



AIR COOLERS CATALOGUE / 2024

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♦ PRODUCT OVERVIEW

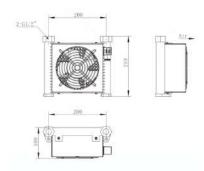
	AD series-More durable air cooler													
	Pressu	ure test	Heat exchange	Optional fan type	Product size									
Model	Strength test	Alrtightness test	area (m2)	Communication AC, direct DC	Long * wide * high	Connecting thread	Applicable occasions							
AF0510	2.5	1.8	0.9	AC220, AC380, DC12, DC24	230X103X211	PT1/2"								
AD-40	2.8	1.8	0.8	AC220, AC380, DC12, DC24	270X115X190	G1/2"								
AD-60	2.8	1.8	1.1	AC220, AC380, DC12, DC24	320X115X205	G3/4"								
AD-60TL	2.8	1.8	2.2	AC220, AC380, DC12, DC24	410X126X210	G3/4"								
AD-100	2.8	1.8	4.0	AC220, AC380, DC12, DC24	430X140X360	Gl″								
AD-100TL	2.8	1.8	8.0	AC220, AC380, DC12, DC24	605X153X335	Gl″								
AD-120	3.5	2.5	5.5	AC220, AC380, DC12, DC24	480X190X386	Gl"	Oil drain cooling							
AD-150	3.5	2.5	6.2	AC220, AC380, DC12, DC24	540X215X400	Gl″								
AD-200	3.5	2.5	8.3	AC220, AC380, DC12, DC24	577X240X460	G1-1/4"	Return oil cooling							
AD-250	3.5	3.5	10.5	AC220, AC380, DC12, DC24	570X250X460	G1-1/4"								
AD-300	3.5	3.5	18	AC220, AC380, DC12, DC24	810X286X615	G1-1/2"								
AD-300T	3.5	2.5	24	AC220, AC380, DC12, DC24	615X300X790	G1-1/2"								
AD-400	3.5	2.5	31	AC220, AC380, DC12, DC24	750X300X930	G1-1/2"								
AD-450	3.5	2.5	33.2	AC220, AC380, DC12, DC24	900X275X685	G1-1/2"								
AD-600	3.5	2.5	48.2	AC220, AC380, DC12, DC24	925X250X1000	G2"								
AD-700	3.5	2.5	50	AC220, AC380, DC12, DC24	1030X250X1010	G2"								





Dimensions





Product parameters

	Maximum oil flow	Recommendid oil flow		Applicable occasion	s	
Oil Passing Capacity	15L/min	€10L/MIN	Oil drain cool	ing of variable displace	ment vane pump	
Cooling Capacity	30.0W/°C	35.7W/°C	36,7W/°C Test conditions: Medium ISO VG-46;ambient humidity about 55%;error rate 5%			
	Voltager/frequency	AC220/50Hz	AC380/50Hz	DC12	DC24	
Fan Specification	power	36W	38W	25W	25W	
	electric current	0.23A	0.12A	2.0A	2.0A	
	Strenght test	Air tightness test		fan is suction by default		
Pressure Test	2.5 MPa	1.8 MPa	enviroments is -2°C+55°C; if you need fans of other specifications, please contact our company			

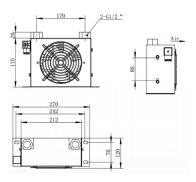


DURABLE, QUALITY AND SAFETY

AD-40

Dimensions





Product parameters

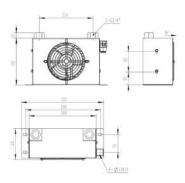
	System pressure	System pressure 10Mp		15Мра	20Мра	20Мра 25Мра		pplicable occasions	
Oil Passing Capacity	AD-40	<40	L/MIN	<30L/MIN	<20L/MIN	<10L/MIN		oil drain cooling / Return oil cooling	
	10I/min			30L/min	50L/min	Pw=Pm /	on formula: TNM -T*a) Xn		
Cooling Capacity	34.4W/°C			35.7W/°C	33.8W/°C	Test cond Medium I about 55	SO VG-46	3;ambient humidity te 5%	
	Voltager/Frequ	Voltager/Frequency		AC220/50Hz	AC380/50Hz	DC12		DC24	
Fan Specification	power		36W		38W	25W		25W	
	electric curr	ent	0.23A		0.12A	2.0A		1.0A	
	Strenght te	est	Ai	tightness test		marks: the fan is suction by default, and the applicable			
Pressure Test	2.8 MPa			1.8 MPa		nts is -2°C+55°C; If you need fans of other ions, please contact our company			



