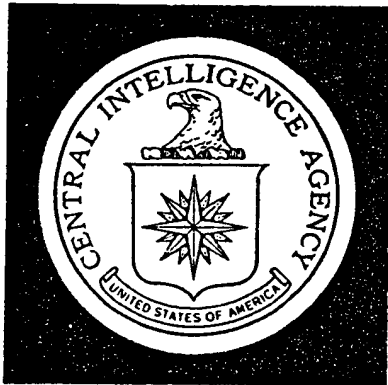


9644

CIA HISTORICAL REVIEW PROGRAM  
RELEASE AS SANITIZED  
1998

~~Secret~~



DIRECTORATE OF  
INTELLIGENCE

# Intelligence Handbook

*Principal Soviet Surface Combat Ships*

~~Secret~~

SR IH 68-2  
March 1968

Copy No 135

## WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the US Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

GROUP 1  
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downgrading and  
declassification

CENTRAL INTELLIGENCE AGENCY  
Directorate of Intelligence  
March 1968

INTELLIGENCE HANDBOOK

Principal Soviet Surface Combat Ships

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The performance characteristics, dimensions, and armaments for each class are intended only to give a general idea of capabilities. Actual performance may vary widely depending on operational conditions, maintenance, and crew proficiency.

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*This handbook was produced solely by CIA. It was prepared by the Office of Strategic Research and coordinated with the Offices of Economic Research and Scientific Intelligence.*

~~SECRET~~

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USSR Surface Combat Ships

Helicopter Carrier - CHG

Moskva Class



PRODUCTION

Initial construction	1967
Number built	2

CHARACTERISTICS

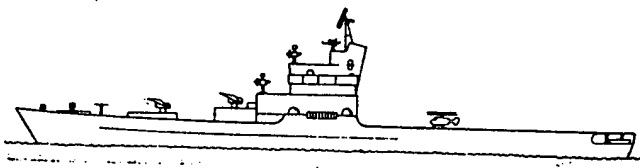
Complement	1,000
Length	620 ft
Beam across flight deck	110 ft
Draft	25 ft
Displacement	about 20,000 tons
Speed	over 30 kts

ARMAMENT

Missiles	2 twin SAM launchers
Guns	4 twin 57-mm mounts
ASW	2 ahead-throwing 12-barrel MBU-2500A rocket launchers
Helicopters	20-25 KA-20/25 or 5-6 MI-8

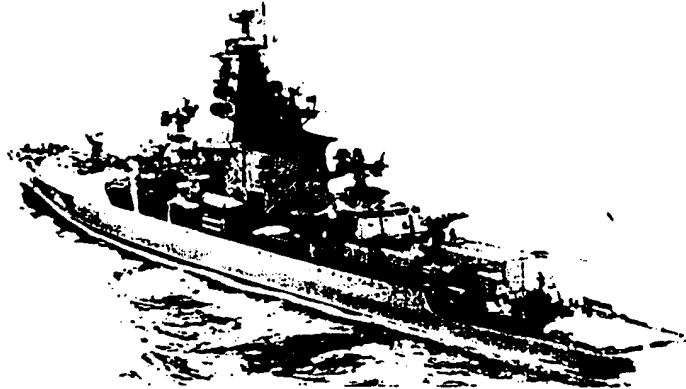
REMARKS

This class appears to be designed for ASW operations, but could be used for amphibious assault with only minor changes.



USSR Surface Combat Ships  
Guided Missile Cruiser - CLGM

Kresta Class



PRODUCTION

Initial construction	1967
Number built	2
Nearing completion	2

CHARACTERISTICS

Complement	430
Length	525 ft
Beam	55.5 ft
Draft	20 ft
Displacement	6,700 tons
Endurance	
at economical speed	8,000 nm at 15 kts
at maximum speed	2,200 nm at 32 kts

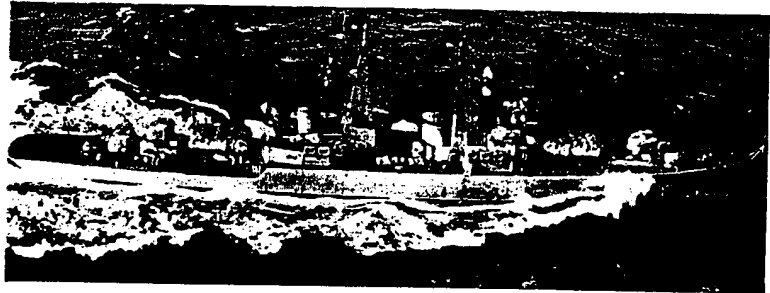
ARMAMENT

Missiles	2 twin SS-N-3 launchers
	2 twin SA-N-1 launchers
Guns	2 twin 57-mm mounts
ASW	10 21-inch torpedo tubes
	4 ahead-throwing rocket launchers
	(2 12-barrel MBU-2500A and 2
	6-barrel MBU-4500A)
	one helicopter hangar



