



| | | | |
|------------------|--|------------------------|-------------------------------|
| Name of chiller: | Plate-tube Direct Evaporative Cool Chiller | | |
| Model: | WLSZ520CSG | | |
| Performance: | Nominal Cooling Capacity | <i>kW</i> | 520 |
| | Ton of Refrigeration (TR) | <i>Ton</i> | 148 |
| | Nominal Input power (note 4) | <i>kW</i> | 119 |
| | System COP | <i>W/W</i> | 4.37 |
| | COP | <i>W/W</i> | 4.90 |
| Noise Level | Within 1 meter | <i>dB</i> | 81 |
| | Within 10 meters | <i>dB</i> | 69 |
| Power: | Max operating current | <i>A</i> | 274 |
| | Power Supply | <i>Ph/V/Hz</i> | 3/415/50 |
| 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> | 89.40 |
| | Internal diameter of water pipe | <i>mm</i> | DN125 |
| 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> | 0.73 |
| | No. of fan | | 2 |
| | Fan input power | <i>kW</i> | 6 |
| | No. of pump | | 1 |
| Dimension: | Input power of pump | <i>kW</i> | 2.2 |
| | Length | <i>mm</i> | 3380 |
| | Width | <i>mm</i> | 2,300 |
| Weight: | Height | <i>mm</i> | 3,150 |
| | Shipping | <i>kg</i> | 6,000 |
| | Operating | <i>kg</i> | 6,600 |

Notes:-

- Rated conditions for cooling operation:
 - temperature of inlet/outlet chilled water: 12°C/7°C;
 - Ambient dry/wet bulb temperature: 35°C/26°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