

مصنع دانة لسخانات ومبردات الماء (ش ذ م م) DANA WATER HEATERS & COOLERS FACTORY LLC



ISO 9001:2008

ISO 9001:2008 registered company by IIC. (No. : JU – 1306)

TECHNICAL SPECIFICATIONS

DANA AIR COOLED WATER CHILLER MODEL DC-10000/15000/20000



SALIENT FEATURES

- “4-stage cycling” Refrigeration Circuit
- Heavy Duty Tropicalized Compressors (Made in USA)
- Integrated Centrifugal Circulation Pumps (Made in Spain)
- Single Point Power Connection
- Generously Sized 3-sided Copper Tube/Aluminum-finned Air-cooled Condensers
- High Efficiency, Stainless Steel Brazed Tube Heat Exchangers
- Heavier Frame Construction (made from heavy Gauge Galvanized steel , epoxy powder coated for extra corrosion resistant) for greater resistance to shipping & handling.
- Standard Weather-Proof Enclosures
- Suitable for Open & Closed fluid Circuits
- Acoustic-Composite Axial Discharge Fans – for low-noise levels & higher efficiency.
- Easy Access for Maintenance–
- Temperature Control :- Manually adjustable 3°C to 30°C with digital thermometer.
- Adjustable time-delay switch



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Model No	DC-10000	DC-15000	DC-20000
Cooling Capacity kW / Btu / hr	35 / 1,20,000	52.5 / 1,80,000	70 / 2,40,000
Compressor	COPELAND-USA (Tandem)	COPELAND-USA (Tandem)	COPELAND-USA (Tandem)
Power Input kW/hr	12.75	18	23
RLA / MOC	21	30	41
LRA	167	225	280
COP / EER	2.75 / 9.5	2.9 / 10	3.0 / 10.4
Electric supply	440V / 50-60 Hz / 3 Ph	440V / 50-60 Hz / 3 Ph	440V / 50-60 Hz / 3 Ph
Evaporator	Shell and Tube Type	Shell and Tube Type	Shell and Tube Type
Condenser	Aluminum Finned Tube Draft Forced	Aluminum Finned Tube Draft Forced	Aluminum Finned Tube Draft Forced
Axial Fan Information	Φ 630 mm x 2 Power input - .55 kW Current amps. – 1.6 RPM – 1320 Flow Rate – 14,000m ³ Noise level dB – 72	Φ 630 mm x 3 Power input - .55 kW Current amps. – 1.6 RPM – 1320 Flow Rate – 14,000m ³ Noise level dB – 72	Φ 630 mm x 4 Power input - .55 kW Current amps. – 1.6 RPM – 1320 Flow Rate – 14,000m ³ Noise level dB – 72
Fluid Circulation Pump			
Make	ESPA Spain	ESPA Spain	ESPA Spain
Capacity / qty.	1 Hp x 2 no	1 Hp x 2 no	1 Hp x 2 no
Flow Cap. / GPM	18	18	18
Connection	25 x 25 mm ID	25 x 25 mm ID	25 x 25 mm ID
Refrigerant	R -22	R -22	R -22
Control & Instrument	Danfoss / Sporlan	Danfoss / Sporlan	Danfoss / Sporlan
Dimensional Data	1500 x 1200 x 1350 (W x D x H) mm	1500 x 1200 x 1350 (W x D x H) mm	1500 x 1200 x 1350 (W x D x H) mm
Power Supply	440v / 50-60 Hz / 3 ph	440v / 50-60 Hz / 3 ph	440v / 50-60 Hz / 3 ph
Weight	450 kg	520 kg	735 kg



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