USSR Surface Combat Ships  
Guided Missile Cruiser - CLGM

Kynda Class



PRODUCTION

Initial construction	1962
Number built	4

CHARACTERISTICS

Complement	400
Length	465 ft
Beam	51 ft
Draft	17 ft
Displacement	5,600 tons
Endurance	
at economical speed	6,990 nm at 14.5 kts
at maximum speed	2,050 nm at 34 kts

ARMAMENT

Missiles	2 quadruple SS-N-3 launchers, 16 SSM's
Guns	1 twin SA-N-1 launcher, 50-60 SAM's
ASW	2 twin 3.35-inch (85-mm) mounts 2 12-barrel ahead-throwing MBU-2500A rocket launchers 2 21-inch triple torpedo tube mounts, probably a mixed load of 6 ASW torpedoes

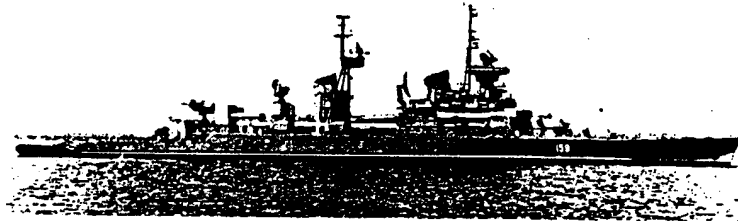
REMARKS

First Soviet ship to employ both SSM and SAM launching systems. A helicopter landing area is marked out on the stern.



USSR Surface Combat Ships  
Guided Missile Light Cruiser - CLG

Sverdlov Class



PRODUCTION

Conversion begun	1956
Number converted	2
Active units	1

CHARACTERISTICS

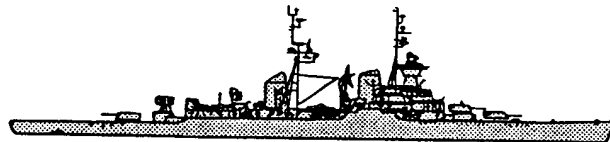
Complement	1,040
Officers	67
Enlisted	973
Length	689 ft
Beam	72 ft
Draft	24 ft
Displacement	17,200 tons
Endurance	
at economical speed	8,700 nm at 18 kts
at maximum speed	2,470 nm at 32 kts

ARMAMENT

Guns	3 triple 6-inch (152-mm) turrets
	6 twin 3.9-inch (100-mm) mounts
	8 twin 37-mm AA mounts
Missiles	1 twin SA-N-2 launcher
Mines	4 deck rails, 68 mines

REMARKS

These units were experimental conversions of conventional Sverdlov-class cruisers. The Admiral Nakhimov of this class has SA-N-1 missiles.

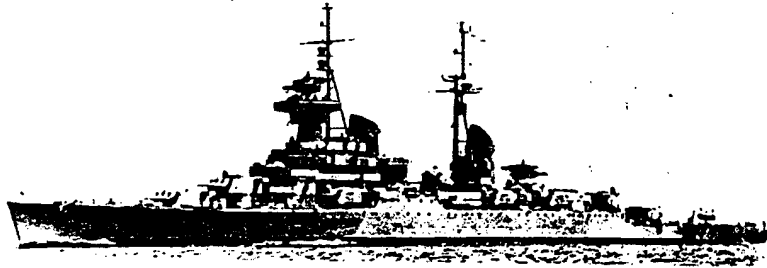




USSR Surface Combat Ships

Light Cruiser - CL

Sverdlov Class



PRODUCTION

Initial construction	1951
Number built	14
Active in Soviet Navy	7

CHARACTERISTICS

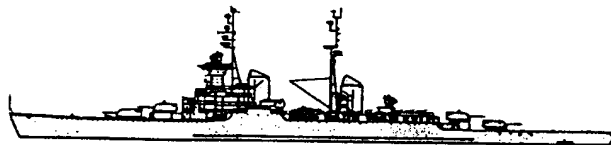
Complement	1,040
Officers	67
Enlisted	973
Length	689 ft
Beam	72 ft
Draft	24 ft
Displacement	17,200 tons
Endurance	
at economical speed	8,700 nm at 18 kts
at maximum speed	2,470 nm at 32 kts

ARMAMENT

Guns	4 triple 6-inch (157-mm) turrets 6 twin 3.9-inch (100 mm) mounts 16 twin 37-mm AA mounts
Torpedoes	10 21-inch tubes in quintuple mounts
Mines	4 deck rails, 68 mines

