

# 2023 热泵热水器、采暖、烘干 专用压缩机

Compressor Catalogue For Heat Pump Water Heater、 Heat Pump Space Heating  
And Heat Pump Dryer



## 公司介绍

Company Introduction

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上海海立(集团)股份有限公司于1992年在上海市证交所成功上市(A股600619/B股900910),此后携手外资进军空调压缩机产业,并逐步向制冷关联产业领域延伸,如今海立已成长为全球领先的空调压缩机、电机及驱动控制、以及冷暖关联产品研发制造商,旗下共有9家企业,形成了“压缩机、电机、驱动控制、冷暖关联、汽车零部件”五大关联产业,产品遍及全球165个国家和地区的亿万家庭。

公司主营业务空调压缩机拥有国家级企业技术中心和国家级实验室、博士后工作站、现代制造技术中心、以及国际先进水平的工艺技术装备和智能制造系统,能够生产各种冷媒、不同电压和频率的9大系列1000多个高效节能机种,产能3100万台/年,占有全球1/7的市场份额,在全球拥有4家世界级绿色工厂(上海、南昌、绵阳、印度)和6个技术服务中心(上海、南昌、广东、绵阳、德国、印度),为全球客户提供属地化的产品、优质的服务和技术支持。

作为全球转子式压缩机的领军企业,海立在专注空调压缩机主业的同时,多年以来一直积极拓展转子式压缩机在节能环保新领域的应用。依托领先的压缩机开发技术以及对压缩机和热泵系统匹配技术的深入研究,海立是国内首家推出4XPOWER系列热泵热水器专用压缩机的企业。目前海立产品已全面覆盖热泵热水、采暖、烘干三大热泵应用领域,为热泵节能产业的发展提供强大动力。

Shanghai Highly(Group) Co.,Ltd. was successfully listed on the Shanghai Stock Exchange(A share 600619/B share 900910) in 1992. Then it joined with foreign-owned enterprises to march towards the air conditioning compressor industry and gradually extended into the refrigeration-related industry. Nowadays, Highly has grown into the world's leading research and development manufacturer of air conditioning compressors, electric motors, drive controls, and cooling and heating-related products. It owns nine enterprises and has formed four?five related industry sector businesses of "compressors, electric motors, drive controls, and cooling and heating-related products, automobile parts", with products extending to hundreds of millions of families in 165 countries and regions around the world.

The company has a national-level enterprise technical center and nationally recognized laboratory, postdoctoral workstation, modern manufacturing technical center, and a technical equipment and intelligent manufacturing system on an advanced international level for its main business-air conditioning compressors. It is capable of producing various refrigerants and more than 1000 efficient energy-saving models of nine series with different voltages and frequencies, with the capacity of 31 million units. It takes up 1/7th of the market share of the world and has four world-level green plants(Shanghai, Nanchang, Mianyang and India) and six technical service centers(Shanghai, Nanchang, Guangdong, Mianyang, Germany, India ), providing global customers with localized products, quality service, and technical support.

As a global leader in rotary compressors, Highly not only focuses on the development of air-conditioning compressor, but also try her best to expand the applications of rotary compressors in the fields of energy-saving and environmental protection. Highly has rich experience in matching between compressors and heat pump systems, and the first series compressors specifically for heat pump water heater which named 4XPOWER come from Highly. At present, Highly products have been fully covered heat pump water heater, heating and drying applications.



ISO9001质量管理体系认证



ISO14001环境管理体系认证



OSHMS职业安全健康管理体系认证



TUV认证



UL认证



CCC认证



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Multi Refrigerant Compressor for HPWH

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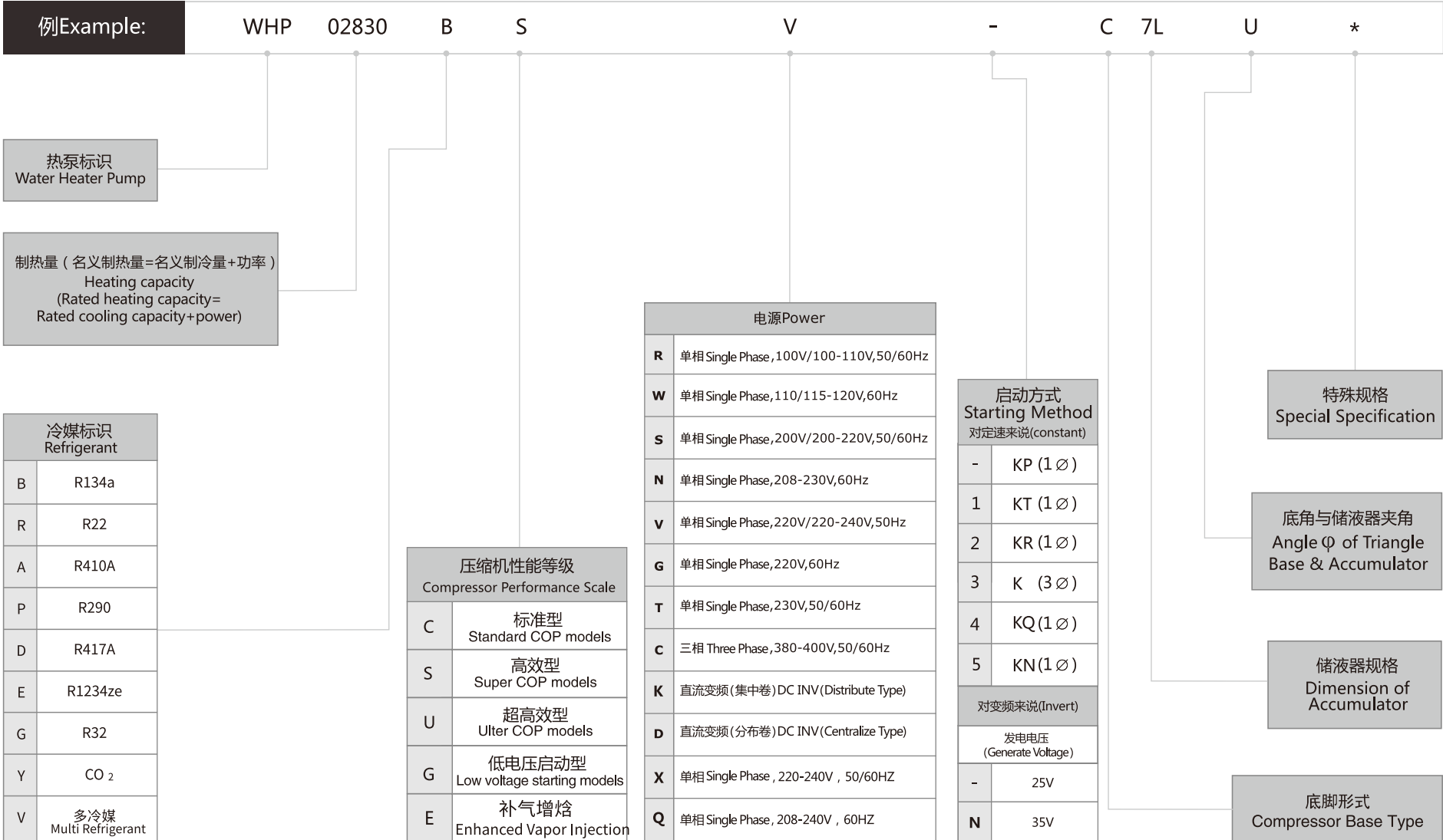
## 30 / 泳池热泵

