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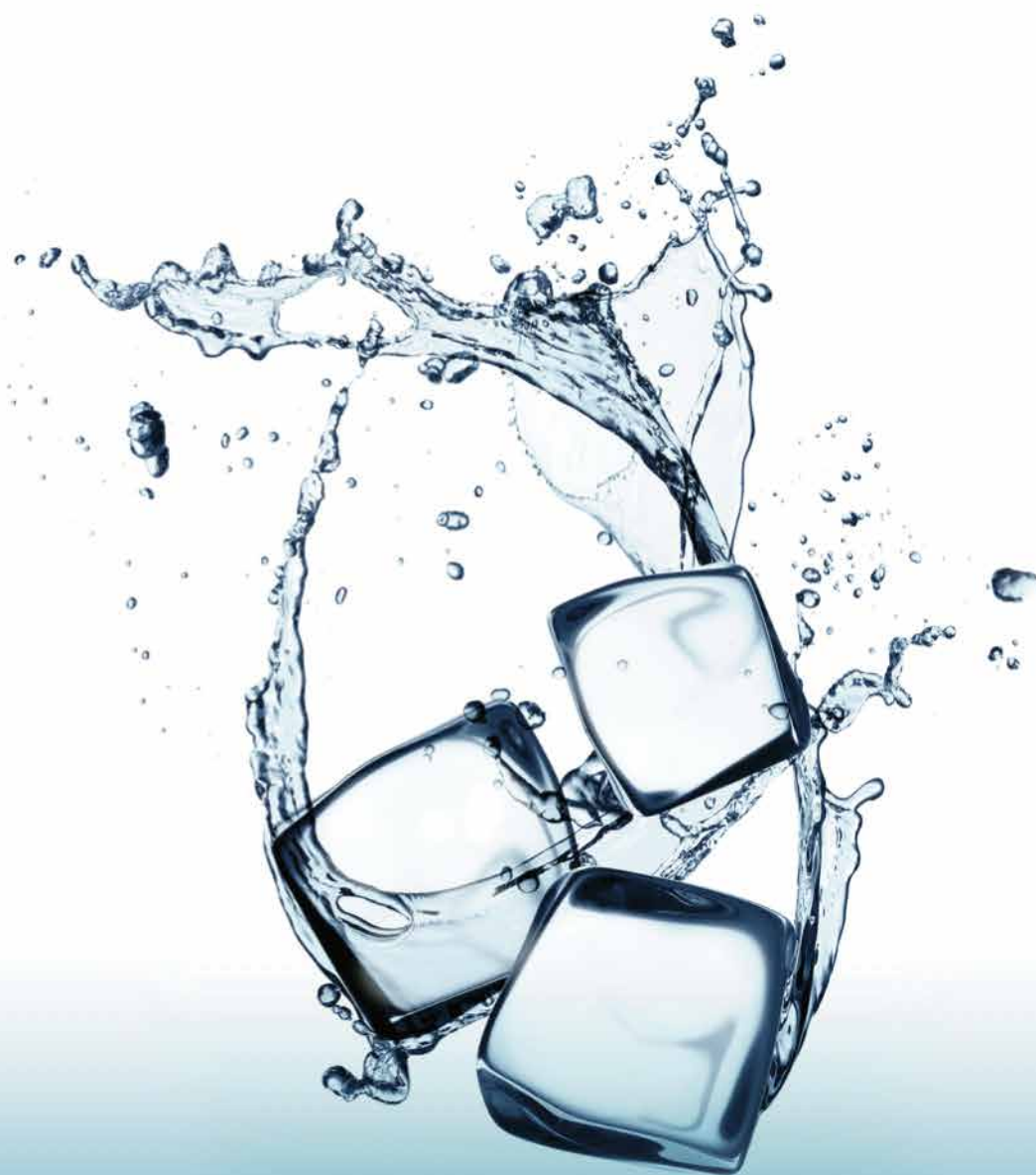


# ***POWERCOOL***

## Product Catalog

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Cooling System  
Water -Chiller





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# “ POWER COOL ”

Powercool is always considering **Human** being  
Powercool is thinking **Future**.

Powercool is Pursued the **Technology**

파워쿨은 **인간**을 존중합니다.

파워쿨은 **미래**를 생각합니다.

파워쿨은 **신기술**을 추구합니다.



# CONTENTS

Company of Introduction	4
<b><i>POWERCOOL</i></b>	
<b>STANDARD</b>	
Air cooled - Unit Type PCA Series	6
Air cooled - Separate Type PCS Series	8
Water cooled PCW Series	10
<b>SPECIAL</b>	
Chillers for Analysis	12
Chillers for Laser Cutting	14
Chiller for Food Molding	16
<b>AIR COOLER</b>	
Air Conditioning Cooler	18
Small Type of Chiller	19



# Company of Introduction

파워쿨은 전문성을 축적된 기술력을 바탕으로 쿨링시스템 분야를 선도해 왔으며, 품질향상, 기술개발 및 국제경쟁력 강화를 위한 확고한 목표와 전략으로 미래지향적인 기업이 되기 위해 노력하고 있습니다.

철저한 생산 공정과 사후관리를 통해 '최고의 제품, 최선의 서비스'로 고객을 감동시키고 새로운 기술의 리더가 되는 비전을 가지고 더욱 더 연구, 개발에 힘쓰겠습니다.