REMARKS

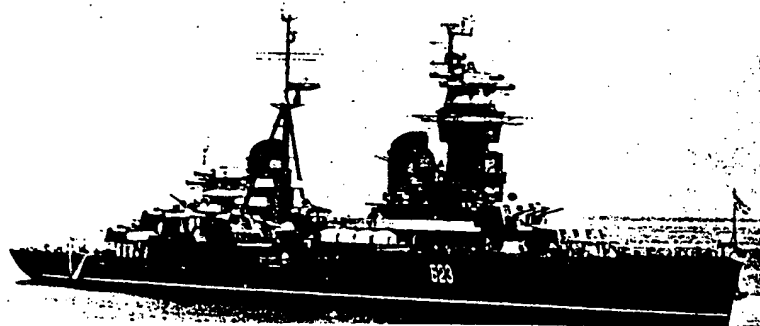
Conventionally armed Sverdlov-class cruisers are comparable to the USS Worcester (CL 144), but lack its 6-inch gun battery's high rate of fire and dual-purpose capability. Two units were converted to guided missile cruisers. One Sverdlov was transferred to Indonesia.



USSR Surface Combat Ships

Light Cruiser - CL

Chapayev Class



PRODUCTION

Initial construction	1949
Number built	5
Active units	2

CHARACTERISTICS

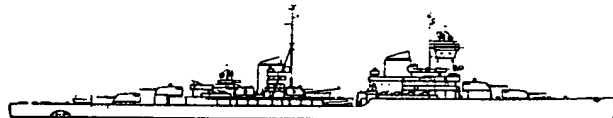
Complement	900
Officers	53
Enlisted	847
Length	665 ft
Beam	62 ft
Draft	24 ft
Displacement	15,000 tons
Endurance	
at economical speed	5,000 nm at 15 kts
at maximum speed	1,000 nm at 32 kts

ARMAMENT

Guns	4 triple 6-inch (152-mm) turrets
	4 twin 3.9-inch (100-mm) mounts
	14 twin 37-mm AA mounts
Mines	4 deck rails, 140 mines

REMARKS

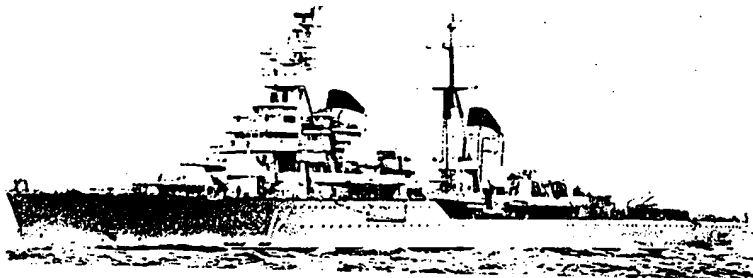
Roughly equivalent to the US Cleveland class, but inferior in AA firepower, protection, structural strength and steaming endurance. Three have been scrapped.



USSR Surface Combat Ships

Heavy Cruiser - OCA

Kirov Class



PRODUCTION

Initial construction	1938
Number built	6
Active in Soviet Navy	2

CHARACTERISTICS

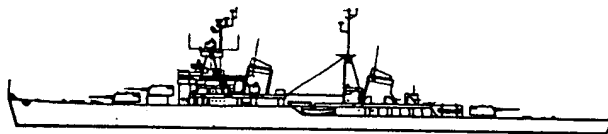
Complement	734
Officers	54
Enlisted	680
Length	627 ft
Beam	58 ft
Draft	20 ft
Displacement	9,060 tons
Endurance	
at economical speed	3,000 nm at 18 kts
at maximum speed	850 nm at 35 kts

ARMAMENT

Guns	3 triple 7.1-inch (180-mm) turrets 6 single 3.9-inch (100-mm) mounts 9-10 twin or 18-20 single 37-mm AA mounts
Torpedoes	6 21-inch tubes
ASW	50 depth charges
Mines	2 deck rails, 90 mines

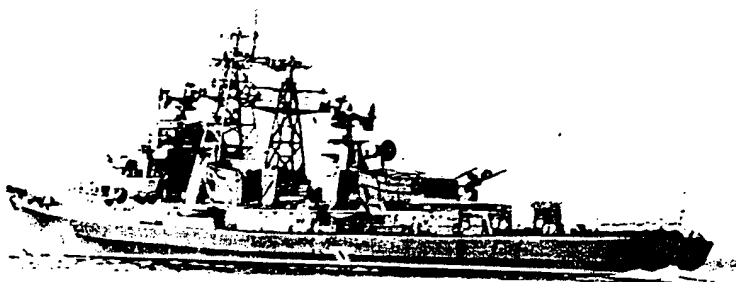
REMARKS

Fast, heavily armed and lightly built. Originally intended for operation in waters adjacent to the Soviet maritime frontiers. Powerful, long-range main battery is offset by substandard AA firepower.



