068/0589) Automobile Plant
Year	July 1958
Model Nr	Huo Chien brand 58-51
Engine position	front
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	wooden cargo truck
Nr of doors	2

General Data

Empty weight	1322 kg, on:
front end	476 kg (36.0%)
rear end	846 kg (64.0%)
Load capacity	
on highway	2000 kg
on dirt road	1000 - 1500 kg
Weight after fully loaded	3432 kg, on:
front wheel	676 kg (19.7%)
rear end	2753 kg (80.3%)

Dimension: length	4230 mm
width	1685 mm
height	1885 mm

Inside measurement:

length	2385 mm
width	1570 mm
height	870 mm
Distance between axles	2825 mm
Distance between rear wheels	1455 mm
Minimum ground clearance	rear end 165 mm

Operational Data

Maximum speed	40 km/h
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Concise Specifications of the Engine

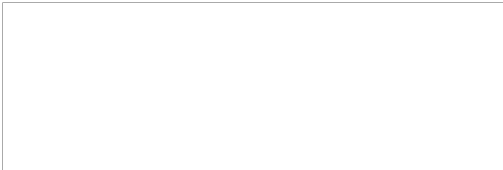
Maker	Chiang Nan Automobile Plant
Type	four-stroke, carburetor type
Nr of cylinder & arrangement	two-cylinder, V-shape 76°
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	42 HP
Nr of crank shaft revolutions at maximum power	3500 rpm
Maximum torque	9.7 kg-meter/2600 rpm
Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	double-inlet breathing type
Lubrication system:	
type	pressure circulation type
oil pump	gear type
oil filter	steel plate type coarse filter
Cooling system	air-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission	
speed ratio: first	4.97 : 1
second	2.98 : 1
third	1.67 : 1
fourth	1 : 1
reverse	5.45 : 1
Drive shaft:	
type	open type
amount	1
universal joint, type and amount:	front rigid 1, rear soft 1
Rear end:	
drive line, type and speed reduction ratio	single grade speed reduction type 5.25 : 1
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type
Suspension	
front wheel	coil spring
rear end	semi-elliptical leaf spring
Steering	worm column and roller type
Brake system:	
foot brake	hydraulic type
hand brake	mechanical type, acts on rear wheels
Concise Specifications of the Electric System	
Voltage of the whole system	6 volts
Battery:	
capacity	80 ampere-hour
grounding pole	negative pole
Generator's maximum output	200 watts



Starter: voltage	6 volts
power	0.8 HP
Spark plug:	
Model	Nan Ching (STC 0589/0079) brand
diameter at thread end	14 mm
	Volumes
Engine crank case	1.4 liter
Fuel tank	34 liters
Transmission	2.5 liters
Rear end	2.5 liters



Sheng Li Brand Three-Wheel Truck

Maker	Shen Yang Shih (STC 3476/7122/1579) Automobile Assembling Factory
Year	1958
Brand	Sheng Li (STC 0524/0448) brand
Engine position	front
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck fence flap on the rear

General Data

Empty weight	1350 kg
Load capacity	on highway 2000 kg
Passenger capacity	2
Nr of seats	2
Weight after fully loaded	3350 kg
Dimension: length	4830 mm
width	1680 mm
height	1880 mm

Inside measurement:	length	2985 mm
	width	1570 mm
	height	370 mm
Distance between axles		3110 mm
Distance between wheels	rear wheels	1455 mm

Concise Specifications of the Engine

Maker	Shen Yang Shih Automobile Assembling Factory
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shape 60°
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	38.4 HP
Nr of crank shaft revolutions at maximum power	3500 rmp
Maximum torque	9.1 kg-meter/2000 rpm
cylinders firing order	1 - 2
Valve position	overhead
Cooling system	air-cooling type

Concise Specifications of the Chassis

Transmission	for forward gears, one reverse gear
Wheel	steel disc type
Tire size: front	6.50 - 16, 6 layers
rear	7.50 - 16, 12 layers
Brake system:	
foot brake	hydraulic type
hand brake	mechanical type

Feng Shou Brand 51 Model
Three-Wheel Truck

Maker	Ch'ing Tao (STC 7230/1497) Automobile Repair Shop
Year	April 1958
Brand and Nr	Feng Shou (STC 6265/2392) brand 51
Engine position	inside the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2

General Data

Empty weight	1500 kg, on:
front wheel	540 kg (36%)
rear end	960 kg (64%)
Load capacity	on highway 2000 kg
Weight after fully loaded	3500 kg
Dimension: length	4180 mm
width	1675 mm
height	1885 mm
Inside measurement: length	2375 mm
width	1550 mm
height	370 mm
Distance between axles	2825 mm
Distance between wheels	rear wheels 1455 mm
Minimum ground clearance	rear end 165 mm
Rear clearing angle	22°

Operational Data

Maximum speed	45 km/h
Maximum fording depth	250 mm
Fuel consumption rate (loaded)	13 liters/100 km
Cruising distance (one full tank)	260 km
Braking distance	on dry highway when speed is 30 km/h, less than 9 meters

Concise Specifications of the Engine

Maker	Ch'ing Tao Automobile Repair Shop
Model Nr	58 - 51
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shape
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	42 HP
Nr of crank shaft revolutions at maximum power	3500 rpm
Maximum torque	9.7 kg-meter/2600 rpm
Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	double-inlet level-draft type
Lubrication system	forced circulation type
Cooling system	air-cooling type

Concise Specifications of the Chassis

Transmission	
speed ratio: first	4.31 : 1
second	2.65 : 1
third	1.63 : 1
fourth	1 : 1
reverse	5.22 : 1
Rear end drive line speed reduction ratio	6.67 : 1
Front end	no front axle, cast steel fork type steering column
Wheel	steel disc type
size: front	16 x 6
rear	16 x 8

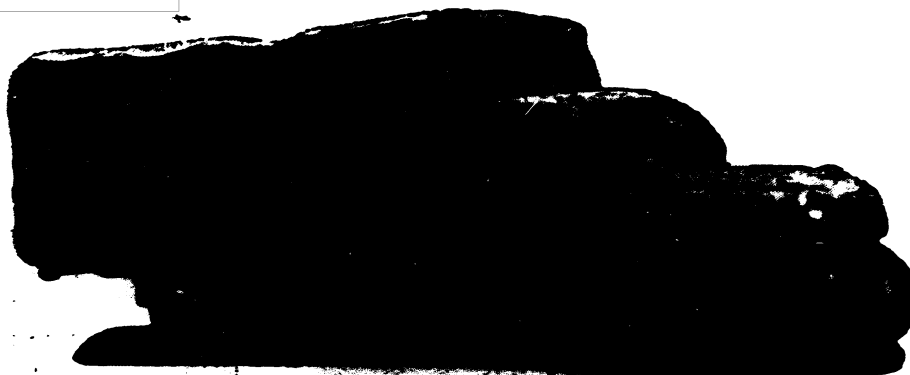
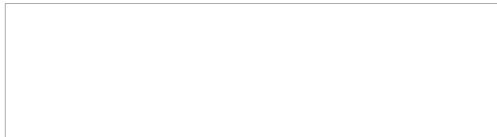
Tire size: front	6.50 - 16, 6 layers
rear	7.50 - 16, 12 layers
Suspension:	
front wheel	coil spring
rear end	semi-elliptical leaf spring
Steering	handle type
Brake system	
foot brake	hydraulic type
hand brake	mechanical type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery, capacity	110 ampere-hour
Spark plug	14 mm

Volumes

Fuel tank	34 liters
Transmission	0.828 liter
Rear end	2.8 liters
Brake fluid	0.6 liter



Ma Wang Brand 51 Model
Three-Wheel Truck

Maker	Kuei Chou Sheng (STC 6311/1558/4164) Automobile Parts Manufacturing Plant
Year	May 1958
Model Nr	Ma Wang (STC 7456/3769) brand 51 model
Engine position	inside the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2

General Data

Empty weight	1500 kg, on:
front wheel	300 kg (20%)
rear end	1200 kg (80%)
Load capacity	on highway 2000 kg
Nr of seats	2
Weight after fully loaded	3500 kg, on:
front wheel	665 kg (19%)
rear end	3835 kg (81%)
Dimension: length	5100 mm
width	1680 mm
height	1860 mm

Inside measurement:	length	3100 mm
	width	1600 mm
	height	430 mm
Distance between axles		3300 mm
Distance between wheels	rear wheels	1460 mm
Minimum ground clearance	rear end	210 mm
Rear clearing angle		23°

Operational Data

Maximum speed	76 km/h
Minimum turning radius	4.2 meters
Maximum gradeability	14° or 25%
Maximum fording depth	330 mm
Fuel consumption rate (loaded)	8.35 liters/100 km
Cruising distance (one full tank)	420 km
Braking distance	on dry highway when speed is 35 km/h, less than 7 meters

Concise Specifications of the Engine

Maker	Kuei Chou Sheng Automobile Parts Manufacturing Plant
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, straight line
Bore and stroke	95 x 90 mm
Displacement	1.276 liter
Compression ratio	6 : 1
Maximum power	without governor 36 HP
Nr of crank shaft revolutions at maximum power	without governor 3600 rpm
Maximum torque	8.6 meters/2000 rpm
Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	down-draft type

Lubrication system:	pressure circulation type
oil pump	gear type
Cooling system	air-cooling type