AD-60TL

Dimensions





Product parameters

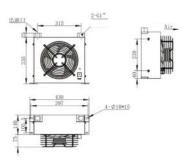
	System pressure	101	Ира	15Мра	20Мра	25Мра		Apı	plicable occasions	
Oil Passing Capacity	AD-60	<60	L/MIN	<35L/MIN	<25L/MIN	<15L/min		Oil drain cooling / Return oil cooling		
	10L/min		30L/min		50L/min	Calculation formu Pw=Pm / TNM -T*6		M -T*a)	1 -T*a) Xn	
Cooling Capacity	43.0W/°C	3.0W/°C		42.8W/°C	42.8W/°C			ditions: ISO VG-46;ambient humidity %;error rate 5%		
	Voltager/Frequ	ency		AC220/50Hz	AC380/50Hz		DC12		DC24	
Fan Specification	power			36W	36W		25W		25W	
	electric curre	ent		0.23A	0.12A		2.0A		1.0A	
	Strenght te	st	Aiı	r tightness test			an is suction by default, and the applicable			
Pressure Test	2.8 MPa			1.8 MPa	enviroments is -2°C+55°C; If you need fans of other specifications, please contact our company					



AD-100

Dimensions

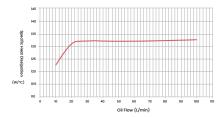


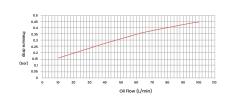


Product parameters

	System pressure	10Мра		15Мра	20Мра	20Мра 25Мра		25MPa			
Oil Passing Capacity	Recommended oil flow	<100	L/min	<70L/min	<50L/min	<10L/min		<35L/min			
	Calculation for	mula	Equ hig	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor							
Cooling Capacity	Test condition performance o		Fai	Fan AC380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate							
	Voltager/Frequency		AC220/50Hz		AC380/50H	z DC12		DC24			
Fan Specification	Power/electiric	current	6	8W/0.5A	68W/0.24A	<10.	.0A	<6.0A			
	Degree of prote	ection	IP44		IP44	IPS	56	IP56			
	(A) (Im) Noise			55	55	55		55			
Pressure Test	Strenght test		Aiı	tightness test				, and the applicable			
riessule lest	2.8 MPa			1.8 MPa	anasifications places o		5°C; If you need fans of other ontact our company				

♦ Performance curve



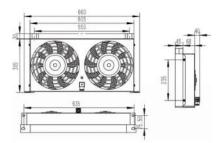




AD-100TL

Dimensions

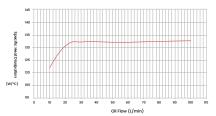


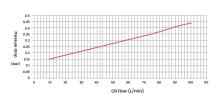


Product parameters

	System pressure		10Мра	1	5Мра	20Мра			25MPa	
Oil Passing Capacity	Recommended oil flow		<100L/min	<70L/min		<50L/min			<35L/min	
	Calculation form	ula	Equamont of highest am	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor						
Cooling Capacity	Test conditions f performance cur		Fan AC380	/50Hz me	50Hz medium ISO VG-46; ambient humidity about 55%,error rate					
	Voltager/Frequer	AC220/50Hz		AC380	/50Hz	DC12		DC24		
Fan Specification	Power/electiric cur	rent	136W/1A		136W/	0.48A	<10.0A		<6.0A	
	Degree of protect	ion	IP44		IP4	4	IP56		IP56	
	dB(A) (1m) Noise	•	55		58	5 55			55	
Pressure Test -	Strenght test		Air tightne	ss test					, and the applicable	
	2.8 MPa		1.8 MF	Pa .	enviroments is -2°C+55°C; If you need specifications, please contact our con					

