

Technical Specifications

General Description:

Industrial Coolant Cooler, Stand alone type(with base wheels), Refrigerant based, with LCD Digital Controller (English Language), embodying low noise oil pump and rotary compressor, with Technical Specifications and Essential Safety Features as mentioned below : **Qty. 06 Sets**

Sr. No.	Description of Parameter	Required Range	
1	Cooling Capacity	6-7 kW	
		1.75-2.0 ton	
		5000-6000 kcal/hr	
2	Temperature Specs.	Temperature Regulating Range	5-50 °C
		Ambient Temperature	5-40 °C
		Inlet Coolant Temperature	5-50 °C
		Outlet coolant Temperature	5-15 °C
		Temperature Control Accuracy	± 1°C, ON/OFF control
3	Nature of Coolant used.	Clear Cutting Oil without water mixing.	
	Viscosity of oil used.	Equal or less than ISO VG 32	
4	Coolant Tank Capacity	Equal or more than 50ℓ	
5	Oil pump discharge flow rate	Equal or more than 20 ℓ / min	
6	Refrigerant used	R407 / R22, Preferably R407	
7	Inlet/Outlet Port Size	1" - 2" Hose Pipe (PT) with Nipple	
8	Power Source	3-Phase, 400 V ± 10%. 50 Hz.	
9	Machine Control and Essential Safety Features	• Oil High/Low pressure monitoring and protection system	
		• Compressor High/Low pressure monitoring and protection system	
		• Compressor overheat/thermal protection system	
		• Excess current/voltage detection system for motor protection	
		• Oil temperature monitoring and control system	
		• Oil temperature range setting	
		• Oil level switch	
		• Oil flow switch	
		• Reverse phase detection	
		• Circuit Breaker/Short circuit protection	
	• Other Standard Control & Safety Features as per manufacturer's design.		
11	Documentation	Operation and Maintenance manual with circuit diagrams in English Language.....01 Hard copy with each machine	
10	Make	European, UK, Japan and USA only.	
11	Literature	Supporting Literature e.g. Catalogues, Brochures, etc. must be provided with the quotation, otherwise the quotation will not be considered.	