

HIGHLY

HIGHLY ROTARY COMPRESSORS

- Commercial/Domestic Heat Pumps
- Water Heaters
- Drying / Dryers
- Telecom Applications
- Refrigeration

- Twin cylinder and inverter technology
- Compressors with low noise and vibrations
- Special Lubricating oil
- Optimization of the oil supply circuit
- Heating capacities from 1kW to 26kW



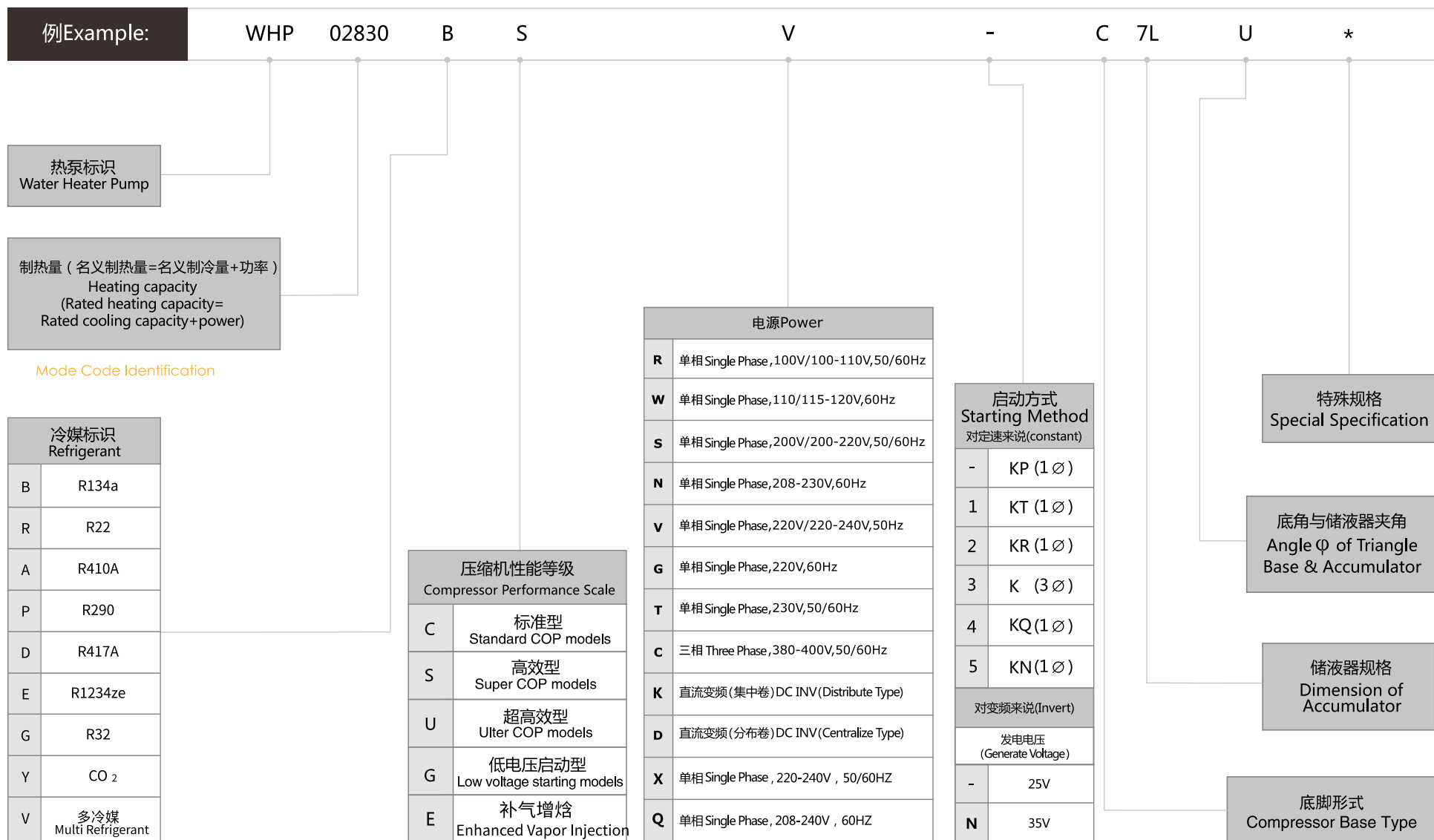
HIGHLY R290 INVERTER COMPRESSOR - Heating

Compressor Series	Compressor Model (R290)	Cylinder	Displacement (cc/rev)	Heating Capacity (W)	Heating Capacity (Btu/h)	COP (heating)	Rated Speed (RPM)	Testing Condition	Height (mm)
SD	WHP03300PRKQA6JT6	Single cylinder	14,0	3389	11563	4,78	3600	ASHRAE/T	253,5
TD	WHP03600PRKQA7JT6	Twin cylinder	15,0	3570	12181	4,35	3600	ASHRAE/T	308,7
TD	WHP05500PUKPA6NT6	Twin cylinder	22,6	5355	18271	4,66	3600	ASHRAE/T	338,7
TH	WHP07600PSDPC9KQ	Twin cylinder	30,7	7475	25505	4,73	3600	ASHRAE/T	353,6
TH	WHP10200PSDPC9KQ	Twin cylinder	41,8	10180	34734	4,66	3600	ASHRAE/T	353,6
TH	WHP13300PSDPC8FQ	Twin cylinder	54,8	13320	45448	4,65	3600	ASHRAE/T	383,5
TE	WHP32900PSKTQ9JK	Twin cylinder	75,2	19045	64982	4,55	3600	ASHRAE/T	512,0
TE	WHP37600PSKTQ9JK	Twin cylinder	84,8	21830	74484	4,55	3600	ASHRAE/T	512,0