♦ Performance curve



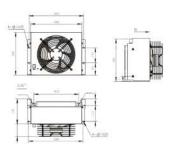




AD-120

Dimensions

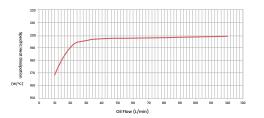


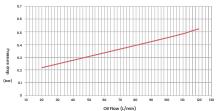


Product parameters

	System pressure		10Мра	1	5Мра	tpa 20			25MPa
Oil Passing Capacity	Recommended oil flow		<90L/min	<7	<70L/min <50L/min		OL/min		<40L/min
	Calculation form	ula	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor						
Cooling Capacity	Test conditions f performance cur	Fan AC380	Fan AC380/50Hz medium ISO VG-48; ambient humidity about 55%, error rate 5%						
	Voltager/Frequer	ncy	AC220/	50Hz	AC380,	/50Hz	DC12		DC24
Fan Specification	Power/electiric current		168W/0.73	ВА	169W/0).32A	<16.0A		<8.0A
	Degree of protect	tion	on IP44		IP4	4	IP56		IP56
	dB(A) (1m) Noise		70		70)	72		72
Pressure Test	Strenght test		Air tightne	ss test	Remai	Remarks: the fan is suction by default, and the appl		, and the applicable	
	3.5 MPa		2.5 MPa		enviroments is -2°C+55°C; If you need fans specifications, please contact our company				

♦ Performance curve

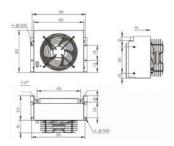






Dimensions

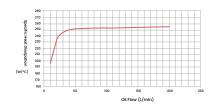


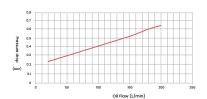


Product parameters

	System pressure		10Мра	15	БМра	21	0Мра		25MPa		
Oil Passing Capacity	Recommended oil flow		<150L/min	<110	<110L/min <8		<80L/min		<50L/min		
	Calculation form	ula	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor								
Cooling Capacity	Test conditions f performance cur		Fan AC380	Fan AC380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate 5%							
	Voltager/Frequency		AC220/	50Hz AC380/		/50Hz	DC12		DC24		
Fan Specification	Power/electiric cur	rent	95W/0.67	Ά	95W/0).38A	<16.0A		<8.5A		
	Degree of protect	ion	IP44		IP4		IP56		IP56		
	dB(A) (1m) Noise	dB(A) (1m) Noise			56	3	60		60		
Pressure Test	Strenght test		Air tightne	ss test					and the applicable		
	3.5 MPa		2.5 M	Pa		riroments is -2°C+55°C; if you need fans of other cifications, please contact our company					

♦ Performance curve



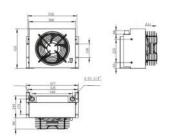




AD-200

Dimensions

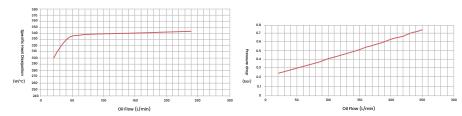




Product parameters

	System pressure		10Мра	1!	5 М ра	20Мра			25MPa	
Oil Passing Capacity	Recommended oil flow		<200L/min	<14	40L/min <12		<120L/min		<70L/min	
	Calculation form	ula	Equamont of highest am	quamont cooling power= heat doissipator power/(excepted oil temperature - the ighest ambient temperature) X Safety factor						
Cooling Capacity	Test conditions f performance cur		Fan AC380	Fan AC380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate						
	Voltager/Frequency		AC220/5	50Hz	AC380/	50Hz	DC12		DC24	
Fan Specification	Power/electiric current		120W/1.0A	Ą	135W/0).46A	<16.0A		<8.5A	
	Degree of protection		IP54		IP5	54 IP56			IP56	
	dB(A) (1m) Noise)	64		64	68			68	
Pressure Test	Strenght test		Air tightne	ss test	Remarks: the fan is suction by default, and the environments is -2°C+55°C; if you need fans of a specifications, please contact our company					
	3.5 MPa		2.5 MI	Pa						