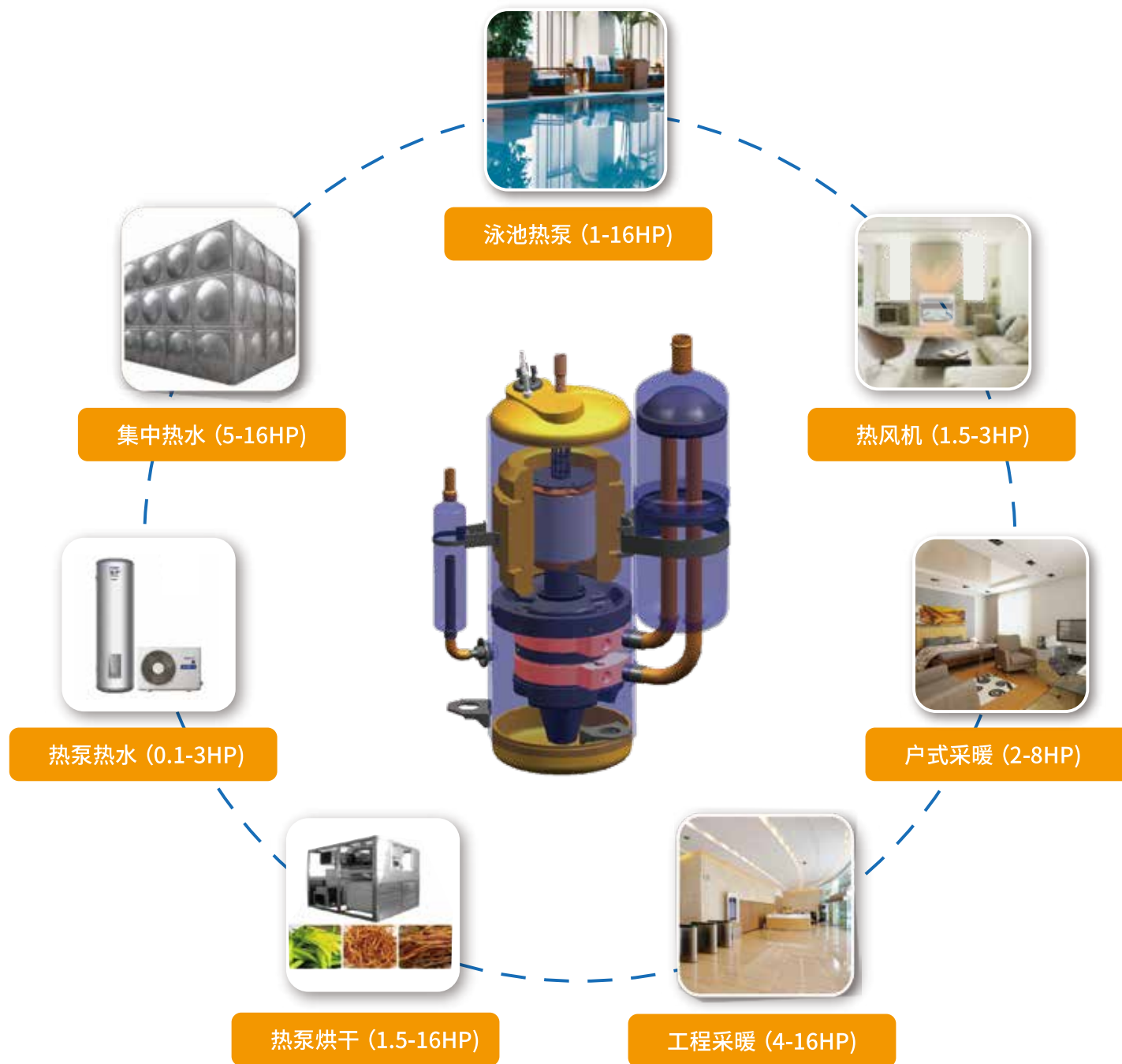
### Compressors for Swimming pool HP

- 30 高效泳池热泵压缩机  
High Efficiency compressor for Swimming pool HP



## 压缩机编号方法 Model code identification

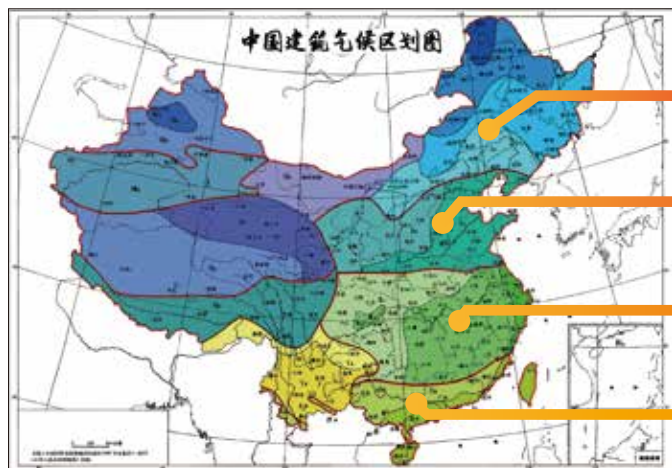




# 全域采暖

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## 气候分布 Climatic Province



制热D区  
-25/-°C

制热C区  
-12/-13.5°C

制热B区  
-2/-3°C

制热A区  
7/6°C



商用集中采暖：大规格变频15HP EVI

户式采暖：1.5-10HP EVI系列

两联供：3-15HP 变频系列

舒适产品：温湿独立控制专利技术

## 产品解决方案 Product Solutions

### 制热A区



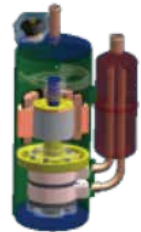
#### 系统功能

- 高温制热
- 蒸发侧冷媒密度大

#### 海立解决方案

高温制热，高可靠性压缩机

### 制热B区



#### 系统功能

- 制冷制热兼顾
- 能力需求跨度大

#### 海立解决方案

制冷制热兼顾，变频压缩机

### 制热C区



#### 系统功能

- 低温制热需求大
- 使用频度高
- 集中供暖需求大

#### 海立解决方案

变频+大规格+喷气增焓压缩机

### 制热D区



## 海立4XPOWER系列

### --热泵采暖专用R290/R32/R410A补气增焓压缩机技术特点

#### Compressor for Domestic Heating Characteristics of 4XPOWER Series of HIGHLY

#### 高可靠性 High Reliability

适合热泵冬季采暖高压比恶劣工况长期运行，设计寿命十年以上，使用寿命约为目前普通压缩机的4倍。

Suitable for rigorous conditions that the working pattern of Heat Pump is high compression ratio in winter. The lifetime achieves more than 10 years, approximately four times as long as current compressors of Heat Pump.

#### 高水温 High outlet water temperature

最高冷凝温度可达70°C，保证出水水温达到65°C以上，满足散热片采暖需求。

Max condensing temperature could reach as high as 70°C, which ensure outlet water temperature could be above 65°C and cover heating demand of heat pump radiator.

#### 技术领先 Lead in Technique

使用环保冷媒 R290/R32/R410A。

Use eco-friendly refrigerant R290/R32/R410A.

蒸发温度可低至-35°C，确保在-30°C环境下可靠运行。

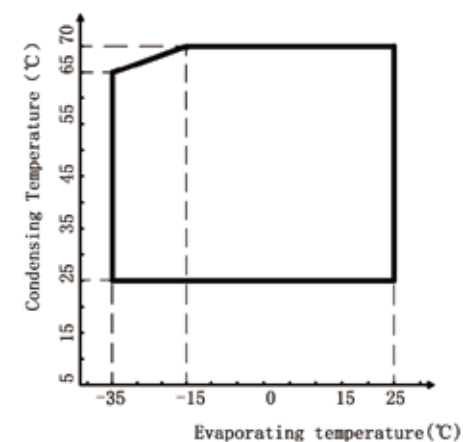
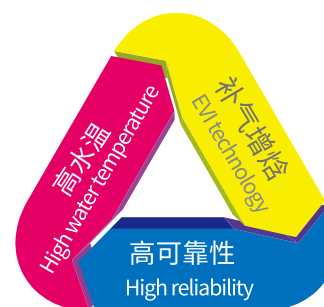
Min evaporating temperature could be as low as -35°C, which ensure system to run steadily at environment temperature -30°C.

运用补气增焓技术，制热能力提升达30%，在-12°C环境温度下，能效可达2.4以上。

With EVI technology of Highly rotary compressor, heating capacity could increase 30% and COP could be above 2.4 at environment -12°C.

定速及变频技术全面覆盖家庭采暖需求。

Both of fix speed and variable speed options could fully cover household heating demand.

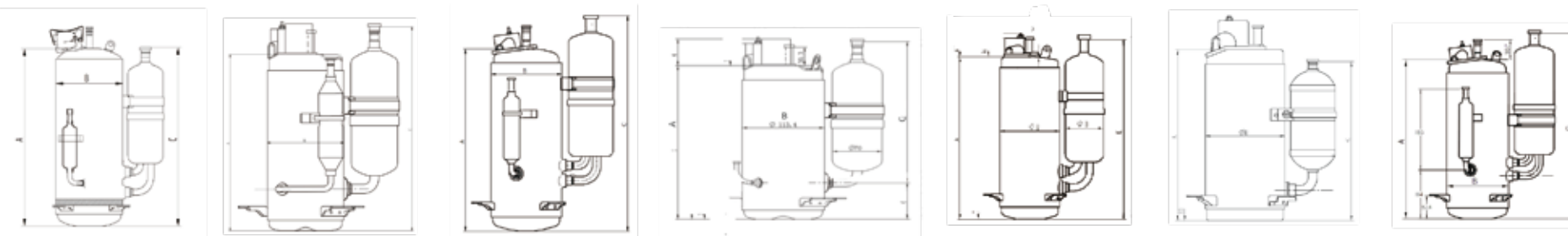


## 采暖压缩机型谱 Capacity Distribution

应用 Application	电源 Power		冷媒 Refrigerant	制热量(KW)										
				5.0	10.0	15.0	20.0	25.0	30.0	35.0				
家用户式采暖 (Domestic Heating)	定频	1Φ,220v/50Hz	R410A (EVI)	● 20.1 ● 30.7 ● 42 ● 51.8										
	变频	DC INV		● 11/12/14/22.6 25.4 ● 30.7 ● 35.6 ● 42										
商用集中采暖 (Commercial Heating)	定频	3Φ,380v/50Hz	R410A (EVI)	● 42 ● 51.8 ● 75.2										
	变频	DC INV		● 55 ● 65 ● 75.2 ● 84.8										
欧美采暖机型 (A/W heating with Low GWP refrigerant)	变频	DC INV	R410A/R452B/ R454B/R454C	● 11 ● 14.1 ● 18.6 ● 22.6 ● 30.7 ● 42 ● 55 ● 75.2										
	变频		R290	● 8 ● 14 ● 15 ● 22.6 ● 30.7 ● 35.6 ● 42 ● 55 ● 75.2 ● 84.8										

注note: ● 量产产品 mass production ● 开发中 under developing

## 外形图 Outline Drawing



图一 (Picture 1)

图二 (Picture 2)

图三 (Picture 3)

图四 (Picture 4)

图五 (Picture 5)

图六 (Picture 6)

图七 (Picture 7)

本样本中相关技术参数仅供参考，如需详细数据请与我司新兴事业部联系。  
The performance parameter is just for reference, please contact with us if you need details about the model.