**POWERCOOL**

POWERCOOL has been leading the cool system industries based on it's expertise and accumulated technology, and trying to become a future-oriented company with the firmly established goal and strategies to improving quality, developing technology, and strengthening international competitiveness. With the thorough production process and follow - up service, we will do our utmost in research and development in order to Satisfy customers under the slogan of "the best products, the best service," and fulfill the vision of becoming a new leader of technology.

산업기기용  
For industrial  
equipment

측정용 및 시험용  
For measuring  
and experiment  
equipment

식품 가공용  
For experiment  
and processing



# Power Cool



- 고성능, 저소음의 콤프레서가 내장되어 탁월한 냉각 기능을 발휘합니다.
- 자체 개발된 열교환기가 내장되어 냉각 효율이 높습니다.
- 소음과 진동이 적은 순환용 Heat Pump를 장착하여 수명연장과 기능의 신뢰성을 실현합니다.
- 에이콘 P.B소재와 원터치휘팅을 사용한 배관은 내부식성과 내열성이 강합니다.
- 운전 상태를 한 눈에 확인할 수 있는 제어판 장착으로 사용이 편리합니다.
- 디지털 온도조절기(PCB)사용으로 정확한 온도 유지와 사용 온도 범위를 폭넓게 조정할 수 있습니다.
- Compact한 설계로 공간이용 효율이 높습니다.
- 특수 분체도장과 세련된 실크 인쇄로 외관 디자인이 고급스럽습니다.
- 철저한 시운전 테스트를 통해 안정성을 추구합니다.
- 부품 수급이 용이하여 신속한 A/S를 제공합니다.

- Excellent cooling function of the embedded compressor of high - performance and low noise
- High cooling efficiency of the embedded heat - exchanger that the company developed itself.
- Circulating Heat Pump of low noise and vibration that realizes lifespan extension and functional reliability.
- Corrosion/heat resistant pipes in which air conditioner P.B material and one - touch fitting are used.
- Convenient Control Panel through which the operation state can be checked.
- Digital Temperature Controller (PCB) through which the temperature maintains at a certain level and a wide range of temperature can be abjusted.
- Compact design that enables highly efficient special use.
- Special powder coating and sophisticated silk printing method that realize high - class appearance.
- Secured safety through the thorough test - drive procedure.
- Convenient parts supply and prompt customer service.





# WATER CHILLER

## Standard Chiller

POWER COOL 공냉식 일체형 PCA Series Series  
Air cooled - Unit Type PCA Series



WATER CHILLER  
Standard Chiller



## FEATURE 특징

- 실외기, 실내기가 일체로 구성된 제품으로 콤팩트함
- Caster가 장착되어 장소 이동이 편리함
- 고성능, 저소음의 콤프레사 내장으로 탁월한 냉동기능 발휘
- 디지털 온도제어장치를 채택하여 정확한 온도 유지가 가능하고, 사용온도 범위를 폭넓게 조정
- 누전차단기 보호용 연동회로를 장착하여 고장발생을 사전에 예방하고, 높은 안정성 유지
- 한 눈에 이상여부가 확인 가능한 그래픽 패널 부착
- Compact product whose outdoor unit and indoor unit consisted as single
- Convenient to move location with a built-in caster
- Exerting excellent freezing function since a compressor of high performance, low noise is built-in
- Maintaining accurate temperature by adopting digital thermostat and capable of widely adjusting scope of temperature used.
- Previously preventing occurrence of failure and maintaining high stability with built-in of interface circuit for protecting electrical leakage.
- Graphic panel through which any abnormal state can be easily checked..

