



Name of chiller:	Plate-tube Direct Evaporative Cool Chiller		
Model:	WLSZ540CHG		
Performance:	Nominal Cooling Capacity	<i>kW</i>	540
	Ton of Refrigeration (TR)	<i>Ton</i>	154
	Nominal Input power (note 4)	<i>kW</i>	115
	COP	<i>W/W</i>	5.2
Noise Level	Within 1 meter	<i>dB</i>	81
	Within 10 meters	<i>dB</i>	69
Power:	Max operating current	<i>A</i>	265
	Power Supply	<i>Ph/V/Hz</i>	3/380/50
Chiller:	Refrigerant	R410A	
	Refrigerant system	2	
	Number of compressors	4	
	Compressor brand	Danfoss	
Evaporator:	Compressor type	Full-Hermetic Scroll	
	Type	Shell & Tube	
	Water flow	<i>m³/h</i>	92.9
	Internal diameter of water pipe	<i>mm</i>	DN150
Condenser:	Water pressure drop	<i>kPa</i>	≤70
	Type	Plate-tube direct evaporative	
	Exhaust static pressure	<i>Pa</i>	10
	Water consumption	<i>m³/h</i>	0.76
	No. of fan	3	
	Fan input power	<i>kW</i>	9
	No. of pump	1	
	Input power of pump	<i>kW</i>	3.0
Dimension:	Length	<i>mm</i>	4,910
	Width	<i>mm</i>	2,300
	Height	<i>mm</i>	3,150
Weight:	Shipping	<i>kg</i>	8.900
	Operating	<i>kg</i>	9,900

#### **Notes:-**

- Rated conditions for cooling operation:
  - temperature of inlet/outlet chilled water: 12°C/7°C;
  - Ambient dry/wet bulb temperature: 35°C/24°C
- Temperature of supply cooling water is 30°C.
- Supply cooling water pressure is 0.06~0.15 Mpa.
- Nominal Input power includes power consumption of compressors, cooling water pump and condenser fan
- Chiller electric supply base on maximum load.
- If the chiller is installed indoor, the indoor air flow should be less than 2 m/s.
- If the local water hardness is higher than 400mg/L, water softener is required.
- Minimum refrigerated operating environment temperature is 15°C, or lower on request.
- Chiller water flow range is 50% - 130% of nominal chilled water flow in cooling mode.
- Standard of chiller is GB/T 18430.1 JB/T12323-2015
- 28 °C wet bulb correction factor is 0.98
- All above specifications are subject to change from to time without notice