

WXRD-400B

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	347,8	315	286	252	223	188							
	31	384,6	357	328	294	263	230	194						
	32	421,1	392	364	333	299	268	235	198					
	33	459,8	435	404	374	345	310	276	241	203				
	34	500	465	444	417	385	351	315	282	245				
	35	547,9	513	482	455	426	392	360	325	292	252	215	185	161
	36	579,7	556	533	494	465	435	400	367	328	296	260	227	195
	37	625	597	571	548	506	476	444	412	377	331	303	263	234
	38	666,7	645	615	588	556	526	488	455	417	385	336	296	267
	39	714,3	690	667	635	597	571	541	500	465	421	392	339	331
	40	754,7	727	690	667	645	606	580	548	513	471	430	396	342

PHYSICAL DATA (including accessories) - UNITARY

Overall length	2164 mm
Standard unit	1924 mm
Pump 1	240 mm
Overall width	2230 mm
Standard unit	2230 mm
Overall height	4255 mm
Standard unit	4255 mm
Shipping / operating weight	2460 / 3910 kg
Standard unit	2460 / 3910 kg
Heaviest section	1656 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

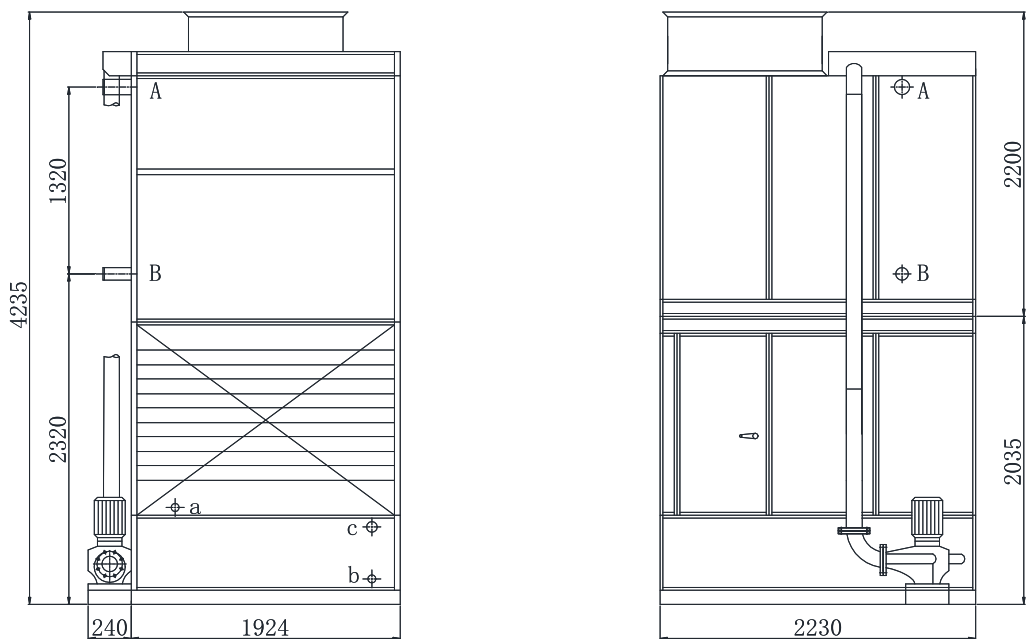
General

Fan motor BHP (Net mech output power at motor shaft)	(1 x) 5.5 kW
Fan motor voltage	415 V
Frequency	50 Hz
Protection class	IP56
Mounting	V1

Single speed

Fan motor power	(1 x) 5.5kW
Efficiency level fan motor	IE3
Fan full load current (Nominal Voltage)	(1 x) 13.1 A (415 V)
Fan synchron speed	730RPM

Spray pump motor power	(1x) 1.5 kW
Efficiency level pump motor	IE3
Spray pump motor voltage	415V
Frequency	50 Hz
Spray pump full load current	(1x) (3.16 A) 415V
Spray pump synchron speed	2895 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) 288.0 L
Evaporative coil surface	(1x) 59.5m²
Evaporative coil dry weight	(1x) 848.0 kg

AERODYNAMICAL DATA - UNITARY

Air flow (100% RPM/100% RPM)	(1x) 38000 / (1x) 38000m³/h
Number of fans	1
Fan type	Axial
Approximate Fan speed	730 RPM

REFRIGERANT DATA

Total pressure drop (@400.0 / 400.0)	2.6 / 2.6kPa
Standard unit	2.6 / 2.6 kPa
NH3-R717 charge	31.0 kg

HYDRAULICAL DATA - UNITARY

Spray water flow	(1x) 65 m³/h
Maximum evaporation	0.48 m³/h
Bleed (cycles of concentration 2.5)	0.32 / 0.32 m³/h
Make-Up (cycles of concentration 2.5)	0.80 / 0.80 m³/h
Pan volume operating	1.6m³
Pan volume overflow	1.9m³
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