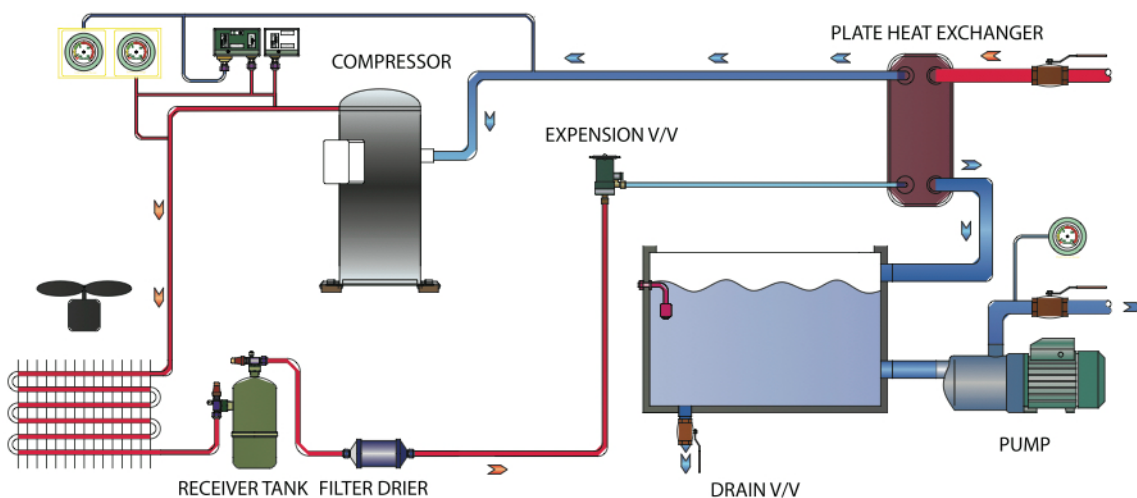
# AIR COOLED

## Unit Type PCA Series specifications



	PCA-1A	PCA-2A	PCA-3A	PCA-5A	PCA-7.5A	PCA-10A	PCA-15A	PCA-20A	PCA-30A	PCA-40A
Cooling capacity (Kcal/hr)	2,800	5,600	8,400	14,000	21,000	2,8000	42,000	56,000	84,000	112,000
Temperature range (°C)	5~3 (Variation : ±2°C)									
Ambient temperature range (°C)	Within 0~45									
Cooling water pressure range (kgf/cm <sup>2</sup> )	1.0~2.5	1.5~3.5	1.5~3.5	3.0~6.0	1.0~2.5	1.5~3.5	2.5~4.0	3.0~5.0	2.0~3.5	3.5~5.5
Cooling water circulation volume range (LPM)	5~20	15~80	15~80	15~80	30~130	30~130	100~210	100~210	160~430	160~430
Cooling water tank capacity (Liter)	20	40	50	80	100	135	165	280	350	500
Cooling water link pipe (A)	15	20	20	25	25	25	32	40	50	65
Refrigerant	Freon R-22 · 407C									
COMP capacity (Kw)	0.75	1.5	2.25	3.75	5.63	7.5	11.25	15	22.5	30
Circulation pump capacity (Kw)	0.35	0.75	0.75	1.1	1.1	1.1	2.2	3	4	5.5
Cooling fan motor capacity (Kw)	0.1	0.2	0.2	0.4	0.75	0.4x2	0.4x2	0.75x2	0.75x3	0.75x3
Power consumption (Kw)	1.2	2.45	3.2	5.25	7.48	9.4	14.95	19.5	28.75	37.75
Power	AC 220V 1Ø 50-60Hz		AC 220-380-440V 3Ø 50-60Hz							
Control circuit Power	AC 220V 1Ø									
External dimension (WxLxH)	470	580	580	660	760	760	945	1050	1050	1200
	x760	x960	x960	x1060	x1100	x1600	x1750	x2100	x2900	x3800
	x870	x1050	x1050	x1130	x1345	x1350	x1595	x1768	x1921	x2140

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- 상기 사양 외 특별주문 사양도 제작합니다.
- Above product may be changed without previous notice depending on futher development of technology.
- Specifications specially ordered other above specifications are also manufactured.



# WATER CHILLER

## Standard Chiller

POWER COOL 공냉식 분리형 PCS Series Series  
Air cooled - Separate PCS Series



### WATER CHILLER Standard Chiller



## FEATURE 특징

- 실외기, 실내기가 일체로 구성된 제품으로 콤팩트함
- Caster가 장착되어 장소 이동이 편리함
- 고성능, 저소음의 콤프레사 내장으로 탁월한 냉동기능 발휘
- 디지털 온도제어장치를 채택하여 정확한 온도 유지가 가능하고, 사용온도 범위를 폭넓게 조정
- 누전차단기 보호용 연동회로를 장착하여 고장발생을 사전에 예방하고, 높은 안정성 유지
- 한 눈에 이상여부가 확인 가능한 그래픽 패널 부착
- Compact product whose outdoor unit and indoor unit consisted as single
- Convenient to move location with a built-in caster
- Exerting excellent freezing function since a compressor of high performance, low noise is built-in
- Maintaining accurate temperature by adopting digital thermostat and capable of widely adjusting scope of temperature used.
- Previously preventing occurrence of failure and maintaining high stability with built-in of interface circuit for protecting electrical leakage.
- Graphic panel through which any abnormal state can be easily checked..