Concise Specifications of the Chassis

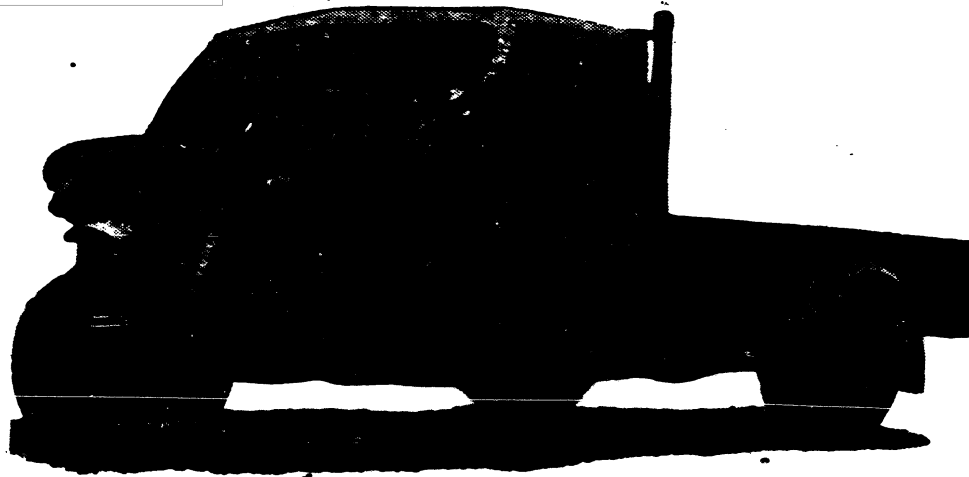
Clutch	single disc, dry plate type
Transmission	
speed ratio: first	5.16 : 1
second	2.99 : 1
third	1.82 : 1
fourth	1 : 1
reverse	6.19 : 1
Drive shaft:	
amount	1
universal joint, amount	2
Rear end:	
drive line:	single grade, speed reduction type
speed reduction ratio	6.83 : 1
axle	floating type
rear end housing	integral type
Wheel:	
type	steel disc type
size	16 x 5.00 F
Tire size	7.50 - 16
Suspension:	
front wheel	coil spring plus hydraulic shock absorber
rear end	semi-elliptical leaf spring
Steering:	worm column gear type
speed ratio	15 : 1
Braking system:	
foot brake	hydraulic type, acts on all wheels
hand brake	mechanical type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery: capacity	112 ampere-hour
grounding	positive pole
Spark plug	14 mm

Volumes

Lubrication oil tank	5 liters
Fuel tank	35 liters
Transmission	3 liters
Rear end	3 liters



Shang Hai 58-I Model
Three-Wheel Truck

Maker	Shang Hai (STC 0006/3189) Automobile Assembling Plant, Shang Hai Internal Combustion Engine Parts Manufacturing Plant, Shang Hai Automobile Chassis Works
Year	Dec 1957
Engine position	front
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2

General Data

Empty weight	1238 kg, on
front wheel	440 kg (35.5%)
rear end	798 kg (64.5%)
Load capacity	on highway 1000 kg
Nr of seats	2
Weight after fully loaded	2368 kg, on:
front wheel	528 kg (22.3%)
rear end	1840 kg (77.7%)

Dimension: length	4380 mm
width	1640 mm
height	1860 mm
Inside measurement:	
length	2500 mm
width	1450 mm
height	375 mm
Distance between axles	2780 mm
Distance between rear wheels	1404 mm
Minimum ground clearance	rear bridge 185 mm
Rear clearing angle	14°

Operational Data

Maximum speed	56 km/h
Economical speed	45 km/h
Minimum turning radius	4.4 meters
Maximum gradeability	21%
Maximum fording depth	370 mm
Fuel consumption rate (loaded)	10 - 13 liters/100 km
Cruising distance (one full tank)	189 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine

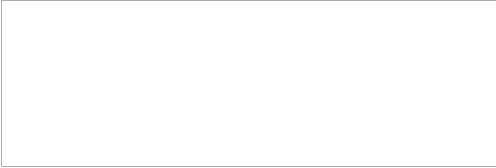
Maker	Shang Hai Inner Combustion Engine Parts Manufacturing Plant
Model Nr	58-1
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shape 90°
Bore and stroke	80 x 100 mm
Displacement	1.005 liter
Compression ratio	6.3 : 1
Maximum power	30 HP
Nr of crank shaft revolutions at maximum power	4000 rpm

Maximum torque	7 kg-meter/2500 rpm
Minimum fuel consumption rate	220 g/effective HP-hour
Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel filter	metal plate type
fuel pump	diaphragm type
carburetor	horizontal-draft type
air cleaner	oil bath type
Lubrication system:	
oil pump	dry oil plate, pressure lubricating type
oil filter, type and connection method	gear type
oil filter, type and connection method	metal plate type, connected between clutch pedal and drive shaft
Cooling system	pressure circulation water-cooling type

Concise Specifications of the Chassis

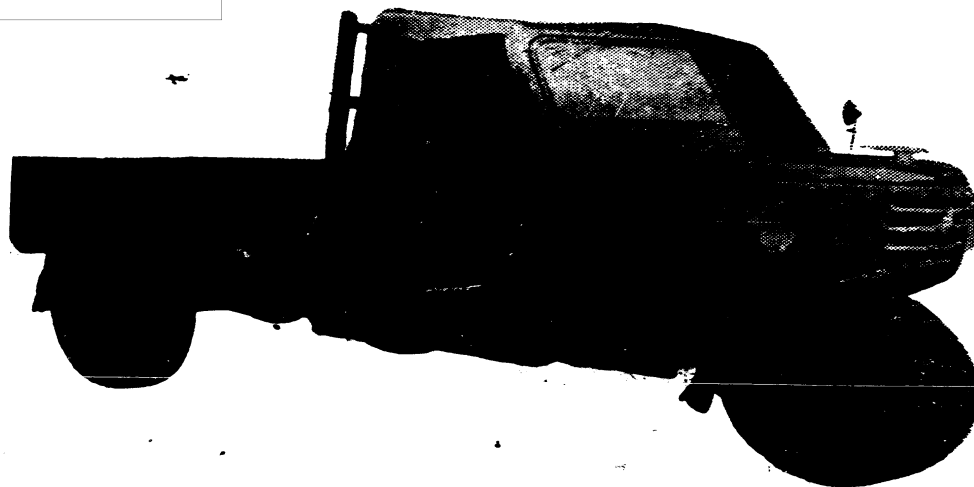
Clutch	single disc, dry plate type
Transmission	dog gear engager type
gear shift lever, position	on transmission cover
Speed ratio: first	4.57 : 1
second	2.793 : 1
third	1.611 : 1
fourth	1 : 1
reverse	6.093 : 1
Drive shaft	open type
amount	1
universal joint, amount	2
Rear end:	
drive line:	
type	single grade speed reduction type
speed reduction ratio	7.667 : 1
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type

Wheel: type	steel disc type
size: front	16 x 4.50 E
rear	16 x 5.50 F
Tire size: front	6.50 - 16
rear	7.00 - 16
Suspension:	
front wheel	coil spring, with hydraulic double-action shock absorber
rear end	semi-elliptical leaf spring (8 pieces), plus auxiliary spring (4 pieces)
Steering:	
type	single column worm rod type
speed ratio	15.6 : 1
Brake system, type:	
foot brake	hydraulic type, acts on rear wheels
hand brake	ratchet wheel type, acts on drive shafts
Concise Specifications of the Electric System	
Voltage of the whole system	6 volts
Battery:	
capacity	100 ampere-hour
grounding pole	positive pole
Generator:	
maximum output	140 watts
regulating means	with generator regulator
Starter:	
voltage	6 volts
power	0.8 HP
Distributor	centrifugal, automatic pre-igniting type
Ignition coil, model	common type
Apark plug:	
diameter at thread end	14 mm



Volumes

Lubrication oil tank	12 liters
Cooling system	5.5 liters
Fuel tank	28 liters
Transmission	0.7 liter
Rear end	1.8 liter



Shang Hai 58-II Model Three-Wheel Truck

Maker	Shang Hai Automobile Assembling Plant, Shang Hai Internal Combustion Engine Parts Manufacturing Plant, Shang Hai Automobile Chassis Works
Year	April 1958
Model	Shang Hai 58-II
Engine position	front
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2

General Data

Empty weight	1288 kg, on:
front wheel	424 kg (32.9%)
rear end	864 kg (67.1%)
Load capacity	on highway 1500 kg
Nr of seats	2
Weight after fully loaded	2918 kg, on:
front wheel	600 kg (21%)
rear end	2318 kg (79%)

Dimension:	length	4330 mm
	width	1700 mm
	height	1800 mm
Inside measurement:	length	2400 mm
	width	1500 mm
	height	370 mm
Distance between axles		2825 mm
Distance between wheels		rear wheel 1504 mm
Minimum ground clearance		rear end 240 mm

Operational Data

Maximum speed	72 km/h
Minimum turning radius	5.05 meters
Fuel consumption rate (loaded)	8 - 9 liters/100 km
Cruising distance (one full tank)	300 km
Braking distance	on dry highway when speed is 30 km/h, less than 8 meters

Concise Specifications of the Engine

Maker	Shang Hai Internal Combustion Engine Parts Manufacturing Plant
Model	58-II
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, level, facing each other
Bore and stroke	90 x 90 mm
Displacement	1.145 liter
Compression ratio	6.3 : 1
Maximum power	41 HP
Nr of crank shaft revolutions at maximum power	4000 rpm
Maximum torque	8.4 kg-meter/2800 rpm
Minimum fuel consumption rate	220 g/effective HP-hour
Cylinders firing order	1 - 2
Valve position	overhead

Fuel system:

fuel filter	metal plate type
fuel pump	diaphragm type
carburetor	level draft type, two engagements
air cleaner	two oil bath type

Lubrication system:

oil pump	pressure circulation and splashing combined type
	gear type

Cooling system

	pressure circulation water-cooling type
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Concise Specifications of the Chassis**Clutch**

	single disc dry plate type
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Transmission:

gear shift lever position	on transmission cover
speed ratio: first	4.99 : 1
second	2.68 : 1
third	1.65 : 1
fourth	1 : 1
reverse	5.41 : 1

Drive shaft:

amount	open type
universal joint, amount	1
	2

Rear end:

drive line	single grade, speed reduction type
speed reduction ratio	7.667 : 1
differential	cone-shaped straight-toothed type
axle	floating type
rear end housing	integral type

Wheel:

type	steel disc type
size	16 x 5.50 F

Tire size: front 7.00 - 16
 rear 7.50 - 16

Suspension:

front wheel coil spring, with hydraulic tubular shock absorber
 rear end semi-elliptical leaf spring (9 pieces) with auxiliary spring (5 pieces)

Steering

speed ratio 17.3 : 1

Brake system, type:

foot brake hydraulic type, acts on rear wheel
 hand brake ratchet type, acts on drive shaft

