



**YANN BANG**

**冷凍機  
INDUSTRIAL  
CHILLER**



ISO 9001:2008 品質保證  
An ISO 9001:2008  
Certified Company

**晏邦電機工業有限公司 YANN BANG ELECTRICAL MACHINERY CO., LTD.**





# YANN BANG

晏邦冷凍機提供風冷式與水冷式系列。廣泛應用於塑膠、橡膠、電子製造、醫療化工、超音波冷卻、印刷等工業生產，能精確地控制業界生產所需要溫度的要求，大幅提高生產效率與產品品質。操作簡單、維護容易、獨特設計安裝多項安全保護裝置。系列改版為環保型冷媒，並採用板式蒸發器，製冷效果更佳，耐用白鐵材質，且體積縮小，大幅優化您的廠房空間。

YANN BANG provide both air chillers and water chillers. Suits to various industries such as plastic, rubber, electronic, medical, chemical, supersonic wave cooling, printing and more. A chiller can accurately control the specific temperature for your demand and increase the efficiency and product quality. Simple operation and easy maintenance. Unique design with various well-thought safety protections. New chiller series use environmentally-friendly refrigerant and stainless plate-type evaporator for better cooling and smaller size to save your working place.

## 水冷式冷凍機



### 特點

1. 新歐、美、日進口壓縮機，有單機及雙機組合，可單獨或共同使用。
2. 採高品質板式冷凝器與蒸發器，不易生鏽，體積小、不佔空間。
3. 完善的完保護裝置、故障指示系統及液晶數字冰水溫度顯示，能確保機械使用壽命。

## WATER CHILLER

### 適用機械

- 油溫、超音波、高週波機械冷卻
- 射出成型模具冷卻
- 橡膠成型冷卻
- 塑膠中空成型冷卻
- 塑膠押出成型冷卻

### Applied Machinery

- Cooling system of oil temperature, ultrasonic, high frequency machine.
- Cooling system of injection molding machine.
- Cooling system of blow molding machine.
- Cooling system of extrusion molding machine.
- Cooling system of rubber products.

### Features

1. Use the latest European, American or Japanese compressor, available in single and double compressors. The compressors of the double-compressor model can either run alone or together.
2. Use high-quality plate-type condenser and evaporator, stainless for durability and smaller size to save your space.
3. Well-designed safety protection. It is also equipped with a digital temperature display indicator and abnormal warning indicators for the long lasting.

## 風冷式冷凍機



### 特點

1. 適用於環境溫度 43°C 以下。
2. 系列機種採用歐、美、日進口之高性能壓縮機，搭配高效率板式蒸發器，將能源效率EER大幅提高。
3. 液晶溫度顯示，微電腦溫控及故障指示迴路等安全裝置。
4. 鱗片式冷排傳熱效果佳、散熱迅速、清洗方便，外加裝過濾網保護，杜絕髒空氣，確保高效率運轉。

## AIR CHILLER

### 適用機械

- 油溫、超音波、高週波機械冷卻
- 射出成型模具冷卻
- 塑膠中空成型冷卻
- 塑膠押出成型冷卻

### Applied Machinery

- Cooling system of oil temperature, ultrasonic, high frequency machine.
- Cooling system of injection molding machine.
- Cooling system of blow molding machine.
- Cooling system of extrusion molding machine.

### Features

1. Suit for environment temperature below 43 °C
2. Adapt high-performance compressors imported from Europe, America and Japan of all range models. Work with high efficiency of plate-type cooler to significantly improve energy save of EER.
3. LCD temperature display by digital temperature controller and error indicator and more safety protecting devices.
4. Fin evaporator with filter avoid dust and improve operating efficiently. Cooling faster and better and easy maintenance.