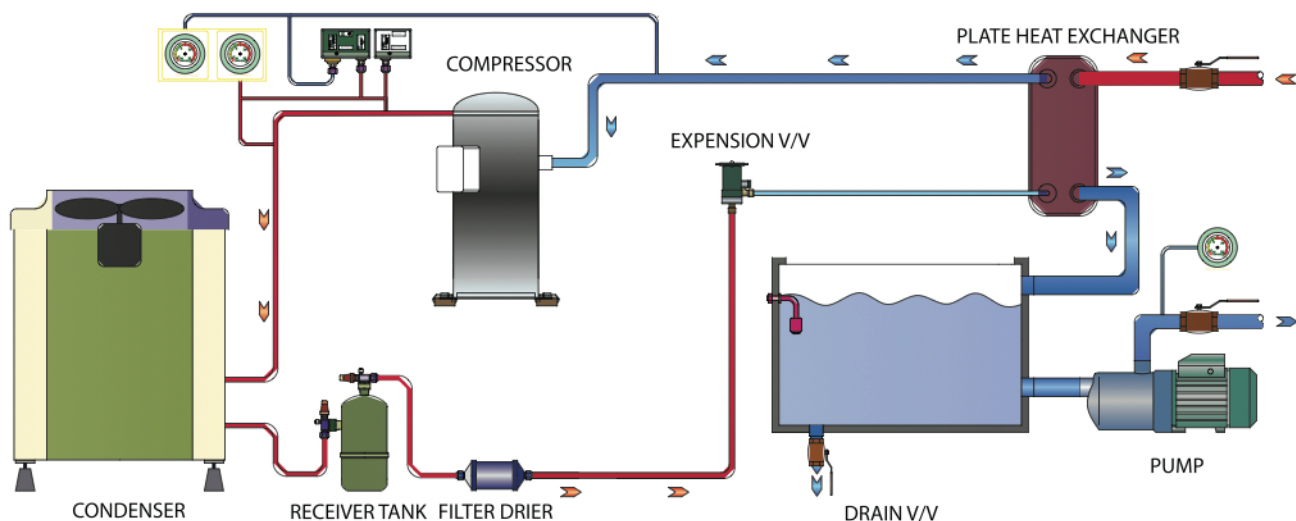
# AIR COOLED

## Separate PCS Series specifications



	PCS-1S	PCS-2S	PCS-3S	PCS-5S	PCS-7.5S	PCS-10S	PCS-15S	PCS-20S	PCS-30S	PCS-40S
Cooling capacity (Kcal/hr)	2,800	5,600	8,400	14,000	21,000	28,000	42,000	56,000	84,000	112,000
Temperature range (°C)	5~3 (Variation : ±2°C)									
Ambient temperature range (°C)	Within 0~45									
Cooling water pressure range (kgf/cm <sup>2</sup> )	1.0~2.5	1.5~3.5	1.5~3.5	3.0~6.0	1.0~2.5	1.5~3.5	2.5~4.0	3.0~5.0	2.0~3.5	3.5~5.5
Cooling water circulation volume range (LPM)	5~20	15~80	15~80	15~80	30~130	30~130	100~210	100~210	160~430	160~430
Cooling water tank capacity (Liter)	20	40	60	80	100	135	165	280	350	500
Cooling water link pipe (A)	15	20	20	25	25	25	32	40	50	65
Refrigerant	Freon R-22 · 407C									
COMP capacity (Kw)	0.75	1.5	2.25	3.75	5.63	7.5	11.25	15	22.5	30
Circulation pump capacity (Kw)	0.35	0.75	0.75	1.1	1.1	1.1	2.2	3	4	5.5
Power consumption (Kw)	1.2	2.45	3.2	5.25	7.48	9.4	14.95	19.5	28.75	37.75
Power	AC 220V 1Ø 50-60Hz AC 220-380-440V 3Ø 50-60Hz									
Control circuit Power	AC 220V 1Ø									
Indoor Unit (W x L x H)	470	580	580	660	760	760	945	1050	1050	1200
	x760	x960	x960	x1060	x1100	x1100	x1750	x1900	x2000	x2200
	x870	x1050	x1050	x1130	x1345	x1345	x1450	x1450	x1450	x1600
Outdoor Unit (W x L x H)	400	530	530	605	900	900	930	1030	1050	1863
	x850	x986	x986	x1125	x870	x870	x1625	x2070	x2740	x2230
	x630	x720	x930	x1065	x895	x1150	x1000	x1000	x960	x1307

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- Specifications specially ordered other above specifications are also manufactured.



# WATER CHILLER

## Standard Chiller

POWER COOL 수냉식 PCW Series Series  
Water cooled Separate PCW Series



**WATER CHILLER**  
Standard Chiller



## FEATURE 특징

- 지하수나 쿨링타워의 물을 이용한 응축냉각 방식으로 실내의 소음을 최소화
- Caster가 장착되어 장소 이동이 편리함
- 공냉식보다 높은 냉각 효율이 장점
- Compact한 구조와 미려한 외관으로 주위 환경과 조화
- 디지털 온도제어장치를 채택하여 정확한 온도 유지가 가능하고, 사용온도 범위를 폭넓게 조정
- 누전차단기 보호용 연동회로를 장착하여 고장발생을 사전에 예방하고, 높은 안정성 유지
- 한 눈에 이상여부가 확인 가능한 그래픽 패널 부착
- Minimizing indoor noise in condensation & cooling method by using groundwater or cooling - tower.
- Convenient to move location with a built - in caster.
- More effective cooling than air - cooled method.
- Harmony with ambient environment thank to compact structure and beautiful appearance.
- Maintaining accurate temperature by adopting digital thermostat and capable of widely adjusting scope of temperature used.
- Previously preventing occurrence of failure and maintaining high stability with a built - in of interface circuit for protecting electrical leakage.
- Graphic panel through which any abnormal state can be easily checked.