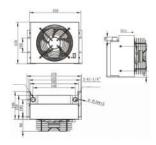
♦ Performance curve





Dimensions

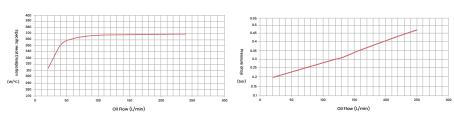




Product parameters

	System pressure		10Мра	1	5Мра	20Мра			25MPa	
Oil Passing Capacity	Recommended oil flow		<250L/min	<20	<200L/min		<140L/min		<90L/min	
	Calculation form	ula			ower= heat do nperature) X S			oted oil t	emperature - the	
Cooling Capacity	Test conditions f performance cur		Fan AC380	Fan AC380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate 5%						
	Voltager/Frequer	псу	AC220/	50Hz	AC380/	50Hz	DC12		DC24	
Fan Specification	Power/electiric current		125W/1.0	4	135W/0).46A	<16.0A		<8.5A	
	Degree of protection		IP54		IP54		IP56		IP56	
	dB(A) (1m) Noise	e	64		64		68		68	
Pressure Test —	Strenght test		Air tightne	ss test					and the applicable	
	3.5 MPa		3.5 M	3.5 MPa		enviroments is -2°C+55°C; If you need fans specifications, please contact our company				

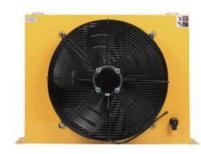
♦ Performance curve

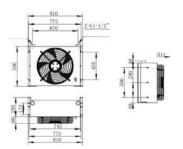




AD-300

Dimensions

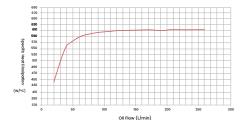


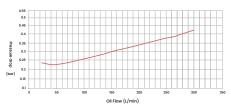


Product parameters

	System pressure		10Мра	1	5Мра	20	Омра		25MPa	
Oil Passing Capacity	Recommended oil flow		<300L/min <		<260L/min <180I		0L/min		<120L/min	
	Calculation form	ula	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor							
Cooling Capacity	Test conditions f performance cur	Fan AC380	Fan AC380/50Hz medium ISO VG-48; ambient humidity about 55%,error rate 5%							
	Voltager/Frequency		AC220/50Hz		AC380/	50Hz	DC12		DC24	
Fan Specification	Power/electiric current		450W/1.0	А	500W	/1.1A	<16.0A X	2	<8.0A X 2	
	Degree of protect	ion	IP54		IP54		IP56		IP56	
	dB(A) (1m) Noise	dB(A) (1m) Noise			72		72		72	
Pressure Test	Strenght test		Air tightne	ss test	Remar	Remarks: the fan is suction by default, and the		and the applicable		
	3.5 MPa		3.5 MPa		enviroments is -2°C+55 specifications, please of			C; If you need fans of other intact our company		

♦ Performance curve





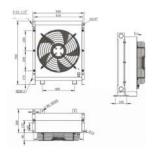
16



AD-300T

Dimensions

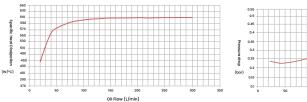


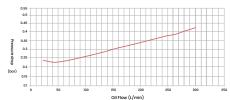


Product parameters

	System pressure		10Мра	1	5 М ра	20Мра			25MPa			
Oil Passing Capacity	Recommended oil flow	<300L/min		<260L/min		<180L/min			<120L/min			
	Calculation form	ula	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor									
Cooling Capacity	Test conditions f performance cur		Fan AC380	:380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate 5%								
	Voltager/Frequency		AC220/50Hz		AC380/	50Hz	DC12		DC24			
Fan Specification	Power/electiric current		450W/1.0A		400W/	400W/0.46A		2	<8.0A X 2			
	Degree of protection		IP54		IP5	4 IP56			IP56			
	dB(A) (1m) Noise		72		72	!	68	68				
Dragoure Took	Strenght test	Air tightne		ss test		Remarks: the fan is suction by default, and the applicable						
Pressure Test	3.5 MPa		2.5 MPa			enviroments is -2°C+55°C; If you need fans of other specifications, please contact our company						