# R410A/R32热泵采暖EVI压缩机

R410A/R32 EVI Compressor for HP Space Heating

机型Model	WHP04200AEKQ	WHP04300AEKQ	WHP04800AEKQ	WHP05600AEKR	WHP05800AEKR	WHP07850AEKR	WHP09100AEKP	WHP09100GEKP	WHP12900GEKP	WHP11500AEDP	WHP11500AEK	WHP13100AEDP	WHP15600AEDP	WHP15600AEK	WHP15600AEDT	
排量 Displacement (CC/rev)	11.0	11.3	12.2	14.1	14.5	18.6	22.6	28.0	30.7	35.6	42.0					
电源类型 Power Type	DC INVERT 220V															
冷媒 Refrigerant	R410A/R32		R410A		R410A/R32	R410A		R410A/R32		R410A	R410A/R32	R410A		R410A/R32	R410A	
额定电流 Rated Current (A)	3.60	3.85	4.15	4.70	4.05	5.65	8.20	8.90	10.00	12.00		14.90	18.00	16.70	18.00	
额定输入功率 Rated Input (W)	1045	1050	1185	1380		1830	2230	2260	2770	3150	2850	3850	4580	4160	4500	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	4335	4384	4800	5620	5875	7421	9100	9370	11102	12750	12830	14850	17470	17220	17600
	COP	4.15	4.17	4.05	4.07	4.26	4.05	4.08	4.15	4.01	4.05	4.20	3.86	3.84	4.14	3.91
-12°C采暖工况 Heating Working Condition	制热量 Heating Capacity (W)	3300	3340	3600	4215	4335	5560	6825	7850	8650	9500		11000	13000	13000	13100
	COP	2.82	2.85	2.76	2.77	2.90	2.75	2.77	2.73	2.75	2.75	2.80	2.71	2.70	2.80	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	34		36	42		55	68		86	96		112	130			
电容 Capacitor ( μF/V )	—															
压缩机高度 Height of Compressor (A)(mm)	261.7	235.5	240.7	261.7	235.5	261.7	291.7		375.8							
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ113.4								Φ113.4	Φ140.1						
吸气口高度 Height of Suction ( C )(mm)	294.0	273.0	288.0	294.0	278.0	303.0	357.7	435.0	435.0				438.0			
储液器外径 Outside Dia. of Accumulator (mm)	Φ70							Φ80		Φ89.1						
底脚角度 Angel between Base Foot and Suction ( ° )	85				90	85			90							
底脚安装半径 Radius of Base Foot (mm)	R75								R88.5							
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	100.5							106.0		125.0						
冷凝温度范围 Condensing Temp (°C)	≤70	≤65		≤70	≤65		≤70									
出水温度 Outlet Water Temp. (°C)	≤65	≤60		≤65	≤60		≤65									
外型图 Outline of Compressor	图二 (Picture 2)	图四 (Picture 4)		图七 (Picture 7)	图四 (Picture 4)	图七 (Picture 7)			图三 (Picture 3)							

注Note : ● 开发中的机型 In Development  
变频机种额定工况测试转速3600rpm, 采暖工况测试转速4200rpm

# R410A/R32热泵采暖EVI压缩机

R410A/R32 EVI Compressor for HP Space Heating



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机型 Model	WHP23000GKET	WHP28600AEKT	WHP32900AEKT	WHP37600AEKT	WHP10100AEV	WHP13500AEV	WHP14500AEV	WHP17500AEV	WHP16000AEM	WHP18000AEC	WHP17500AEC	WHP19800AEC	WHP26000AEC	
排量 Displacement (CC/rev)	55.0	63.9	75.2	84.8	30.7	42.9	45.4	51.8	42.0	55.0	51.8	59.0	75.2	
电源类型 Power Type	DC INVERT220V				220~240V, 1Φ, 50Hz				380~415V, 3Φ, 50Hz					
冷媒 Refrigerant	R410A													
额定电流 Rated Current (A)	18.0	19.0	24.0	27.0	12.7	18.0	19.0	21.2	7.8	8.6	7.9	9.0	11.7	
额定输入功率 Rated Input (W)	5800	6645	8065	9000	2710	3900	4090	4600	3700	4755	4530	5210	6800	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	23400	25900	32825	37000	10190	13960	14540	17540	13800	17605	17850	20090	26100
	COP	4.03	4.20	4.07	4.05	3.76	3.60	3.56	3.81	3.70		3.94	3.86	3.84
-12°C采暖工况 Heating Working Condition	制热量 Heating Capacity (W)	17400	19260	24500	27600	6400	8700	9200	11300	8650	11000	11200	12870	16400
	COP	2.75	2.85	2.80		2.66	2.60		2.68	2.62		2.72	2.70	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	173	190	232		77	107	113	126	105	125		142	182	
电容 Capacitor ( μF/V )	—				70/450	120/400		100/450	—					
压缩机高度 Height of Compressor (A)(mm)	400.7	430.5	446.5		375.8			414.6	375.8	400.7	414.6		445.2	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ140.1		Φ167.6		Φ140.1					Φ167.6				
吸气口高度 Height of Suction ( C )(mm)	436.5	467.9	439.8		401.5	394.0	397.5	429.5	394.0	422.1	429.5		434.8	
储液器外径 Outside Dia. of Accumulator (mm)	Φ89.1													
底脚角度 Angel between Base Foot and Suction ( ° )	90		45		90			45		90		45		
底脚安装半径 Radius of Base Foot (mm)	R88.5		R105		R88.5			R105		R88.5		R105		
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	125		142.2		125.0			142.2		125.0		142.2		
冷凝温度范围 Condensing Temp (°C)	≤65				≤70				≤70		≤70			
出水温度 Outlet Water Temp. (°C)	≤60				≤65				≤65		≤65			
外型图 Outline of Compressor	图三 (Pictur 3)		图一 (Picture 1)		图三 (Picture 3)			图一 (Picture 1)	图三 (Picture 3)		图一 (Picture 1)			

注Note: ●开发中的机型 In Development  
变频機種额定工况测试转速3600rpm,采暖工况测试转速4200rpm

机型Model		WHP11500GUD	GTH356SDP	GTH420SDP	WHP15600ASD	WHP15600VSK	WHP23000VSD
排量Displacement (CC/rev)		30.7	35.6	42.0		55.0	
电源类型 Power Type		DC INVERT					
冷媒 Refrigerant		R32/R410A			R410A	R410A/R32/R134a	R410A/R454B/R454C
额定电流 Rated Current (A)		12.00	14.50	17.00	16.20	16.00	21.00
额定输入功率 Rated Input (W)		2930	3290	3970	4160	4100	5290
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	12180	13890	16680	17400	17400	22600
	COP	4.19	4.22	4.20	4.18	4.24	4.27
出水率 (升/小时) Outlet Capacity (Liter/Hour)		285	290	346	390	390	512
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )		96	98	118	130		170
电容 Capacitor ( μF/V )		—					
压缩机高度 Height of Compressor (A)(mm)		375.8				400.7	
压缩机外径 Outside Dia. of Compressor (B)(mm)		φ140.1					
吸气口高度 Height of Suction ( C )(mm)		435.0				396.6	
储液器外径 Outside Dia. of Accumulator (mm)		φ89.1				φ80	
底脚角度 Angel between Base Foot and Suction ( ° )		90					
底脚安装半径 Radius of Base Foot (mm)		R88					
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)		125				121	
冷凝温度范围 Condensing Temp (°C)		≤70				≤65	
出水温度 Outlet Water Temp. (°C)		≤65				≤60	
外型图 Outline of Compressor		图五 (Picture 5)					

注Note : ● 开发中的机型 In Development

# 低GWP新冷媒直流变频采暖专用压缩机

Low GWP refrigerant compressor for HPWH



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机型 Model		WHP02000PCK	WHP03300PRK	WHP03600PRK●	WHP05500PUK	WHP07600PSD	WHP10200PSD	WHP13300PSD	WHP32900VSKT	WHP37600VSKT●	
排量 Displacement (CC/rev)		8.8	14.0	15.0	22.6	30.7	42.0	55.0	75.2	84.8	
电源类型 Power Type		DC INVERT									
冷媒 Refrigerant		R290						R134a/R454B/R454C/R290			
额定电流 Rated Current (A)		1.63	2.53	2.50	4.70	6.40	8.80	11.50	14.50	16.5	
额定输入功率 Rated Input (W)		450	709	820	1140	1580	2210	2860	4300	4820	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	2100	3389	3854	5420	7475	10200	13300	19050	21830	
	COP	4.67	4.78	4.70	4.75	4.73	4.61	4.76	4.43	4.53	
出水率 (升/小时) Outlet Capacity (Liter/Hour)		36	73		110	150	90	140	200	226	
匹配地暖面积 Floor Heating Area (m <sup>2</sup> )		—					30	48	68	78	
电容 Capacitor (μF/V)		—									
压缩机高度 Height of Compressor (A)(mm)		200.0	226.5	308.7	338.7	322.9	331.8	352.8	443.0		
压缩机外径 Outside Dia. of Compressor (B)(mm)		φ113.4	φ113.4			φ140.1			φ167.6		
吸气口高度 Height of Suction (C)(mm)		202.0	200.0	294.0	291.7	385.6	393.5	383.6	439.8	445.3	
储液器外径 Outside Dia. of Accumulator (mm)		φ31.8		φ70	φ65	φ89.1		φ80	φ89.1		
底脚角度 Angel between Base Foot and Suction (°)		90	85			90			45		
底脚安装半径 Radius of Base Foot (mm)		R75				R88.5			R105		
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)		89.0		100.5	98.6	125.0		120.0	142.2		
冷凝温度范围 Condensing Temp (°C)		≤80							≤75		
出水温度 Outlet Water Temp. (°C)		≤75							≤70		
外型图 Outline of Compressor		图六 (Picture 6)				图五 (Picture 5)					