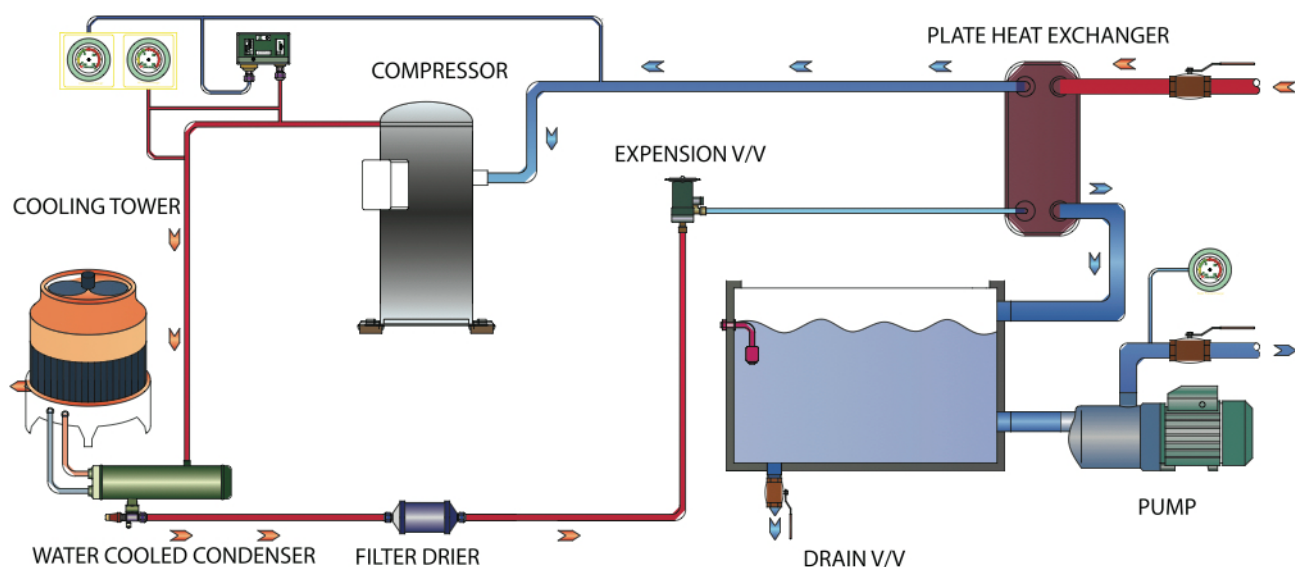
# WATER COOLED

## Separate PCW Series specifications



	PCW-1W	PCW-2W	PCW-3W	PCW-7.5W	PCW-10W	PCW-15W	PCW-20W	PCW-30W	PCW-40W
Cooling capacity (Kcal/hr)	3,000	6,000	9,000	22,500	30,000	45,000	60,000	90,000	120,000
Temperature range (°C)	5~3 (Variation : ±2°C)								
Ambient temperature range (°C)	Within 0~45								
Cooling water pressure range (kgf/㎝ <sup>2</sup> )	1.0~2.5	1.5~3.5	1.5~3.5	1.0~2.5	1.5~3.5	2.5~4.0	3.0~5.0	2.0~3.5	3.5~5.5
Cooling water circulation volume range (LPM)	5~20	15~80	15~80	30~130	30~130	100~210	100~210	160~430	160~430
Cooling water tank capacity (Liter)	20	40	60	100	135	165	280	350	500
Cooling water link pipe (A)	15	20	20	25	25	32	40	50	65
Refrigerant	Freon R-22・407C								
COMP capacity (Kw)	0.75	1.5	2.25	5.63	7.5	11.25	15	22.5	30
Circulation pump capacity (Kw)	0.35	0.75	0.75	1.1	1.1	2.2	3	4	5.5
Cooling fan motor capacity (Kw)	15	21.6	27	70	104	145	195	300	390
Power consumption (Kw)	1.1	2.25	3.2	6.73	8.6	13.45	18.0	26.5	35.5
Power	AC 220V 1Ø 50-60Hz			AC 220-380-440V 3Ø 50-60Hz					
Control circuit Power	AC 220V 1Ø								
External dimension (WxLxH)	470	580	580	760	760	945	1050	1050	1200
	x760	x960	x960	x1100	x1600	x1750	x1900	x2000	x2200
	x870	x1050	x1050	x1345	x1350	x1450	x1450	x1450	x1600

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# WATER CHILLER

## Special Chiller

연구실험용  
Chiller for Analysis



Model	A	B	C
PCA (1/2HP)	580	480	800
PCA (3/4HP)	580	480	800

Model	A	B	C
PCS (1HP)	705	450	900
PCS (1HP)	705	450	900

Model	A	B	C
PCS (2HP)	850	600	975

현재 국내 각 분야의 실험실 연구 장비들은 유럽, 미국 그리고 일본 등에서 수입되는 것이 대부분입니다. 주변기기 또한 고가로 수입하여 사용되고 있습니다.

와쿨은 외화의 유출 억제와 수입대체를 위해 끊임없는 기술개발에 노력하여, 국내 대학연구소의 실험장비 및 의료, 반도체 장비에 맞는 초정밀 온도제어가 가능한 Water Chiller를 개발하여 공급하고 있습니다. 이러한 특수장비가 성능을 최대한 발휘하기 위해 서로 주변환경 조건을 맞춰주는 것이 중요합니다.

와쿨의 Water Chiller는 적당한 온도유지를 필요로 하고 냉각수 온도 변화에 민감한 장비에 필수적입니다.

Most of research equipment for laboratory in each section in Korea are now imported from Europe, American and Japan, etc, Peripheral devices are also imported and used at a high price. Wacool endeavors for endlessly technology development for restriction of foreign current outflow and import substitution and develops and supplies water cfillers, that super - precision temperature control is possible suitable for experiment equipment, medical & semi - conductor eaupment used in domestic university institutes.

It is essential to form neighboring environment conditions in order that such special equipment should exert optimum performance. Wacool water chillers require keeping of temperature and it is essential to equip with devices sensitive to change of cooling water temperature.



