

WXR-500B

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	434,8	394	357	314	279	235							
	31	480,8	446	410	368	329	287	243						
	32	526,3	490	455	417	373	336	294	248					
	33	574,7	543	505	467	431	388	345	301	254				
	34	625	581	556	521	481	439	394	352	307				
	35	684,9	641	602	568	532	490	450	407	365	314	269	231	201
	36	724,6	694	667	617	581	543	500	459	410	370	325	284	244
	37	781,3	746	714	685	633	595	556	515	472	413	379	329	292
	38	833,3	806	769	735	694	658	610	568	521	481	420	370	333
	39	892,9	862	833	794	746	714	676	625	581	526	490	424	413
	40	943,4	909	862	833	806	757	725	685	641	588	538	495	427

PHYSICAL DATA (including accessories) - UNITARY

Overall length	2548 mm
Standard unit	2308 mm
Pump 1	240 mm
Overall width	2230 mm
Standard unit	2230 mm
Overall height	4255 mm
Standard unit	4255 mm
Shipping / operating weight	2770 / 4520 kg
Standard unit	2770 / 4520 kg
Heaviest section	1875 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

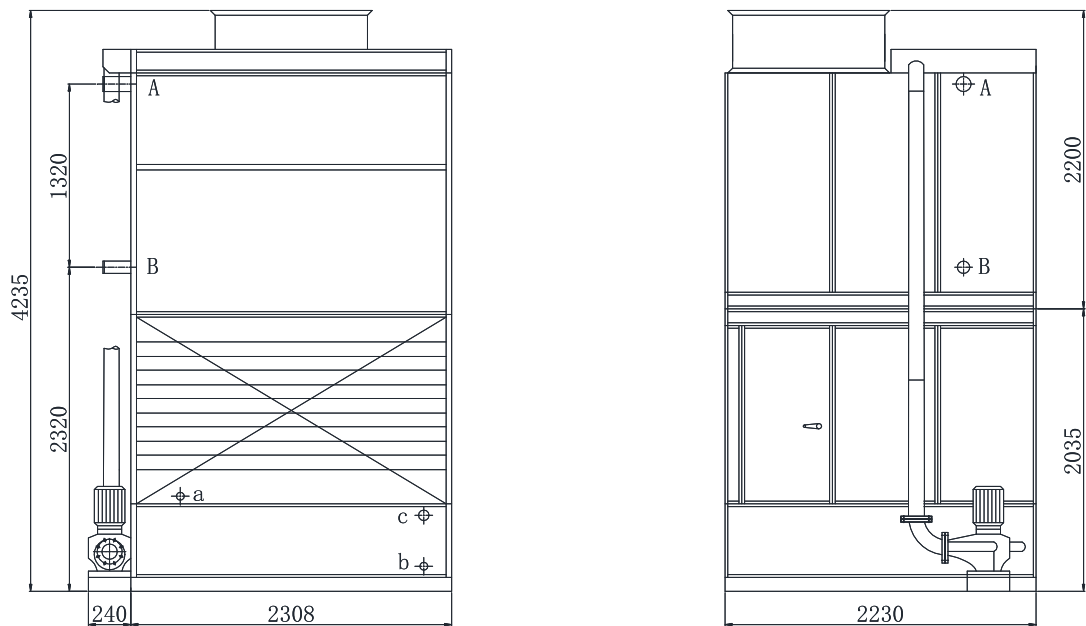
General

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 synchrone 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 synchrone 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) 350.9 L
Evaporative coil surface	(1x) 86.8m²
Evaporative coil dry weight	(1x) 1001.0 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 (@500.0 / 500.0)	4.2 / 4.2kPa
Standard unit	4.2 / 4.2 kPa
NH3-R717 charge	37.0 kg

HYDRAULICAL DATA - UNITARY

Spray water flow	(1x) 65 m³/h
Maximum evaporation	0.60 m³/h
Bleed (cycles of concentration 2.5)	0.40 / 0.40 m³/h
Make-Up (cycles of concentration 2.5)	1.00 / 1.00 m³/h
Pan volume operating	1.9m³
Pan volume overflow	2.3m³
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