注Note: ● 开发中的机型 In Development



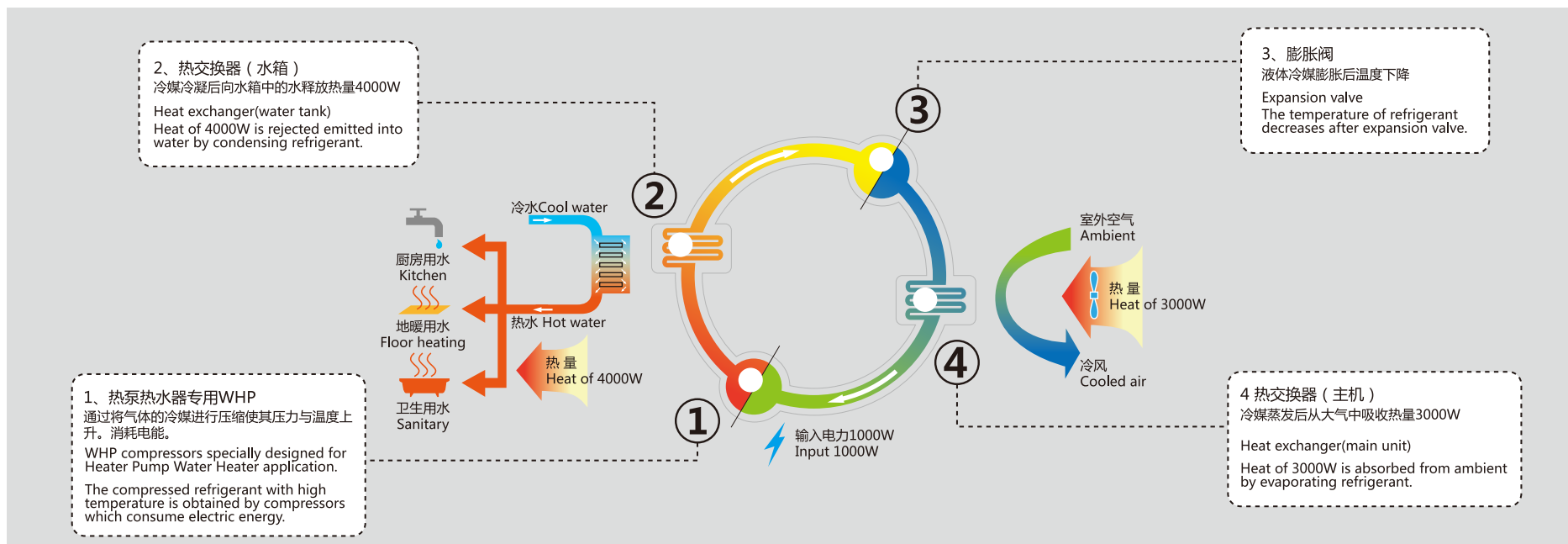
# 低GWP新冷媒直流变频采暖专用压缩机

Low GWP refrigerant compressor for HPWH

机型Model	WHP04200VRK	WHP05600VUK	WHP07850VUK	WHP09100VSD	WHP11500VSD	WHP15600VSD	WHP15600VSK	WHP23000VSDT	
排量Displacement (CC/rev)	11.1	14.1	18.6	22.6	30.7	42.0		55.0	
电源类型 Power Type	DC INVERT								
冷媒 Refrigerant	R410A/R452B/R454B/R454C						R410A/R32/R134a	R410A/R454B/R454C	
额定电流 Rated Current (A)	3.45	4.50	5.50	8.70	12.00	16.20	16.00	21.00	
额定输入功率 Rated Input (W)	1020	1345	1735	2200	2930	4160	4100	5290	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	4340	5622	7340	9235	12180	17400	22600	
	COP	4.25	4.18	4.23	4.20	4.19	4.18	4.27	
出水率 (升/小时) Outlet Capacity (Liter/Hour)	101	125	171	212	285	390		512	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	34	42	57	71	96	130		170	
电容 Capacitor ( μF/V )	---								
压缩机高度 Height of Compressor (A)(mm)	251.7	261.7		291.7	375.8	375.8	363.1	400.7	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ113.4					Φ140.1			
吸气口高度 Height of Suction ( C )(mm)	294.0		315.0	357.7	435.0	435.0	426.3	436.5	
储液器外径 Outside Dia. of Accumulator (mm)	Φ70		Φ80		Φ89.1				
底脚角度 Angel between Base Foot and Suction ( ° )	85				90				
底脚安装半径 Radius of Base Foot (mm)	R75				R88				
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	100.5		106.0		125.0				
冷凝温度范围 Condensing Temp (°C)	≤70						≤65		
出水温度 Outlet Water Temp. (°C)	≤65						≤60		
外型图 Outline of Compressor	图五 (Picture 5)								

注Note : ● 开发中的机型 In Development

## 热泵热水器原理 Principle of HPWH



## 全屋热水解决方案 Overall Hot Water Solution



**应用领域1：洗浴**  
热泵WHP产品规格齐全，可满足不同出水量的应用需求  
Application 1: Shower  
WHP models with a full line of specification cover different water amount demand



**应用领域2：厨卫**  
高出水温度，满足厨卫杀菌消毒卫生要求  
Application 2: Kitchen  
High outlet water temperature for sanitation and sterilization application



**应用领域3：地暖**  
高可靠性，满足冬季长时间恶劣工况运行  
Application 3: Floor heating  
High reliability for long time operation in winter.



**应用领域4：泳池**  
大规模压缩机设计，满足大制热量需求  
Application 4: Swimming pool  
high heating capacity model for large water flow rate application.



## 4倍寿命 4 Times Lifetime

适合热泵热水器夏季大流量、高负荷，冬季小流量、高压比恶劣工况，设计寿命十年以上，使用寿命约为目前普通压缩机的4倍

Suitable for rigorous conditions that the working pattern of HPWH is large flux, together with heavy load in summer and small flux, together with high compression ratio in winter. The lifetime achieves more than 10 years, approximately four times as long as current compressors of HPWH.

## 4倍能效 4 Times Efficiency

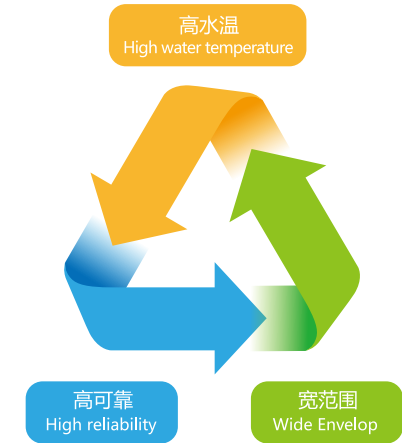
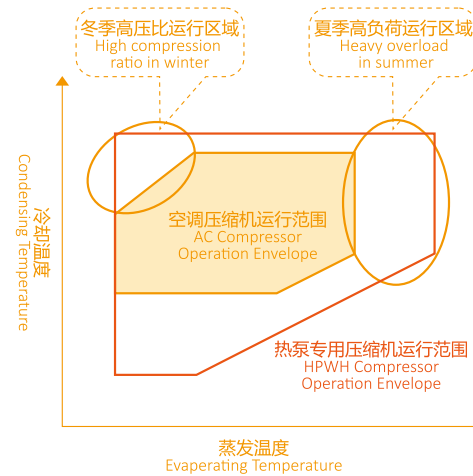
全年平均制热运行效率4.0以上，节能优势明显

Average COP of all-year heating is more than 4.0. Prominent advantage of energy saving is showed.

## 4季高效 High Efficiency in 4 Seasons

保障热泵热水器全年运行制热效率，特别冬季制热性能

Heating performance of whole year is guaranteed, especially in winter.



## 技术领先: Advanced technologies

使用环保冷媒 R134a, R417A, R290, CO<sub>2</sub>, R1234ze, R410A

Use eco-friendly refrigerant R134a, R417A, R290, CO<sub>2</sub>, R1234ze, R410A

精选特殊材料

Using special material

宽运行范围，高出水温度

Wide operation envelope, high outlet water temperature

泵体、电机设计优化，超精加工

Optimization of pump and motor, ultra precision machining

## 测试条件 Test Conditions

项目 Model	标准工况 Standard Condition	夏季工况 Summer Condition	冬季工况 Winter Condition	额定工况 Rated Condition
蒸发温度 Evaporating Temp	10°C	15°C	0°C	7.2°C
冷凝温度 Condensing Temp	55°C	55°C	55°C	54.4°C
过冷度 Sub cooling Temp	8.3°C	8.3°C	8.3°C	8.3°C
回气温度 return gas Temp	20°C	25°C	10°C	35°C/18.3°C (R32)
周围温度 Ambient Temp	35°C	35°C	15°C	35°C
风速 Wind Speed	2m/s	2m/s	2m/s	2m/s



## 热泵压缩机型谱 Capacity Distribution

电源 Power		冷媒 Refrigerant	制热量(KW)
定速 Constant Speed	220~240V, 1Φ, 50Hz	R134a/R513A/ R1234yf/R1234ze	3.57 6.3 8.6 12.2 18 25.3 33.6
		R22	10.2/12.2/14.5 16.2/21.1 32.5 42.9/44.6
		R290	2.72/5.0/5.86/8.0/8.9/10.4/13.5 47.0
		R410A(EVI)	42.0
		R410A	7.1/9.2/9.6/10.2/11.3/14.0 18.5/21.1 32.5
		R32	7.1/8.2/9.2/10.2 12.5/13.5 18.5/19.0/21.1 27.0 31.5 42.0
		CO <sub>2</sub>	3.3 6.5 9.8
	380V, 3Φ, 50Hz	R22	50.8 85.5
		R410A(EVI)	42.9 51.8 75.2
		R410A	41.8 51.8/55.0 59.0/65.0 75.2
		R32	44.0

注: ● 量产品 mass production ● 开发中 under developing

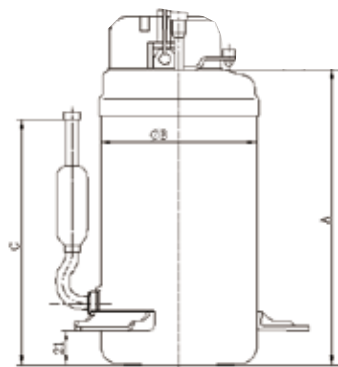


热泵压缩机型谱 Capacity Distribution

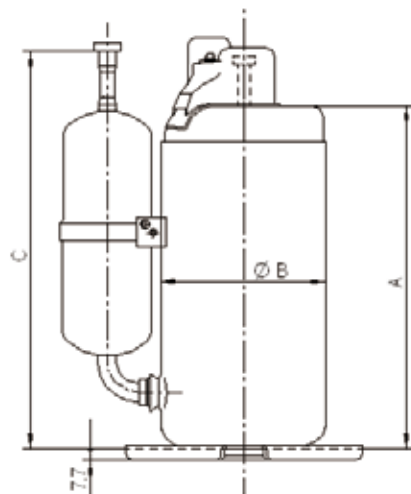
电源 Power		冷媒 Refrigerant	制热量(KW)
定速 Constant Speed	115~120V, 1Φ, 60Hz	R134a/R513A/ R1234yf	3.57 8.6
	208~230V, 1Φ, 60Hz	R134a	7.1/8.4 8.6/12.2 23.2
定速(卧式) Constant speed (horizontal)	220~240V, 1Φ, 50Hz	R134a	4.6/6.45/8.04
变频 Inverter	DC INV	R134a	5.86/8.04 10.2 15.1 25.3
		R410A	8.8 10.2 11.3 14.1 22.0 30.7 35.6 42.0 75.2
		R32	10.2 14.1 22.0 30.7 35.6 42.0
		R290	8.0 14.0 15.0 22.6 30.7 35.6 42.0 55.0 75.2 84.8
		R410A(EVI)	11.0 14.1 22.6 25.0 30.7 35.6 42.0 75.2 84.8

