

HL-12000

HANLI 12000W Industrial Water Chiller

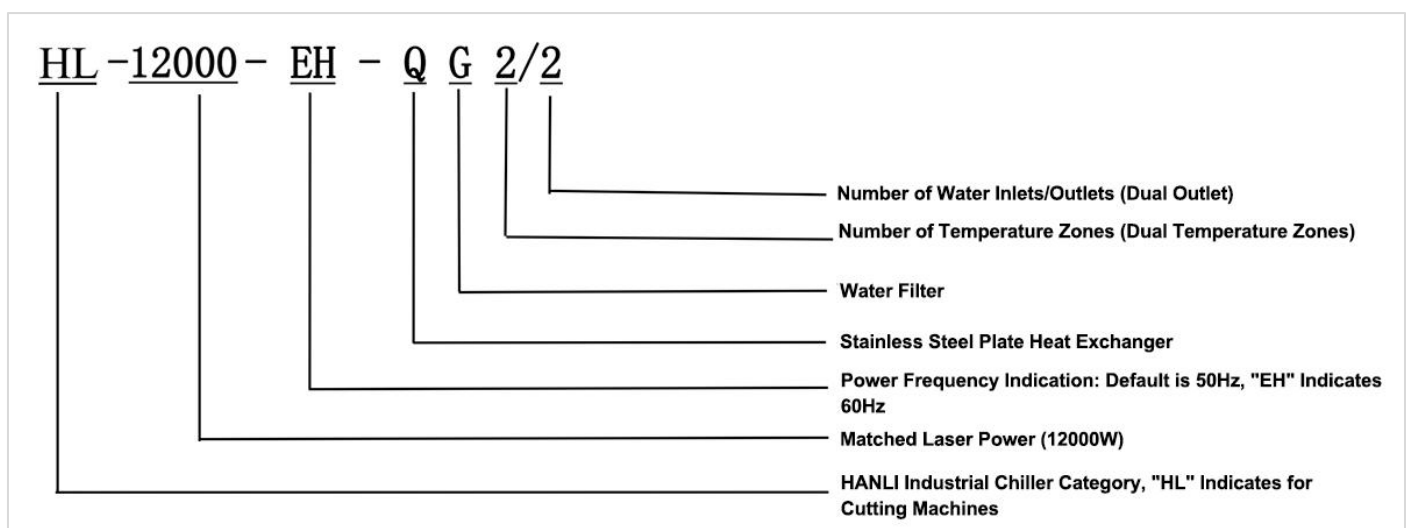
Data Sheet V1.0

The HANLI HanLi-12000 Industrial Water Chiller is a high-performance cooling solution designed for 12000W laser cutting machines. During operation, laser cutting generates significant heat, which can affect precision, damage components, and pose safety risks if not managed. The HanLi-12000 efficiently absorbs and dissipates this heat, maintaining stable operating temperatures, improving cut quality, and extending the machine's lifespan.



Renowned for its reliability and durability, the HanLi-12000 delivers consistent performance under heavy workloads. It reduces overheating-related failures, prevents inconsistent cuts, and lowers maintenance costs. As a critical cooling system for laser cutting, it enhances productivity and ensures operational safety, making it indispensable for industrial applications.

Model Descriptions



Technical Parameters

| NO. | Model | Unit | Parameter | |
|-----|---|-------------------|-----------------------------|-------------------|
| 1 | Type | | HL-12000-QG2/2 | HL-12000-EH-QG2/2 |
| 2 | Power system | | 380V/AC±10% 50Hz | 380V/AC±10% 60Hz |
| 3 | Power rating | kW | 18.0 | |
| 4 | Maximum current | A | 26.5 | |
| 5 | Nominal horse-power | HP | 10 | 8 |
| 6 | Compressor power | kW | 6.77 | 6.03 |
| 7 | Electric heating power | kW | 1.6+1.4 | |
| 8 | Pumping power | kW | 2.2 | 3.0 |
| 9 | Fan power | kW | 0.95 | 1.1 |
| 10 | The maximum air volume of the fan | m ³ /h | 11810 | 11430 |
| 11 | Rated flow rate at the low-temperature end | L/min | 120~132 | |
| 12 | Rated pressure at the low-temperature end | bar | 4.0 | |
| 13 | Maximum pressure at the low-temperature end | bar | 7.0 | |
| 14 | Low-temperature end interface size | | G1- Φ 32mm Pagoda Joint | |
| 15 | The water temperature range at the low-temperature end | °C | 21~32 | |
| 16 | Rated flow rate at the high-temperature end | L/min | 3.0 | |
| 17 | Rated pressure at the high-temperature end | bar | 4.0 | |
| 18 | High-temperature end interface size | | G1 / 2- Φ 13mm Pagoda Joint | |
| 19 | The water temperature range at the high-temperature end | °C | 26-35 | |

| | | | |
|----|------------------------------------|---|--------------------|
| 20 | Water temperature control accuracy | °C | ±1 |
| 21 | Water tank volume | L | 77 |
| 22 | Ambient temperature | °C | 5-40 |
| 23 | Refrigerant | | R32 |
| 24 | Equipment appearance color | | Orange grain white |
| 25 | Equipment operation noise | dB(A) | ≈78 |
| 26 | Net weight | kg | 150 |
| 27 | Machine size | mm | 760×880×1065 |
| 28 | Rough weight | kg | 165 |
| 29 | Packing measurement | mm | 810×920×1240 |
| 30 | Suitable cooling medium | Purified water; ethylene glycol solution with a concentration of ≤30% | |

Product Appearance