♦ Performance curve



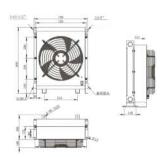


KLÜG HYDRAULIES

AD-400

Dimensions

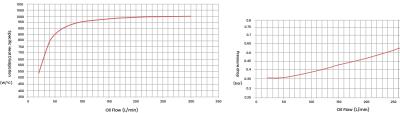




Product parameters

	System pressure	10Мра		1	5Мра	21	20Мра		25МРа		
Oil Passing Capacity	Recommended oil flow	<380L/min		<2	90L/min	<200L/min			<130L/min		
	Calculation form	Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor									
Cooling Capacity	Test conditions for performance curves		Fan AC380	/50Hz me	edium ISO VG-	n ISO VG-46; ambient humidity about 55%;error rate 5%					
	Voltager/Frequency		AC220/	50Hz	AC380,	50Hz	DC12	DC24			
Fan Specification	Power/electiric current		700W/3.5	ōΑ	A 800W/1.56A <16.0A X 2		2	<8.0A X 2			
,	Degree of protection		IP54		IP5	4	IP56	56 IP56			
	dB(A) (1m) Noise		72		72		72 72				
	Strenght test		Air tightne	ss test	Remai	ks: the far	n is suction by	default	, and the applicable		
Pressure Test	3.5 MPa	3.5 M	Pa	Remarks: the fan is suction by default, and the environments is -2°C+55°C; If you need fans of specifications, please contact our company							

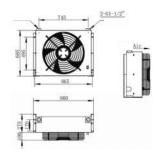
♦ Performance curve





Dimensions

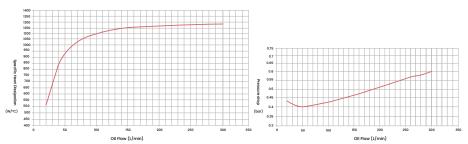




Product parameters

	System pressure		10Мра		15Мр	3	20Мра		25МРа		
Oil Passing Capacity	Recommended oil flow	<420L/min			<320L/min		<220L/min		<150L/min		
	Calculation formula		Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor								
Cooling Capacity	Test conditions for performance curves		Fan AC380/50Hz medium ISO VG-48; ambient humidity about 55%;error rate 5%								
	Fan type	External rotor fan				DC Fan	DC Fan		Hydraulic motor		
	Voltager/Frequency		AC220/50Hz		AC380/50Hz		DC12	DC24			
Fan Specification	Power/electiric current		700W/3.86A		800W/1.65A		<8.0A X4 <8.0A		X4	8, 10, 12, 16,	
	Degree of protect	ion	IP54		IP54		IP56		6	20, 25, 32 ml/r	
	dB(A) (1m) Noise)	75		7	5	74	74			
Decesion Tool	Strenght test		Air tightness test		t		Remarks: the fan is suction by default, and the applical				
Pressure Test	3.5 MPa		2.5 MI	2.5 MPa			enviroments is -2°C+55°C; If you need fans of other specifications, please contact our company				

♦ Performance curve

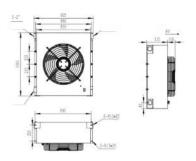




AD-600

Dimensions

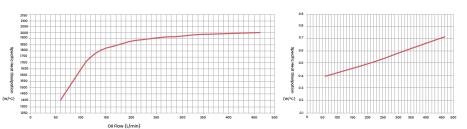




Product parameters

	System pressure	10Мра		15Мр	a	20Мрс	1	25МРа			
Oil Passing Capacity	Recommended oil flow	<550L/min		<330L/min		<220L/min		<180L/min			
	Calculation form		Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor								
Cooling Capacity	Test conditions f performance curv		Fan AC380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate 5%								
	Fan type		External	l rotor fan		DC Fan	DC F	an	Hydraulic motor		
	Voltager/Frequer	ncy AC380	/50Hz	AC380	/50Hz	DC12	DC24				
Fan Specification	Power/electiric cur	rent 750W/	750W/3.86A		/7.0A	<8.0A X4	<8.5A	X4	8, 10, 12, 16,		
	Degree of protect	ion IPS	IP54		54	IP56	IP56	6	8, 10, 12, 16, 20, 25, 32 ml/r		
	dB(A) (1m) Noise	7!	5	7	5	75	75				
Procesure Toot	Strenght test	Air ti	ghtness t	ntness test Remarks: the fan is suction by default, and the							
Pressure Test	3.5 MPa		2.5 MPa			enviroments is -2°C+55°C; If you need fans of other specifications, please contact our company					