注note: ● 量产产品 mass production ● 开发中 under developing

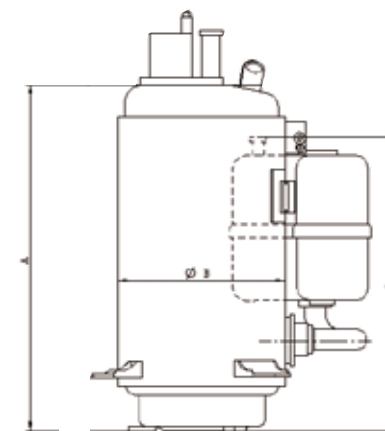
## WHP系列压缩机 WHP-Series Compressor



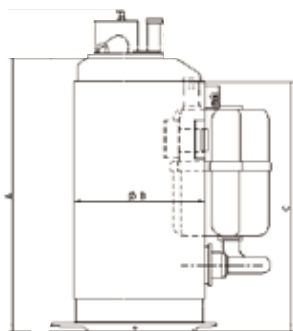
图一(Picture 1)



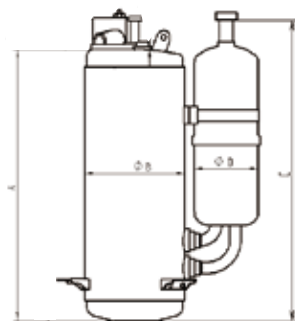
图二(Picture 2)



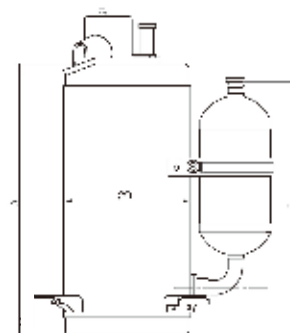
图三(Picture 3)



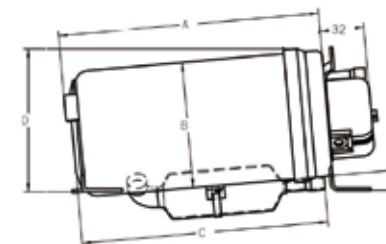
图四(Picture 4)



图五(Picture 5)



图六(Picture 6)



图七(Picture 7)

本样本中相关技术参数仅供参考，如需详细数据请与我司新兴事业部联系。  
The performance parameter is just for reference, please contact with us if you need details about the model.

机型Model	WHP00535PCV	WHP00950PSV	WHP01100PSV	WHP01550PSV ●	WHP01750PSV	WHP02000PSV	WHP02600PSV	WHP03300PSV	WHP09400PSV	
排量 Displacement (CC/rev)	2.72	5.00	5.86	8.00	8.90	10.40	13.50	17.00	47.00	
电源类型 Power Type	220~240V, 1Φ, 50Hz									
冷媒 Refrigerant	R290									
额定电流 Rated Current (A)	0.88	1.65	1.43	1.65	1.60	2.32	3.06	3.70	9.90	
额定输入功率 Rated Input (W)	180	231	303	365	405	490	629	792	2115	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	545	956	1128	1570	1740	1985	2605	3442	9375
	COP	3.03	4.14	3.72	4.30	4.30	4.05	4.14	4.34	4.43
标准工况 Standard Working Condition	制热量 Heating Capacity (W)	550	999	1173	1580	1745	2045	2683	3330	9790
	COP	3.15	4.29	3.82	4.35	4.36	4.18	4.26	4.35	4.57
夏季工况 Summer Condition	制热量 Heating Capacity (W)	615	1129	1347	1800	1994	2461	3230	3810	11095
	COP	3.76	4.85	4.39	4.85	5.00	4.83	4.92	5.00	5.2
冬季工况 Winter Condition	制热量 Heating Capacity (W)	430	777	872	1190	1309	1564	2070	2500	7290
	COP	2.33	3.47	2.91	3.35	3.37	3.30	3.35	3.38	3.54
出水率 (升/小时) Outlet Capacity (Liter/Hour)	8	18		22	24	39	53	65	190	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	—									
电容 Capacitor ( μF/V )	6.5/400	10/450	12/450	15/420		15/400	17/400	25/400	50/450	
压缩机高度 Height of Compressor (A)(mm)	155.5	209.7	190.7	209.7	255.5	227.9	227.9	238.4	358.9	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ92	Φ112.2	Φ94	Φ112.2	Φ112.2			Φ139.1		
吸气口高度 Height of Suction ( C )(mm)	131.0	165.1	132.0	203.0	199.0			230	399.5	
储液器外径 Outside Dia. of Accumulator (mm)	Φ18.85	Φ31.8					Φ80		Φ89.1	
底脚角度 Angel between Base Foot and Suction ( ° )	90							70		
底脚安装半径 Radius of Base Foot ( mm )	R60	R75					R88			
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	69	80	88				106	125		
冷凝温度范围 Condensing Temp (°C)	≤70			≤65	≤70			≤80	≤70	
出水温度 Outlet Water Temp. (°C)	≤65			≤60	≤65			≤75	≤65	
外型图 Outline of Compressor	图二 (Picture 2)								图五 (Picture 5)	

注Note: ● 开发中的机型 In Development  
变频机种测试转速3600rpm

# 超高效R134a冷媒压缩机

Ultra Efficiency R134a Compressor



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机型Model		WHP00680BUV	WHP00930BUV	WHP01900BUV	WHP02250BUV	WHP01900BHV	WHP02830VUX	WHP03970BHV	WHP04700BHV	
排量 Displacement (CC/rev)		4.6	6.3	12.2	14.5	12.2	18.0	25.3	30.0	
电源类型 Power Type		220~240V, 1Φ, 50Hz								
冷媒 Refrigerant		R134a								
额定电流 Rated Current (A)		0.85	1.10	2.20	2.40	2.20	3.10	4.25	5.00	
额定输入功率 Rated Input (W)		189	238	450	525	446	665	935	1075	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	714	951	1895	2205	1882	2805	3860	4635	
	COP	3.78	4.00	4.20	4.20	4.20	4.22	4.12	4.31	
标准工况 Standard Working Condition	制热量 Heating Capacity (W)	746	1003	1975	2280	1960	2915	4040	4935	
	COP	3.91	4.04	4.30			4.32	4.30	4.45	
夏季工况 Summer Condition	制热量 Heating Capacity (W)	871	1174	2240	2705	2240	3435	4785	5785	
	COP	4.49	4.7	4.87	5.01	4.87	4.99	5.09	5.14	
冬季工况 Winter Condition	制热量 Heating Capacity (W)	538	741	1370	1650	1365	2095	2915	3595	
	COP	3.02	3.14	3.24	3.33	3.24	3.30	3.37	3.47	
出水率 (升/小时) Outlet Capacity (Liter/Hour)		10	15	37	41	37	58	82	97	
匹配地暖面积 Floor Heating Area (m <sup>2</sup> )		—								
电容 Capacitor (μF/V)		6/450	10/450	15/420	20/420	20/450	25/420	35/450	45/450	
压缩机高度 Height of Compressor (A)(mm)		172.6	217.4	237.9	242.9	237.9	292.5		309.0	
压缩机外径 Outside Dia. of Compressor (B)(mm)		Φ92	Φ112.2			Φ129.1		Φ139.1		
吸气口高度 Height of Suction (C)(mm)		141.1	220.4	265.4	286	265.4	241.3		251.4	
储液器外径 Outside Dia. of Accumulator (mm)		Φ18.85	Φ65	Φ60.5	Φ80	Φ60.5	—			
底脚角度 Angel between Base Foot and Suction (°)		60	90			88	85	90		
底脚安装半径 Radius of Base Foot (mm)		R60	R75			R85	R88			
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)		68	98	93			88.9			
冷凝温度范围 Condensing Temp (°C)		≤80				≤90				
出水温度 Outlet Water Temp. (°C)		≤75				≤80				
外型图 Outline of Compressor		图一 (Picture 1)	图二 (Picture 2)			图三 (Picture 3)		图四 (Picture 4)		

