



Fluid cooling units

AKZ - Oil cooling unit

(Circulation type)



New! 10 series

with 400V offers
more compact design
and easy-maintenance.

Fluid cooling units

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- High-accuracy temperature control with Daikin inverter.
- Greater energy-savings performance.
- 400V model without transformer needed.
- The improved filter reduces the risk of clogging.



Excluded from high-efficiency motor regulations

10 Series

Model code		AKZ14A-500	AKZ32A-500	AKZ43A-500	AKZ56A-500	AKZ90A-500
Cooling unit horsepower	HP	0.5	1.2	1.5	2.0	3.0
Cooling capacity (50/60Hz)*	kW	1.3 / 1.4	2.8 / 3.2	3.8 / 4.3	5.0 / 5.6	8.0 / 9.0
Compressor (Hermetic DC swing type)		Equivalent to 0.4 kW	Equivalent to 0.75 kW	Equivalent to 1.1 kW	Equivalent to 1.5 kW	Equivalent to 2.2 kW
Oil pump theoretical discharge rate (50/60Hz)	L/min	12 / 14.4	24 / 28.8		30 / 36	
Refrigerant		R-410A				
Power supply voltage**	Main circuit	3-phase AC 380•400•415V 50 / 60Hz				
	Operating circuit	DC12 / 24V				
Max. power consumption Max. current consumption	380 V 50 / 60 Hz	1.01 kW / 2.3 A	1.59 kW / 3.1 A	1.99 kW / 3.6 A	2.49 kW / 4.6 A	4.39 kW / 8.4 A
	400 V 50 / 60 Hz	1.02 kW / 2.2 A	1.60 kW / 3.0 A	1.99 kW / 3.5 A	2.54 kW / 4.6 A	4.42 kW / 8.2 A
	415 V 50 / 60 Hz	1.03 kW / 2.2 A	1.60 kW / 2.9 A	2.00 kW / 3.4 A	2.54 kW / 4.5 A	4.38 kW / 8.1 A
External dimensions (HxWxD)	mm	650 x 360 x 440	775 x 360 x 440	875 x 360 x 440	1,110 x 470 x 500	1,220 x 560 x 620
Mass	kg	57	63	67	86	104
Items prepared by customer	Molded-case circuit breaker (Rated current) A	10 (Required for types other than -B)***			15 (Required for types other than -B)***	20 (Required for types other than -B)***

* The cooling capacity indicates the value at the standard point (inlet oil temperature: 35°C, room temperature: 35°C, oil used: VG32, 1 atm). This unit has about ± 5% of product tolerance.

** Use a commercial power supply for the power source. The use of an inverter power supply may cause burn damage to the machine.

The voltage fluctuation range should be within ±10%. If it is more than ±10%, please consult us.

*** The moulded-case circuit breaker is not supplied with this product. Please prepare it yourself.

Options and their combinations

Option symbol	With breaker	Compliance with CE	With heater	With tank
-B	✓			
-C		✓		
-H			✓	
-T				✓

Combination of options is possible



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