

Manufacturing Support & Supplies Co.
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Apr. 2017 R57E
Compact Chiller for EDM

Striving to Make Products that Move You

ORION

for Electrical Discharge Machining

Light-duty Without Water Tank Chillers

RKS-F-EDM Series

The Chiller Designed for EDM

Equipped with Water Temp. Sensor and EDM Temp. Sensor.

Accurate Temp. Control ($\pm 0.5^{\circ}\text{C}$)

Equipped with shell and coil type heat exchanger which is less likely to clog.

Application Example

Electrical Discharge Machining



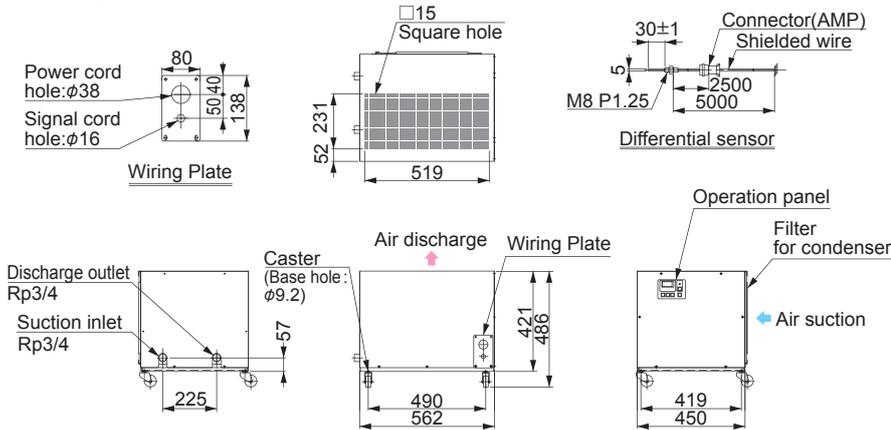
RKS1500F-EDM

Specification Chart

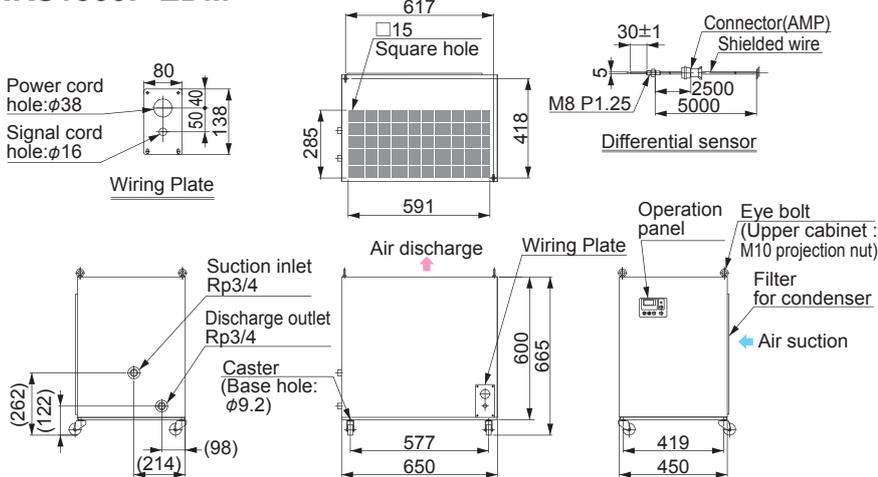
Model		RKS750F-EDM	RKS1500F-EDM	
Performance Specification	Cooling Capacity	kW	2.52 / 2.80	5.1 / 5.6
	Ambient Temp. Range	°C	10 - 35	20 - 35
	Operating Temp. Range(Liquid Temp.)	°C	10 - 35	20 - 35
	Water Temp. Precision	°C	+/- 0.5	+/- 0.5
	Operating Max. Pressure	MPa	0.49	0.39
	Operating Circulation Range	L / min	20 - 27 / 20 - 30	20 - 35 / 25 - 40
Power Specification	Power Source	V (Hz)	3 phase 200+/-10%(50/ 60)	3 phase 200+/-10% (50) ,220 +/-10% (60)
	Power Consumption(50 / 60 Hz)	kW	0.67 / 0.82 (at 200V)	1.4 / 1.7 (at 200V)
	Electrical Current(50 / 60 Hz)	A	2.4 / 2.7 (at 200V)	5.0 / 5.6 (at 200V)
	Power Capacity	kVA	1.3	2.6
Equipment Details	Compressor		Hermetically sealed rotary type	
	Condenser		Fin and tube , forced air cooling	
	Evaporator	Construction	Shell and coil	
		Material	SUS304	
Refrigerant		R407C		
External Dimensions (H × D × W)	mm	486 × 562 × 450	665 × 650 × 450	
Product Mass	kg	Approx. 50	Approx. 60	

External Dimensions

RKS750F-EDM



RKS1500F-EDM

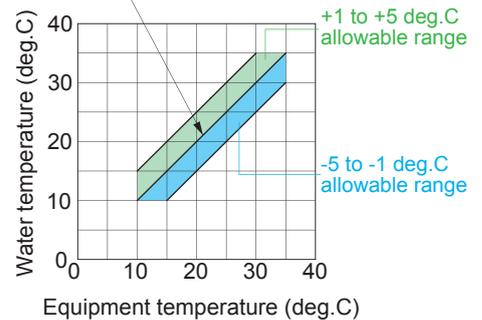


Operating Temperature

RKS750F-EDM

Differential temp. control mode

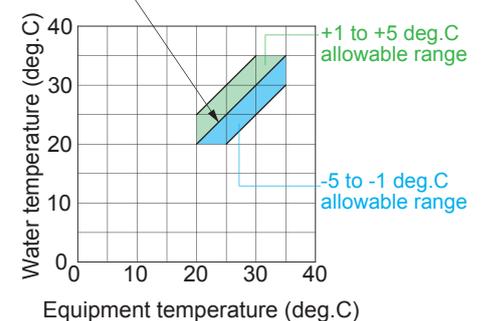
+/- 0 deg.C allowable range



RKS1500F-EDM

Differential temp. control mode

+/- 0 deg.C allowable range



For Orders and Inquiries:

Authorized Distributor:



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This catalog contains product specifications as of Apr., 2017.

- Actual product colors may vary slightly from catalog.
- The structure or specifications of products contained in this catalog are subject to change without prior notice.