

WXRD-1000B

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	870	787	714	629	559	469							
	31	962	893	820	735	658	575	485						
	32	1053	980	909	833	746	671	588	495					
	33	1149	1087	1010	935	862	775	690	602	508				
	34	1250	1163	1111	1042	962	877	787	704	613				
	35	1370	1282	1205	1136	1064	980	901	813	730	629	538	463	402
	36	1449	1389	1333	1235	1163	1087	1000	917	820	741	649	568	488
	37	1563	1493	1429	1370	1266	1190	1111	1031	943	826	758	658	585
	38	1667	1613	1538	1471	1389	1316	1220	1136	1042	962	840	741	667
	39	1786	1724	1667	1587	1493	1429	1351	1250	1163	1053	980	847	827
	40	1887	1818	1724	1667	1613	1515	1449	1370	1282	1176	1075	990	855

PHYSICAL DATA (including accessories) - UNITARY

Overall length	4744 mm
Standard unit	4384 mm
Pump 1	360 mm
Overall width	2230 mm
Standard unit	2230 mm
Overall height	4255 mm
Standard unit	4255 mm
Shipping / operating weight	4820 / 8210 kg
Standard unit	4820 / 8210 kg
Heaviest section	3206 kg
Overflow diameter	(1x)DN 65mm
Make up diameter	(1x)DN 40 mm
Drain diameter	(1x)DN 50 mm
Number of coils per unit.....	1
Exact unit dimensions and weights may be influenced by accessories/option combinations.	

ELECTRICAL DATA - UNITARY

Fan motor

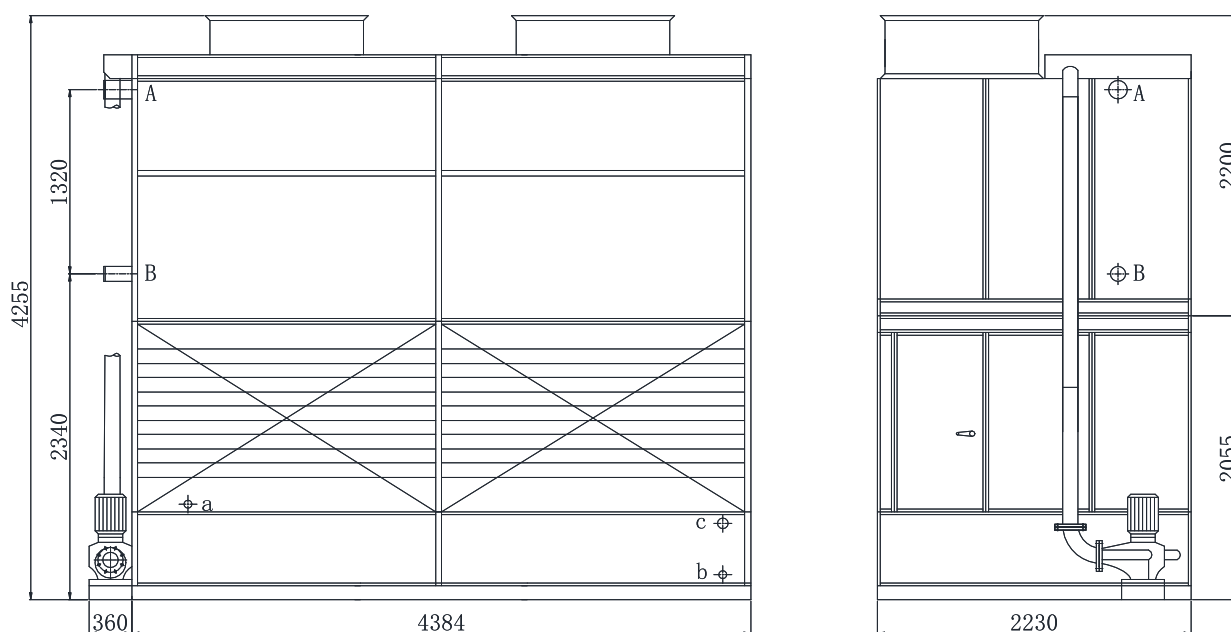
General

Fan motor BHP (Net mech output power at motor shaft)	(2 x) 5.5 kW
Fan motor voltage	415 V
Frequency	50 Hz
Protection class	IP56
Mounting	V1

Single speed

Fan motor power	(2 x) 5.5kW
Efficiency level fan motor	IE3
Fan full load current (Nominal Voltage)	(2 x) 13 A (415 V)
Fan synchrone speed	730RPM

Spray pump motor power	(1x) 3.0 kW
Efficiency level pump motor	IE3
Spray pump motor voltage	415V
Frequency	50 Hz
Spray pump full load current	(1x) (6.97 A) 415V
Spray pump synchrone speed	1445 RPM



EVAPORATIVE COIL DATA - UNITARY

Evaporative coil type	304
Evaporative coil arrangement	Wet coil - 2pass
Evaporative coil inlet connections	(1x) DN 100
Evaporative coil outlet connections	(1x) DN 100
Evaporative coil volume	(1x) 691.6 L
Evaporative coil surface	(1x) 142.9m ²
Evaporative coil dry weight	(1x) 1863.0 kg

AERODYNAMICAL DATA - UNITARY

Air flow (100% RPM/100% RPM)	(2x) 38000 / (2x) 38000m ³ /h
Number of fans.....	2
Fan type	Axial
Approximate Fan speed	730 RPM

REFRIGERANT DATA

Total pressure drop (@1000.0 / 1000.0)	14.2 / 14.2kPa
Standard unit	14.2 / 14.2 kPa
NH3-R717 charge	73.0 kg

HYDRAULICAL DATA - UNITARY

Spray water flow	(1x) 150 m ³ /h
Maximum evaporation	1.31 m ³ /h
Bleed (cycles of concentration 2.5)	0.87 / 0.87 m ³ /h
Make-Up (cycles of concentration 2.5)	2.18 / 2.18 m ³ /h
Pan volume operating	4.1m ³
Pan volume overflow	4.9m ³
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