Concise Specifications of the Electric System

Voltage of the whole system 6 volts

Battery:

capacity 80 ampere-hour
 ground pole positive pole

Generator's maximum output 140 watts

Starter:

voltage 6 volts
 power 0.8 HP

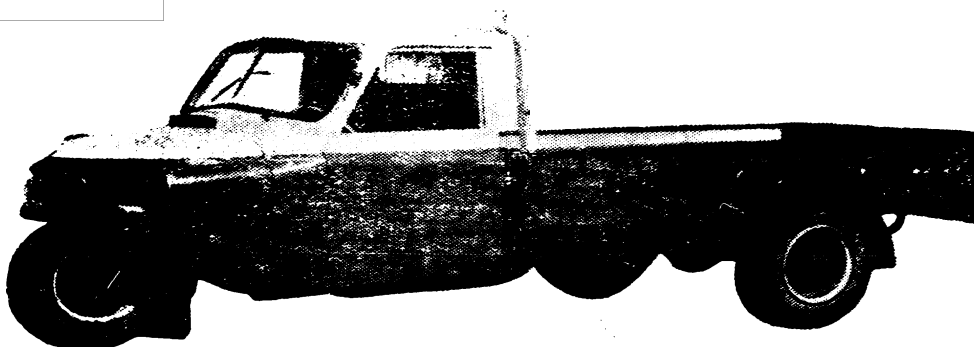
Distributor mechanical centrifugal advanced ignition type

Ignition coil, type 6 volts common type

Spark plug 14 mm

Volumes

Lubrication oil tank 5 liters
 Cooling system 7.5 liters
 Fuel tank 28 liters
 Transmission 0.7 liter
 Rear end 1.75 liter



Yang Ch'eng 58-I Model
Three-Wheel Truck

Maker	Kuang Chou (STC 1684/1558) Automobile Repair Shop of the Transportation Bureau, Communication Department of Kuang Tung Province
Year	May 1958
Model	Yang Ch'eng (STC 5017/1004) 58-I
Engine position	on right side of the driver's seat
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2 rear wheel drive
Body type	open type, with fence flap at the rear end
Nr of doors	2

General Data

Empty weight	1600 kg, on:
front wheel	600 kg (37.5%)
rear end	1000 kg (62.5%)
Load capacity:	
on highway	2000 kg
on dirt road	2000 kg
Passenger capacity	2
Nr of seats	2

Weight after fully loaded	3600 kg, on:
front wheel	684 kg (19%)
rear end	2916 kg (81%)
Dimension: length	5100 mm
width	1680 mm
height	1860 mm
Inside measurement: length	3100 mm
width	1500 mm
height	430 mm
Distance between axles	3300 mm
Distance between rear wheels	1460 mm
Minimum ground clearance	rear end 200 mm

Operational Data

Maximum speed	70 km/h
Economical speed	54 km/h
Minimum turning radius	4.2 meters
Maximum gradeability	18%
Fuel consumption rate (loaded)	12 liters/100 km
Cruising distance (one full tank)	316 km
Braking distance	on dry highway when speed is 30 km/h, less than 7 meters (not including the time of reaction)

Concise Specifications of the Engine

Maker	Kuang Chou Automobile Repair Shop of the Transportation Bureau, Communica- tion Department, Kuang Tung Province
Model	Yang Ch'eng 58-I
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, straight line
Bore and stroke	96 x 90 mm
Displacement	1.3 liter
Compression ratio	6 : 1
Maximum power	36 HP

Nr of crank shaft revolutions
at maximum power

3600 rpm

Maximum torque

8.6 kg-meter/2000 rpm

Cylinders firing order

1 - 2

Valve position

overhead

Fuel system:

fuel filter

copperscreen filter

fuel pump

diaphragm type

carburetor

down draft type

air cleaner

dry type

Lubrication system:

pressure and splashing combined type

oil pump

gear type

Cooling system

water-cooling system

Concise Specifications of the Chassis

Clutch

single disc dry plate type

Transmission:

gear shift lever position

on transmission cover

speed ratio: first

5.156 : 1

second

2.99 : 1

third

1.824 : 1

fourth

1 : 1

reverse

6.19 : 1

Drive shaft:

open type

amount

1

universal joint, type
and amount

rigid type, 2

Rear end:

drive line: type

single grade, speed reduction type

speed reduction
ratio

6.83 : 1

axle

floating type

rear end housing

separate type

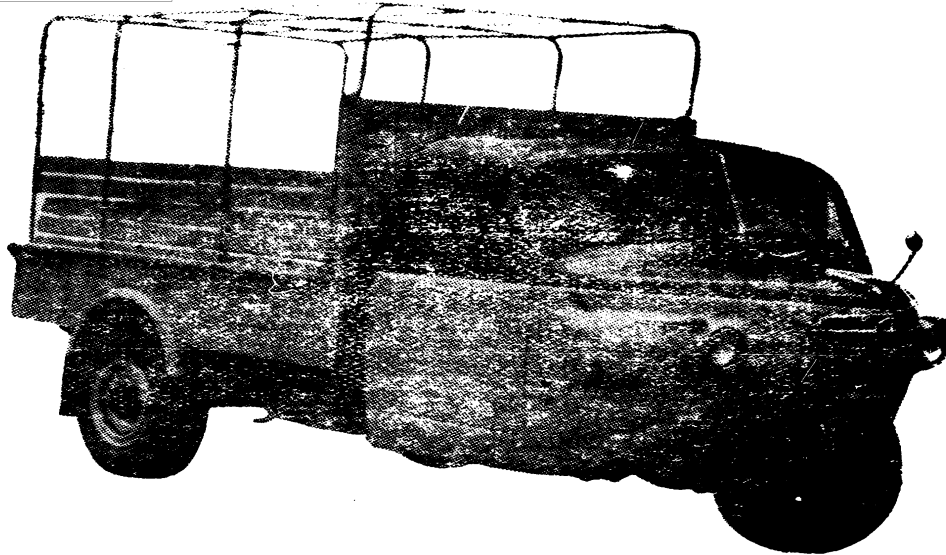
Wheels	steel disc separable type
Tire size: front	6.50 - 16, 8 layers
rear	7.50 - 16, 12 layers
Frame	U-shaped steel members welded together
Suspension:	
front wheel	coil spring with hydraulic shock absorber
rear end	semi-elliptic leaf spring
Steering:	
type	worm column gear type
speed ratio	15 : 1
Brake system:	
foot brake	hydraulic type
hand brake	external contraction type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	110 ampere-hour
grounding pole	positive pole
Generator's regulating means	triple-set regulator
Spark plug	14 mm

Volumes

Lubrication oil tank	4 liters
Cooling system	15 liters
Fuel tank	40 liters
Transmission	2 liters
Rear end	2 liters



Nan Ching Brand Three-Wheel Truck

Maker	Nan Ching (STC 0589/0079) Automobile Repair Shop and Yang Chou (STC 2254/1558) Automobile Repair Shop of Chiang Su province
Year	May 1958
Brand	Nan Ching brand
Engine position	in the center of the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo
Nr of doors	2

General Data

Empty weight	1322 kg, on:
front wheel	476 kg (36%)
rear end	846 kg (64%)
Load capacity	on highway 2000 kg
Nr of seats	2
Weight fully loaded	3432 kg, on:
front wheel	679 kg (20%)
rear end	2753 kg (80%)

Dimension: length	4230 mm
width	1700 mm
height	2500 mm
Inside measurement:	
length	2350 mm
width	1524 mm
height	1625 mm
Distance between axles	2850 mm
Distance between wheels	rear wheels 1455 mm
Minimum ground clearance	rear bridge 180 mm
Rear clearing angle	36°

Operational Data

Maximum speed	65 km/h
Minimum turning radius	6 meters
Maximum gradeability	25%
Maximum fording depth	250 mm
Fuel consumption rate (loaded)	10 liters/100 km
Cruising distance (one full tank)	340 km
Braking distance	on dry highway when speed is 35 km/h, less than 10.5 meters

Concise Specifications of the Engine

Maker	Nan Ching Automobile Repair Shop of Chiang Su province
Model Nr	558 A
Type	four-stroke, gasoline engine
Nr of cylinders and arrangement	two-cylinder, V-shape 76°
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	42 HP
Nr of crank shaft revolutions at maximum power	3500 rpm
Maximum torque	9.7 kg-meter/2600 rpm

Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	double-inlet, parallel-action type
air cleaner	oil pool and metal screen combined type
Lubrication system:	
type	pressure and splashing combined type
oil pump	gear type
Cooling system	air-cooling type

Concise Specification of the Chassis

Clutch	single disc, dry plate type
Transmission:	
type	three-rail type
speed ratio: first	4.97 : 1
second	2.98 : 1
third	1.67 : 1
fourth	1 : 1
reverse	5.45 : 1
Drive shaft:	
type	open type
amount	1
universal joint, type	rubber screen
Rear end:	
drive line speed reduction ratio	6.67 : 1
axle	floating type
rear end housing	integral type
Front end	no front axle, extension-contraction type fork
Wheel size: front	16 x 4.50 E
rear	16 x 5.50 E