USSR Surface Combat Ships  
Guided Missile Frigate - DLG

Kashin Class



PRODUCTION

Initial construction	1962
Number built	13

CHARACTERISTICS

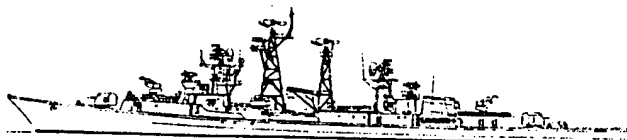
Complement	360
Length	470 ft
Beam	52 ft
Draft	16.5 ft
Displacement	4,450
Endurance	
at economical speed	6,950 nm at 10 kts
at maximum speed	1,240 nm at 36 kts

ARMAMENT

Missiles	2 twin SAM launchers (SA-N-1)
Guns	2 twin 3.35-inch (85-mm) mounts
Torpedoes	5-tube launcher mounted amidships, may use ASW torpedoes
ASW	2 12-barrel MBU-2500A rocket launchers
	2 6-barrel MBU-4500A rocket launchers

REMARKS

A modern ASW escort--the only Soviet destroyer class still being produced. Largest warship in the world propelled entirely by gas turbines.



USSR Surface Combat Ships  
Guided Missile Destroyer - DDGS

Krupnyy Class



PRODUCTION

Initial construction	1959
Number built	8

CHARACTERISTICS

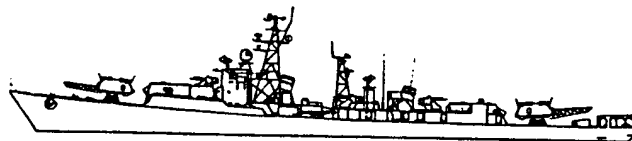
Complement	350
Officers	25
Enlisted	325
Length	452 ft
Beam	48 ft
Draft	16.5 ft
Displacement	4,500 tons
Endurance	
at economical speed	4,700 nm at 15 kts
at maximum speed	1,400 nm at 35 kts

ARMAMENT

Guns	4 quadruple 57-mm AA mounts
Missiles	2 single SS-N-1 launchers, 18 missiles
Torpedoes	6 21-inch tubes in triple mounts, possibly for ASW
ASW	2 16-barrel MBU-2500 rocket launchers, fully trainable

REMARKS

Requires off-ship target acquisition for optimum performance of the 130-nm range SS-N-1 system. AA capabilities of this class are inadequate even for self-defense. Some units probably are being converted to fire SAM's instead of the SS-N-1.



USSR Surface Combat Ships  
Guided Missile Destroyer - DDGS

Kildin Class



PRODUCTION

Initial construction	1958
Number built	4

CHARACTERISTICS

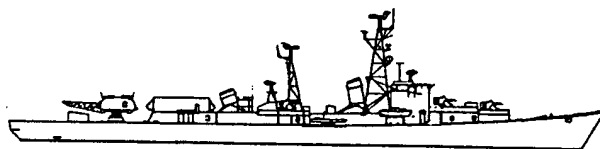
Complement	300
Officers	23
Enlisted	277
Length	415 ft
Beam	41.5 ft
Draft	16 ft
Displacement	3,500 tons
Endurance	
at economical speed	4,710 nm at 11 kts
at maximum speed	1,052 nm at 34 kts

ARMAMENT

Guns	4 quadruple 57-mm AA mounts
Missiles	1 SS-N-1 launcher
Torpedoes	4 21-inch tubes possibly for ASW
ASW	2 16-barrel MBU-2500 rocket launchers

REMARKS

Requires off-ship target acquisition for optimum performance of the 130-nm range SS-N-1 system.



USSR Surface Combat Ships  
Guided Missile Destroyer - DDG

Converted Kotlin Class



PRODUCTION

Conversion begun	1961
Number converted	2

CHARACTERISTICS

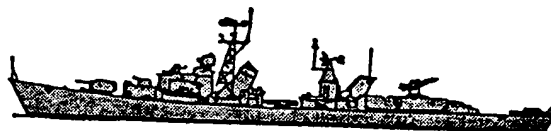
Complement	300
Officers	22
Enlisted	278
Length	415 ft
Beam	41.5 ft
Draft	16 ft
Displacement	3,500 tons
Endurance	
at economical speed	4,710 nm at 11 kts
at maximum speed	1,052 nm at 34 kts

