

Panasonic

松下电器

松下压缩机

PANASONIC COMPRESSOR



松下・万宝(广州)压缩机有限公司(PWAPCGZ)

Panasonic Wanbao Appliances Compressor(Guangzhou)Co.,Ltd(PWAPCGZ)

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公司简介
COMPANY PROFILE

公司概况 Company Introduction



松下.万宝(广州)压缩机有限公司(PWAPCGZ)成立于1993年6月8日,并于1995年1月1日正式投入生产。其投资构成比例为:松下电器株式会社占69%,广州万宝家电控股有限公司占31%,注册资金11384万美元。占地面积约126,000平方米,从业人员约2600人,年生产能力1200万台。

本公司专注于各领域压缩机的研发与制造,产品在家用/商用空调器、热泵、干衣机、除湿机、车载、新能源车空调以及电池热管理,微小型应用系统等领域广泛应用,为人们的日常生活和商业活动提供舒适健康的环境。

PWAPCGZ引入松下母公司的技术及管理模式,充分吸收其先进经验,同时不断自主创新,为全世界客户提供优质的压缩机产品和服务。遵循“品质就是生命”的理念,实行严格的质量管理,从原材料的采购到最终的产品检测,生产过程中的每一个环节都严格按照高标准、严要求进行管控。产品的性能、品质、可靠性及服务获得国内外用户的高度赞赏与信赖。

松下集团致力于“更美好的生活”与“可持续发展的环境”的协调发展,提出了长期环境愿景“GREEN IMPACT PLAN 2024”。PWAPCGZ作为松下集团压缩机的主要生产基地,亦将持续开发生产环境友好产品,为全人类创造更舒适,健康的生活环境,助力全球生态环境改善。

Panasonic Wanbao Appliances Compressor (Guangzhou) Co., Ltd.(PWAPCGZ) was established on June 8, 1993, and began production since January 1, 1995. The investment structure is: Panasonic Co., Ltd. holds 69% and Guangzhou Wanbao Group Co., Ltd. holds 31%, with a registered capital of USD 113.84 million. The company spans approximately 126,000 square meters and employs around 2,600 people, with an annual production capacity of 12 million units.

The company specializes in the research, development, and manufacturing of compressors for various applications. Our products are widely used in household and commercial air conditioners, heat pumps, dryers, dehumidifiers, air conditioners for new energy vehicles, battery thermal management systems, and micro-application systems. These products enhance comfort and health in daily life and commercial activities for people.

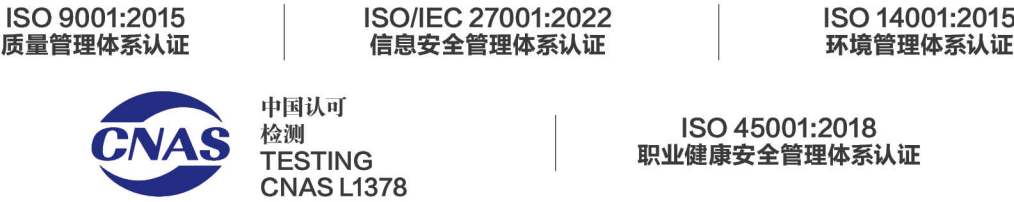
PWAPCGZ incorporates technology and management practices from Panasonic's parent company, leveraging its advanced experience while continuously innovating independently to provide high-quality compressor products and services to customers worldwide. Following the principle that "quality is life," our company enforces strict quality management from raw material procurement to final product testing. Every production step is rigorously controlled to meet high standards. The performance, quality, reliability, and service of our products are highly regarded and trusted by users both domestically and internationally.

The Panasonic Group is dedicated to the simultaneous advancement of "a better life" and "a sustainable environment," with a long-term environmental vision known as the "GREEN IMPACT PLAN 2024." As a key production base for Panasonic Group compressors, PWAPCGZ will continue to develop and produce eco-friendly products to create more comfortable and healthy living conditions and contribute to global ecological sustainability.

荣誉表彰 Honor And Commendation



资质认证 Certification



智能工厂 Plant Intelligence

压缩机工厂旨在通过技术革新，打造智能化、高品质、高效率的持续发展工厂，深化 AI 智能机器人的生产应用，建立数字化、无人化、智能化全场景生产体系。

Compressor factory aims to create a intelligent, high-quality and efficient sustainable development factory through technological innovation, deepen the production application of AI intelligent robots, and establish a digital, unmanned and intelligent full-scene production system.



品质可靠 Reliable Quality

传承百年松下的优秀品质基因，严格遵守品质就是生命的经营理念，在各领域为客户提供高可靠性商品。强化全流程·全过程品质风险预防，品质保证，效益创出。

Inherit the excellent quality from century-old Panasonic, PWAPCGZ strictly adheres to the quality is life business philosophy, and provides customers with high-reliability products in various fields.