## 水冷式冷凍機規格表 Specification of Water Chiller

機型	Model	標準型 恆溫型	Standard Constant	YBWP-030G YCWP-030G	YBWP-050G YCWP-050G	YBWP-075G YCWP-075G	YBWP-100G YCWP-100G	YBWP-150G YCWP-150G	YBWP-200G YCWP-200G	YBWP-250G YCWP-250G	YBWP-300G YCWP-300G
溫控範圍	Temperature Range	°C		5~30							
電源	Power	V		3Φ / 220V~440V / 50Hz/60Hz							
最大電力	Max. Power	kw	2.63	4.5	7.12	9	13.5	17.3	20.3	26.3	
壓縮機馬力	Compressor Horsepower	hp	3	5	7.5	10	7.5×2	10×2	12.5×2	15×2	
冷凍能力 (60Hz)	Freezing Energy (60Hz)	kcal/h	9072	15120	22680	30240	45360	60480	75600	90720	
		btu/h	36000	60000	90000	120000	180000	240000	300000	360000	
冷凍能力 (50Hz)	Freezing Energy (50Hz)	kcal/h	7560	12600	18900	25200	37800	50400	63000	75600	
		btu/h	30000	50000	75000	100000	150000	200000	250000	300000	
泵浦馬力	Pump Horsepower	hp	1/2	1	2	2	3	3	3	5	
泵浦流量	Pump Flow	l/min	95	120	250	250	360	360	360	560	
泵浦壓力	Pump Pressure	kg/cm <sup>2</sup>					1.5~2				
膨脹水箱	Dilatation Water Tank	liter	80	80	130	130	260	260	380	380	
配管 冰水 冷凝水	Piping Chilled Water Cooling Water	Inch	1	1	1½	1½	2	2	2½	3	
			1	1	1½	1½	2	2	2½	3	
冷媒容量	Quantity of Refrigerant	kg	1.5	2.5	3.8	5	8.5	10	14	17	
機械尺寸	Dimension (L×W×H)	cm	75×70×116			100×85×126		130×100×146		175×100×155	
機械重量	Approx. Weight	kg	180	230	350	420	520	650	700	800	

## 風冷式冷凍機規格表 Specification of Air Chiller

機型	Model	標準型 恆溫型	Standard Constant	YBAP-030G YCAP-030G	YBAP-050G YCAP-050G	YBAP-075G YCAP-075G	YBAP-100G YCAP-100G	YBAP-150G YCAP-150G	YBAP-200G YCAP-200G	YBAP-250G YCAP-250G	YBAP-300G YCAP-300G
溫控範圍	Temperature Range	°C		5~30							
電源	Power	V		3Φ / 220V~440V / 50Hz/60Hz							
最大電力	Max. Power	kw	2.88	4.75	7.63	10.13	14.63	18.38	24.19	27.94	
壓縮機馬力	Compressor Horsepower	hp	3	5	7.5	10	15	10×2	12.5×2	15×2	
冷凍能力 (60Hz)	Freezing Energy (60Hz)	kcal/h	9072	15120	22680	30240	45360	60480	75600	90720	
		btu/h	36000	60000	90000	120000	180000	240000	300000	360000	
冷凍能力 (50Hz)	Freezing Energy (50Hz)	kcal/h	7560	12600	18900	25200	37800	50400	63000	75600	
		btu/h	30000	50000	75000	100000	150000	200000	250000	300000	
風扇馬力	Fan Horsepower	hp	1/3	1/3	1/2×2	1/2×2	1/2×2	1×2	1×2	1×2	
泵浦馬力	Pump Horsepower	hp	1/2	1	2	2	3	3	3	5	
泵浦流量	Pump Flow	l/min	95	120	250	250	360	360	360	560	
泵浦壓力	Pump Pressure	kg/cm <sup>2</sup>					1.5~2				
膨脹水箱	Dilatation Water Tank	liter	80	80	130	130	260	260	300	300	
冷凍水配管	Piping:Chilled Water	inch	1	1	1½	1½	2	2	2½	3	
冷媒容量	Quantity of Refrigerant	kg	2.7	4.3	7	8	13	18	22	26	
機械尺寸	Dimension (L×W×H)	cm	90×88×160			150×76×140		180×85×160	200×95×160	220×95×168	
機械重量	Approx. Weight	kg	220	260	360	420	570	770	840	940	