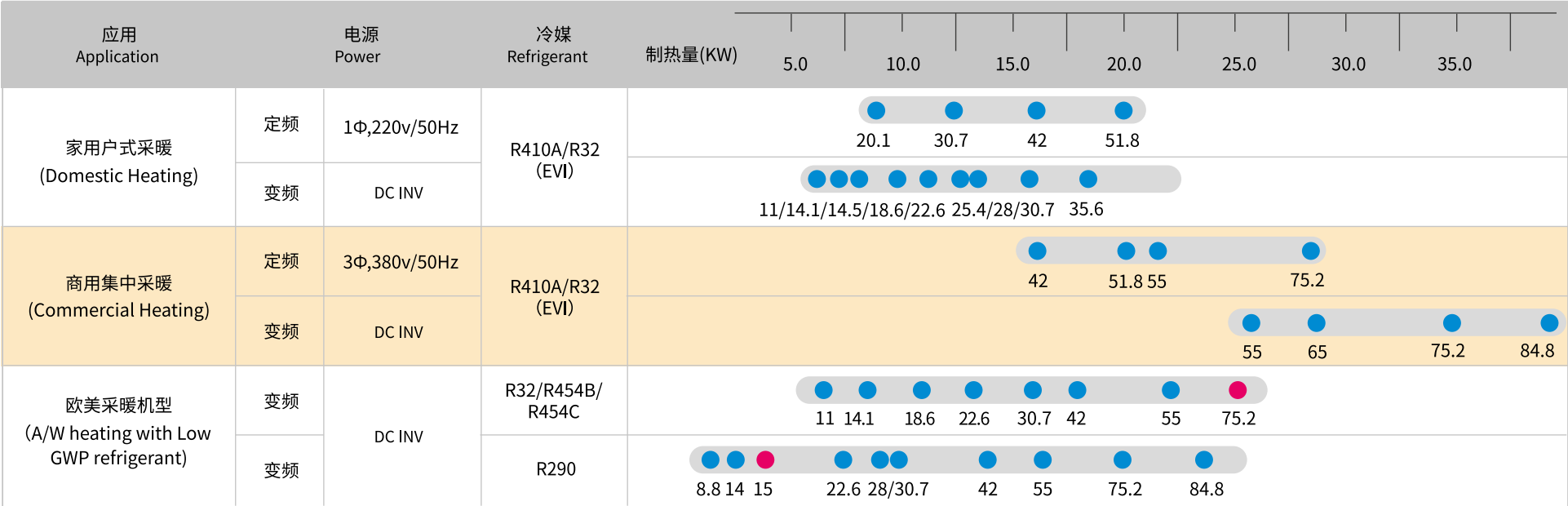
HIGHLY R290 INVERTER COMPRESSOR - Cooling

Compressor Series	Compressor Model (R290)	Cylinder	Displacement (cc/rev)	Cooling Capacity (W)	Cooling Capacity (Btu/h)	COP (Cooling)	Rated Speed (RPM)	Testing Condition	Height (mm)
SD	WHP03300PRKQA6JT6	Single cylinder	14,0	2680	9144	3,78	3600	ASHRAE/T	253,5
TD	WHP03600PRKQA7JT6	Twin cylinder	15,0	2749	9381	3,35	3600	ASHRAE/T	308,7
TD	WHP05500PUKPA6NT6	Twin cylinder	22,6	4206	14350	3,66	3600	ASHRAE/T	338,7
TH	WHP07600PSDPC9KQ	Twin cylinder	30,7	5895	20113	3,73	3600	ASHRAE/T	353,6
TH	WHP10200PSDPC9KQ	Twin cylinder	41,8	7995	27280	3,66	3600	ASHRAE/T	353,6
TH	WHP13300PSDPC8FQ	Twin cylinder	54,8	10455	35674	3,65	3600	ASHRAE/T	383,5
TE	WHP32900PSKTQ9JK	Twin cylinder	75,2	14859	50700	3,55	3600	ASHRAE/T	512,0
TE	WHP37600PSKTQ9JK	Twin cylinder	84,8	17032	58114	3,55	3600	ASHRAE/T	512,0

压缩机编号方法 Model code identification

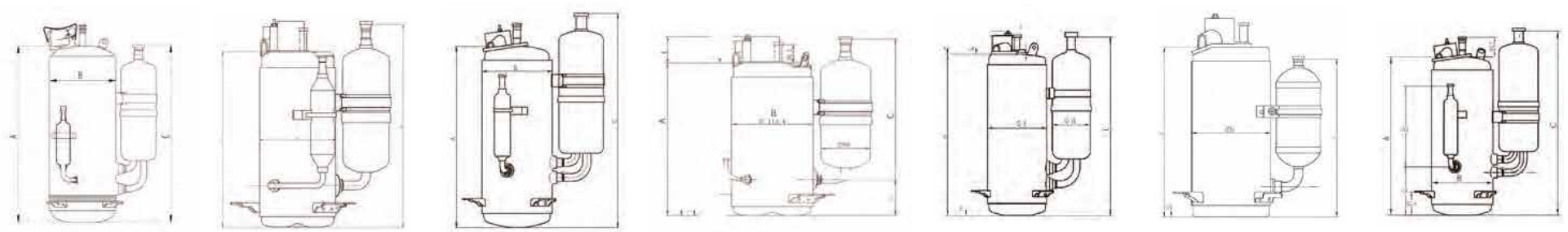


采暖压缩机型谱 Capacity Distribution



注note: ●量产品 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.