注Note: ● 开发中的机型 In Development





机型Model	WHP00535VCV	WHP00930BSV	WHP01600BSV	WHP01900BSV	WHP02720BSV	WHP02830BSV	WHP03970BSV	WHP05100BSV	WHP06000BSX	WHP07650BSX	
排量 Displacement (CC/rev)	3.57	6.3	10.2	12.2	17.3	18.0	25.3	33.6	38.0	48.8	
电源类型 Power Type	220~240V, 1Φ, 50Hz								220~240V, 1Φ, 50/60Hz		
冷媒 Refrigerant	R134a										
额定电流 Rated Current (A)	0.85	1.20	2.00	2.20	3.20	3.20	4.50	6.10	6.20	9.10	
额定输入功率 Rated Input (W)	176	241	405	455	630	695	955	1300	1340	1875	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	556	941	1605	1825	2590	2815	3900	5270	5810	7625
	COP	3.16	3.90	3.96	4.00	4.11	4.05	4.10	4.05	4.34	4.07
标准工况 Standard Working Condition	制热量 Heating Capacity (W)	560	1005	1670	1965	2725	2930	4090	5555	6115	8105
	COP	3.13	4.02	4.02	4.15	4.22	4.28	4.25	4.20	4.38	4.23
夏季工况 Summer Condition	制热量 Heating Capacity (W)	680	1171	1950	2270	3220	3295	4835	6450	7095	9485
	COP	3.8	4.63	4.64	4.73	4.92	4.71	4.95	4.78	4.85	4.88
冬季工况 Winter Condition	制热量 Heating Capacity (W)	416	735	1220	1405	1970	2125	2990	3985	4385	5890
	COP	2.43	3.06	3.13	3.17	3.26	3.29	3.25	3.24	3.30	3.24
出水速率 (升/小时) Outlet Capacity (Liter/Hour)	6	15	31	37	53	58	85	110	125	165	
匹配地暖面积 Floor Heating Area (m <sup>2</sup> )	—					21	30	40	45	58	
电容 Capacitor (μF/V)	6.5/450	10/400	25/450	15/400	20/400	35/400	35/450	50/450	40/450	60/450	
压缩机高度 Height of Compressor (A)(mm)	152.1	195.0	231	232.9	256.0	277.5		289.0	320.9	372.7	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ92	Φ112.2			Φ118.2	Φ129.1		Φ139.1			
吸气口高度 Height of Suction (C)(mm)	141.1	198.4	214	270.3	245.5	241.3		249.9	345.4	412.8	
储液器外径 Outside Dia. of Accumulator (mm)	Φ18.85	Φ31.8		Φ60.5	Φ65	—			Φ80	Φ89.1	
底脚角度 Angel between Base Foot and Suction (°)	60	90	105	90	85			90	70		
底脚安装半径 Radius of Base Foot (mm)	R60	R75				R88					
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	68.0	89.0		93.0	99.0	88.9		94.0	125.5	125.0	
冷凝温度范围 Condensing Temp (°C)	≤80										
出水温度 Outlet Water Temp. (°C)	≤75										
外型图 Outline of Compressor	图一 (Picture 1)	图二 (Picture 2)			图六 (Picture 6)	图三 (Picture 3)		图四 (Picture 4)	图五 (Picture 5)		

注Note: ● 开发中的机型 In Development

# 多冷媒热水压缩机

Multi Refrigerant Compressor for HPWH



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机型 Model		WHP00535VCV	WHP00990VSV	WHP00930VUV	WHP01620VUV	WHP01620VUQ	WHP01900VUV	WHP02830VUX	WHP03970VUX	WHP05100VUX
排量 Displacement (CC/rev)		3.57	6.45	6.30	8.60		12.20	18.00	25.30	33.60
电源类型 Power Type		220~240V, 1Φ, 50Hz			115~120V, 1Φ, 60Hz	208-240V, 1Φ, 60Hz	220~240V, 1Φ, 50/60Hz			
冷媒 Refrigerant		R134a/R513A/R450A/R1234yf/R1234ze			R134a/R513A/R1234yf	R134a/R1234yf	R134a/R513A	R134a/R513A/R1234yf	R134a/R1234ze	R134a/R1234yf
额定电流 Rated Current (A)		0.85	1.47	1.10	3.11	3.00	2.20	3.05	4.20	5.53
额定输入功率 Rated Input (W)		176	275	238	368	377	450	665	910	1190
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	556	975	951	1577	1602	1895	2805	3860	5230
	COP	3.16	3.55	4.00	4.29	4.25	4.20	4.22	4.24	4.39
标准工况 Standard Working Condition	制热量 Heating Capacity (W)	560	1054	1003	1650	1670	1975	2915	4040	5490
	COP	3.13	3.63	4.04	4.32	4.26	4.30	4.32	4.40	4.46
夏季工况 Summer Condition	制热量 Heating Capacity (W)	680	1221	1174	1850	1860	2240	3435	4785	6460
	COP	3.80	4.19	4.70	4.89	4.85	4.87	4.99	5.09	5.13
冬季工况 Winter Condition	制热量 Heating Capacity (W)	416	768	741	1130	1140	1370	2095	2915	3990
	COP	2.43	2.75	3.14	3.25	3.23	3.24	3.30	3.37	3.47
出水率 (升/小时) Outlet Capacity (Liter/Hour)		6	16	15	30		37	58	82	113
匹配地暖面积 Floor Heating Area (m <sup>2</sup> )		—								
电容 Capacitor (μF/V)		6.5/450	7/450	10/450	35/450	12/450	15/420	25/420	35/450	45/450
压缩机高度 Height of Compressor (A)(mm)		152.1	185.1	217.4	227.9		237.9	292.5	287.5	304.0
压缩机外径 Outside Dia. of Compressor (B)(mm)		Φ92		Φ112.2			Φ129.1		Φ139.1	
吸气口高度 Height of Suction (C)(mm)		141.1	174.6	220.4	219.0		265.4	241.3		249.9
储液器外径 Outside Dia. of Accumulator (mm)		Φ18.85	Φ31.8	Φ65	Φ65		Φ60.5	—		
底脚角度 Angel between Base Foot and Suction (°)		60	90			88		85	90	
底脚安装半径 Radius of Base Foot (mm)		R60	R75			R85		R88		
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)		68.0	80.1	98.0		93.0	88.9		94.0	
冷凝温度范围 Condensing Temp (°C)		≤80								
出水温度 Outlet Water Temp. (°C)		≤75								
外型图 Outline of Compressor		图一 (Picture 1)		图二 (Picture 2)			图三 (Picture 3)		图四 (Picture 4)	

注 Note: ● 开发中的机型 In Development

机型Model	WHP00535VCR	WHP01620UVW	WHP01620BUX	WHP00680BSX	WHP01620BSQ	WHP02250BCN	WHP02350BSX	WHP04400BCN	WHP05100VUX	WHP06000BSX	
排量 Displacement (CC/rev)	3.57	8.60		4.60	8.60	12.20	14.50	23.20	33.60	33.60	
电源类型 Power Type	115~120V, 1Φ, 60Hz		220~240V, 1Φ, 50/60Hz		208~240V, 1Φ, 60Hz	208~230V, 1Φ, 60Hz			220~240V, 1Φ, 50/60Hz		
冷媒 Refrigerant	R134a	R134a/R513A/R1234yf	R134a								
额定电流 Rated Current (A)	1.04	3.11	1.54	1.04	1.88	2.70	3.19	5.20	6.90	6.20	
额定输入功率 Rated Input (W)	210	368	362	207	380	550	660	1065	1485	1340	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	660	1577	1577	714	1595	2235	2750	4365	6255	5810
	COP	3.15	4.29	4.36	3.45	4.20	4.06	4.18	4.10	4.21	4.34
标准工况 Standard Working Condition	制热量 Heating Capacity (W)	700	1650	1630	757	1641	2380	2925	4530	6490	6115
	COP	3.26	4.32	4.41	3.57	4.36	4.21	4.33	4.23	4.34	4.38
夏季工况 Summer Condition	制热量 Heating Capacity (W)	819	1850	1890	886	1923	2770	3400	5265	7545	7095
	COP	3.78	4.89	5.05	4.14	4.96	4.80	4.94	4.85	4.98	4.85
冬季工况 Winter Condition	制热量 Heating Capacity (W)	500	1130	1180	540	1185	1730	2125	3280	4700	4385
	COP	2.46	3.25	3.41	2.7	3.39	3.32	3.42	3.23	3.31	3.30
出水速率 (升/小时) Outlet Capacity (Liter/Hour)	9	30	32	10	32	44	54	95	136	125	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	—							33	47	45	
电容 Capacitor ( μF/V )	17/250	35/450	12/450	6/450	12/450	17/400	25/400	35/400	45/450	40/450	
压缩机高度 Height of Compressor (A)(mm)	143.0	227.9	237.9	163.2	227.9	232.9	218.0	277.5	293.4	320.9	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ92	Φ112.2		Φ92	Φ112.2			Φ129.1	Φ139.1		
吸气口高度 Height of Suction ( C )(mm)	131.0	219.0		141.1	223.9	270.3	231.0	241.3	323.3	345.4	
储液器外径 Outside Dia. of Accumulator (mm)	Φ18.85	Φ65		Φ18.85	Φ65		Φ35	Φ70	Φ80		
底脚角度 Angel between Base Foot and Suction ( ° )	60	90		60	90		105	85	70		
底脚安装半径 Radius of Base Foot (mm)	R60	75		R60	R75			R88			
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	68	98		68	98	93	89	88.9	120.5		
冷凝温度范围 Condensing Temp (°C)	≤65	≤80		≤70	≤80		≤75	≤80	≤70	≤80	
出水温度 Outlet Water Temp. (°C)	≤60	≤75		≤65	≤75		≤70	≤75	≤65	≤75	
外型图 Outline of Compressor	图一 (Picture 1)	图二 (Picture 2)		图一 (Picture 1)	图二 (Picture 2)			图六 (Picture 6)		图五 (Picture 5)	