### 標準配備 Standard Accessories :

1. 環保冷媒 R-407C 規格。Standard use environmentally-friendly refrigerant R-407C.
2. 低壓泵浦，可選配為高壓泵浦。Standard with low pressure pump, optional choice of high-pressure pump.
3. 冰水進出水口為一進一出，可依需求更換水流分佈與口徑。Cooling water flowing by inlet and outlet per one, allow customer demand to change flowing inlet & outlet quantity and diameter.
4. 安口保護裝置 Security Protecting Device  
馬達逆向保護裝置 / 馬達過載保護裝置 / 壓縮機超載保護 / 冷媒高壓保護 / 冷媒低壓保護 / 冷媒高壓錶 / 冷媒低壓錶 / 冰水壓力錶 / 防凍保護 / 入風口過濾網  
Motor reverse protector / Motor overload protector / Compressor overload protector / Refrigerant high & low pressure protector / Refrigerant high & low pressure protection gauger / Cooling water pressure gauger / Anti-freeze protection / Inlet filter

### 備註Remarks :

1. 冷凍能力以外氣濕球溫度(N.B.)25°C，冰水溫度為7°C為冷凍條件。The environment temp. in 25°C as refrigerating apacity and 7°C as cooling temp. are the cooling requirement.
2. 25HP以上機型，建議將膨脹水箱加大及泵浦外置，可設計成“中央冰水系統”。Suggest enlarge the Dilatation Water Tank and locate it outdoor as a central cooling system when you choose above 25HP models.
3. 產品規格若有變更，恕不另行通知。We reserve the right to change specifications without prior notice.





## 恆溫型水冷式冷凍機 Constant Water Chiller

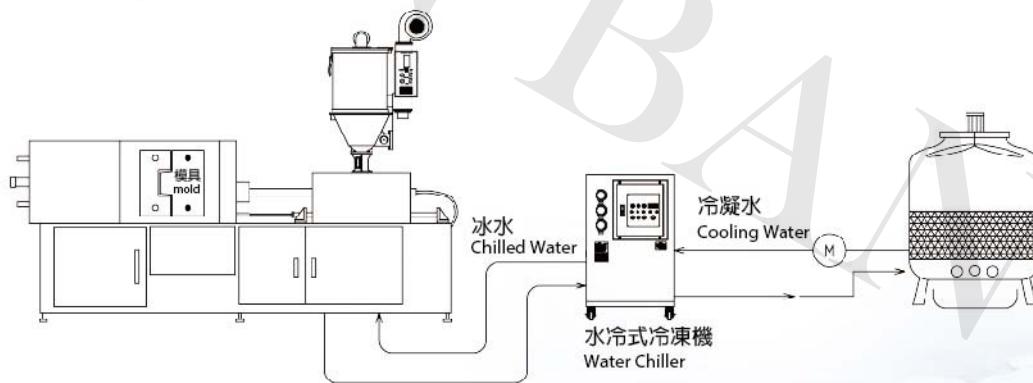
擺脫傳統冷凍機溫度上上下下的困擾，晏邦新款恆溫型水冷式冷凍機提供穩定的溫度控制，讓您的塑料特性不因溫度失準而降低功能，產品品質加分、良率提昇且節能省電。

1. 模具冷卻溫度能控制在設定值 $\pm 1^{\circ}\text{C}$ 內，產品品質有保障且能降低不良率。
2. 恆溫設計能節能省源並延長機器壽命。
3. 高效能冷凝器不但具有高熱傳導作用，體積縮小35%更輕巧。
4. 採進口環保壓縮機效率高，大馬力機型採雙機組合，雙製冷系統可在其一故障時還能持續運轉，不需立即停工，維持生產線順暢。
5. P.I.D. 智慧型自動演算功能、故障指示系統、液晶數字冰水溫度顯示及多種完善的保護裝置，讓生產條件設定操作簡單化、異常狀況明朗化，生產效率更加提昇。



Different to traditional water chillers with unstable temperature degree and unreliable compressor troubles, YANN BANG's new product-Constant Water Chiller (YCW series) as a high-quality water chiller can be set by your required degree precisely and keep it steadily. The advantages ensure your product in high quality and improve process capability. Also save more power energy for you!

1. Mold's cooling temperature controlling setting within  $\pm 1^{\circ}\text{C}$  to ensure high-quality products and increase high performance.
2. By unique constant design, YCW save more energy and extend machine life.
3. Equipped with high-efficiency condenser able to work in high heat conduction and reduce 35% of unit size for space save.
4. Use imported well-known compressor. Large models adopt dual compressors with dual cooling system that work independently. When one breaks down, the system will keep working and keeps production line smoothly.
5. Use P.I.D. temperature controller, error indicators, digital display controller and more safety protection devices. User-friendly setting and smart error report for your productive more efficient.