机 型 Model		WHP04200AEKQ	WHP05600AEKR	WHP05800AEKR	WHP07850AEKR	WHP09100AEKP	WHP09100GEK	WHP12900GEKP	WHP11500AEDP
排量 (CC/rev) Displacement (CC/rev)		11.0	14.1	14.5	18.6	22.6		28.0	30.7
电源类型 Power Type		DC INVERT							
冷媒 Refrigerant		R410A/R32			R410A	R410A/R32			R410A
额定电流 (A) Rated Current (A)		3.60	4.70	4.05	5.65	8.20	8.90	10.00	12.00
额定输入功率 (W) Rate Input (W)		1045	1380	1380	1830	2230	2260	2770	3150
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	4335	5620	5875	7421	9100	9370	11102	12750
	COP	4.15	4.07	4.26	4.05	4.08	4.15	4.01	4.05
-12℃采暖工况 Heating Working Condition	制热量(W) Heating Capacity(W)	3300	4215	4335	5560	6825	7850	8650	9500
	COP	2.82	2.77	2.90	2.75	2.77	2.73	2.75	2.75
匹配地暖面积 (m²) Floor Heating Area(m²)		34	42		55	68		86	96
电 容 Capacitor (uF/V)		—							
压缩机高度(A)(mm) Height of Compressor(A)(mm)		261.7		235.5	261.7	291.7		375.8	
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ113.4							Φ140.1
吸气口高度(C)(mm) Height of Suction(C)(mm)		294.0		278.0	303.0	357.7	435.0		
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ70				Φ80		Φ89.1	
底脚角度 (°) Outside Dia. of Accumulator (°)		85		90	85			90	
底脚安装半径(mm) Radius of Base Foot(mm)		R75						R88.5	
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		100.5				106.0		125.0	
冷凝温度范围(℃) Condensing Temp.(℃)		≤70		≤65	≤70				
出水温度(℃) Outlet Water Temp.(℃)		≤65		≤60	≤65				
外型图 Profile Drawing		图二 (Picture 2)	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

机 型 Model		WHP11500AEK	WHP13100AEDP	WHP15600AEDP	WHP15600AEK	WHP15600AEDT	WHP23000GEKR	WHP28600AEKT	WHP32900AEKT	WHP37600AEKT
排量 (CC/rev) Displacement (CC/rev)		30.7	35.6	42.0			55.0	63.9	75.2	84.8
电源类型 Power Type		DC INVERT								
冷媒 Refrigerant		R410A/R32	R410A		R410A/R32	R410A	R410A/R32			
额定电流 (A) Rated Current (A)		12.00	14.90	18.00	16.70	18.00		19.00	24.00	27.00
额定输入功率 (W) Rate Input (W)		2850	3850	4580	4160	4500	5800	6645	8065	9000
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	12830	14850	17470	17220	17600	23400	25900	32825	37000
	COP	4.20	3.86	3.84	4.14	3.91	4.03	4.20	4.07	4.05
-12℃采暖工况 Heating Working Condition	制热量(W) Heating Capacity(W)	9500	11000	13000	13000	13100	17400	19260	24500	27600
	COP	2.80	2.71	2.70	2.80		2.75	2.85	2.80	
匹配地暖面积 (m²) Floor Heating Area(m²)		96	112	130			173	190	232	
电 容 Capacitor (uF/V)		—								
压缩机高度(A)(mm) Height of Compressor(A)(mm)		375.8					400.7	430.5	446.5	
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ140.1							Φ167.6	
吸气口高度(C)(mm) Height of Suction(C)(mm)		435.0		438.0			436.5	467.9	439.8	
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ89.1								
底脚角度 (°) Outside Dia. of Accumulator (°)		90							45	
底脚安装半径(mm) Radius of Base Foot(mm)		R88.5							R105	
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		125							142.2	
冷凝温度范围(℃) Condensing Temp.(℃)		≤70					≤65		≤70	
出水温度(℃) Outlet Water Temp.(℃)		≤65					≤60		≤65	
外型图 Profile Drawing		图三 (Picture 3)						图一 (Picture 1)		

