MARINE AIR CONDITIONER

CFK Series Marine Water Cooled Split Air Conditioner

ISO9001 Supplier

Class Certificate

Export Supply

Description: CFK series marine water cooled split air conditioner is the cooling device, which can condition the air in chamber directly and composed by one marine water cooled condensing unit and all kinds of ai...



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Key Highlights

Category	Marine Air Conditioner
Standard	EN
Material	Model CFK-3 CFK-4 CFK-5 CFK-6 CFK-7 CFK-8 CFK-10 Cooling capacity KW 3 4...
Weight / Size	Model CFK-3 CFK-4 CFK-5 CFK-6 CFK-7 CFK-8 CFK-10 Cooling capacity KW 3 4...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Marine Air Conditioner	**Model / SKU**	CFK-Series-Marine-Water-Cooled-Split-Air-Conditioner

Standard	EN
Material	Model CFK-3 CFK-4 CFK-5 CFK-6 CFK-7 CFK-8 CFK-10 Cooling capacity KW 3 4 5 6 7 8 10 Heating capacity KW 1.5 2 2.5 3 3.5 4 5 Cooling medium R407C Heating type electric heating tube with stainless steel fin or light tube Power supply Main circuit AC 380V 3φ 50Hz AC 440V 3φ 60Hz Control circuit AC 220V 1φ 50Hz/ AC 220V 1φ 60Hz Protection devices Freon high pressure、freon low pressure、water stop、super heat、lack phase、overload、safety valve Compressor Type Hermetic scroll Motor power KW 1.4 1.8 1.8 1.8 2 2.4 2.9 Condenser Type horizontal shell & tube and can condense and receive liquid efficiently Water inlet temp ℃ ≤32 Water flow m3/h 1.5 1.5 2.5 2.5 2.6 3 3.7 Water pressure loss Kpa ≤30 Dia.of inlet and outlet water mm DN25 DN25 DN25 DN25 DN25 DN25 DN25 Evaporator Copper tube with copper (Al) fin Dimension Indoor unit mm 466x440x1750 Outdoor unit mm 650x450x700 750x500x1000 850x500x100 Indoor unit Weight kg 90 95 105 108 112 116 120 Outdoor unit Weight kg 165 165 190 195 210 220 240 Indoor unit noise dB(A) ≤50 ≤50 ≤50 ≤55 ≤55 ≤60 ≤60 Outdoor unit noise dB(A) ≤75 ≤75 ≤75 ≤75 ≤75 ≤75 ≤75 Model CFK-10(II) CFK-12(II) CFK-15(II) CFK-20(II) Type of unit one outdoor unit two indoor units Cooling capacity KW 10 12 15 20 Heating capacity KW 5 6 7.5 10 Cooling medium R407C Heating type electric heating tube with stainless steel fin or light tube Power supply Main circuit AC 380V 3φ 50Hz AC 440V 3φ 60Hz Control circuit AC 220V 1φ 50Hz/ AC 220V 1φ 60Hz Protection devices Freon high pressure、freon low pressure、water stop、super heat、lack

	phase、overload、safety valve Compressor Type Hermetic scroll Motor power KW 3.4 3.7 5.5 6.9 Condenser Type horizontal shell & tube and can condense and receive liquid efficiently Water inlet temp ℃ ≤32 Water flow m3/h 3.7 4.4 5.5 7.3 Water pressure loss Kpa ≤30 Dia.of inlet and outlet water mm DN25 DN25 DN32 DN32 Indoor unit fan Type low noise centrifugal fan Air Flow m3/h 1000 1200 1500 2000 Motor power W 40 40 90 90 Evaporator Copper tube with copper（Al）fin Dimension Indoor unit mm 466x440x1750 Outdoor unit mm 950x500x1250 1200x500x1250 Indoor unit Weight kg 105 108 112 120 Outdoor unit Weight kg 260 280 320 360 Indoor unit noise dB(A) ≤55 ≤55 ≤55 ≤60 Outdoor unit noise dB(A) ≤75 ≤75 ≤75 ≤75