# 연구실험용

## Chillers for Analysis specifications



		PCA-50SU	PCA-75SU	PCA-100SU	PCA-100SU2	PCA-200SU
Operating range	Cooling capacity(kcal/h)	1250	1670	2500	2500	5000
	Temperature range(°C)	16~25				
	Temperature stability(°C)	±2	±2	±0.1	±0.05	±0.05
	Outlet pressure(kg/cm²G)	0.5	0.5	0.5	2	3
	Flow rate(ℓ/min)	5~20	5~20	10~35	10~35	10~40
	Power requirements(V-A)	1Ø220V 9A	1Ø220V 10A	1Ø220V 15A	3Ø220V 20A	3Ø220V/380V (20A/15A)
Units	Reservoir capacity(ℓ)	20	20	45	45	60
	Refrigerant	Freon R-22-407C				
	Control	Temperature Controller				
Refrigerant Compressor	Type	Reciprocation Hermetic	Reciprocation Hermetic	Rotary	Rotary	Reciprocation Hermetic
	Locked Rotor amp(LRA)	21.5	23	35	35	2.27
	Rated input(kw)	0.4	0.6	0.75	0.75	33
Water Pump	Scope of stroke MAX(M)	5	5	5	33	33
	Rated Input(kw)	0.05	0.05	0.05	0.45	0.45
Weight(kg)		62	65	70	70	85

### ■ 특징

- 분석기기 실험환경을 고려한 일정한 온도유지와 정속운전으로 고객만족 실현
- 냉각기 판넬 내부에 흡음제를 부착하여 소음발생을 최소화 함
- 순환수용 Filter는 스트레너 방식으로 반영구적이며 정기적으로 교환할 필요가 없음

### ■ 제품설명

디지털 전자 온도 조절기      온도제어범위 : 5~30°C(편차 : ±0.5°C)      주변온도범위 : 0.45°C 이내  
 사용냉매 : Freon R-22      순환수 Filter : 50μm

### ■ 경보

장비알림경보 : 저수위, 고압이상, 과전류      온도알림경보 : 상한, 하한

### ■ Features

- Customer-satisfaction by maintaining temperature at a stable level and operating the unit silently in consideration of the analysis unit experiment environment
- Minimization of noise-making by using the noise controlling material within the cooler panel
- Strainer-type Circulating Water filter that is semi-permanent and needs no replacement

### ■ Specifications

Digital thermostat      Temperature range : 5~30°C(variation : ±0.5°C)      Ambient temperature range : 0~45°C  
 Refrigerant : Freon R-22      Circulating Water Filter : 50μm

### ■ Alarm

Device alarming : Low level water, abnormally high pressure, overloaded current  
 Temperature alarming : Upper/lower limits

### ■ 용도 전자현미경, 광학기기, 자동화기기

### ■ Usage Electronic microscope, optical units, automotive units

# WATER CHILLER

## Special Chiller

레이저기기용  
Chiller for Laser Cutting



Water Chiller-Special Chiller  
Chillers for Laser Cutting

## FEATURE 특징

- 레이저가공(절단)기에 적합한 구성으로 가공정밀도 향상
- CO2 레이저, Yag 레이저, 알곤이온레이저 등의 레이저 응용기기에도 적합
- 고성능, 저소음, 저진동의 스크롤 콤프레샤 장착으로 효율적인 냉각능력 발휘
- 겨울철 낮은 주변온도에 대응할 수 있는 동파방지 기능 장착
- 한 눈에 이상여부가 확인 가능한 그래픽 패널 부착
- Improving processing precision level with appropriate configuration of laser processing (cutting -off) machine.
- Appropriate even for laser applications such as CO2 laser, Yag laser, Argon ion laser, etc.
- Exerting effective cooling capacity with mounting of scroll compressor of high performance, low noise and lower vibration.
- Mounting of winter rupture prevention function in respond to low ambient temperature in winter.
- Graphic panel through which any abnormal state can be easily checked.