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

机型 Model		WHP10100AEV	WHP13500AEV	WHP14500AEV	WHP17500AEV	WHP16000AEM	WHP18000AEC	WHP17500AEC	WHP19800AEC	WHP26000AEC
排量 (CC/rev) Displacement (CC/rev)		30.7	42.9	45.4	51.8	42.0	55.0	51.8	59.0	75.2
电源类型 Power Type		220~240V, 1Φ, 50Hz				380~415V, 3Φ, 50Hz				
冷媒 Refrigerant		R410A								
额定电流 (A) Rated Current (A)		12.70	18.00	19.00	21.20	7.80	8.60	7.90	9.00	11.70
额定输入功率 (W) Rate Input (W)		2710	3900	4090	4600	3700	4755	4530	5210	6800
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	10190	13960	14540	17540	13800	17605	17850	20090	26100
	COP	3.76	3.6	3.56	3.81	3.70		3.94	3.86	3.84
-12℃采暖工况 Heating Working Condition	制热量(W) Heating Capacity(W)	6400	8700	9200	11300	8650	11000	11200	12870	16400
	COP	2.66	2.60		2.68	2.62		2.72	2.70	
匹配地暖面积 (m²) Floor Heating Area(m²)		77	107	113	126	105	125		142	182
电容 Capacitor (uF/V)		70/450	120/400		100/450	—				
压缩机高度(A)(mm) Height of Compressor(A)(mm)		375.8			414.6	375.8	400.7	414.6		445.2
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ140.1							Φ167.6	
吸气口高度(C)(mm) Height of Suction(C)(mm)		401.5	394.0	397.5	429.5	394.0	422.1	429.5		434.8
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ89.1								
底脚角度 (°) Outside Dia. of Accumulator (°)		90			45		90	45		
底脚安装半径(mm) Radius of Base Foot(mm)		R88.5			R105		R88.5	R105		
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		125			142.2		125	142.2		
冷凝温度范围(℃) Condensing Temp.(℃)		≤70					≤65	≤70		
出水温度(℃) Outlet Water Temp.(℃)		≤65					≤60	≤65		
外型图 Profile Drawing		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		WHP09100GXX	WHP11500GUD	WHP15600ASD	WHP15600VSK	WHP23000VSD
排量 (CC/rev) Displacement (CC/rev)		22.6	30.7	42.0		55.0
电源类型 Power Type		DC INVERT				
冷媒 Refrigerant		R410A/R32		R410A	R410A/R32/R134a	R410A/R454B/R454C/R134a
额定电流 (A) Rated Current (A)		6.00	12.00	16.20	16.00	21.00
额定输入功率 (W) Rate Input (W)		2080	2930	4160	4100	5290
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	9030	12180	17400		22600
	COP	4.35	4.19	4.18	4.24	4.27
出热水率 （升/小时） Outlet Capacity(Liter/Hour)		184	285	390		512
匹配地暖面积 （m²） Floor Heating Area(m²)		63	96	130		170
电 容 Capacitor （uF/V）		—				
压缩机高度(A)(mm) Height of Compressor(A)(mm)		273.7	375.8			400.7
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ113.4	Φ140.1			
吸气口高度(C)(mm) Height of Suction(C)(mm)		323.2	435.0			396.6
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ80	Φ89.1			Φ80
底脚角度 （° ） Outside Dia. of Accumulator （° ）		50	90			
底脚安装半径(mm) Radius of Base Foot(mm)		R87.5	R88			
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		106	125			121
冷凝温度范围(℃) Condensing Temp.(℃)		≤65	≤70			≤65
出水温度(℃) Outlet Water Temp.(℃)		≤60	≤65			≤60
外型图 Profile Drawing		图五 （Picture 5）				

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

机 型 Model		WHP02000PCK	WHP03300PRK	WHP03600PRK	WHP05500PUK	WHP07600PSK	WHP07600PSD
排量 (CC/rev) Displacement (CC/rev)		8.8	14.0	15.0	22.6	28.0	30.7
电源类型 Power Type		DC INVERT					
冷媒 Refrigerant		R290					
额定电流 (A) Rated Current (A)		1.63	2.53	2.50	4.70	5.10	6.40
额定输入功率 (W) Rate Input (W)		450	709	820	1140	1453	1580
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	2100	3389	3854	5420	6658	7475
	COP	4.67	4.78	4.70	4.75	4.58	4.73
出热水率 （升/小时） Outlet Capacity(Liter/Hour)		36	73		110	136	150
匹配地暖面积 （m²） Floor Heating Area(m²)		—					
电 容 Capacitor （uF/V）		—					
压缩机高度(A)(mm) Height of Compressor(A){mm}		200.0	226.5	308.7	338.7	322.0	322.9
压缩机外径(B)(mm) Outside Dia. of Compressor(B){mm}		Φ113.4					Φ140.1
吸气口高度(C)(mm) Height of Suction(C){mm}		202.0	200.0	294.0	291.7	325.0	385.6
储液器外径(D)(mm) Outside Dia. of Accumulator(D){mm}		Φ31.8		Φ70	Φ65	Φ64	Φ89.1
底脚角度 （° ） Outside Dia. of Accumulator （° ）		90	85				90
底脚安装半径(mm) Radius of Base Foot(mm)		R75					R88.5
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L){mm}		89.0		100.5	98.6	96.0	125.0
冷凝温度范围(℃) Condensing Temp.{℃}		≤80					
出水温度(℃) Outlet Water Temp.{℃}		≤75					
外型图 Profile Drawing		图五 （Picture 5）					

注Note：●开发中的机型 In Development

机型 Model		WHP10200PSK	WHP10200PSD	WHP13300PSK	WHP13300PSD	WHP018600PSKT	WHP32900VSKT	WHP37600PSKT
排量 (CC/rev) Displacement (CC/rev)		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 (A) Rated Current (A)		9.80	8.80	8.60	11.50	112.90	14.50	16.50
额定输入功率 (W) Rate Input (W)		2120	2210	2850	2860	4185	4300	4820
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	10020	10200	13310	13300	19045	19050	21830
	COP	4.73	4.61	4.67	4.65	4.55	4.43	4.53
出热水率 （升/小时） Outlet Capacity(Liter/Hour)		205		270		380		430
匹配地暖面积 （m²） Floor Heating Area(m²)		75		96		130		160
电容 Capacitor （uF/V）		—						
压缩机高度(A)(mm) Height of Compressor(A)(mm)		370.0	331.8	357.8	352.8	443.0		
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ140.1				Φ167.6		
吸气口高度(C)(mm) Height of Suction(C)(mm)		311.4	393.5	388.6	383.6	439.8		445.3
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ89.1		Φ80		Φ89.1		
底脚角度（°） Outside Dia. of Accumulator（°）		90				45		
底脚安装半径(mm) Radius of Base Foot(mm)		R88.5				R105		
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		125		120		142.2		
冷凝温度范围(℃) Condensing Temp.(℃)					≤80		≤75	
出水温度(℃) Outlet Water Temp.(℃)					≤75		≤70	
外型图 Profile Drawing		图五（Picture 5）						