Weight / Size	Model CFK-3 CFK-4 CFK-5 CFK-6 CFK-7 CFK-8 CFK-10 Cooling capacity KW 3 4 5 6 7 8 10 Heating capacity KW 1.5 2 2.5 3 3.5 4 5 Cooling medium R407C Heating type electric heating tube with stainless steel fin or light tube Power supply Main circuit AC 380V 3φ 50Hz AC 440V 3φ 60Hz Control circuit AC 220V 1φ 50Hz/ AC 220V 1φ 60Hz Protection devices Freon high pressure、freon low pressure、water stop、super heat、lack phase、overload、safety valve Compressor Type Hermetic scroll Motor power KW 1.4 1.8 1.8 1.8 2 2.4 2.9 Condenser Type horizontal shell & tube and can condense and receive liquid efficiently Water inlet temp ℃ ≤32 Water flow m3/h 1.5 1.5 2.5 2.5 2.6 3 3.7 Water pressure loss Kpa ≤30 Dia.of inlet and outlet water mm DN25 DN25 DN25 DN25 DN25 DN25 DN25 Evaporator Copper tube with copper (Al) fin Dimension Indoor unit mm 466x440x1750 Outdoor unit mm 650x450x700 750x500x1000 850x500x100 Indoor unit Weight kg 90 95 105 108 112 116 120 Outdoor unit Weight kg 165 165 190 195 210 220 240 Indoor unit noise dB(A) ≤50 ≤50 ≤50 ≤55 ≤55 ≤60 ≤60 Outdoor unit noise dB(A) ≤75 ≤75 ≤75 ≤75 ≤75 ≤75 ≤75 Model CFK-10(II) CFK-12(II) CFK-15(II) CFK-20(II) Type of unit one outdoor unit two indoor units Cooling capacity KW 10 12 15 20 Heating capacity KW 5 6 7.5 10 Cooling medium R407C Heating type electric heating tube with stainless steel fin or light tube Power supply Main circuit AC 380V 3φ 50Hz AC 440V 3φ 60Hz Control circuit AC 220V 1φ 50Hz/ AC 220V 1φ 60Hz Protection devices Freon high pressure、freon low pressure、water stop、super heat、lack
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

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Warranty	12 Months unless specified otherwise	**Origin**	China

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Description:

CFK series marine water cooled split air conditioner is the cooling device, which can condition the air in chamber directly and composed by one marine water cooled condensing unit and all kinds of air handling units. The unit has features of new-design, easy-operation, stable-working, safety and convenient-maintaining etc. They are widely applied for all kinds of passenger ships, cargo ships and oil platforms etc.

1. Mainly composed by compressor, condenser, direct evaporator and fan etc

2. Choosing imported name brand refrigeration compressor

3. Main controls are imported famous brand

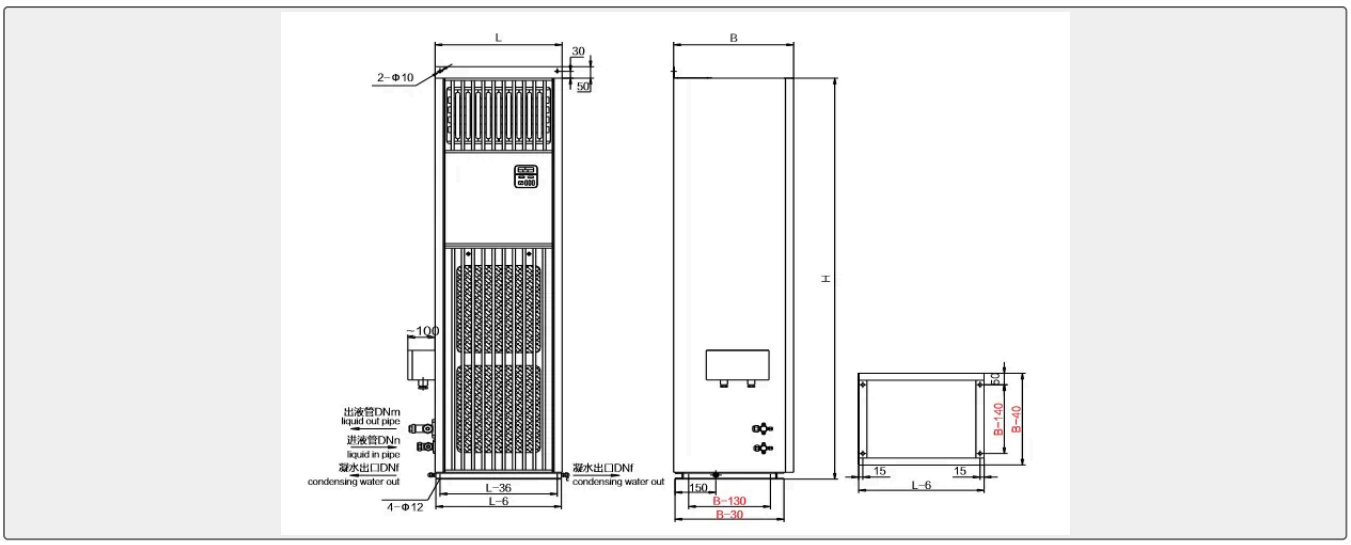
4. Condenser is anticorrosiveHAL77-2 or BFe30-1-1high efficient heat transferring pipe, which can protect ship swinging from flow-stop

