



產業機械專用高精度變頻式水冷卻機

HIGH PRECISION INVERTER WATER CHILLER FOR MACHINE PROCESSING EQUIPMENT

CWID SERIES



GOLDEN PIN
DESIGN MARK
金點設計標

適用機械種類

- CNC高精度磨床
- 龍門五軸加工中心機
- CNC五面綜合加工中心機
- CNC綜合立、臥式加工中心機(高速主軸用)
- 各種高精度溫控需求之產業設備
- 各種光電、半導體及太陽能產業設備製程中的冷卻

特性及功能

- 全系列採用變頻式壓縮機，擁有平滑式啟動，無瞬間大啟動電流特性，可節省耗電達33%以上。
- 獨家設計多功能液晶面板及控制基板，提供 $\pm 0.1^{\circ}\text{C}$ 溫控穩定性。
- 十五項故障保護功能，全方位確保冷卻機正常功能。
- 低發熱負載時，冷卻機低負荷運轉，兼具精準溫控及節能效益。
- 凹槽式嵌入面板設計，可降低粉塵、水氣滲透入電氣控制單元。
- 採用高效率熱交換器，提升冷卻效率。
- 採用新型高效率環保冷媒，不污染環境。
- 整機高達95%以上材料可回收，兼固環保。

APPLICATION

- CNC high-precision grinding machine
- Double column 5-axis machine center
- CNC machine center (5-axis)
- CNC vertical & horizontal machine center(For High-Speed spindle)
- Industries with high precision requirement
- Optoelectronics, semiconductor and solar energy industries

FEATURE

- Full series of inverter compressors are smooth start. There is no-start instantaneous high current and saving power more than 33%.
- Unique design of multi-function LCD panel and control PCB and it's provided $\pm 0.1^{\circ}\text{C}$ temperature control stabilization.
- There are 15 malfunction protection functions to ensure which is normal function operation of cooler.
- When low heating load is happened, and cooler is operation low load. It is combined accurate temperature control and energy saving.
- Groove type recessed panel design for reducing dust and vapor infiltration into electrical control units.
- Using high-efficiency heat exchanger to enhance cooling efficiency.
- Using high-efficiency environmental refrigerant and without pollution.
- Up-to 95% materials of machine are recyclable and eco-friendly.

規格表 CWID SERIES SPECIFICATION

型式 Model		CWID-04	CWID-08	CWID-12	CWID-24	CWI-36
冷卻能力Cooling capacity	BTU/HR 50/60Hz	3200 / 4000	6400/8000	9600/12000	19200/24000	28800/36000
	KCAL/HR 50/60Hz	800 / 1000	1600/2000	2400/3000	4800/6000	7200/9000
	W 50/60Hz	940 / 1175	1875/2345	2815/3520	5630/7040	8445/10555
使用範圍 Operative range	室溫 Room temperature	5°C~45°C				
	液溫 Liquid temperature	5°C~45°C				
設定範圍 Setting range	差溫控制 Differential temperature controller	-9.9 °C ~ 9.9°C				
	定溫控制 Constant temperature controller	20°C~40°C				
電源 Power source	V	3Ø AC220V 50/60Hz				
總負荷電流 Total load current	A	6	11	19	20	25
泵浦馬力 Pump horsepower	W	450/560	450/560	450/560	530/750	700/1060
泵浦吐量 Pump discharge rate	l/min	16/20	16/20	16/20	24/30	40/50
水箱 Water tank	liter	20	30	45	45	95
進出口管徑 Inlet and outlet pipe-diameter	inch	1/2" x 1/2"	3/4" x 3/4"	1" x 1"	1" x 1"	1"x1"
外型尺寸 Dimension (D x W x H)	mm	487x650x1092	487x650x1092	487x778x1389	487x778x1389	736x767x1552
總重量 Weight	kg	65	102	127	168	212
冷媒 Refrigerant	gas	R410A				

* 能力測試數據標準點(進口溫度25°C、環境溫度35°C、60HZ)(參考值)

* 特殊規格設計及其他電壓需求請與我司聯絡

* 本公司因技術需求或升級有隨時更改內容、文字、產品規格之權利，變更恕不另行通知

* Standards of capability test data: Inlet temperature: 25°C, Ambient temperature: 35°C, 60HZ. (F.Y.R)

* If you have special specifications or need of other Voltage, please contact us.

* If our company has technical or upgrade requirements, we reserve right to change contents, words, and product specifications without further notice.