注Note: ● 开发中的机型 In Development

# 高效R22冷媒压缩机

High Efficiency R22 Compressor



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机型 Model		WHP02300RCV	WHP02700RCV	WHP03200RSV	WHP03520RCV	WHP03500RCV	WHP04780RCV	WHP04700RCV	WHP07300RUV	WHP09500RCV	WHP09800RCV	WHP09800RCC	
排量 Displacement (CC/rev)		10.2	12.2	14.5	16.0	16.2	21.0	21.1	32.5	42.9	44.6		
电源类型 Power Type		220~240V, 1Φ, 50Hz										380V, 3Φ, 50Hz	
冷媒 Refrigerant		R22											
额定电流 Rated Current (A)		2.78	3.30	3.60	4.20	4.10	5.60	5.30	8.50	10.50	11.10	4.40	
额定输入功率 Rated Input (W)		577	670	775	905	870	1195	1160	1770	2290	2380	2310	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	2307	2700	3300	3550	3520	4775	4700	7310	9590	9930	9810	
	COP	4.00	4.03	4.13	3.92	4.05	4.00	4.05	4.13	4.19	4.17	4.25	
标准工况 Standard Working Condition	制热量 Heating Capacity (W)	2400	2810	3400	3820	3790	5120	5040	7900	10260	10400		
	COP	4.05	4.08	4.15	4.12	4.26	4.17	4.22	4.32	4.38	4.18		
夏季工况 Summer Condition	制热量 Heating Capacity (W)	2722	3185	3890	4400	4360	5855	5765	8855	11740	11930		
	COP	4.60	4.63	4.65	4.74	4.90	4.82	4.87	4.93	5.02	4.68		
冬季工况 Winter Condition	制热量 Heating Capacity (W)	1664	1950	2340	2900	2880	3860	3800	5935	7810	7900		
	COP	3.05	3.07	3.16	3.35	3.35	3.26	3.30	3.45	3.52	3.40		
出水率 (升/小时) Outlet Capacity (Liter/Hour)		32	37	45	49			66		100	134	139	
电容 Capacitor (μF/V)		17/450		30/400	30/450	35/450	45	35/400	40/450	65/450	50/450	-	
压缩机高度 Height of Compressor (A)(mm)		225.0	227.9	235.7	240.6	263.3	268.3	279.0	300.5	358.9			
压缩机外径 Outside Dia. of Compressor (B)(mm)		Φ112.2				Φ118.2	Φ118.2	Φ129.1			Φ139.1		
吸气口高度 Height of Suction (C)(mm)		265.4			272.4	276.0	250.8	272.3	273.5	392.98	399.0		
储液器外径 Outside Dia. of Accumulator (mm)		Φ64.5			Φ64.5	Φ70	Φ50.8	Φ70	Φ80	Φ89.1			
底脚角度 Angel between Base Foot and Suction (°)		90											
底脚安装半径 Radius of Base Foot (mm)		R75				R75/R88	R75	R88					
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)		93.0				102.5	92.0	109.0	120.5	125.0			
冷凝温度范围 Condensing Temp (°C)		≤70										≤65	
出水温度 Outlet Water Temp. (°C)		≤65										≤60	
外型图 Outline of Compressor		图二 (Picture 2)						图六 (Picture 6)			图五 (Picture 5)		

注Note: ● 开发中的机型 In Development



机型Model	WHP02400GCV	WHP03145GCV	WHP03050ASV	WHP03250ASV	WHP03650ASV	WHP04600ASV	WHP06670GUV	WHP06800ASV	WHP10100ASV	WHP13500GUV	WHP17500ASV	
排量Displacement (CC/rev)	7.1	9.2	9.6	10.2	11.3	14.0	18.5	21.1	32.5	41.8	51.8	
电源类型 Power Type	220~240V, 1Φ, 50Hz											
冷媒 Refrigerant	R410A/R32		R410A			R410A/R32	R410A					
额定电流 Rated Current (A)	3.20	3.70	3.65	4.07	4.30	5.40	6.95	8.25	12.30	16.60	20.00	
额定输入功率 Rated Input (W)	620	805	780	875	920	1155	1490	1750	2640	3470	4250	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	2180	2960	3050	3273	3590	4555	5930	6790	10500	13530	17830
	COP	3.52	3.68	3.92	3.74	3.90	3.94	3.98	3.88	3.98	3.90	4.19
出水率 (升/小时) Outlet Capacity (Liter/Hour)	46	60	62	65	72	90	115	135.8	210	270	355	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	16	20	22	24	26	32	40	48	75	96	125	
电容 Capacitor ( μF/V )	17/400	25/450	30/400			50/450	45/450	60/450	70/450	120/400	100/450	
压缩机高度 Height of Compressor (A)(mm)	210.9	229.1	249.1	239.1	249.1	261.0	289.0	314.0	375.8		414.6	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ113.4					Φ119.2	Φ129.1		Φ140.1		Φ167.6	
吸气口高度 Height of Suction ( C )(mm)	209.0	266.8	272.5				304.3		401.5	393.0	429.5	
储液器外径 Outside Dia. of Accumulator (mm)	Φ31.8	Φ60.5				Φ70			Φ89.1			
底脚角度 Angel between Base Foot and Suction ( ° )	30	90				35	90		70		45	
底脚安装半径 Radius of Base Foot (mm)	R75					R88					R105	
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	82.5	93.5				102.8	109.0		125.0		142.2	
冷凝温度范围 Condensing Temp (°C)	≤65		≤70				≤65	≤70				
出水温度 Outlet Water Temp. (°C)	≤60		≤65				≤60	≤65				
外型图 Outline of Compressor	图二 (Picture 2)					图六 (Picture 6)			图五 (Picture 5)			

注Note : ● 开发中的机型 In Development

# 高效R410A/R32冷媒压缩机

High Efficiency R410A/R32 Compressor



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机型 Model		VTH420UC	WHP17500ASC	WHP18000ASC	WHP19800ASC	WHP26000ASC
排量 Displacement (CC/rev)		41.8	51.8	55.0	59.0	75.2
电源类型 Power Type		380~415V, 3Φ, 50Hz				
冷媒 Refrigerant		R410A				
额定电流 Rated Current (A)		7.25	7.50	8.30	8.70	11.00
额定输入功率 Rated Input (W)		3350	4350	4490	4950	6450
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	13500	17500	17590	19800	25750
	COP	4.03	4.02	3.92	4.00	3.99
出热水率 (升/小时) Outlet Capacity (Liter/Hour)		270	350	396	515	
匹配地暖面积 Floor Heating Area (m <sup>2</sup> )		96	124	140	181	
电容 Capacitor (μF/V)		—				
压缩机高度 Height of Compressor (A)(mm)		375.8	414.6	400.7	445.2	
压缩机外径 Outside Dia. of Compressor (B)(mm)		Φ140.1	Φ167.6	Φ140.1	Φ167.6	
吸气口高度 Height of Suction (C)(mm)		393	429.5	422.1	434.8	
储液器外径 Outside Dia. of Accumulator (mm)		Φ89.1				
底脚角度 Angel between Base Foot and Suction (°)		70	45	90	45	
底脚安装半径 Radius of Base Foot (mm)		R88	R105	R88.5	R105	
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)		125.0	142.2	125.0	142.2	
冷凝温度范围 Condensing Temp (°C)		≤70				
出水温度 Outlet Water Temp. (°C)		≤65				
外型图 Outline of Compressor		图五 (Picture 5)				

注Note: ● 开发中的机型 In Development





机型 Model	WHP03400ARK	WHP04000VRK	WHP04430GRK	WHP04300ARK●	WHP05600AUK	WHP05600VUK	WHP06840GUK	WHP05800ARKR	WHP09100AUK	WHP09100GRK	
排量 Displacement (CC/rev)	8.8	10.2	11.3	14.1	14.5	22.6					
电源类型 Power Type	DC INVERT										
冷媒 Refrigerant	R410A/R32	R410A/R134a	R32	R410A/R32	R410A	R410A/R32/R134a	R32	R410A/R134a	R410A	R32	
额定电流 Rated Current (A)	2.88	3.35	3.45	3.85	4.50	4.60	4.43	4.05	8.00	8.20	
额定输入功率 Rated Input (W)	798	987	990	1044	1370	1330	1405	1360	2115	2060	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	3438	4035	4370	4384	5755	5570	6130	5875	9100	9010
	COP	4.31	4.09	4.41	4.20	4.20	4.19	4.37	4.32	4.30	4.37
出热水率 (升/小时) Outlet Capacity (Liter/Hour)	71	84	90	100	120	125	184				
匹配地暖面积 Floor Heating Area (m <sup>2</sup> )	24	28	30	40	43	45	63				
电容 Capacitor (μF/V)	---										
压缩机高度 Height of Compressor (A)(mm)	230.9	226.5	235.5	261.7	235.5	291.7					
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ113.4										
吸气口高度 Height of Suction (C)(mm)	271.0	268.1	273.0	306.0	294.0	306.0	278.0	357.7			
储液器外径 Outside Dia. of Accumulator (mm)	Φ65			Φ80	Φ70	Φ80	Φ70	Φ80			
底脚角度 Angel between Base Foot and Suction (°)	90	85					90	35			
底脚安装半径 Radius of Base Foot (mm)	R75							R88			
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	98			106							
冷凝温度范围 Condensing Temp (°C)	≤70		≤65		≤70		≤65		≤70		
出水温度 Outlet Water Temp. (°C)	≤65		≤60		≤65		≤60		≤65		
外型图 Outline of Compressor	图四 (Picture 4)				图五 (Picture 5)			图四 (Picture 4)	图五 (Picture 5)		

注Note: ● 开发中的机型 In Development  
变频机种测试转速3600rpm

## 热泵烘干用压缩机特点

Compressors for Heat Pump Dryer

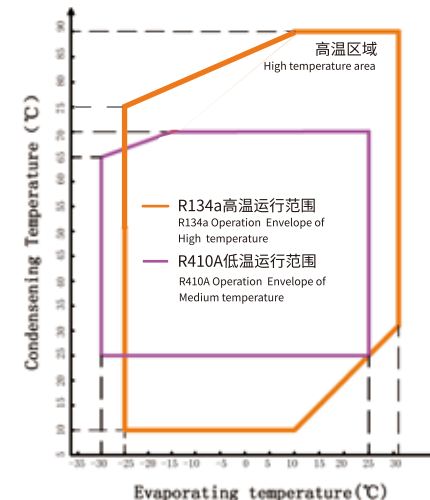


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满足当前市场烘干机大部分领域需求，如各种果蔬产品、风干肉食、水产、中药材、烟草及茶叶、木材、衣物以及工业烘干等。

Meet mostly demand of current drying application, such as fruit & vegetable drying meat drying, fish drying, Chinese traditional medicine drying, tobacco & tea drying, wood drying, cloth drying, industrial drying.

