



Name of chiller:	Plate-tube Direct Evaporative Cool Chiller		
Model:	WLSZ168CSG		
Performance:	Nominal Cooling Capacity	<i>kW</i>	168
	Ton of Refrigeration (TR)	<i>Ton</i>	48
	Nominal Input power (note 4)	<i>kW</i>	36.5
	System COP	<i>W/W</i>	4.60
	COP	<i>W/W</i>	5.02
Noise Level	Within 1 meter	<i>dB</i>	76
	Within 10 meters	<i>dB</i>	64
Power:	Max operating current	<i>A</i>	84
	Power Supply	<i>Ph/V/Hz</i>	3/415/50
Chiller:	Refrigerant		R410A
	Refrigerant system		2
	Number of compressors		2
	Compressor brand		Danfoss
Evaporator:	Compressor type		Full-Hermetic Scroll
	Type		Shell & Tube
	Water flow	<i>m<sup>3</sup>/h</i>	28.9
	Internal diameter of water pipe	<i>mm</i>	DN80
	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>	0.24
	No. of fan		1
	Fan input power	<i>kW</i>	1.5
	No. of pump		1
	Input power of pump	<i>kW</i>	1.5
Dimension:	Length	<i>mm</i>	2,300
	Width	<i>mm</i>	1,630
	Height	<i>mm</i>	3,150
Weight:	Shipping	<i>kg</i>	2,750
	Operating	<i>kg</i>	3,100

#### **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/26°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 base on maximum load.
6. If the chiller is installed indoor, the indoor air flow should be less than 2 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/T 18430.1 & 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