ARMAMENT

Guns	1 twin 5.1-inch (130-mm) mount 1 quadruple 45-mm AA mount
Missiles	1 twin SA-N-1 launcher
Torpedoes	5 21-inch tubes in quintuple mount, 5 ASW torpedoes
Mines	probably none carried

REMARKS

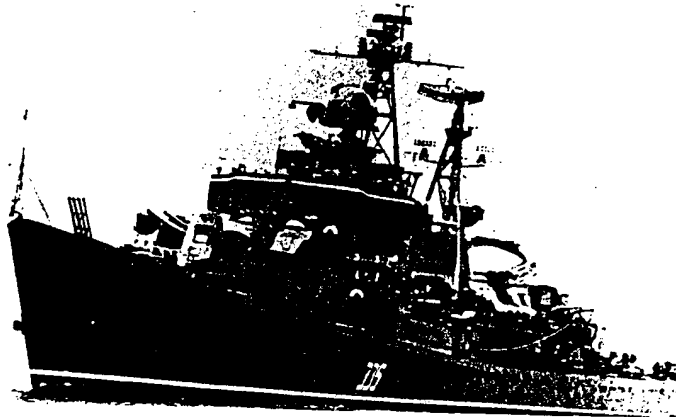
First sighted in 1962. Other units are under-  
going similar conversion.



USSR Surface Combat Ships

Destroyer - DD

Modified Kotlin Class



PRODUCTION

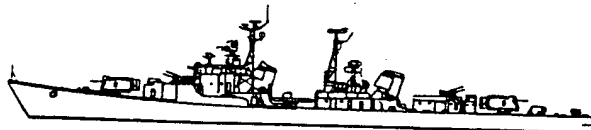
Initial modification	1960
Number modified	11

CHARACTERISTICS

Complement	300
Officers	22
Enlisted	278
Length	415 ft
Beam	41.5 ft
Draft	16 ft
Displacement	3,500 tons
Endurance	
at economical speed	4,710 nm at 11 kts
at maximum speed	1,052 nm at 34 kts

ARMAMENT

Guns	2 twin 5.1-inch (130-mm) mounts
	4 quadruple 45-mm AA mounts
Torpedoes	5 21-inch tubes in quintuple mount, 5 ASW torpedoes
ASW	2 16-barrel MBU-2500 or 12-barrel MBU-2500A rocket launchers forward
	2 6-barrel MBU-4500 rocket launchers on fantail of some units
	internally stowed depth charges, number unknown
Mines	2 deck rails, 70 mines

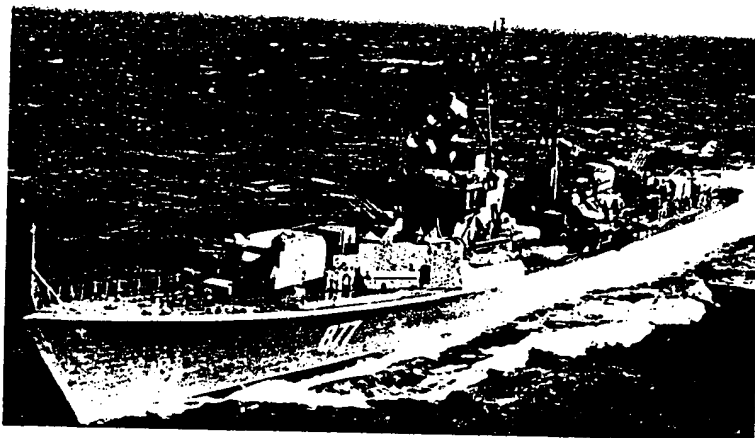




# USSR Surface Combat Ships

## Destroyer - DD

### Kotlin Class



#### PRODUCTION

Initial construction	1954
Number built	27
Active units, unmodified	12

#### CHARACTERISTICS

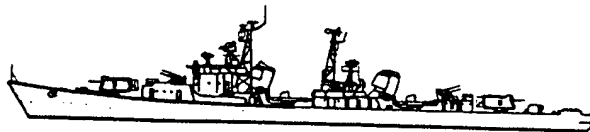
Complement	300
Officers	22
Enlisted	278
Length	415 ft
Beam	41.5 ft
Draft	16 ft
Displacement	3,500 tons
Endurance	
at economical speed	4,710 nm at 11 kts
at maximum speed	1,052 nm at 34 kts

#### ARMAMENT

Guns	2 twin 5.1-inch (130-mm) mounts 4 quadruple 45-mm AA mounts
Torpedoes	10 21-inch tubes in quintuple mounts, 10 torpedoes
ASW	6 depth-charge mortars 2 internal depth-charge racks
Mines	2 deck rails, 70 mines

#### REMARKS

A modern general-purpose destroyer with good conventional AA and radar capabilities.