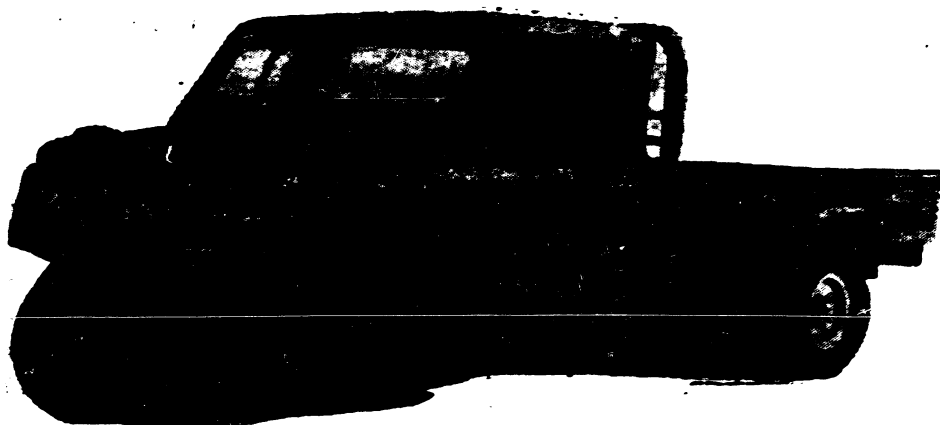
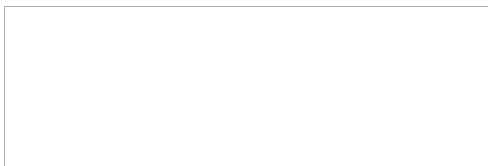
Tire size: front		6.50 - 16, 6 layers
rear		7.50 - 16, 12 layers or 7.00 - 16, 10 layers
Frame, type		made of grooved steel plate
Suspension:		
front wheel		coil spring with hydraulic shock absorber
rear end		leaf spring
Steering:		
type		worm-column and fan-shaped gear
speed ratio		17.36 : 1 (disc on left)
Brake system, type:		
foot brake		hydraulic type, acts on rear wheels
hand brake		mechanical type, acts on rear wheels
Concise Specifications of the Electric System		
Voltage of the whole system		6 volts
Battery:		
capacity		80 ampere-hour
grounding pole		negative pole
Generator's regulating means		double-connected regulator
Starter: voltage		6 volts
power		0.272 HP
Distributor		centrifugal and vacuum forward lead type
Spark plug		14 mm
Volumes		
Lubrication oil tank		10 liters
Carburetor's air cleaner		0.6 liter
Fuel tank		34 liters
Transmission		0.825 liter
Steering		0.25 liter
Rear end		2.7 liters
Brake fluid		0.272 liter

Cylinders firing order	1 - 2
Valve position	overhead
Fuel system:	
fuel pump	diaphragm type
carburetor	double-inlet, parallel-action type
air cleaner	oil pool and metal screen combined type
Lubrication system:	
type	pressure and splashing combined type
oil pump	gear type
Cooling system	air-cooling type

Concise Specification of the Chassis

Clutch	single disc, dry plate type
Transmission:	
type	three-rail type
speed ratio: first	4.97 : 1
second	2.98 : 1
third	1.67 : 1
fourth	1 : 1
reverse	5.45 : 1
Drive shaft:	
type	open type
amount	1
universal joint, type	rubber screen
Rear end:	
drive line speed reduction ratio	6.67 : 1
axle	floating type
rear end housing	integral type
Front end	no front axle, extension-contraction type fork
Wheel size: front	16 x 4.50 E
rear	16 x 5.50 E

	
Tire size: front	6.50 - 16, 6 layers
rear	7.50 - 16, 12 layers or 7.00 - 16, 10 layers
Frame, type	made of grooved steel plate
Suspension:	
front wheel	coil spring with hydraulic shock absorber
rear end	leaf spring
Steering:	
type	worm-column and fan-shaped gear
speed ratio	17.36 : 1 (disc on left)
Brake system, type:	
foot brake	hydraulic type, acts on rear wheels
hand brake	mechanical type, acts on rear wheels
Concise Specifications of the Electric System	
Voltage of the whole system	6 volts
Battery:	
capacity	80 ampere-hour
grounding pole	negative pole
Generator's regulating means	double-connected regulator
Starter: voltage	6 volts
power	0.272 HP
Distributor	centrifugal and vacuum forward lead type
Spark plug	14 mm
Volumes	
Lubrication oil tank	10 liters
Carburetor's air cleaner	0.6 liter
Fuel tank	34 liters
Transmission	0.825 liter
Steering	0.25 liter
Rear end	2.7 liters
Brake fluid	0.272 liter



Huang Ho Brand Three-Wheel Truck

Maker	Ian Chou Shih (STC 5695/1558/1579) Automobile Repair Shop
Year	1958
Brand	Huang Ho (STC 7806/3109) brand
Engine position	inside the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2

General Data

Empty weight	1200 kg, on:
front wheel	340 kg (28.3%)
rear end	860 kg (71.7%)
Load capacity	on highway 1500 kg
Weight fully loaded	2700 kg, on:
front wheel	513 kg (19%)
rear end	2187 kg (81%)
Dimension: length	4200 mm
width	1685 mm
height	1920 mm

Distance between axles	2550 mm
Distance between wheels	rear wheels 1270 mm
Minimum ground clearance	rear end 200 mm
Front approaching angle	54°
Rear clearing angle	30°

Operational Data

Maximum speed	60 km/h
Minimum turning radius	4.3 meters
Maximum gradeability	20%
Braking time	when speed is 30 km/h, 3 seconds

Concise Specifications of the Engine

Maker	Lan Chou Shih Automobile Repair Shop
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shape
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	34 HP
Cylinders firing order	1 - 2
Cooling system	air-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Tire size	7.00 - 16

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
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Chiang Huai Brand Three-Wheel Truck

Maker	Ho Fei (STC 3109/5142) Automobile Repair Shop
Year	May 1958
Brand	Chiang Huai (STC 3068/3232) brand
Engine position	inside the driver's compartment
Type of vehicle	three-wheel truck

Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2

General Data

Empty weight	1100 kg, on:
front wheel	209 kg (19%)
rear end	891 kg (81%)
Load capacity:	
on highway	2000 kg
on dirt road	1600 kg
Weight fully loaded	3100 kg, on:
front wheel	589 kg (19%)
rear end	2511 kg (81%)
Dimension: length	4170 mm
width	1660 mm
height	1865 mm
Inside measurement:	
length	2385 mm
width	1542 mm
height	360 mm
Distance between axles	2800 mm
Distance between wheels	rear wheels 1450 mm
Minimum ground clearance	rear end 200 mm
Rear clearing angle	27°

Operational Data

Maximum speed	72 km/h
Minimum turning radius	3.8 meters
Maximum gradeability	30°
Maximum fording depth	500 mm

Fuel consumption rate (loaded)	7 liters/100 km
Cruising distance (one full tank)	315 km
Braking distance	on dry highway when speed is 35 km/h, less than 8 meters

Concise Specifications of the Engine

Maker	Ho Fei Automobile Repair Shop
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder, V-shape
Bore and stroke	95 x 90 mm
Displacement	1.276 liter
Compression ratio	6 : 1
Maximum power	36 HP
Nr of crank shaft revolutions at maximum power	3600 rpm
Cylinders firing order	1 - 2
Valve position	valve-in-side
Fuel system:	
fuel filter ¹	cup type
fuel pump	diaphragm type
carburetor	down draft type
Lubrication system	pressure circulation type
Cooling system	air-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
Transmission	three forward gears and one reverse gear
Drive shaft:	
type	open type
amount	1
universal joint, amount	2
Tire size	7.00 - 16
Frame, type	two vertical members



Suspension:

front wheel

coil spring

rear end

semi-elliptical leaf spring

Steering

double-fork type

Brake system, type:

foot brake

hydraulic type

hand brake

lever type

Concise Specifications of the Electric System

Voltage of the whole system

6 volts

Battery:

capacity

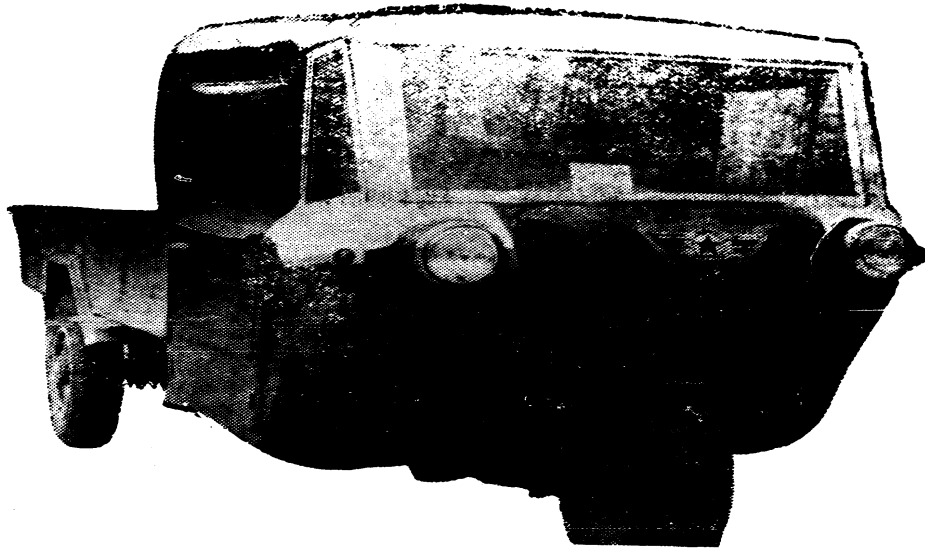
116 ampere-hour

grounding pole

negative pole

Generator's maximum output

35 amperes



Chiang Huai Brand Three-Wheel Truck

Maker	Ho Fei Farming Implement Factory
Year	April 1958
Brand	Chiang Huai brand
Engine position	in the center of the driver's compartment
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck, the rear end may be opened
Nr of doors	2

General Data

Empty weight	800 kg, on:
front wheel	266 kg (33%)
rear end	534 kg (67%)
Load capacity:	
on highway	1500 - 2000 kg
on dirt road	1000 - 1500 kg

Passenger capacity	20
Nr of seats	2
Weight after fully loaded	2000 kg, on:
front wheel	650 kg (32.5%)
rear end	1350 kg (67.5%)
Dimension: length	4000 mm
width	1650 mm
height	1900 mm
Inside measurement:	
length	2380 mm
width	1550 mm
height	370 mm
Distance between axles	2650 mm
Distance between rear wheels	1450 mm
Minimum ground clearance	rear end 230 mm

Operational Data

Maximum speed	6 km/h
Economical speed	20 km/h
Minimum turning radius	4.5 meters
Maximum gradeability	30°
Maximum fording depth	450 mm
Fuel consumption rate (loaded)	10 liters/100 km
Cruising distance (one full tank)	200 km
Braking distance	on dry highway when speed is 40 - 45 km/h, less than 6 meters

Concise Specifications of the Engine

Maker	Ho Fei Farming Implement Factory
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder V-shape
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1