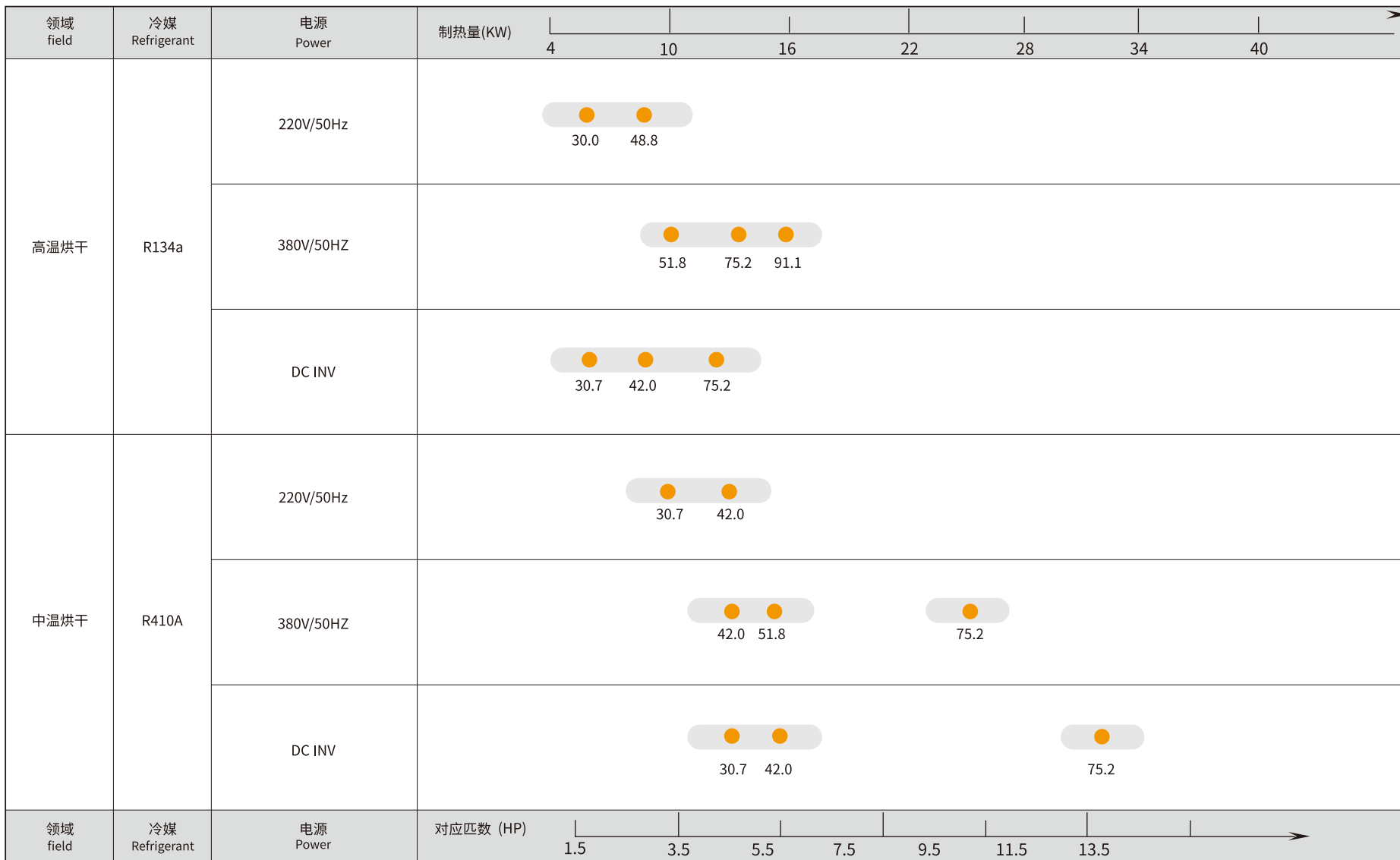
- 采用环保冷媒，利用热泵原理，全年平均制热运行效率 4.0 以上；  
Environment friendly refrigerant is used; the annual heating COP can achieve above 4.0 via heat pump work theory.
- 结合高温热泵及喷气增焓技术，冷凝温度高达 90°C；  
Condensing temperature can reach 90°C by EVI technology.
- 精选材料及优化结构，满足高温下的连续运行，设计寿命 10 年以上；  
Material is precisely selection and structure is optimized. Designed lifetime is more than 10 years to meet the continuous running in high temperature condition.
- 变频机型通过电控精确调节各设备的运行情况，有效控制烘干参数，保证烘干室温度在 20-85°C 之间，满足大多数物料的高质量烘干。  
Variable speed models can control the drying parameters precisely by adjusting the equipment running condition. The drying room temperature can be controlled between 20-85°C. High quality drying process can be achieved.



- 环保冷媒  
Use eco-friendly refrigerant
- 4 倍能效  
4 Times Efficiency
- 运行范围宽  
Wide operation envelope
- 高可靠性  
High reliability
- 产品变频化  
Inverter technology involved



热泵烘干压缩机型谱 Capacity Distribution



# R134a高温系列及R410A中温系列

R134a High Temperature Series & R410A Medium Temperature Series



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型号 Model	适用冷媒 Refrigerant	电源 Power	排气量(cc) Displacement	制热量(W) Heating Capacity	制热COP COP	转速范围(rpm) Speed Range	最高烘干温度(°C) Highest Drying Temp	尺寸A/B(mm) Size	
WHP04700BHV	R134a	1Φ,220-240V	30.0	4725	4.31	—	85	434.8/441.1	
WHP07650BSX	R134a	1Φ,220-240V	48.8	7700	4.05				
WHP19460VEC	R134a	3Φ, 380V	91.1	14950	4.10				
WHP19000BSC	R134a	3Φ, 380V	108.0	17800	4.10				
WHP21000BSC	R134a	3Φ, 380V	126.0	20800	4.10				
WHP10100ASV	R410A	1Φ,220-240V	30.7	10190	3.76		65	402.0/375.8	
WHP13500AEV	R410A	1Φ,220V	42.0	13700	3.60			396.5/375.8	
WHP16000AEM	R410A	3Φ, 380V	42.0	13700	3.76			416.9/414.6	
WHP17500ASC	R410A		51.8	18000	4.01				
	R134a		8000						
WHP26000AEC	R410A	75.2	25900	3.89	65	434.8/445.2			
	R134a		12000		85				
WHP11500VSDP	R410A	DC INV	30.7	12670@3600	4.00	900-7200	65	438.0/375.8	
	R134a			5200@3600			85		
WHP15600VSDP	R410A		42.0	17400@3600	3.86		65		
	R134a			7000@3600			85		
WHP23000VSDT	R410A		55.0	22600@3600	4.27		65		
	R134a			10465@3600			85		
WHP28600ASKT	R410A		63.9	25200@3600	4.20		65		
	R134a			12160@3600			85		
WHP32900VSKT	R410A		75.2	32805@3600	4.08		65		439.8/446.5
	R134a			14800@3600			85		
WHP37600AEKT	R410A	84.8	37205@3600	3.94	65	443.0/445.3			

注：上表数据试验条件为ASHRAE/T工况



机型Model	WHP02400GCV	WHP02900GCV	WHP03145GCV	WHP04350GLV	WHP04800GUV	WHP06670GLV	WHP06800ASV	WHP09740GUV	WHP11270GUV	WHP13500GLV	WHP15860GUC	
排量Displacement (CC/rev)	7.1	8.2	9.2	12.5	13.5	18.5	21.1	27.0	31.5	42.0	44.0	
电源类型 Power Type	220~240V, 1Φ, 50Hz										380V, 3Φ, 50Hz	
冷媒 Refrigerant	R32/R410A	R32	R32/R410A							R32		
额定电流 Rated Current (A)	3.20	3.50	3.86	5.10	6.00	6.15	8.25	11.20	13.00	17.00	7.50	
额定输入功率 Rated Input (W)	670	740	875	1100	1160	1701	1885	2410	2800	3680	3900	
额定工况 Rated Working Condition	制热量 Heating Capacity (W)	2380	2740	3145	4160	4460	6431	7325	7040	10900	14280	15300
	COP	3.55	3.70	3.59	3.78	3.84	3.78	3.89	3.92	3.90	3.88	3.92
出水速率 (升/小时) Outlet Capacity (Liter/Hour)	—	56	60	86	—			146	227	—	318.0	
匹配地暖面积 Floor Heating Area ( m <sup>2</sup> )	—	23.5	—	30	—			50	78	—	109	
电容 Capacitor ( μF/V )	17/450		25/450	30/450		45/450	60/450	60/450	70/450	90/450	—	
压缩机高度 Height of Compressor (A)(mm)	219.0	238.8	229.1	241.0		289.0	314.0	380.4	375.8	375.8	414.6	
压缩机外径 Outside Dia. of Compressor (B)(mm)	Φ113.4				Φ119.2	Φ129.1		Φ140.1			Φ167.6	
吸气口高度 Height of Suction ( C )(mm)	208.00	238.10	266.80	250.50	242.10	304.30		404.08	401.48	393.00	423.60	
储液器外径 Outside Dia. of Accumulator (mm)	Φ31.8		Φ60		Φ70			Φ90			Φ89.1	
底脚角度 Angel between Base Foot and Suction ( ° )	30		90		85	90	70			45		
底脚安装半径 Radius of Base Foot (mm)	R75					R88					R105	
吸气管与壳体中心距离 Distance between Suction and Shell Centre (mm)	89.0	90.0	93.0		102.8	109.0		125.0			142.2	
冷凝温度范围 Condensing Temp (°C)	≤65											
出水温度 Outlet Water Temp. (°C)	≤60											
外型图 Outline of Compressor	图五 (Picture 5)											

注Note : ● 开发中的机型 In Development  
变频机种测试转速3600rpm

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