USSR Surface Combat Ships

Destroyer - DD

Modified Skoryy Class



PRODUCTION

Initial modification	1960
Number modified	8

CHARACTERISTICS

Complement	280
Officers	22
Enlisted	258
Length	395 ft
Beam	39 ft
Draft	14 ft
Displacement	3,050 tons
Endurance	
at economical speed	3,500 nm at 14 kts
at maximum speed	1,050 nm at 33.5 kts

ARMAMENT

Guns	2 twin 5.1-inch (130-mm) mounts 5 single 57-mm AA mounts
Torpedoes	5 21-inch tubes in quintuple mount, 5 torpedoes
ASW	2 16-barrel MBU-2500 rocket launchers, full trainable
Mines	50 internally stowed depth charges 2 deck rails, 52 mines

REMARKS

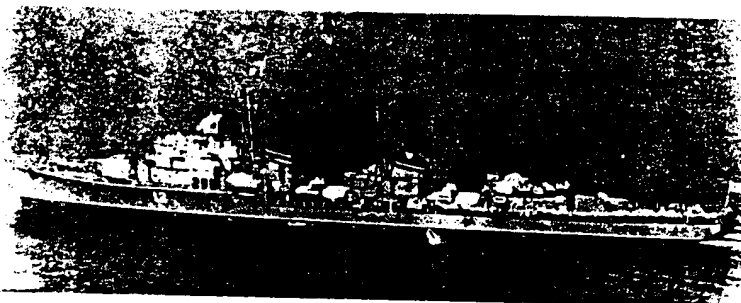
This modification of the standard Skoryy design represents the Soviet equivalent of postwar conversions of older US destroyers.



# USSR Surface Combat Ships

Destroyer - DD

## Skoryy Class



### PRODUCTION

Initial construction	1949
Number built	72
Active in Soviet Navy	29

### CHARACTERISTICS

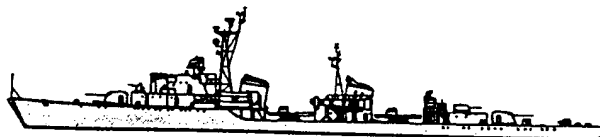
Complement	280
Officers	22
Enlisted	258
Length	395 ft
Beam	38.5 ft
Draft	14 ft
Displacement	3,050 tons
Endurance	
at economical speed	3,500 nm at 14 kts
at maximum speed	1,050 nm at 33.5 kts

### ARMAMENT

Guns	2 twin 5.1-inch (130-mm) mounts 1 twin 3.35-inch (85-mm) mount 7 single or 4 twin 35-mm AA mounts
Torpedoes	10 21-inch tubes in quintuple mounts, 10 torpedoes
ASW	6 single projectors, 50 depth charges
Mines	2 deck rails, 52 mines

### REMARKS

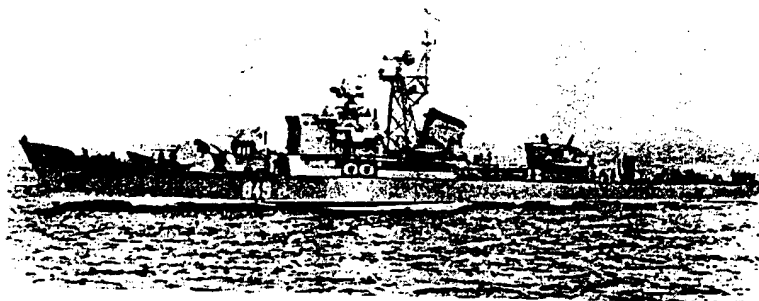
Fourteen have been transferred to other navies-- 2 to Poland, 4 to UAR, 8 to Indonesia--and 8 have been converted to auxiliaries. A mediocre design by World War II standards. This class is being phased out gradually.



USSR Surface Combat Ships

Destroyer Escort - DE

Riga Class



PRODUCTION

Initial construction	1952
Number built	64
Active in Soviet Navy	38

CHARACTERISTICS

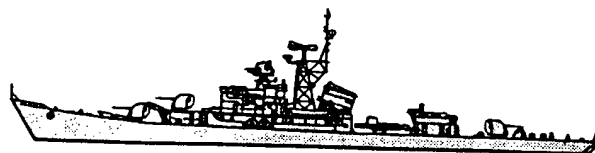
Complement	180
Officers	15
Enlisted	165
Length	299 ft
Beam	33.5 ft
Draft	10 ft
Displacement	1,320 tons
Endurance	
at economical speed	2,450 nm at 9 kts
at maximum speed	700 nm at 28 kts

