

WXRD-1500B

Main Accessories:

THERMAL DESIGN DATA - CAPACITY SELECTION kW

RefrigerantNH3-R717

	WET BULB TEMPERATURE °C												
	20	21	22	23	24	25	26	27	28	29	30	31	32
CONDENSING TEMPERATURE °C	30	1304	1181	1071	943	838	704						
	31	1442	1339	1230	1103	987	862	728					
	32	1579	1471	1364	1250	1119	1007	882	741				
	33	1724	1630	1515	1402	1293	1163	1034	904	761			
	34	1875	1744	1667	1563	1442	1316	1181	1056	920			
	35	2055	1923	1807	1705	1596	1471	1351	1220	1095	944	807	694
	36	2174	2083	2000	1852	1744	1630	1500	1376	1230	1111	974	852
	37	2344	2239	2143	2055	1899	1786	1667	1546	1415	1240	1136	987
	38	2500	2419	2308	2206	2083	1974	1829	1705	1563	1442	1261	1111
	39	2679	2586	2500	2381	2239	2143	2027	1875	1744	1579	1471	1271
	40	2830	2727	2586	2500	2419	2273	2174	2055	1923	1765	1613	1485

PHYSICAL DATA (including accessories) - UNITARY

Overall length	5976 mm
Standard unit	5616 mm
Pump 1	360 mm
Overall width	2230 mm
Standard unit	2230 mm
Overall height	5000 mm
Standard unit	5000 mm
Shipping / operating weight	6910 / 11260 kg
Standard unit	6910 / 11260 kg
Heaviest section	4618 kg
Overflow diameter	(1x)DN 65mm
Make up diameter	(1x)DN 40 mm
Drain diameter	(1x)DN 50 mm
Number of coils per unit	2
Exact unit dimensions and weights may be influenced by accessories/option combinations.	

ELECTRICAL DATA - UNITARY

Fan motor

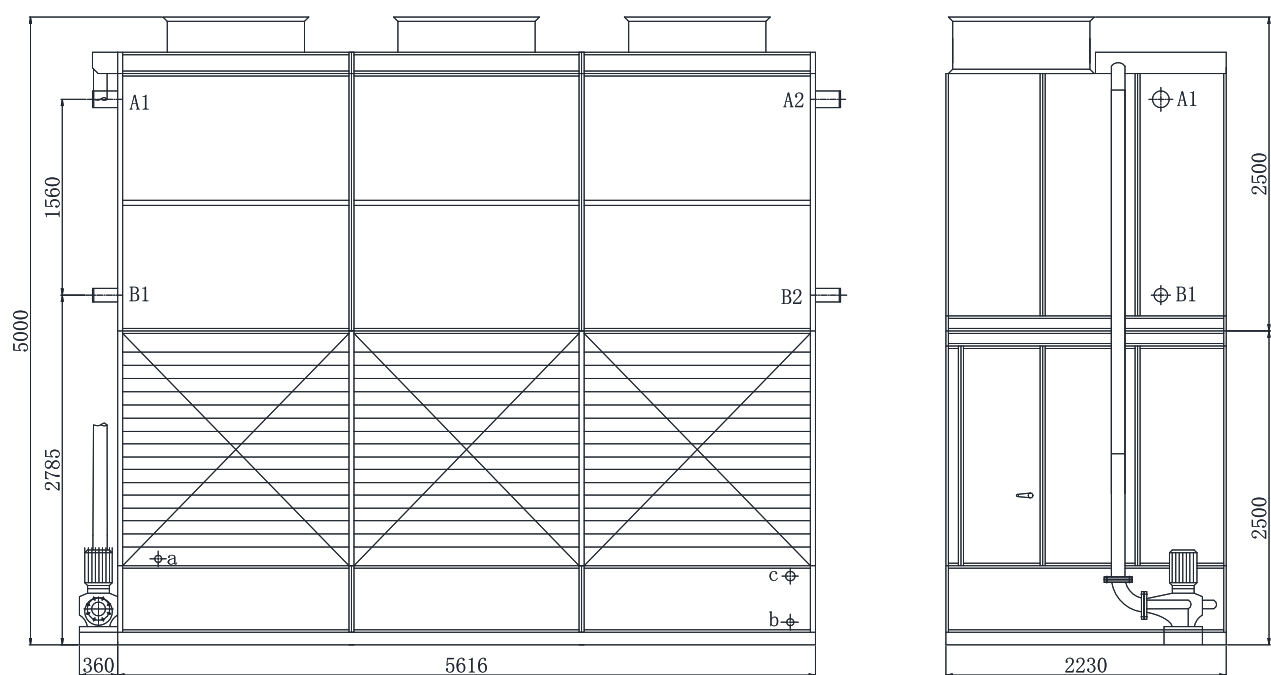
General

Fan motor BHP (Net mech output power at motor shaft)	(3 x) 5.5 kW
Fan motor voltage	415 V
Frequency	50 Hz
Protection class	IP56
Mounting	V1

Single speed

Fan motor power	(3 x) 5.5kW
Efficiency level fan motor	IE3
Fan full load current (Nominal Voltage)	(3 x) 13 A (415 V)
Fan synchron speed	730RPM

Spray pump motor power	(1x) 4.0 kW
Efficiency level pump motor	IE3
Spray pump motor voltage	415V
Frequency	50 Hz
Spray pump full load current	(1x) (8.22 A) 415V
Spray pump synchron speed	1450 RPM



EVAPORATIVE COIL DATA - UNITARY

Evaporative coil type	304
Evaporative coil arrangement	Wet coil - 2pass
Evaporative coil inlet connections	(2x) DN 100
Evaporative coil outlet connections	(2x) DN 100
Evaporative coil volume	(2x) 517.4 L
Evaporative coil surface	(2x) 106.9m²
Evaporative coil dry weight	(2x) 1409.5 kg

AERODYNAMICAL DATA - UNITARY

Air flow (100% RPM/100% RPM)	(3x) 38000 / (3x) 38000m³/h
Number of fans	3
Fan type	Axial
Approximate Fan speed	730 RPM

REFRIGERANT DATA

Total pressure drop (@1500.0 / 1500.0)	6.9 / 6.9kPa
Standard unit	6.9 / 6.9 kPa
NH3-R717 charge	115.0 kg

HYDRAULICAL DATA - UNITARY

Spray water flow	(1x) 180 m³/h
Maximum evaporation	1.79 m³/h
Bleed (cycles of concentration 2.5)	1.19 / 1.19 m³/h
Make-Up (cycles of concentration 2.5)	2.98 / 2.98 m³/h
Pan volume operating	4.7m³
Pan volume overflow	5.7m³
Pressure range mechanical make-up valve	200 to 300KPa

OPTIONS

- Stainless steel coil
- Stainless steel casing
- Electrical pan heater
- Low level cut off switch
- Fan vibration switch