Maximim power:

without governor	42 HP
with governor	30 HP

Nr of crank shaft revolutions at maximum power:

without governor	3200 rpm
with governor	2000 rpm

Maximum torque	9.7 kg-meter/2600 rpm
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Cylinders firing order	1 - 2
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Valve position	overhead
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Fuel system:

fuel pump	diaphragm type
carburetor	level draft type
air cleaner	round screen type

Lubrication system:

oil filter	felt filter type
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Cooling system	air-cooling type
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Concise Specifications of the Chassis

Drive shaft:	open type
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amount	1
universal joint, type	soft type

Wheel:

type	steel disc type
size	16 x 4.50 E

Tire size: front	6.00 - 16
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rear	6.50 - 16
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Suspension:

front wheel	coil spring with hydraulic shock absorber
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rear end	vertical semi-elliptical leaf spring
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Steering	handle type
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Braking system:

foot brake

hydraulic type

hand brake

lever type

Concise Specifications of the Electric System

Voltage of the whole system

6 volts

Battery's capacity

120 ampere-hour

Generator:

maximum output

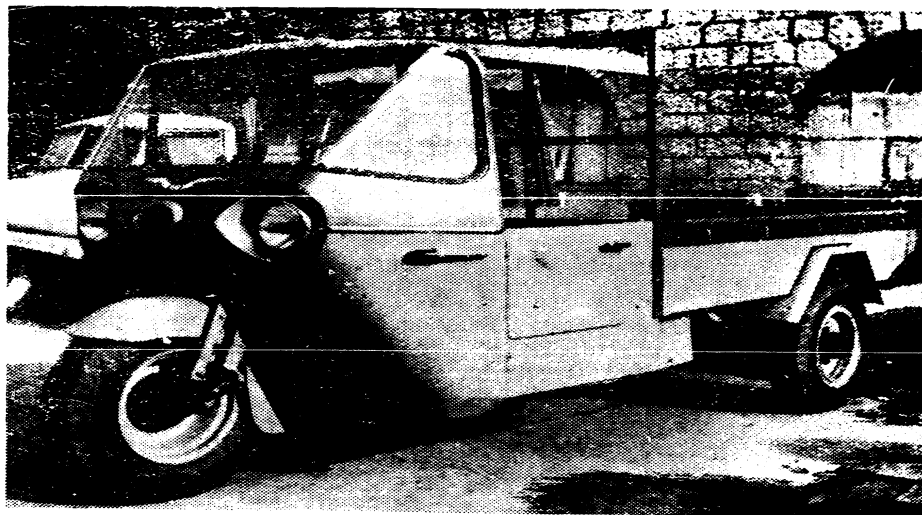
35 amperes

regulating means

two sets of regulators

Spark plug

14 mm



Fu Chou Brand Three-Wheel Truck

Maker	Local State-Operated Fu Chou (STC 4395/1558) Automobile Repair Shop
Year	May 1958
Brand	Fu Chou brand
Engine position	front
Type of vehicle	three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body, type	iron plated cargo truck
Nr of doors	2

General Data

Empty weight	1322 kg, on:
front wheel	476 kg (36%)
rear end	846 kg (64%)
Load capacity	on highway 2000 kg
Passenger capacity	2
Weight fully loaded	3432 kg, on:
front wheel	679 kg (19.8%)
rear end	2753 kg (80.2%)

Dimension: length:	4230 mm
width:	1685 mm
height:	1885 mm

Inside measurement:

length	2385 mm
width	1570 mm
height	370 mm

Distance between axles:	2825 mm
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Distance between rear wheels	1455 mm
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Operational Data

Maximum speed	60 km/h
Economical speed	35 - 40 km/h
Fuel consumption rate (loaded)	10 liters/100 km
Cruising distance (one full tank)	340 km

Concise Specifications of the Engine

Maker	Local State-Operated Fu Chou Automobile Repair Shop
Model Nr	851 model
Type	four-stroke, carburetor type
Nr of cylinders and arrangement	two-cylinder V-shape 76°
Bore and stroke	90 x 110 mm
Displacement	1.4 liter
Compression ratio	5.7 : 1
Maximum power	42 HP
Nr of crank shaft revolutions at maximum power	3500 rpm
Maximum torque	9.7 kg-meter/2600 rpm
Valve position	overhead
Fuel system:	
fuel filter	copper screen type
carburetor	double-inlet level draft type
air cleaner	oil bath type

Lubrication type:	pressure circulation type (dry crank case)
oil pump	gear type
oil filter's connection method	parallel
Cooling system	air-cooling type

Concise Specifications of the Chassis

Clutch	single disc dry plate type
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Transmission:

speed ratio: first	4.97 : 1
second	2.98 : 1
third	1.67 : 1
fourth	1.00 : 1
reverse	5.45 : 1

Drive shaft:

amount	1
universal joint, type and amount	soft type, 2

Rear end

drive line :	
type	single grade speed reduction type
speed reduction ratio	6.67 : 1
axle	floating type
rear end housing	integral type

Wheel, type

steel disc type

Tire size: front

6.50 - 16

rear

7.50 - 16

Frame type

grooved steel frame

Suspension:

front wheel	coil spring
rear end	semi-elliptical leaf spring

Brake system, type:

foot brake	hydraulic type
hand brake	mechanical type

Concise Specifications of the Electric System

Voltage of the whole system	6 volts
Battery:	
capacity	95 ampere-hour
grounding pole	negative pole
Generator: maximum output	25 amperes
regulating means	compound type automatic regulator
Starter:	
voltage	6 volts
power	0.8 HP
Spark plug	14 mm
Volumes	
Lubrication oil tank	5.5 liters
Carburetor's air cleaner	0.35 liter
Fuel tank	34 liters
Transmission	0.825 liter
Rear end	2.8 liters



Ch'eng Feng Brand Three-Wheel Truck

Maker	Communication and Transportation Bureau of Shanghai
Year	1958
Type of vehicle	three-wheel truck
Maximum power	30 HP/4000 rpm
Empty weight	1230 kg
Load capacity	1000 kg
Maximum speed	66 km/h
Fuel consumption rate	10 - 13 liters/100 km



Hsiang Chiang - 40 Model Small Three-Wheeler

Maker

State-Operated Hsiang Chiang
(STC 3276/3068) Machine Factory

Year

May 1958

Special points: The outside is like a streamlined boat with a length of less than 2 meters and width of one meter. It is light and can be lifted by two persons. It can carry four persons and consumes little fuel. There are three wheels two in front for driving and one in the rear for steering.

6. SPECIAL VEHICLES

Chieh Fang Brand CA-40 Model Dump Truck

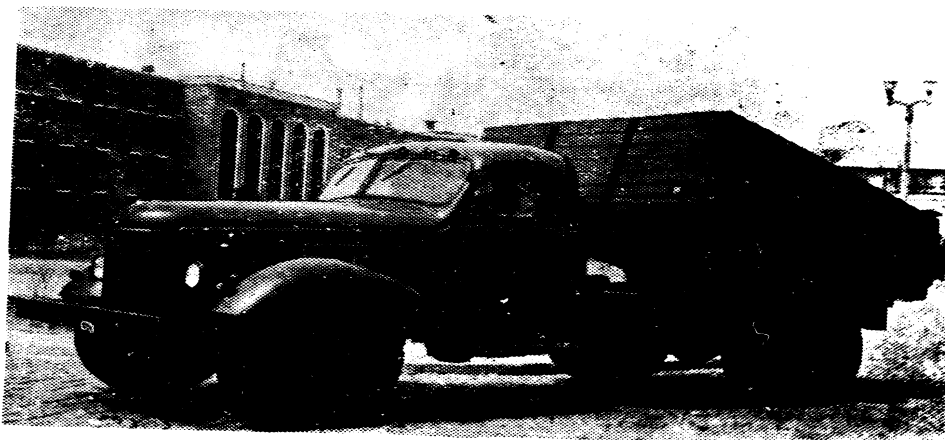
Maker	First Automobile Manufacturing Plant
Year	1958
Brand and model	Chieh Fang (STC 6043/2397) brand CA-40
Body, type	all metal rear tilting type
Vehicle weight	4200 kg
Load capacity	3500 kg
Gross weight	7700 kg
Dimension: length	5940 mm
width	2290 mm
height	2180 mm
Front approaching angle	40°
Rear clearing angle	50°
Distance between axles	400 mm
Distance between wheels:	
front wheels	1700 mm
rear wheels	1740 mm
Minimum ground clearances:	
front end	325 mm
rear end	265 mm

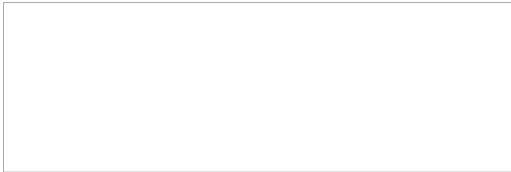
Inside measurement:

length	2250 mm
top width	2060 mm
width of middle part	1880 mm
bottom width	1495 mm
height of front and rear fencing boards	610 mm
height of side fencing boards	500 mm
Body capacity	2.4 cubic meters
Dumping angle	48°
Dumping time	
up	less than 15 seconds
down	less than 20 seconds
Hoist mechanism:	hydraulic single-cylinder two-stage telescopic type

Engine and Chassis

(same as Chieh Fang brand CA-10 model truck)