注Note : ●开发中的机型 In Development

机型 Model		WHP04200VRK	WHP05600VUK	WHP07850VUK	WHP09100VSK	WHP11500VSD	WHP15600VSD	WHP15600VSK	WHP23000VSDT
排量 (CC/rev) 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/R454B/R454C						R410A/R32/R134a	R410A/R454B/R454C
额定电流 (A) 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 (W) Rate Input (W)		1020	1345	1735	2200	2930	4160	4100	5290
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	4340	5622	7340	9235	12180	17400		22600
	COP	4.25	4.18	4.23	4.20	4.19	4.18	4.24	4.27
出热水率 （升/小时） Outlet Capacity(Liter/Hour)		101	125	171	212	285	390		512
匹配地暖面积（m²） Floor Heating Area(m²)		34	42	57	71	96	130		170
电容 Capacitor（uF/V）		—							
压缩机高度(A)(mm) Height of Compressor(A)(mm)		251.7	261.7		291.7	375.8		363.7	400.7
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ113.4				Φ140.1			
吸气口高度(C)(mm) Height of Suction(C)(mm)		294.0		315.0	357.7	435.0		426.3	436.5
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ70		Φ80		Φ89.1			
底脚角度（°） Outside Dia. of Accumulator（°）		85				90			
底脚安装半径(mm) Radius of Base Foot(mm)		R75				R88			
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		100.5		106.0		125			
冷凝温度范围(℃) Condensing Temp.(℃)		≤70						≤65	
出水温度(℃) Outlet Water Temp.(℃)		≤65						≤60	
外型图 Profile Drawing		图五（Picture 5）							

注Note : ●开发中的机型 In Development

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.

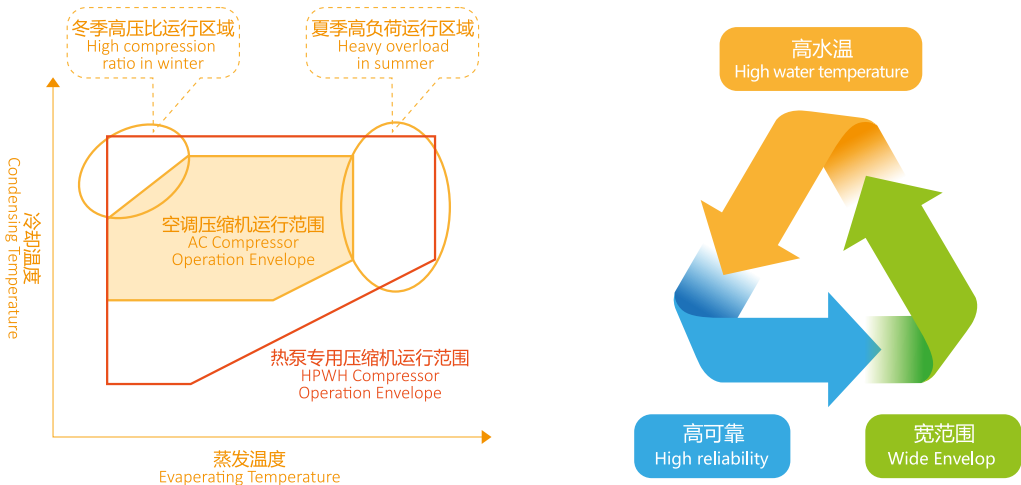
技术领先 Advanced technologies

使用环保冷媒R134a，R417A，R290，CO₂，R1234ze, R410A
Use eco-friendly refrigerant R134a,R417A,R290 ,CO₂ , 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

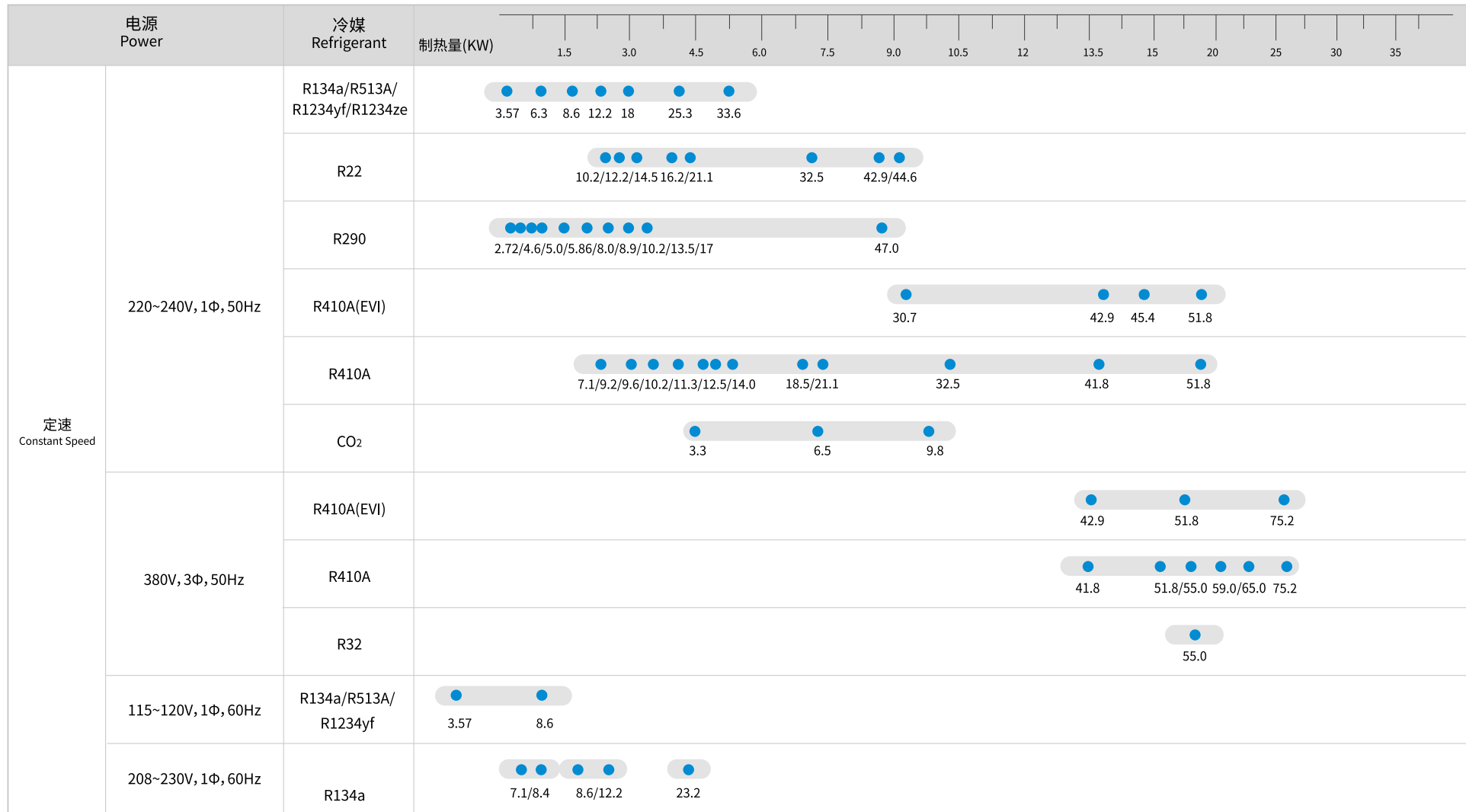
泵体、电机设计优化，超精加工
Optimization of pump and motor，ultra precision machining