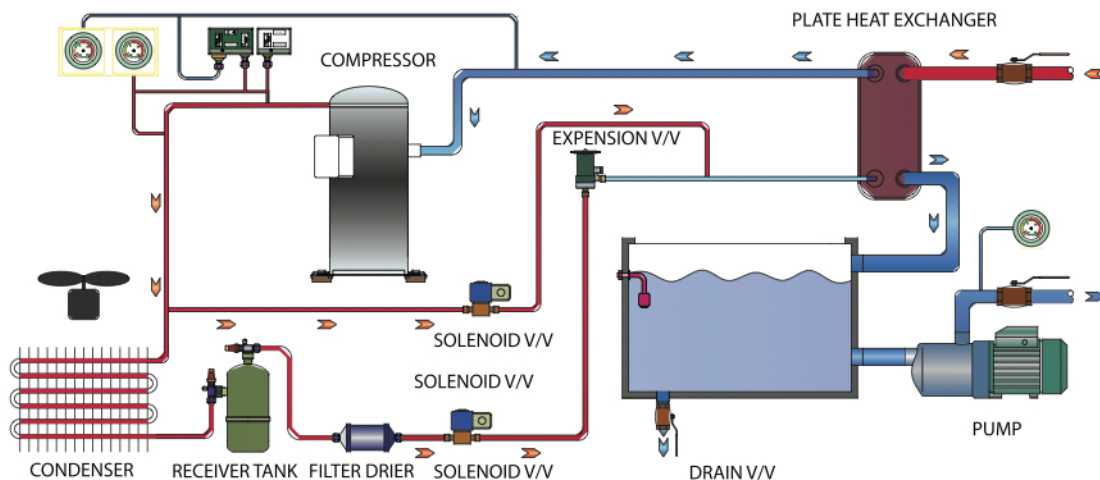
# 레이저기기용

## Chillers for Laser Cutting specifications



Cooling capacity(kal/hr)		PCA-3L	PCA-5L	PCA-7.5L	PCA-10L	PCA-15L	PCA-20L
Temperature range	Main	8,400	14,000	21,000	28,000	42,000	56,000
	Mirror	5~30(Variation:±1.0℃)			20(Variation:±1.0℃)		
Ambient temperature range		24(Variation:±1.0℃)					
Cooling water pressure range (Kgf/cm)		Within 0~45					
Circulation volume(LPM)		Max.2.5~5 bar					
Tank capacity (Liter)	Main	15~80	15~80	30~180	110	160	180
	Mirror	-	-	-	5	10	10
Link pipe(mm)	Main	60	80	100	135	200	280
	Mirror	20	25	25	32	50	50
1/0pipr line fileter (μm)		-	-	-	13	13	13
Electric heater (kw)		Outlet:60					
Refrigerant		-	-	-	3	5	5
COMP capacity (Kw)		Freon R-22・407C					
Circulation pump capacity (Kw)		2.25	3.75	5.63	7.5	11.25	15
Cooling fan motor capacity (Kw)		0.75	1.1	1.1	2.2	3	3
Power consumption (Kw)		0.2	0.4	0.75	0.4x2	0.75x2	0.75x2
Power		3.5	5.5	7.5	15	20	25
Control circuit Power		AC220・380・440V 3Ø 50・60Hz					
External dimension (WxLxH)		AC 220V 1 Ø					
		580 x960 x1050	660 x1060 x1130	760 x1100 x1345	920 x1600 x1786	1020 x1900 x1871	1050 x2100 x1768

- 상기 제품은 기술 개발에 따라 예고 없이 변경될 수 있습니다.
- 상기 사양 외 특별주문 사양도 제작합니다.
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- Specifications specially ordered other above specifications are also manufactured.



# WATER CHILLER

## Special Chiller

식품기기용  
Chiller for Food Molding



Water Chiller-Special Chiller  
Chillers for Food Molding

## FEATURE 특징

- 식품산업 전반에 걸쳐 적용 가능하며 특히 가공식품을 단시간에 냉각시켜 신선도를 오랫동안 지속할 수 있어 유통 관리에 유리함
- 부식되지 않는 배관재를 사용하여 깨끗한 수질을 유지함
- 고성능, 저소음, 저진동의 콤프레샤 장착으로 효율적인 냉각능력 발휘
- 겨울철 낮은 주변온도에 대응할 수 있는 동파방지기능 장착
- 한 눈에 이상여부가 확인 가능한 그래픽 패널 부착
- Applicable to the whole area of food industry, and largely having effect on distribution management be cause of maintaining
- freshness level for a long time specially cooling process food for a short time.
- Maintaining clean water by pipe materials not eroded.
- Exertin effective cooling capacity with mounting of compressor of high performance, low noise and lower vibration.
- Mounting of winter rupture prevention funtion in respond to low ambient temperature in winter.
- Graphic panel through which any abnormal state can be easily checked



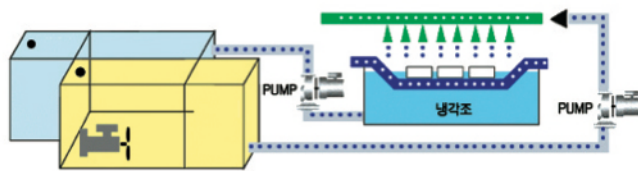
# 식품기기용

## Chillers for Food Molding specifications



		Air-cooled, Separate Type			Air-cooled, Unit Type			
Item	Mode	PCA-20FS	PCA-30FS	PCA-40FS	PCA-20FU	PCA-30FU	PCA-40FU	PCA-60FU
Cooling capacity(kal/hr)		56,000	84,000	112,000	56,000	84,000	112,000	168,000
Temperature range		5~30(Variation:±2℃)						
Ambient temperature range		Within 0~45						
Cooling water pressure range		2.0~3.5						
Cooling water circulation volume range		100~210	160~430	160~500	100~210	160~430	160~500	160~430x2
Cooling water link pipe(A)		40	50	65	40	50	65	50x2
Refrigerant		Freon R-22・407C						
COMP capacity (Kw)		15	22.5	30	15	22.5	30	22.5x2
Circulation pump capacity (Kw)		3	4	5.5	3	4	5.5	4x2
Power consumption (Kw)		19.5	28.75	37.75	19.5	28.75	37.75	57.5
Power		AC220・380・440V 3Ø 50・60Hz						
Control circuit Power		AC 220V 1 Ø						
External dimension	indoor unit (WxLxH)	1000 x1900 x1280	1000 x2000 x1280	1200 x2200 x1400	1050 x2100 x1768	1050 x2900 x1921	1200 x3800 x2140	2304 x3110 x2250
	Outdoor unit (WxLxH)	1030 x2070 x1000	1050 x2740 x960	1863 x2230 x1307				