ARMAMENT

Guns	3 single 3.9-inch (100-mm) mounts 2 twin 37-mm AA mounts
Torpedoes	3 21-inch tubes, 3 torpedoes
ASW	1 ahead-thrown Hedgehog-type charge (28 barrage pattern) or 2 16-tube MBU-2500 rocket launchers (32 barrage pattern)
	4 ASW mortars and tracks, 48 depth charges
Mines	2 deck rails, 26 mines
Minesweeping	paravanes

REMARKS

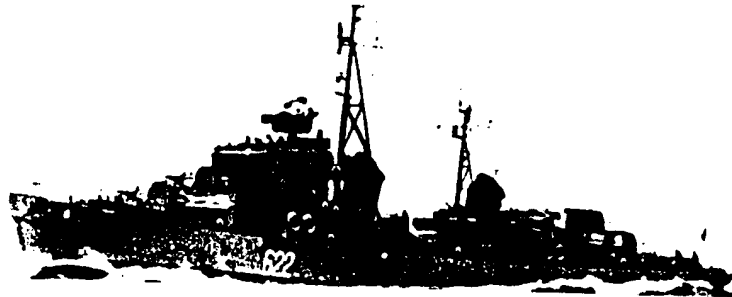
Except for a somewhat higher speed, this class is about on par with USS J.C. Butler. The boilers are apparently inadequate for designed power and speed. Rigas have been transferred to Bulgaria, East Germany, Finland, and Indonesia.



USSR Surface Combat Ships

Destroyer Escort - DE

Kola Class



PRODUCTION

Initial construction	1951
Number built	8
Active units	6

CHARACTERISTICS

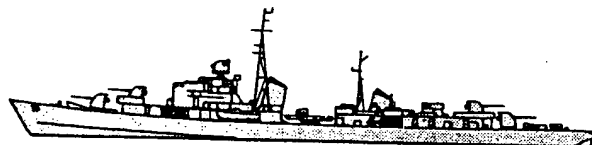
Complement	200
Officers	13
Enlisted	187
Length	315 ft
Beam	35.5 ft
Draft	10.5 ft
Displacement	1,500 tons
Endurance	
at economical speed	3,500 nm at 12 kts
at maximum speed	950 nm at 30 kts

ARMAMENT

Guns	4 single 3.9-inch (100-mm) mounts 2 twin 37-mm AA mounts
Torpedoes	3 21-inch tubes in triple mount, 3 torpedoes
ASW	4 single depth charge projectors
Mines	2 deck rails

REMARKS

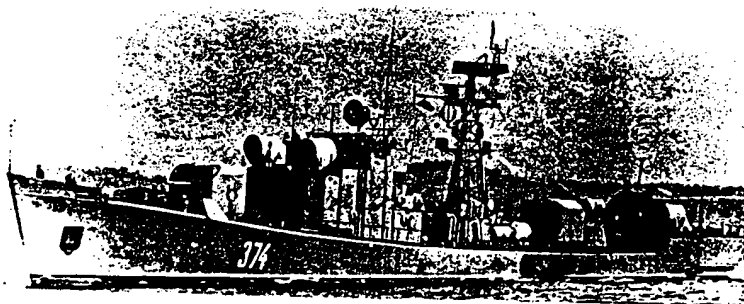
Only appearance and armament are known. All characteristics are estimated.



# USSR Surface Combat Ships

Escort - PCE

Mirka Class



## PRODUCTION

Initial construction	1963
Number built	18
Active units	18

## CHARACTERISTICS

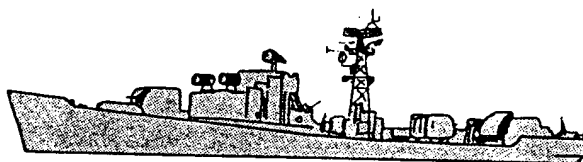
Complement	100
Length	270 ft
Beam	30 ft
Draft	11 ft
Displacement	1,085 tons
Endurance	
at cruising speed	1,800 nm at 14 kts
at maximum speed	700 nm at 30 kts

## ARMAMENT

Guns	2 twin 3.35-inch (85-mm) mounts
Torpedoes	5 16-inch tubes
ASW	4 ahead-throwing MBU-2500A rocket launchers, 12 barrels each

## REMARKS

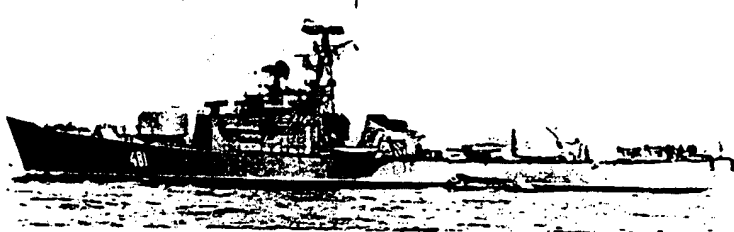
Essentially a refinement of the Petya with improved torpedo tubes and propulsion system.