## 冷卻水塔 COOLING TOWER

- 配備有抽水泵浦（選購配備）
- 獨特功能設計、散熱效果絕佳
- 防腐蝕、防生鏽、美觀耐用
- Optional water pump.
- Unique design and outstanding heat-exhausting effect.
- Rust prevention.



## 多功能型模具冰溫機 Multi Mold Temperature Controller

### 冷凍機 + 模具控溫機 = 多功能型模具冰溫機

為業界首創冷凍機與模具控溫機二合一的單機，可同時處理模具冷卻與模具加熱之不同需求。打破以往市面上只能冷卻或加熱擇一使用的傳統模式，只需花費一台的價格同時獲得兩台的功能，大幅降低成本與節省空間。

### Heat Up & Cool Down Your Mold Without Waiting!

"MULTI MOLD TEMPERATURE CONTROLLER"(YMW) from YANN BANG combines a chiller and a mold temperature controller to one. No need to wait or switch either your chiller or your mold temperature controller to cool down or heat up the required temperature. YANN BANG' s YMW series is different to other generic chillers or mold temperature controllers which can supply cooling water and hot water for your mold at the same time in steady and good condition. Save your energy cost and space.



- 特點**
1. 快速降溫。將水冷式模溫機原來35°C的溫水快速降至10°C。
  2. 採用全新歐、美、日進口壓縮機與泵浦。
  3. 高效能冷凝器具有高熱傳導作用，有效節省能源25%
  4. 高穩定性，減少試模次數與降低不良率，確保產品品質。
  5. 迅速達到所需的溫度且穩定保持，減少模具預熱時間，加速模具冷卻時間。
  6. 完善的安全保護裝置，能確保機械使用壽命。
  7. 省空間與費用。同時供應冰水與熱水

### Features

1. Cool down quickly from 35°C to 10°C in minutes.
2. Use the latest European, American or Japanese compressor and pump.
3. High-efficient transmission function can save up to 25% of energy.
4. Excellent stability.
5. Save time to preheat or cool down your mold's temperature degree.
6. Completed safety protecting devices to lengthen the machine life time.
7. Save space and cost. Supply cooling water and hot water at the same time by the 2-in-1 unique design.

### 高階冰溫機

#### Advanced Design 180°C

功能更提昇、體積更縮小，熱水溫度可達180°C，應用範圍更廣

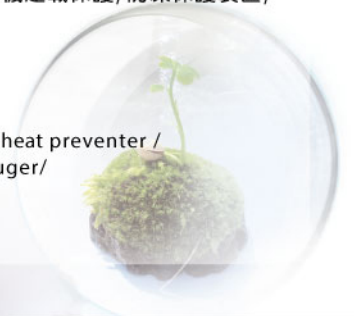
Upgrade functions in compact size, maximum degree up to 180°C for more applications.

### 規格表 Specification

機型	Model		YMW-030	YMW-050	YMW-075	YMW-100	YMW-030I	YMW-050I
溫度範圍	Temperature Range	°C		10~95			180	
加熱能量	Heater Energy	kw	6	8	8x2	10x2	6	7
泵浦馬力 (熱水/冰水)	Pump Horsepower (Hot/Cooling Water)	hp	0.5	1	2	3	0.67/0.5	1.5/1
		kw	0.37	0.75	1.5	2.2	0.5/0.37	1.1/0.75
泵浦壓力 (熱水/冰水)	Pump Pressure (Hot/Cooling Water)	kg/cm <sup>2</sup>	2	2	2	2	2	2
熱水泵浦流量	Hot Water Pump Flow	ℓ/min	40	80	160	180	32	65
熱水口徑	Hot Water Inlet	inch	3/4"	1 1/4"	1 1/2"	1 1/2"	3/4"	1"
冰水泵浦流量	Cool Water Pump Flow	ℓ/min	95	120	250	250	95	120
冷水配置口徑	Cooling Water Piping	inch	1	1	1 1/2	1 1/2	1"	1"
壓縮機馬力	Compressor Horsepower	hp	3	5	7.5	10	3	5
冷凍能量	Cooling Capacity	btu/h	40000	61200	94700	125000	40000	61200
膨脹水箱	Dilatation Water Tank	liter	80	80	130	130	80	80
最大電力	Max. Energy	kw	9	13.2	24.5	31.8	9.1	12.55
機械尺寸	Dimension (L×W×H)	cm	110×70×106	110×70×106	113×85×116	113×85×116	90×70×127	90×70×127
機械重量	Approx. Weight	kg	250	300	450	550	280	320