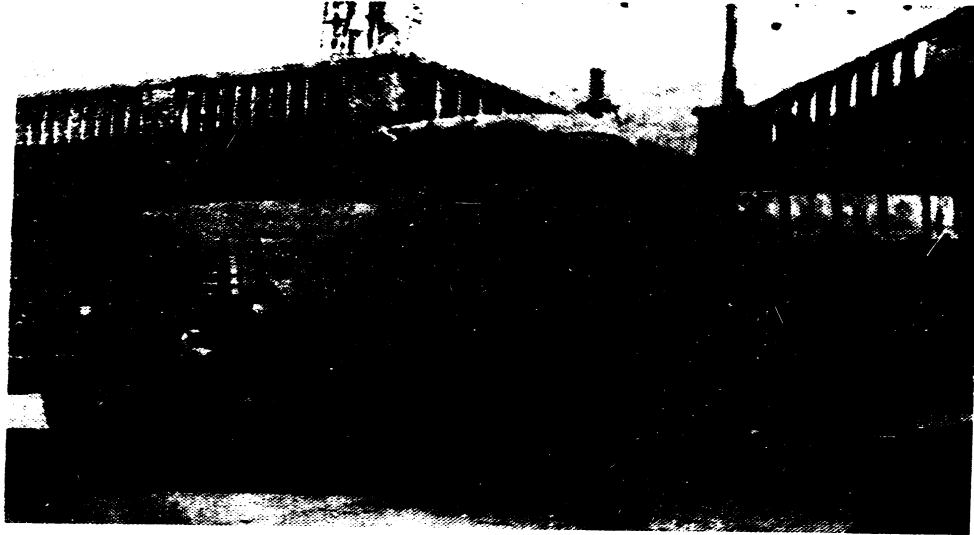


Chieh Fang Brand Wooden Body Dump Truck

Maker	First Automobile Manufacturing Plant
Year	1958
Body, type	wooden, rear dump type
Load capacity	3500 kg
Hoist mechanism	hydraulic single-cylinder, two-stage telescope type

Engine and Chassis

(same as Chieh Fang brand CA-10 model truck)



Chieh Fang Brand 41-Model Dump Truck

Maker	Pei Ching (STC 0554/0079) Automobile Manufacturing Plant, Branch Plant
Year	1958
Model	Chieh Fang brand 41
Body, type	three sides tilt-unloading type
Vehicle weight	4200 kg
Load capacity	3500 kg
Body capacity	2.9 cubic meters
Body dumping angles:	
rear dumping	48°
side dumping	45°
Dumping time:	
up	less than 15 seconds
down	less than 20 seconds
Hoist mechanism	hydraulic single-cylinder two-stage telescopic type

Engine and Chassis

(same as Chieh Fang brand CA-10 model truck)

Chieh Fang Brand 40 Model Dump Truck

Maker	Pei Ching Automobile Manufacturing Plant, Branch Plant
Year	1958
Brand and model	Chieh Fang brand CA-10
Body, type	rear dumping type
Vehicle weight	4050 kg
Load capacity	3500 kg
Body capacity	2.4 cubic meters
Dumping angle	48°
Dumping time:	
up	less than 15 seconds
down	less than 20 seconds
Hoist mechanism:	hydraulic single-cylinder two-stage telescopic type

Engine and Chassis

(same as Chieh Fang brand CA-10 truck)

Chieh Fang Brand 58-5 Model Dump Truck

Maker	Shen Yang (STC 3476/7122) Automobile Assembling Plant
Year	1958

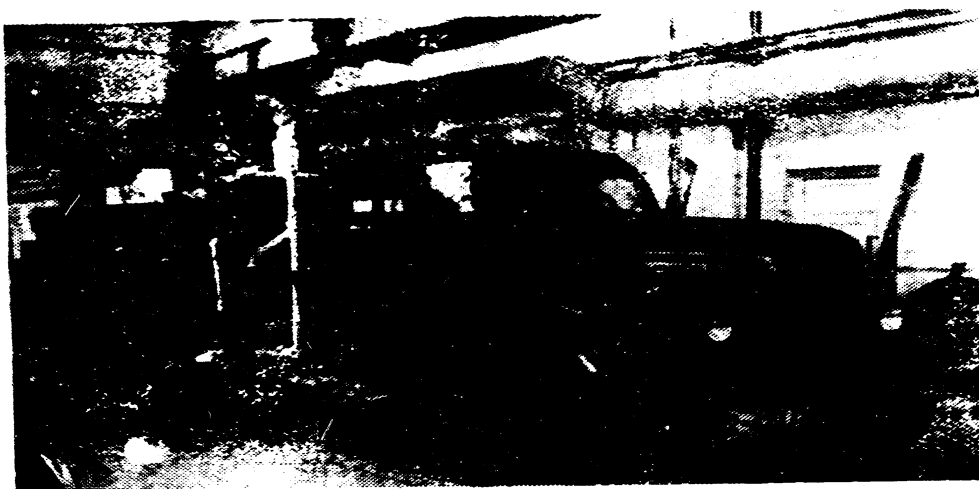
Engine and Chassis

(same as Chieh Fang brand CA-10 model truck)



Chieh Fang Brand Sprinkler

Maker	First Automobile Manufacturing Plant
Year	1958
Water capacity	3500 kg



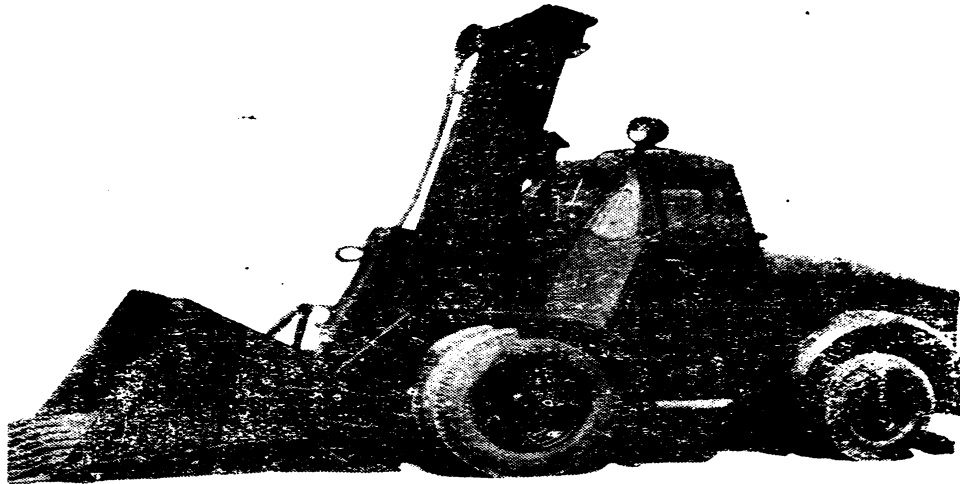
Chieh Fang Brand CA-10F Coal Gas Truck

Maker

First Automobile Manufacturing Plant

Year

1958



Chieh Fang 51 Model All-Purpose Loader

Maker	Pei Ching Automobile Manufacturing Plant, Branch Plant
Year	1958
Model	Chieh Fang 51
Engine position	front
Type of vehicle	all-purpose loader
Nr of axles and Nr of driving axles	2 x 1
Vehicle weight	6400 kg
Gross weight	11400 kg
Hoist load:	
fork	5000 kg
arm	2500 kg
carrier	4000 kg
Lift time:	
fork and carrier	with load 8.2 meters/min without load 11 meters/min
arm	with load 17 meters/min without load 20 meters/min

Verticle frame, angle:

tilting forward	3°
-----------------	----

tilting backward	10°
------------------	-----

Lift height of verticle frame	4 meters
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Pressure of hydraulic lifter	75 kg/cm ²
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Distance between axles	2200 mm
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Distances between wheels:

front wheels	1740 mm
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rear wheels	1415 mm
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Ground clearance	front bridge 230 mm
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Minimum turning radius	4 meters
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Maximum speed:

forward gear	35 km/h
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reverse gear	40 km/h
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Engine, clutch and transmission:

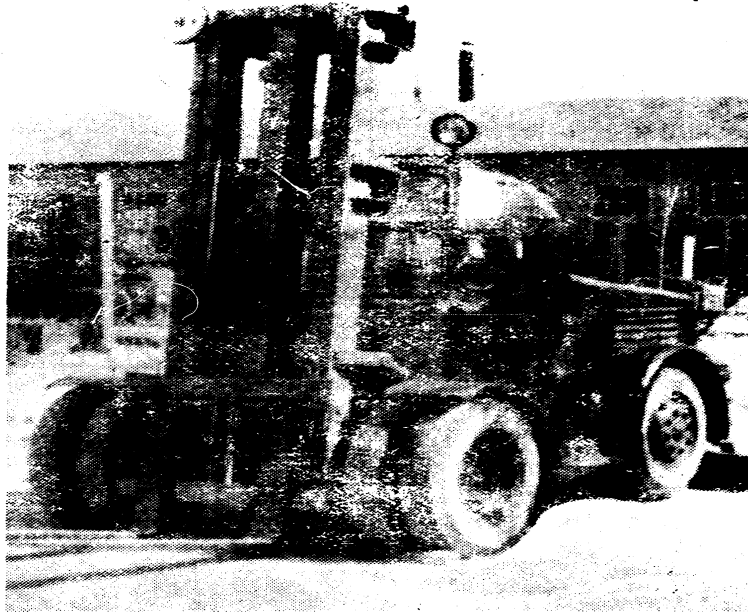
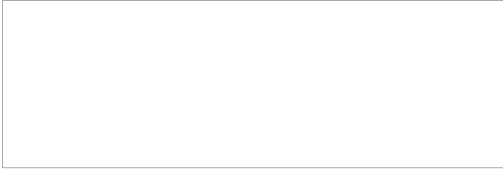
same as the Ke Shih (STC 2706/2448)-51 model truck

Front axle (driving type) steering system and brake system are all the same as the Chieh Fang brand CA-10 model truck

Rear end	steering axle
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Tire size: front wheel	8.25 - 10
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rear wheel	8.25 - 15
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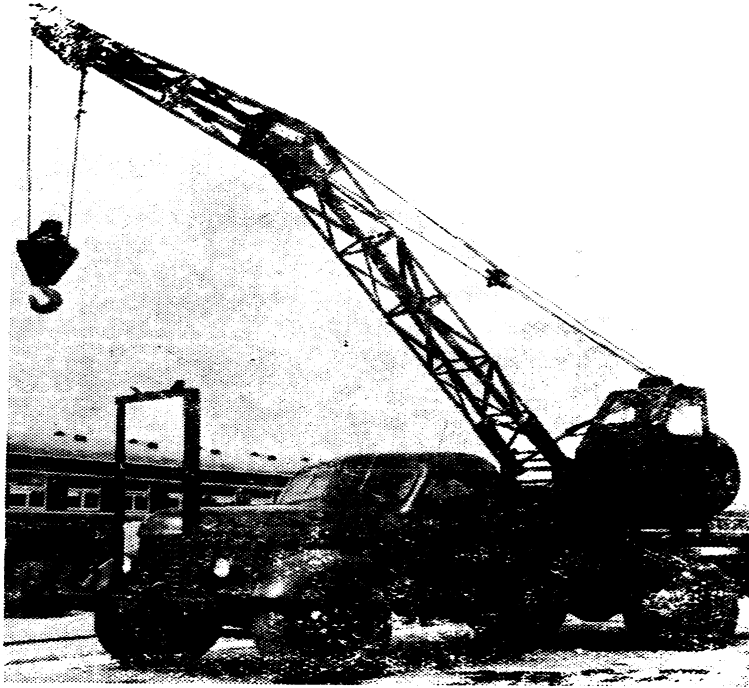
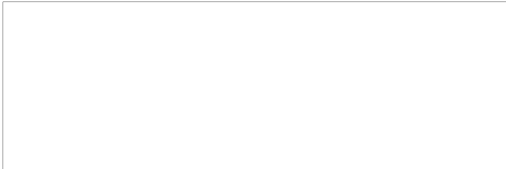
All-Purpose Fork Lift