5. Pressure test, vacuum test and running test have been done before delivery

6. Ready for operation after connected with pipe and power source

7. Design, manufacture and inspection comply with relative“CCS”and“navy”standards 8. Special design and manufacture can be done upon user's Requirement

Technical data:



Model			CFK-3	CFK-4	CFK-5	CFK-6	CFK-7	CFK-8	CFK-10
Cooling capacity		KW	3	4	5	6	7	8	10
Heating capacity		KW	1.5	2	2.5	3	3.5	4	5
Cooling medium			R407C						
Heating type			electric heating tube with stainless steel fin or light tube						
Power supply		Main circuit	AC 380V 3φ 50Hz AC 440V 3φ 60Hz						
		Control circuit	AC 220V 1φ 50Hz/ AC 220V 1φ 60Hz						
Protection devices			Freon high pressure、freon low pressure、water stop、super heat、lack phase、overload、safety valve						
Compressor	Type		Hermetic scroll						
	Motor power	KW	1.4	1.8	1.8	1.8	2	2.4	2.9
Condenser	Type		horizontal shell & tube and can condense and receive liquid efficiently						
	Water inlet temp	℃	≤32						
	Water flow	m3/h	1.5	1.5	2.5	2.5	2.6	3	3.7
	Water pressure loss	Kpa	≤30						
	Dia.of inlet and outlet water	mm	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Evaporator			Copper tube with copper (Al) fin						
Dimension	Indoor unit	mm	466x440x1750						
	Outdoor unit	mm	650x450x700		750x500x1000			850x500x100	
Indoor unit Weight		kg	90	95	105	108	112	116	120
Outdoor unit Weight		kg	165	165	190	195	210	220	240

Indoor unit noise	dB(A)	≤50	≤50	≤50	≤55	≤55	≤60	≤60
Outdoor unit noise	dB(A)	≤75	≤75	≤75	≤75	≤75	≤75	≤75

Model			CFK-10(II)	CFK-12(II)	CFK-15(II)	CFK-20(II)
Type of unit			one outdoor unit two indoor units			
Cooling capacity		KW	10	12	15	20
Heating capacity		KW	5	6	7.5	10
Cooling medium			R407C			
Heating type			electric heating tube with stainless steel fin or light tube			
Power supply		Main circuit	AC 380V 3φ 50Hz AC 440V 3φ 60Hz			
		Control circuit	AC 220V 1φ 50Hz/ AC 220V 1φ 60Hz			
Protection devices			Freon high pressure、freon low pressure、water stop、super heat、lack phase、overload、safety valve			
Compressor	Type		Hermetic scroll			
	Motor power	KW	3.4	3.7	5.5	6.9
Condenser	Type		horizontal shell & tube and can condense and receive liquid efficiently			
	Water inlet temp	℃	≤32			
	Water flow	m3/h	3.7	4.4	5.5	7.3
	Water pressure loss	Kpa	≤30			
	Dia.of inlet and outlet water	mm	DN25	DN25	DN32	DN32
Indoor unit fan	Type		low noise centrifugal fan			
	Air Flow	m3/h	1000	1200	1500	2000
	Motor power	W	40	40	90	90
Evaporator			Copper tube with copper (Al) fin			
Dimension	Indoor unit	mm	466x440x1750			
	Outdoor unit	mm	950x500x1250		1200x500x1250	
Indoor unit Weight		kg	105	108	112	120
Outdoor unit Weight		kg	260	280	320	360
Indoor unit noise		dB(A)	≤55	≤55	≤55	≤60
Outdoor unit noise		dB(A)	≤75	≤75	≤75	≤75