- 備註:**
1. 安全保護裝置:馬達逆向保護裝置/馬達過載保護裝置/馬達欠相保護裝置/超溫保護裝置/壓縮機超載保護/防凍保護裝置/冷煤高壓/低壓保護裝置/冰水壓力錶
  2. 產品規格若有變更，恕不另行通知。

- Remarks:**
1. Security Protecting Device:  
Motor reverse protector / Motor overload protector / Motor phase shortage protector / Overheat preventer / Compressor overload protector / Frost prevention protector / Refrigerant high pressure gauger / Refrigerant low pressure gauger / Cooling water pressure gauger
  2. We reverse the right to change specifications without prior notice.





空氣濕度過高會導致模具表面結露，造成成品表面有水滴痕跡等問題。使用除露機可穩定地控制模具周圍的空氣濕度，確保您的成品品質。透過除露機產生乾燥冷空氣，以降低模具表面結露現象，讓模具室內充滿乾燥空氣，使模具在冷卻時不易產生結露水滴。

Too high humidity in air may affect the quality of your mold surface because of the condensation forming on the molded surface. An industrial air conditioner is perfect working with preform injection molding machine. The dry air from the industrial air conditioner reduces the condensation while the mold is cooling. That accurately controls the humid around the mold to ensure your product in good quality.

## 特點

1. PID 溫度控制系統 (微電腦型)。
2. 故障自動顯示功能 (微電腦型)。
3. 馬達超載及逆相防止功能。
4. 除露機出風口溫度可依操作環境的需要而調整。
5. 特殊排水設計，完全導出露水。

## Features

1. PID temperature controller system (IC control panel).
2. Abnormal warning display (IC control panel).
3. Motor overloading & phase-reversing protection.
4. The through-out air temperature from the air conditioner can be adjusted.
5. Special water-exhausting design.



## 規格表 Specification

機型	Model		AC-3 AC-3G	AC-5 AC-5G	AC-8 AC-8G	AC-10 AC-10G	AC-15 AC-15G
額定電力	Rated Power	kw	5.1	6.9	15.9	17.4	19.2
電熱	Heater	kw	2.1	2.4	8.4	8.4	9
壓縮機馬力	Compressor Horsepower	hp	3	5	8	10	15
風車馬力	Fan Horsepower	hp	1/2	1/2	1	1	1
泵浦馬力	Pump Horsepower	hp	1/2	1/2	1	1	2
冷凍能量	Cooling Capacity	kcal/h	9070	14600	26700	29900	45170
露點濕度	Dew Point Temperature	°C	12~15	10~13	10~13	7~10	7~10
濕球溫度	Wet Bulb Temperature	°C	17~19	16~18	16~18	15~18	15~18
相對濕度	Relative Humidity	%	35~50	30~45	30~45	25~45	25~45
出風口徑	Air Outlet Port	inch	6	6	8	8	8
回風口徑	Air Return Port	inch	12	12	12	12	12
冷凝水量	Condensed Water Flow	l/min	80	120	160	200	230
冷凝管徑	Cold Water Pipe	inch	1	1 1/2	2	2	2 1/2
排水管徑	Drainage Pipe	inch	1	1	1	1	1
風量	Air Volume	m <sup>3</sup> /min	-	35	58	58	78
冷媒	Refrigerant				R22 R407C		
重量	Approx. Weight	kg	280	350	450	550	650
機械尺寸	Dimension (LxWxH)	cm	96x90x156		190x95x168		210x95x168

備註：1. 冷媒採用R-22規格；環保冷媒採用R407C，機型加 [G]。  
2. 產品規格若有變更，恕不另行通知。

Remarks: 1. Use R-22 refrigerant. Model with [G] series use environmental-friendly refrigerant gas R407C.  
2. We reserve the right to change specifications without prior notice.



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**台灣塑橡膠週邊設備領導品牌**

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