Maker

Ta Lien (STC 1129/6647)
Machine Works

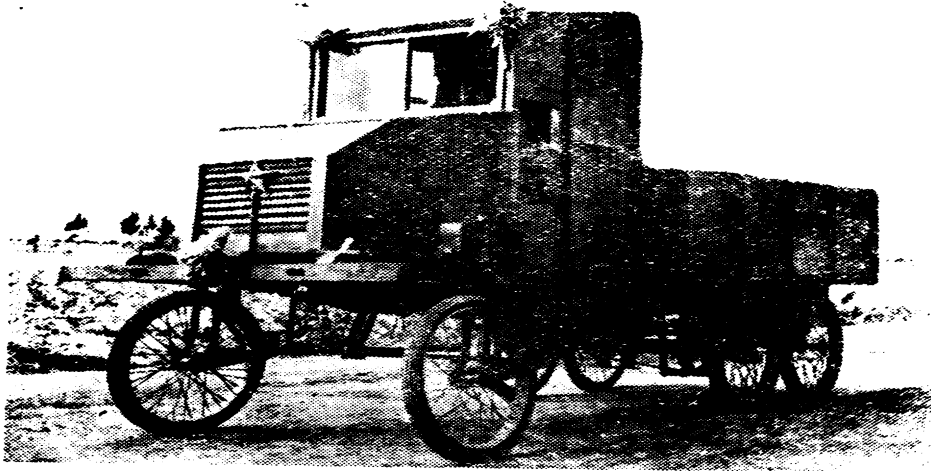
Year

1958



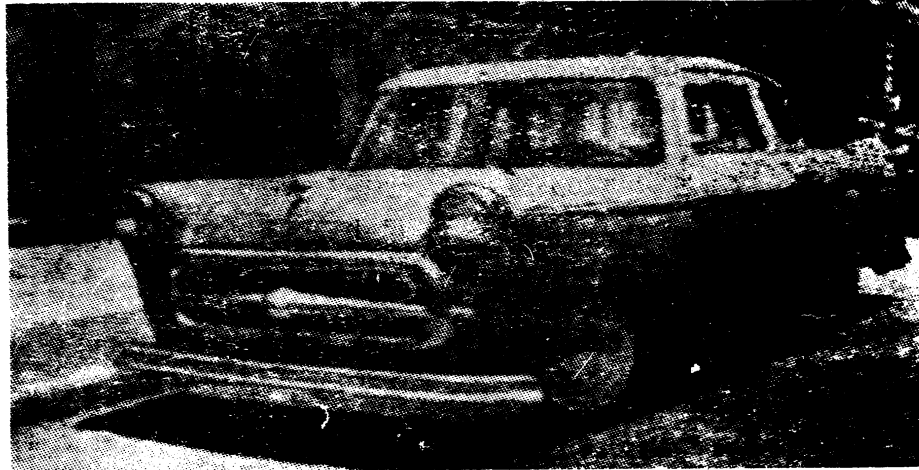
Crane

Maker	Pei Ching Machine Works
Year	1958
Lifting mechanism	arm type
Hoist weight	3000 kg
Remarks:	This crane is based on the Chieh Fang brand CA-10 model truck



Small Wooden Truck

Maker	Old Town Iron and Timber Works of Kao Tang hsien (3653N/11613E), Shan Tung province
Year	1958
Designer	Wang Yu-tai (STC 3769/3768/3782), party committee secretary of that hsien and Wu Hsiao-chung (STC 0702/ 1321/1813), a worker of that factory
Pay load	1000 kg
Maximum speed	12.5 km/h
Engine	6 HP kerosene engine
Wheel	bicycle wheels
Usage:	for rural field transportation, it can also pull water pumps, mills, etc.

7. ELECTRIC CARS

Hung Ch'i Brand Electric Sedan

Maker	Shen Chung Hua (STC 1957/0022/5478) Automobile Parts Factory
Year	Jun 1958
Brand	Hung Ch'i (STC 4767/2475) brand
Type of vehicle	electric sedan
Nr of axles and Nr of driving axles	chain driven
Body type	closed type
Nr of doors	2

General Data

Vehicle weight	1140 kg, on:
front end	470 kg (41%)
rear end	670 kg (59%)
Load capacity	on highway 260 kg
Passenger capacity	4 - 5
Nr of seats	4 - 5
Weight fully loaded	1400 kg, on:
front end	650 kg (46.5%)
rear end	750 kg (53.5%)

Dimension:	length	3950 mm
	width	1300 mm
	height	1590 mm
Distance between axles:		2250 mm
Distance between wheels:		
	front wheels	1100 mm
	rear wheels	1205 mm
Minimum ground clearance		140 mm

Operational Data

Maximum speed	35 - 40 km/h
Minimum turning radius	3.5 meters
Maximum	17%
Cruising range (one full charge)	100 km
Braking distance	on dry highway when speed is 30 km/h, less than 7 - 8 meters

Concise Specifications of the Motor

Maker	Shang Tien (STC 0006/7193) Motor Factory
Type	direct current
Maximum power	2.2 HP
Maximum torque	6 kg-meter

Concise Specifications of the Chassis

Transmission	3 forward gears and 3 reverse gears
gear shift lever position	beneath the steering wheel
Rear end:	
drive line speed reduction ratio	6 : 1
differential	electrically operated
Front end	I-beam
Wheel:	
type	steel disc type
size	15 x 3.00 E

Tire size	4.00 - 15
Suspension:	
front end	horizontal arm type leaf spring
rear end	semi-elliptical leaf spring
Steering	worm column and single knuckle type
Brake system:	
foot brake	mechanical type
hand brake	mechanical type

Concise Specifications of the Electric System

Voltage of the whole system:

lights and horn	12 volts
power	48 volts

Battery:

capacity	150 ampere-hour
grounding pole	positive pole

Fei Ma Brand Electric Truck

Maker	Joint State-Private Shanghai Municipal Automobile Repair Shop
Year	July 1958
Brand	Fei Ma (STC 7378/7456) brand
Type of vehicle	electric four-wheel small truck
Nr of axles and Nr of driving axles	2 x 1
Body type	open truck with fence flaps on three sides
Nr of doors	2

General Data

Vehicle weight	700 km, on:
front end	375 kg (53.3%)
rear end	325 kg (46.7%)
Load capacity	300 kg
Nr of seats	2

Dimensions:	length	3120 mm
	width	1400 mm
	height	1800 mm

Inside measurements:

length	1737 mm
width	1350 mm
height	375 mm

Distance between axles:	1770 mm
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Distance between wheels:

front wheels	1136 mm
rear wheels	1152 mm

Minimum ground clearances:

front end	200 mm
rear end	210 mm

Front approaching angle	30°
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Rear clearing angle	45°
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Operational Data

Maximum speed	22 km/hour
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Concise Specifications of the Chassis

Rear end:

drive line, type and speed reduction ratio	gear engagement, 3 : 1
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Front end	I-beam
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Tire size	4.00 - 19
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Suspension:

front end	vertical semi-elliptical leaf spring
rear end	vertical semi-elliptical leaf spring

Steering	worm column type
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Brake system, type:

foot brake	hydraulic type
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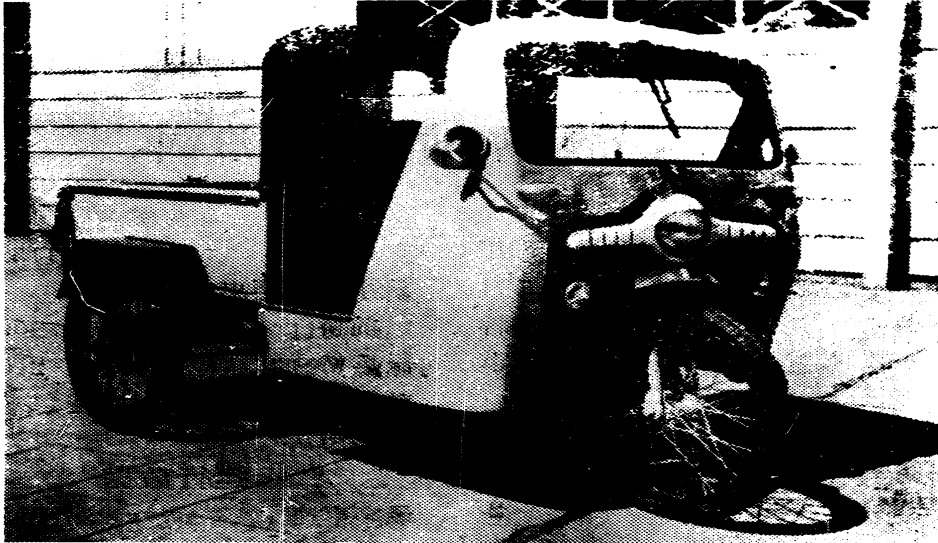
Concise Specifications of the Electric System

