



Name of chiller:	Plate-tube Direct Evaporative Water Cool Chiller		
Model:	WSCZ780CHA		
Performance:	Nominal Cooling Capacity	<i>kW</i>	780
	Ton of Refrigeration	<i>Ton</i>	222
	Nominal Input power (note 4)	<i>kW</i>	164
	System COP	<i>W/W</i>	4.76
	COP	<i>W/W</i>	5.26
Noise level	Within 1 meter	<i>dB</i>	83
	Within 10 meters	<i>dB</i>	73
Power:	Max operating current	<i>A</i>	378
	Power Supply		3 Ph/415 V /50Hz
Chiller:	Refrigerant		R134a
	Compressor type		Semi-closed screw compressor
	Capacity control		25%-100% Stepless capacity control
Evaporator:	Type		Shell & Tube
	Water flow	<i>m<sup>3</sup>/h</i>	134
	Internal diameter of water pipe	<i>mm</i>	DN200
	Water pressure drop	<i>kPa</i>	≤70
Condenser:	Type		Plate-tube direct evaporative
	Exhaust static pressure	<i>Pa</i>	10
	Water consumption	<i>m<sup>3</sup>/h</i>	1.56
	No. of fan		4
	No. of pump		2
Dimension:	Length	<i>mm</i>	6540
	Width	<i>mm</i>	2300
	Height	<i>mm</i>	3150
Weight:	Shipping	<i>kg</i>	11900
	Operating	<i>kg</i>	13300

#### **Notes:-**

1. Rated conditions for cooling operation:
  - (a) temperature of inlet/outlet chilled water: 12°C/7°C;
  - (b) Ambient dry/wet bulb temperature: 35°C/24°C
2. Temperature of supply cooling water is 30°C.
3. Supply cooling water pressure is 0.06~0.15 MPa.
4. Nominal Input power includes power consumption of compressors, cooling water pump and condenser fan
5. Chiller electric supply based on maximum load.
6. If the chiller is installed indoor, the indoor air flow should be less than 2.0 m/s.
7. If the local water hardness is higher than 400mg/L, water softener is required.
8. Minimum refrigerated operating environment temperature is 15°C, or lower on request.
9. Chiller water flow range is 50% - 130% of nominal chilled water flow in cooling mode.
10. Standard of chiller is GB/T18430.1 & JB/T12323-2015
11. 28°C wet bulb correction factor is 0.98
12. All above specifications are subject to change from to time without notice