测试条件 Test Conditions

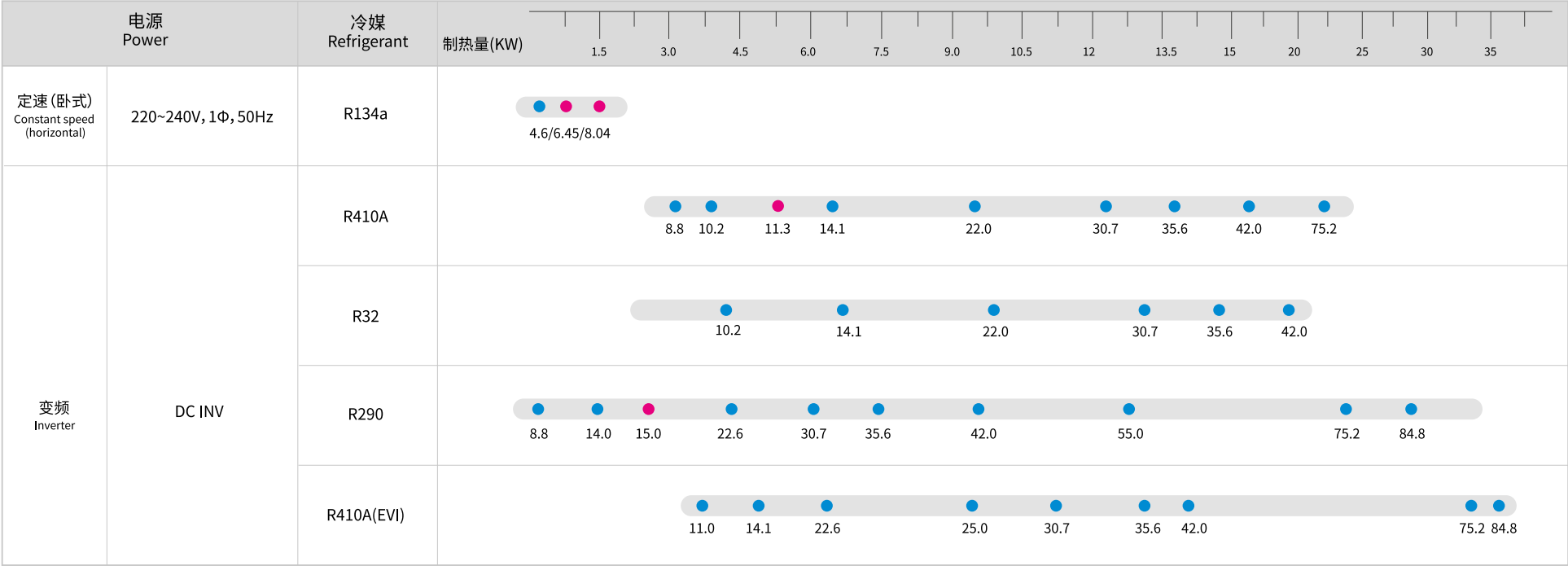
项目 Model	标准工况 Standard Condition	夏季工况 Summer Condition	冬季工况 Winter Condition	额定工况 Rated Condition
蒸发温度 Evaporating Temp	10℃	15℃	0℃	7.2℃
冷凝温度 Condensing Temp	55℃	55℃	55℃	54.4℃
过冷度 Sub cooling Temp	8.3℃	8.3℃	8.3℃	8.3℃
回气温度 return gas Temp	20℃	25℃	10℃	35℃/18.3℃ (R32)
周围温度 Ambient Temp	35℃	35℃	15℃	35℃
风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