Voltage of the whole system 30 - 36 volts

Battery:

 capacity 157 ampere-hour

 grounding pole negative pole

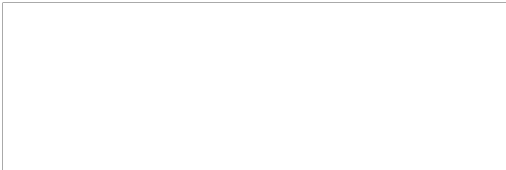


Fei Ma Brand Electric Three-Wheel Truck

Maker	Joint State-Private Shanghai Municipal Automobile Repair Shop
Year	June 1958
Brand	Fei Ma brand
Type of vehicle	electric three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	bamboo cargo truck
Nr of doors	2

General Data

Vehicle weight	650 kg, on:
front wheel	285 kg (43.9%)
rear end	365 kg (56.1%)
Load capacity	on highway 300 kg
Nr of seats	2
Dimensions: length	3180 mm
width	1460 mm
height	1680 mm



Inside measurements:

length	1570 mm
width	1030 mm
height	370 mm
Distance between axles	2160 mm
Distance between wheels	rear wheels 1316 mm

Operational Data

Maximum speed	27 km/h
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Concise Specifications of the Chassis

Rear end

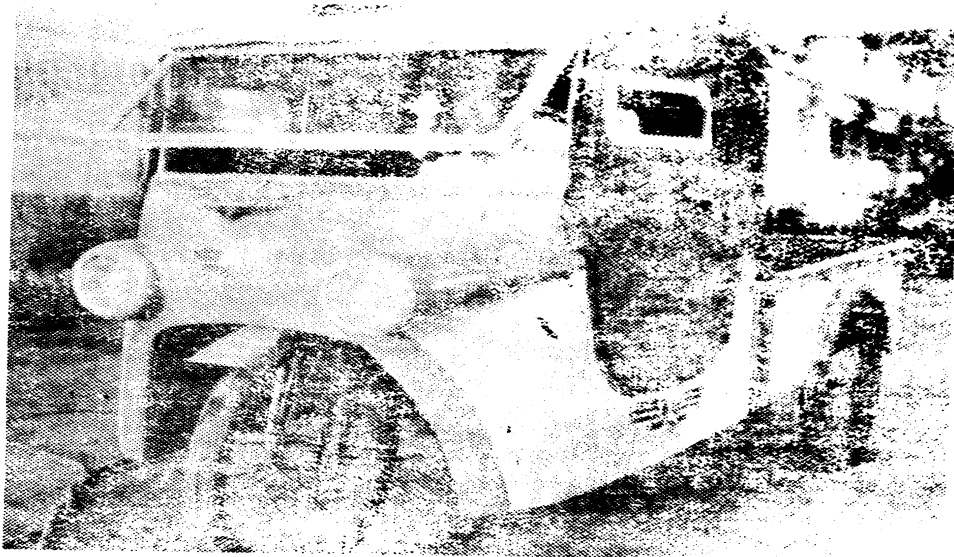
drive line, type and speed reduction ratio	chain driven, 3 : 1
Tire size	3.50 - 19
Suspension	rear end, vertical semi-elliptical leaf spring
Steering	handle type

Concise Specifications of the Electric System

Voltage of the whole system	30 volts
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Battery:

capacity	157 ampere-hour
grounding pole	negative pole



Electric Three-Wheel Truck

Maker	Ho Fei (STC 0678/5142) Automobile Repair Shop
Year	June 1958
Type of vehicle	electric three-wheel truck
Nr of wheels and Nr of driving wheels	3 x 2
Body type	cargo truck
Nr of doors	2

General Data

Vehicle weight:	350 kg, on:
front wheel	70 kg (20%)
rear end	280 kg (80%)
Load capacity:	on highway 500 kg on dirt road 400 kg
Weight fully loaded:	850 kg, on:
front wheel	170 kg (20%)
rear end	680 kg (80%)

Dimensions:	length	3570 mm
	width	1260 mm
	height	1620 mm
Inside measurements:		
	length	1450 mm
	width	1165 mm
	height	340 mm
Distance between axles		1880 mm
Distance between rear wheels		1185 mm
Minimum ground clearance		rear bridge 200 mm
Rear clearing angle		32°

Operation Data

Maximum speed	25 km/h
Minimum turning radius	3.2 meters
Maximum gradeability	28°
Maximum fording depth	160 mm
Cruising range (one full charge)	4 hours
Braking distance	on dry highway, when speed is 25 km/h, less than 5 meters

Concise Specifications of the Motor

Maker	Ho Fei Automobile Repair Shop
Type	series connected DC motor
Maximum power	2.5 HP
Nr of revolutions at maximum power	4500 rpm

Concise Specifications of the Chassis

Transmission:	two forward, one reverse
Steering	double-fork type
Brake system:	
foot brake	lever type

Concise Specifications of the Electric System

Voltage of the whole system	24 volts
Battery:	
capacity	130 ampere-hour
grounding pole	negative pole

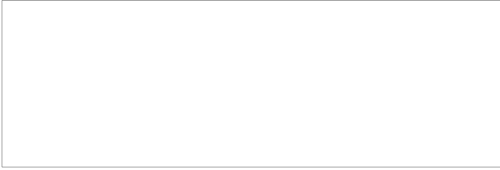


Electric Truck

Maker	Basic Construction Section, Communication and Transportation Bureau of Peking municipal government
Year	1958
Type of vehicle	light truck

General Data

Vehicle weight	1360 kg
Load capacity	on highway 1000 kg
Dimensions: length	4500 mm
width	1690 mm
height	1750 mm
Inside measurements:	
length	2000 mm
width	1500 mm
height	375 mm
Distance between axles	2850 mm
Distance between wheels:	
front wheels	1420 mm
rear wheels	1475 mm



Operational Data

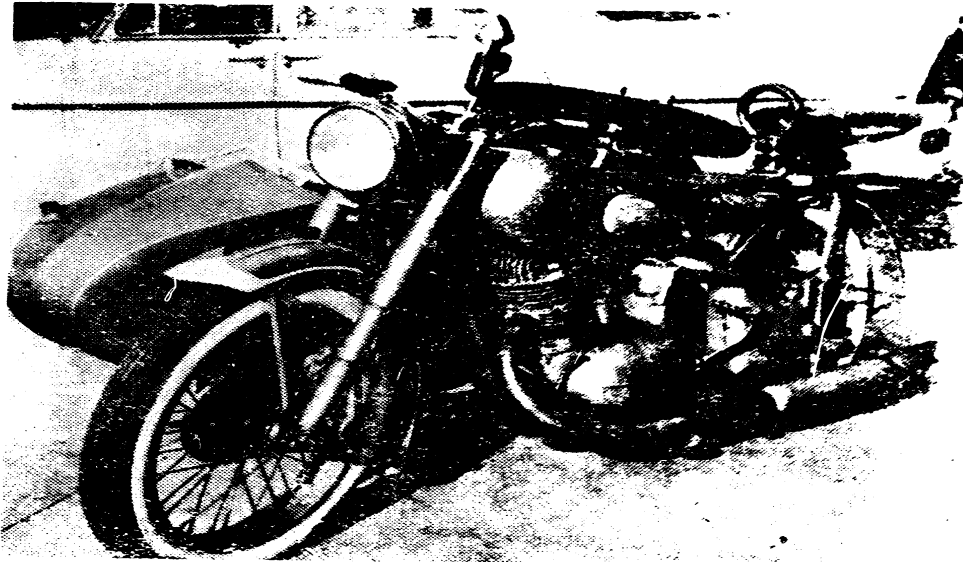
Maximum speed	30 km/h
Minimum turning radius	5.5 meters
Braking distance	on dry highway when speed is 30 km/h less than five meters

Concise Specifications of the Chassis

Transmission	three forward, one reverse
Tire size	6.50 - 16, 16-ply

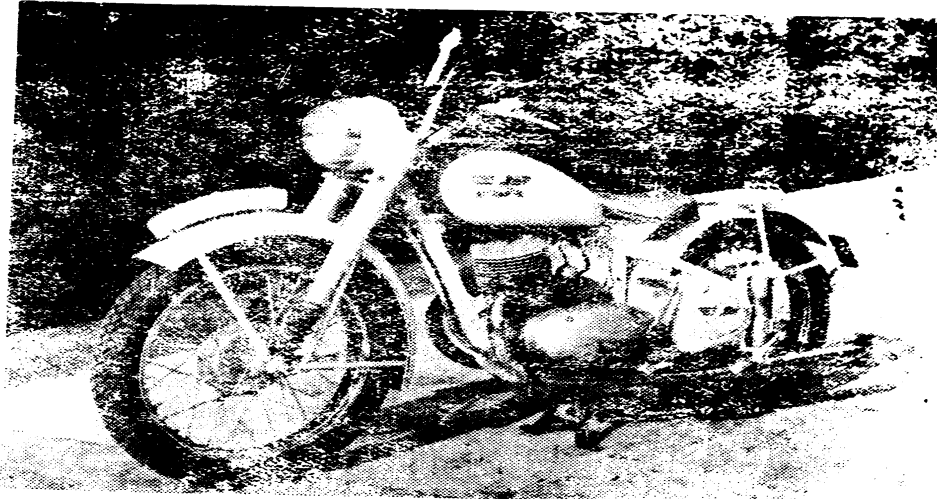
Concise Specifications of the Electric System

Battery:	silver-zinc storage battery two cells, each cell 42
total voltage	63 volts
total capacity	300 ampere-hour
total weight	160 kg
Voltage of the lighting system	12 volts
Starter's power	2.9 kilowatts
Cruising range (one full charge)	about 150 km

8. MOTORCYCLES

Motorcycle

Maker	Kuei Chou (BTC 6311/1558) Automobile Manufacturing Plant
Year	April 1958
Load capacity	300 kg
Ground clearance	140 mm
Dimensions: length	2118 mm
width	750 mm
height	1020 mm
Maximum speed	90 km/h
Engine:	two-stroke, carburetor type, single cylinder verticle type, bore 72 mm, stroke 85 mm, compression ratio 5.8 : 1, maximum power 11.5 HP, maximum revolutions 4000 rpm, cooling system - air-cooling type
Fuel tank	13 liters



Yueh Chin Brand 585-Model Motorcycle

Maker

Wu Chin (STC 0063/6855) Machine
Cooperation of Peking

Year

1958