

WXRD-600B

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	522	472	429	377	335	282						
	31	577	536	492	441	395	345	291					
	32	632	588	545	500	448	403	353	297				
	33	690	652	606	561	517	465	414	361	305			
	34	750	698	667	625	577	526	472	423	368			
	35	822	769	723	682	638	588	541	488	438	377	326	278
	36	870	833	800	741	698	652	600	550	492	444	390	341
	37	938	896	857	822	760	714	667	619	566	496	455	395
	38	1000	968	923	882	833	789	732	682	625	577	504	444
	39	1071	1034	1000	952	896	857	811	750	698	632	588	508
	40	1132	1091	1034	1000	968	909	870	822	769	706	645	594

PHYSICAL DATA (including accessories) - UNITARY

Overall length	3050 mm
Standard unit	2730 mm
Pump 1	320 mm
Overall width	2230 mm
Standard unit	2230 mm
Overall height	4255 mm
Standard unit	4255 mm
Shipping / operating weight	3420 / 5500 kg
Standard unit	3420 / 5500 kg
Heaviest section	2218 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

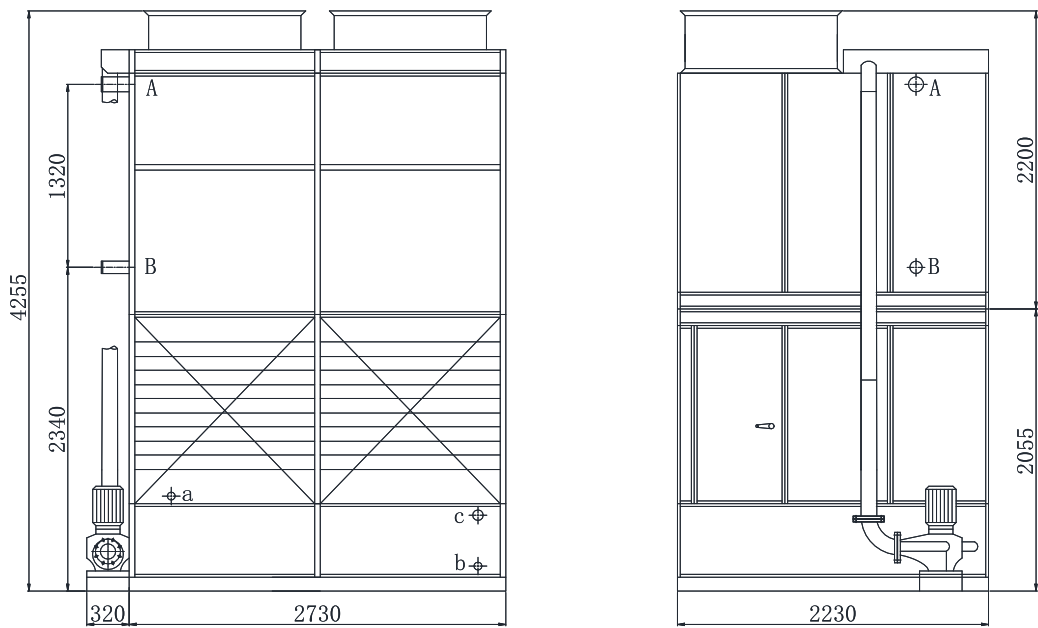
General

Fan motor BHP (Net mech output power at motor shaft)	(2 x) 4.0 kW
Fan motor voltage	415 V
Frequency	50 Hz
Protection class	IP56
Mounting	V1

Single speed

Fan motor power	(2 x) 4.0kW
Efficiency level fan motor	IE3
Fan full load current (Nominal Voltage)	(2 x) 9.65 A (415 V)
Fan synchron speed	735RPM

Spray pump motor power	(1x) 2.2 kW
Efficiency level pump motor	IE3
Spray pump motor voltage	415V
Frequency	50 Hz
Spray pump full load current	(1x) (4.56 A) 415V
Spray pump synchron speed	1435 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 80
Evaporative coil volume	(1x) 420.1 L
Evaporative coil surface	(1x) 86.8m ²
Evaporative coil dry weight	(1x) 1168.0 kg

AERODYNAMICAL DATA - UNITARY

Air flow (100% RPM/100% RPM)	(2x) 33000 / (2x) 33000m ³ /h
Number of fans	2
Fan type	Axial
Approximate Fan speed	735 RPM

REFRIGERANT DATA

Total pressure drop (@600.0 / 600.0)	3.9 / 3.9kPa
Standard unit	3.9 / 3.9 kPa
NH3-R717 charge	44.0 kg

HYDRAULICAL DATA - UNITARY

Spray water flow	(1x) 100 m ³ /h
Maximum evaporation	0.72 m ³ /h
Bleed (cycles of concentration 2.5)	0.48 / 0.48 m ³ /h
Make-Up (cycles of concentration 2.5)	1.20 / 1.20 m ³ /h
Pan volume operating	2.3m ³
Pan volume overflow	2.7m 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