热泵压缩机型谱 Capacity Distribution



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

热泵压缩机型谱 Capacity Distribution



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

机型 Model		WHP00535PCV	WHP00880PUV	WHP00950PSV	WHP01100PSV	WHP01550PSV	WHP01750PSV	WHP02000PSV	WHP02600PSV	WHP03300PSV	WHP09400PSV
排量 (CC/rev) Displacement (CC/rev)		2.72	4.60	5.00	5.86	8.00	8.90	10.20	13.50	17.00	47.00
电源类型 Power Type		220~240V, 1Φ, 50Hz									
冷媒 Refrigerant		R290									
额定电流 (A) Rated Current (A)		0.88	0.96	1.65	1.43	1.65	1.60	2.32	3.06	3.70	9.90
额定输入功率 (W) Rate Input (W)		180	215	231	303	365	405	490	629	792	2115
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	545	895	956	1128	1570	1740	1985	2605	3442	9375
	COP	3.03	4.16	4.14	3.72	4.30	4.30	4.05	4.14	4.34	4.43
-12℃采暖工况 Heating Working Condition	制热量(W) Heating Capacity(W)	550	905	999	1173	1580	1745	2045	2683	3330	9790
	COP	3.15	4.32	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(W) Heating Capacity(W)	615	1010	1129	1347	1800	1994	2461	3230	3810	11095
	COP	3.76	5.16	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(W) Heating Capacity(W)	430	705	777	872	1190	1309	1564	2070	2500	7290
	COP	2.33	3.52	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	14	18		22	24	39	53	65	190
匹配地暖面积 （m²） Floor Heating Area(m²)		—									
电容 Capacitor (uF/V)		6.5/400	10/400	10/450	12/450	15/420		15/400	17/400	25/400	50/450
压缩机高度(A)(mm) Height of Compressor(A)(mm)		155.5	194	209.7	190.7	209.7	255.5	227.9		238.4	358.9
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ92		Φ112.2	Φ94	Φ112.2				Φ139.1	
吸气口高度(C)(mm) Height of Suction(C)(mm)		131.0	235.9	165.1	132.0	203.0	199.0			230.0	399.5
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ18.85	Φ50.8	Φ31.8						Φ80	Φ89.1
底脚角度（°） Outside Dia. of Accumulator（°）		90									70
底脚安装半径(mm) Radius of Base Foot(mm)		R60	R75								R88
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		69	76.7	80	88				106	125	
冷凝温度范围(℃) Condensing Temp.(℃)		≤70								≤80	≤70
出水温度(℃) Outlet Water Temp.(℃)		≤65								≤75	≤65
外型图 Profile Drawing		图二（Picture 2）									图五（Picture 5）

注Note : ●开发中的机型 In Development

机型 Model		WHP00535VCV	WHP00990VSV	WHP00930VUV	WHP01620VUW	WHP01620VUQ	WHP01900VUV	WHP02830VUX	WHP03970VUX	WHP05100VUX
排量 (CC/rev) 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, 50Hz			
冷媒 Refrigerant		R134a/R513A/R450A/R1234yf/R1234ze			R134a/R513A/ R1234yf	R134a/R513A		R134a/R513A/ R1234yf	R134a/R513A/ R1234ze	R134a/R1234yf
额定电流 (A) 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 (W) Rate Input (W)		176	275	238	368	377	450	665	910	1190
额定工况 Rated Working Condition	制热量(W) 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
-12℃采暖工况 Heating Working Condition	制热量(W) 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(W) 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(W) 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
出热水率 (升/小时) Outlet Capacity(Liter/Hour)		6	16	15	30		37	58	82	113
匹配地暖面积 (m²) Floor Heating Area(m²)		——								
电容 Capacitor (uF/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(A)(mm) 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(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ92		Φ112.2			Φ129.1			Φ139.1
吸气口高度(C)(mm) Height of Suction(C)(mm)		141.1	174.6	220.4	219.0		265.4	241.3		249.9
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ18.85	Φ31.8	Φ65	Φ65		Φ60.5	——		
底脚角度 (°) Outside Dia. of Accumulator (°)		60	90					88	85	90
底脚安装半径(mm) Radius of Base Foot(mm)		R60	R75					R85	R88	
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		68.0	80.1	98.0			93.0	88.9		94.0
冷凝温度范围(℃) Condensing Temp.(℃)		≤80								
出水温度(℃) Outlet Water Temp.(℃)		≤75								
外型图 Profile Drawing		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	WHP01620VUW	WHP01300VSQ	WHP01620VCQ	WHP01620BUX	WHP00680BSX
排量 (CC/rev) Displacement (CC/rev)		3.57	8.60	7.25	8.60		4.60
电源类型 Power Type		115~120V, 1Φ, 60Hz		208~240V, 1Φ, 60Hz	220~240V, 1Φ, 60Hz		
冷媒 Refrigerant		R134a	R134a/R513A/R1234yf	R134a/R513A			
额定电流 (A) Rated Current (A)		1.04	3.11	1.58	1.73	1.54	1.04
额定输入功率 (W) Rate Input (W)		210	368	357	400	362	207
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	660	1577	1357	1600	1577	714
	COP	3.15	4.29	3.80	4.00	4.36	3.45
-12℃采暖工况 Heating Working Condition	制热量(W) Heating Capacity(W)	700	1650	1420	1674	1630	757
	COP	3.26	4.32	3.83	4.02	4.41	3.57
夏季工况 Summer Condition	制热量(W) Heating Capacity(W)	819	1850	1590	1875	1890	886
	COP	3.78	4.89	4.33	4.56	5.05	4.14
冬季工况 Winter Condition	制热量(W) Heating Capacity(W)	500	1130	970	1145	1180	540
	COP	2.46	3.25	2.88	3.03	3.41	2.7
出水水率 (升/小时) Outlet Capacity(Liter/Hour)		9	30	18	30	32	10
匹配地暖面积 (m²) Floor Heating Area(m²)		—					--
电容 Capacitor (uF/V)		17/250	35/450	10/450	20/450	12/450	6/450
压缩机高度(A)(mm) Height of Compressor(A)(mm)		143	227.9	202.8	234.5	237.9	163.2
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ92	Φ112.2	Φ92	Φ112.2		Φ92
吸气口高度(C)(mm) Height of Suction(C)(mm)		131	219	153	208.5	219	141.1
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ18.85	Φ65	Φ31.8	Φ65		Φ18.85
底脚角度 (°) Outside Dia. of Accumulator (°)		60	90	60	90		60
底脚安装半径(mm) Radius of Base Foot(mm)		R60	R75	R60	R75		R60
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		68	98	80	98		68
冷凝温度范围(℃) Condensing Temp.(℃)		≤65	≤80				≤70
出水温度(℃) Outlet Water Temp.(℃)		≤60	≤75				≤65
外型图 Profile Drawing		图一 (Picture 1)	图二 (Picture 2)				图一 (Picture 1)