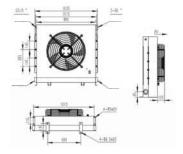
♦ Performance curve





Dimensions

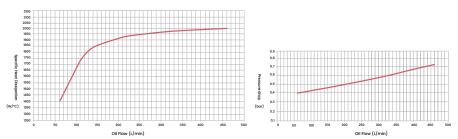




Product parameters

	System pressure		10Мра		15Мр	а	20Мра		25МРа			
Oil Passing Capacity	Recommended oil flow		<650L/min	4	<450L/min		<300L/min			<240L/min		
	Calculation formula		Equamont cooling power= heat doissipator power/(excepted oil temperature - the highest ambient temperature) X Safety factor									
Cooling Capacity	Test conditions for performance curves		Fan AC380/50Hz medium ISO VG-46; ambient humidity about 55%;error rate 5%									
	Fan type		External rotor fan				DC Fan	DC Fan		Hydraulic motor		
	Voltager/Frequency		AC380/50Hz	A	AC380/50Hz		DC12	DC24				
Fan Specification	Power/electiric current		750W/3.6A		800W/7.0A		<8.0A X4	<8.0A X4		8, 10, 12, 16,		
	Degree of protection		IP54		IP54		IP56 IP56		i6	20, 25, 32 ml/r		
	dB(A) (1m) Noise		75		75		75	75				
Description Test	Strenght test		Air tightness test				Remarks: the fan is suction by default, and the applicable					
Pressure Test	3.5 MPa	3.5 MPa			2.5 MPa			enviroments is -20°C+75°C; If you need fans of other specifications, please contact our company				

♦ Performance curve





Product application and features



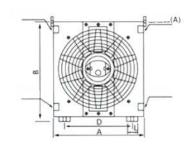
Application Fields

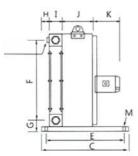
The cooler is specially used in construction machinery, which requires high performance, high efficiency and minimum overall size far easy installation. Typical applications include oil cooling for cranes, concrete mixers, pump trucks, povers and d rives.

Product Feature

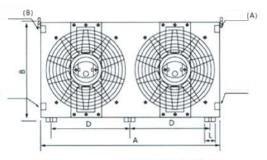
The cooler is specially used in construction machinery, which requires high performance, high efficiency and minimum overall size far easy installation. Typical applications include oil cooling for cranes, concrete mixers, pump trucks, pavers and drives.

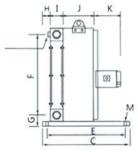
Outline Drawing





DXH-3~DXH-11





DXH-12~DXH-15



Product application and features



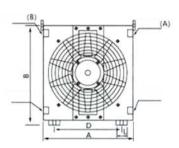
Application Fields

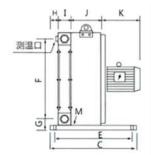
High performance cooler with axial fan is su ita ble for hydraulic cooling and can be used in oil return and bypass. Typical applications: industrial power station, lubrication system (such as gearbox) and machine tool.

Product Feature

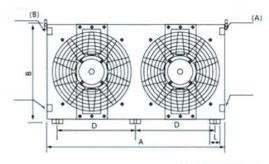
El cooler adopts high-performance axial fan and powerful heat sink to obtain the best performance. It can provide medium speed or high-speed fan type, and lit smodulardesign enables it to add oil supply pump and filterwhen needed.

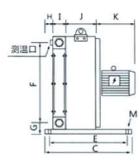
Outline Drawing





DXB-3~DXB-11





DXB-12~DXB-15



Product application and features



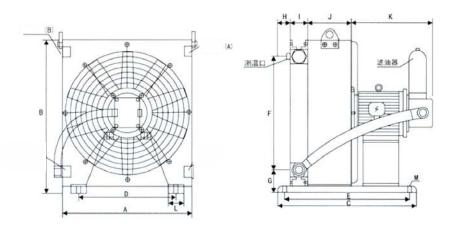
Application Fields

Low noise seriesail/air cooler has a unique vertical exhaust flow mode, which is su it a bie for all kinds of small and medium-sized oil / air coolers Hydraulic system. It can be used for oil return and bypass cooling. Typical applications: hoisting machinery, lubrication system (such as gear) Box) and machine tool.