USSR Surface Combat Ships

Escort - PCE

Petya Class



PRODUCTION

Initial construction	1960
Number built	31

CHARACTERISTICS

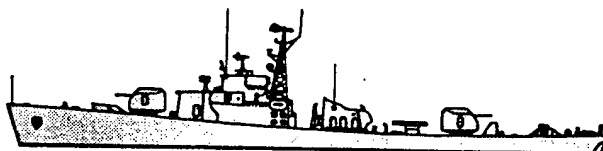
Complement	100
Length	270 ft
Beam	30 ft
Draft	11 ft
Displacement	1,085 tons
Endurance	
at cruising speed	1,800 nm at 14 kts
at maximum speed	700 nm at 30 kts

ARMAMENT

Guns	2 twin 3.35-inch (85-mm) mounts
Torpedoes	5 16-inch tubes
ASW	4 ahead-throwing MBU-2500 rocket launchers, 16 barrels each internally stowed depth charges, number unknown
Mines	2 mine rails, 30 mines

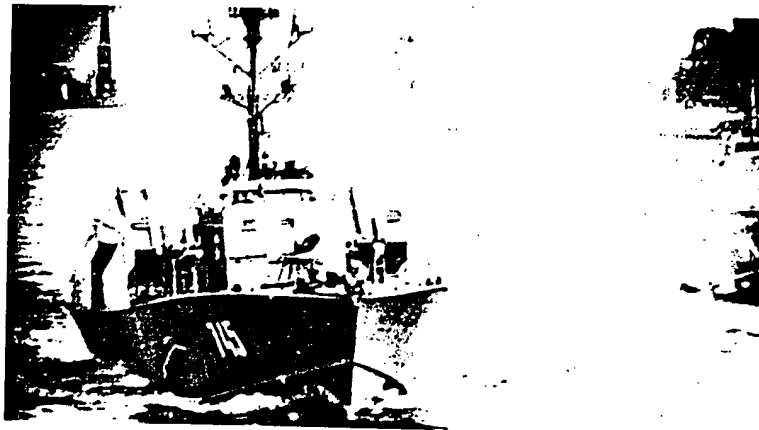
REMARKS

Gas-turbine propulsion system provides rapid starting and almost instantaneous full power. This class is currently under construction.



USSR Surface Combat Ships  
Large Guided Missile Patrol Boat - PTFG

Osa Class



PRODUCTION

Initial construction	1959
Number built	about 110
Active in Soviet Navy	93

CHARACTERISTICS

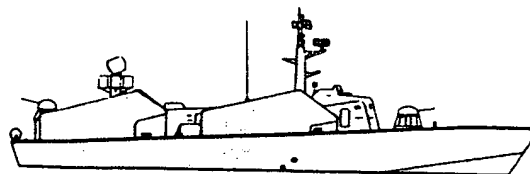
Complement	25
Length	128 ft
Beam	24.9 ft
Draft	9 ft
Displacement	160 tons standard 208 tons full load
Endurance	
at economical speed	1,000 nm at 15 kts
at maximum speed	380 nm at 40 kts

ARMAMENT

Missiles	4 single SS-N-2 launchers, 4 missiles
Guns	2 twin 37-mm machine gun mounts
ASW	none

REMARKS

The missile launchers cannot elevate or train. The SS-N-2 has a maximum effective range of 15 to 20 nm and is primarily an antiship weapon. Production of this class is continuing in the USSR. Units have been transferred to East Germany, Poland, Rumania, Yugoslavia, Algeria, and the UAR. Communist China is building this class.





## USSR Surface Combat Ships

### Small Guided Missile Patrol Boat - PTG

#### Komar Class



#### PRODUCTION

Initial construction	1959
Number built	82
Active in Soviet Navy	54

#### CHARACTERISTICS

Complement	19
Officers	3
Enlisted	16
Length	83
Beam	23
Draft	7 ft
Displacement	72 tons standard 83 tons full load
Endurance	
at economical speed	570 nm at 25 kts
at maximum speed	480 nm at 37.5 kts

#### ARMAMENT

Missiles	2 single SS-N-2 launchers, 2 missiles
Guns	1 twin 25-mm AA mount

#### REMARKS

A conversion of the standard P-6 PT boat. The SS-N-2 has a maximum effective range of 15 to 20 nm and is primarily an antiship weapon. Komars have been transferred to Cuba, Indonesia, the UAR, North Korea, Algeria, and Syria. Communist China is building this class.