注Note: ● 开发中的机型 In Development

机型 Model		WHP01620BSQ	WHP02250BCN	WHP02350BSX	WHP04400BCN	WHP05100VUX	WHP06000BSX
排量 (CC/rev) Displacement (CC/rev)		8.6	12.2	14.5	23.2	33.6	
电源类型 Power Type		208~240V, 1Φ, 60Hz	208~230V, 1Φ, 60Hz			220~240V, 1Φ, 50Hz/60Hz	
冷媒 Refrigerant		R134a				R134a/R513A	R134a
额定电流 (A) Rated Current (A)		1.88	2.70	3.19	5.20	6.90	6.20
额定输入功率 (W) Rate Input (W)		380	550	660	1065	1485	1340
额定工况 Rated Working Condition	制热量(W) Heating Capacity(W)	1595	2235	2750	4365	6255	5810
	COP	4.20	4.06	4.18	4.10	4.21	4.34
-12℃采暖工况 Heating Working Condition	制热量(W) Heating Capacity(W)	1641	2380	2925	4530	6490	6115
	COP	4.36	4.21	4.33	4.23	4.34	4.38
夏季工况 Summer Condition	制热量(W) Heating Capacity(W)	1923	2770	3400	5265	7545	7095
	COP	4.96	4.80	4.94	4.85	4.98	4.85
冬季工况 Winter Condition	制热量(W) Heating Capacity(W)	1185	1730	2125	3280	4700	4385
	COP	3.39	3.32	3.42	3.23	3.31	3.30
出热水率 (升/小时) Outlet Capacity(Liter/Hour)		32	44	54	95	136	125
匹配地暖面积 (m²) Floor Heating Area(m²)		——			33	47	45
电容 Capacitor (uF/V)		12/450	17/400	25/400	35/400	40/450	
压缩机高度(A)(mm) Height of Compressor(A)(mm)		227.9	232.9	218.0	277.5	293.4	320.9
压缩机外径(B)(mm) Outside Dia. of Compressor(B)(mm)		Φ112.2			Φ129.1	Φ139.1	
吸气口高度(C)(mm) Height of Suction(C)(mm)		223.9	270.3	231	241.3	323.3	345.4
储液器外径(D)(mm) Outside Dia. of Accumulator(D)(mm)		Φ65		Φ35	Φ70	Φ80	
底脚角度 (°) Outside Dia. of Accumulator (°)		90		105	85	70	
底脚安装半径(mm) Radius of Base Foot(mm)		R75		R75	R88	R88	
吸气管与壳体中心距离(L)(mm) Distance Between Suction and Shell Centre(L)(mm)		98	93	89	88.9	33.6	
冷凝温度范围(℃) Condensing Temp.(℃)		≤80		≤75	≤80	≤70	≤80
出水温度(℃) Outlet Water Temp.(℃)		≤75		≤70	≤75	≤65	≤75
外型图 Profile Drawing		图二 (Picture 2)			图六 (Picture 6)		图五 (Picture 5)

注Note : ● 开发中的机型 In Development

Frequency Inverters – standard products



Wide range of standard inverters that are available as finished products.

1 x 230V supplied – versions that cover the compressor motors up to 3000W where the compressor uses a maximum of 3 x 16A

We can supply for coldplate mounting.
We can supply for cooling the inverter with air.
We can supply inverters in different enclosures.

For 3 phase supply voltage 3 x 400V, the compressor covers motors up to 7500W where the compressor uses a maximum of 3 x 16A

R290 applications:

We can help solve the task with the existing models.
It requires special assembly and discussion in every case.

We have a wide range of compressors programmed in our inverters.
If a new compressor is not in the list, a new motor profile must be established, and it must be tested – Please contact us



COMPANY

Jørgensen Appliance A/S established in 2004, as a manufacturer representative.

We represent some of the top manufacturers in the world, that offer products and solutions for the HVAC&R market in Scandinavia and Europe.

MISSION STATEMENT

We understand the market and customer's end application requirements.

KEEP AN EYE ON THE PROJECT

Based on the unique project knowledge of our team and our partners, all the technical design-in activities are application and project focused.

MARKETS

- Commercial refrigeration
- Air Conditioning
- HVAC&R Industry
- Heat Pumps

Jørgensen Appliance A/S
Ledreborg Alle 118a
DK-4000 Roskilde, Denmark
Phone: +45 72 21 72 04
info@joap.dk · **www.joap.dk**

We can also help you with the following components:

Frequency Inverters – Refrigeration components –
Pressure Switches – Pressure Sensors –
Temperature Sensors – Heat Exchangers –
Evaporators & Condensers – Heating Elements –
Electronic Thermostats & Thermometers –
Controllers for HVAC & Refrigeration