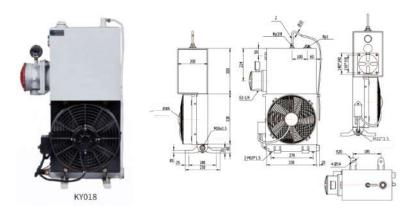
Product Feature

The advantage of bypass cooling system is that it includes stable cooling (and filtration), and its performance is not affected by flow change and main hydraulic circuit The impact of. In this way, the specification of the cooler only needs tobe so it at ble lot the thermal load without meeting the maximum return oil flow of the main circuit. Another advantage is that the by pass cooler is completely unaffected by pressure shock, which may damage the cooler.

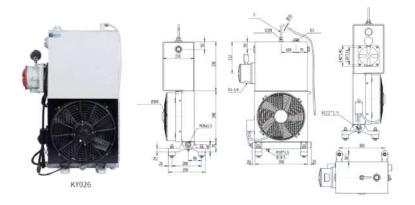
Outline Drawing







Model	Thank volume	Blade diameter		Cooler	Fan	Filter	Thermal switch	Stich temperature value		Maximum allowable temperature		sw	G
			Fan voltage					Upper limit	Lower limit	Continued		(mm)	9
KY018	18L	305mm	24V/12V	1	1	1	1	55	50	65	85	22	M22 X1.5



								Stich temperature value		Maximum allowable temperature		SW	G		
	Model Thank volume		Blade diameter	Fan voltage	Cooler	Fan	Filter	Thermal switch	Upper limit	Lower limit	Continued		(mm)	G	
	KY026	26L	305mm	24V/12V	1	1	1	1	55	50	65	85	22	M22 X1.5	



1. Introduction

The oil cooler assembly series for concrete mixers manufactured by our company offers outstanding performance and has been highly praised by customers after years of practical use. The assembly includes the cooler, oil tank, fan, air guide cover, fan cover, protective net, temperature switch, and filler. The oil tank is integrated with the radiator, and the filler is connected to the oil tank through a flange. Please refer to the table on page I for optional models.

2. Installation Position and Connection Mode

It is recommended to install the cooler in a location where hot air does not flow into it, to prevent interference with smooth airflow. The cooler is connected to the frame with two lower mounts. During installation, shockproof blocks should be used to reduce vibration and impact during vehicle operation, thereby extending the cooler's service life.

3 Oil Tank

The top of the oil tank is equipped with an oil filler and a pressure balance port, and the side is fitted with an oil level gauge. During initial use, oil should be added up to the center line of the gauge. When filling, air in the system should be purged as much as possible, and the oil filling plug should be tightly covered after each fill.

4. Electrical Connection

The cooler motor is a DC motor with a service life of 3000 working hours. Since DC motors are not suitable for long-term continuous operation, they must be used with a temperature switch and contactor during use.

5. Temperature Switch

The temperature switch enables intermittent fan operation through its "on/off" action. Two different temperature switch models are available. The operating process is as follows: as oil temperature rises, when it reaches the upper limit of the switch's set value, the switch activates, the fan starts operating, and the cooling air quickly reduces the oil temperature. As the temperature falls, when it reaches the lower limit, the switch disconnects and the fan stops running.

The temperature switch is not installed on the cooler upon leaving the factory. For use, install the switch in the MI4 threaded hole on the end face of the lower head. This threaded hole is blocked by a plug at the factory; remove the plug, then screw in and tighten the temperature switch along with the sealing ring. Note: When screwing in the temperature switch, the maximum torque should not exceed 20 Nm. Excessive torque will damage the switch and cause base cracking. Such damage is not covered under warranty. To prevent the temperature switch from "overheating," a relay must be used. Refer to the electrical schematic diagram for the proper use of the switch.

6 Filter

The filter is connected to the cooler through a flange and is an oil-absorption filter. After installation, the filter is submerged in oil, with only the end cover exposed outside the tank. The filter element can be replaced through the end cover, and the oil circuit is automatically cut off during replacement. Therefore, it is not necessary to drain the oil from the system when replacing the filter element. The filter is equipped with a vacuum gauge to indicate the degree of hydraulic oil contamination.