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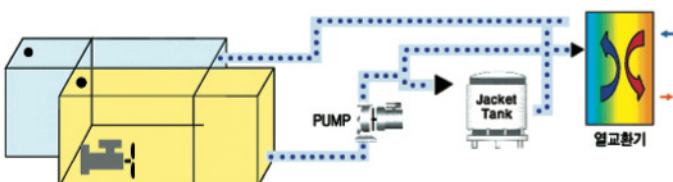
### 직접냉각(순환)-(0℃~30℃)

showering 냉각조, 침지냉각조로의 냉수공급  
pack용/ 두부냉각 / 소스냉각 / 마요네즈 냉각 / 활어 수족관

### Direct cooling(circulating) (0℃~30℃)

Cool water supply by means of showering/dipping cooling tanks

Packing/ bean curd cooling / sauce cooling / mayonnaise cooling / live fish aquarium



### 간접냉각

jacket 저온유지 tank, 열교환기로의 냉수공급  
우유/ 두유/ 육수/ 원료냉각/ 제품냉각/ 조미액냉각/  
식품공장, 화학공장 각종 기기 장비냉각

### Indirect cooling

Cool water supply by means of jacket low- temperature tank, heat-exchange unit

milk / soy milk / beef-soup stock / raw material cooling / product cooling / liquid seasoning cooling / food processing plant, chemical factory units and facilities

# AIR COOLER

냉풍기  
Air Conditioning Cooler



## FEATURE 특징

- 디지털 전자온도조절기를 사용하여 정밀온도 제어가 가능
- 풍량을 임의로 조정할 수 있어 작업 조건에 맞게 사용 가능
- 연속 운전이 가능함
- 이동이 가능하므로 설치 후에도 장소 변경이 용이함
- Precise temperature control with a digital electronic thermostat
- Optionally adjusting wind quantity suitable for working conditions
- Consecutive operation available
- Easy to change location even after installation of product since movement is possible

## APPLICABLE MACHINE

적용가능 기계

- 컨베이어 라인
- 압출시트기
- 자동화기계
- 식품기계
- 의료기계
- 각종 공압기기 등
- Converyor line
- Extruding sheet machine
- Automation machine
- Food maching
- Medical machine
- Various air pressure, etc



	PCA-2C	PCA-3C	PCA-5C
Capacity of compressor (kw)	1.5	2.25	3.75
Scope of temperature control (℃)	-5~20℃		
Scope of ambient temperature (℃)	Within 40℃		
Refrigerant used	Freon R-22 · 407C		
Wind blower Wind quantity (CCM)	25.5	25.5	50
Static pressure (mmAQ)	34	34	65
Motor	200wx6p	200wx6p	700wx6p
High Pressure S/W	SNS-C130		
Dual Pressure S/W	DNS-S306M		
Expansion Valve	0.9ton	1.28ton	3.2ton
Type	Hot Gas By pass & Electric Heater		
	Air-cooled Type (Unit Type, Seperate Type)		

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Air Conditioning Cooler



# WATER CHILLER

초소형 냉각기  
Small Type of Chiller



## FEATURE 특징

- 고효율 냉각능력 극대화, 우수한 내구성, 정밀 온도제어
- 실외기, 실내기가 일체로 구성된 제품으로 콤팩트함
- 고성능, 저소음의 콤프레서 내장으로 탁월한 냉동기능 발휘
- 누적차단기 보호용 연동회로를 장착하여 고장발생을 사전에 예방하고 높은 안전성 유지
- 다이얼 T.C 장착으로 사용온도 범위 조절 가능
- 전자식 자동온도 조절기 PID 장착-정확한 온도 유지기능 (Option)
- Maximization of high-efficiency cooling capacity, excellent endurance, precise temperature control
- Compact product where outdoor unit and indoor unit are united
- Exerting excellent cooling function with built-in compressor of high performance and low noise
- Previously preventing occurrence of failure and maintaining high stability with a built-in of interface circuit for protecting electrical leakage
- Adjusting temperature range with built-in of dial T.C.
- Built-in of electronic thermostat PID (option)

PCA-2000UNIT

Operating range Coolign Capacity (kcal/h)		720
Temperature range(°C)		5~30
Temperature stability(°C)		±2
Outlet pressure(kg/cm <sup>2</sup> G)		0~1
Flow rate(ℓ /min)		3~10
Power requirements		1 Ø 220V 6A
Units Reservoir capacity(ℓ)		15
Refrigerant		Freon R-12 & R-134a
Control		Temperature Controller
Refrigerant Compressor	Type	Reciprocation Hermetic
	Locked Rotor amp(LRA)	-
	Rated input(HP)	1/5
	Maker	-
Water Pumn	Scopr of stroke(MAX.(M))	30~50
	Rated input(w)	200
	Maker	-
Dimensions	A(mm)	380
	B(mm)	530
	C(mm)	450
	Painting Color	당사 지정색



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# Human Future Technology



본 사 인천광역시 서구 건지로 95번길 34, B동 109호  
TEL . 032) 584 - 7267~8  
FAX. 032) 584 - 7269  
담당자 : 010-7144-6508

E-mail [powercooling@naver.com](mailto:powercooling@naver.com)  
Website [www.powercooling.co.kr](http://www.powercooling.co.kr)