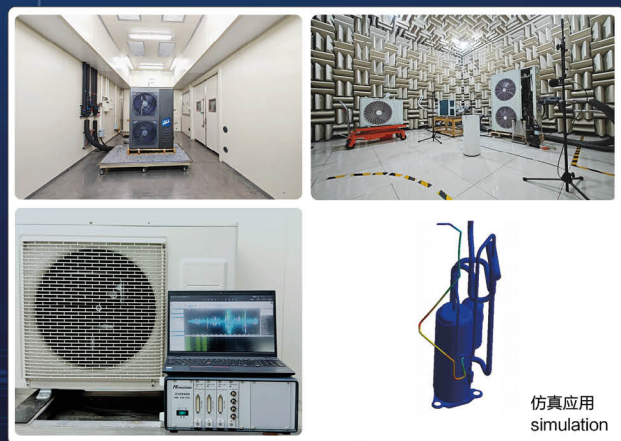
Strengthen the entire process, prevent quality risks throughout the entire process, ensure quality, and create benefits.



技术支持 Technical Support

强调自主研发及本体匹配技术力的厚植深耕，拥有全方位实验评估的资源体系，为客户提供标准化、定制化的技术解决方案。

Emphasizing the independent research and development and the deep cultivation of ontology matching technology, we have a comprehensive experimental evaluation resource system, to provide customers with standardized and customized technical solutions.



技术革新 Technology Innovation

安全防爆技术

Safety Explosion-proof Technology

R290 专用防爆接线盒：通过创新结构设计，强化密封性。

Dedicated explosion-proof junction box: Sealing is strengthened through innovative structural design.

带陶瓷环接线柱：爬电距离 +50% 以上。

Terminal post with ceramic ring: Creepage distance is increased by more than 50%.

低油吐设计

Low Oil Spit Design

专用转子新型挡油环：加强油与冷媒分离，改善油吐。

New-style oil retaining ring: Strengthens the separation of oil and refrigerant, to improve the oil spitting out.

高可靠性设计

High Reliability Design

轴承内嵌高润滑特性的 PTFE 涂层衬套：有效解决曲轴因短时间缺油，润滑不足而发生磨损的问题。

Bearings are embedded with high lubrication characteristics PTFE coated bushing: To effectively solve the problem of wear of the crankshaft due to short time lack of oil and insufficient lubrication.

进口 Hiflex 材质阀片：高强度，低应力。

Valve plate with imported Hiflex material: high strength and low stress.

松下 R290 大型高效喷气增
焓直流变频转子压缩机
Panasonic R290 high
efficient EVI DC inverter
rotary compressor

喷气增焓技术

EVI Technology

超宽运行范围，超低环境温度仍可正常使用。

Ultra-wide operating range, can still be used normally in the ultra-low temperature.

低噪音 / 低振动设计

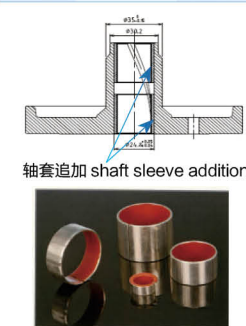
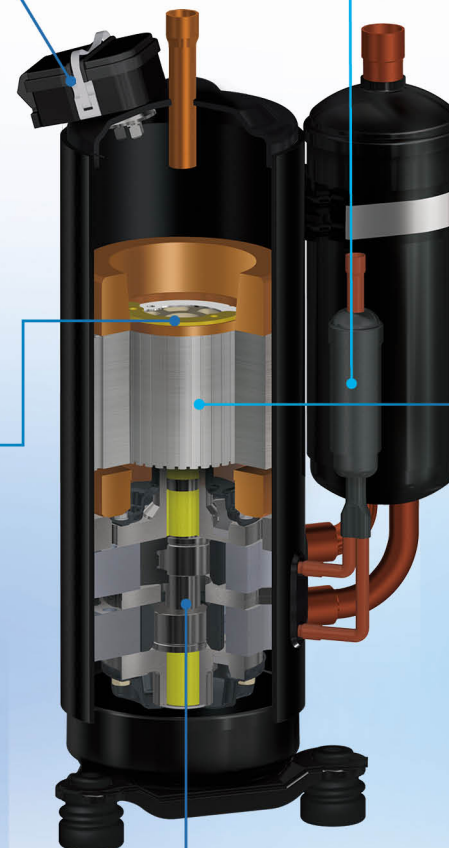
Low Noise and Low Vibration Design

分布卷马达：磁极分布均匀，诱起电压波形优化，噪音和振动低减。

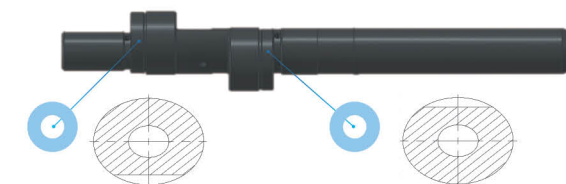
Distributed coil motor: To meet the low noise and low vibration by uniforming magnetic pole distribution and optimizing induced voltage waveform.

创新型消音盖设计：敏感区域降噪 5dB 以上，实听更优。

Innovative muffler cover design: Noise reduction of more than 5dB in sensitive areas, better in scene listening.



轴套追加 shaft sleeve addition



曲轴 D 形储油结构设计：储油量 +15%。

D-shape oil storage structure design at crankshaft: storage capacity increases by 15%.



类金刚石涂层滑块：摩擦系数降低，耐磨性提升。

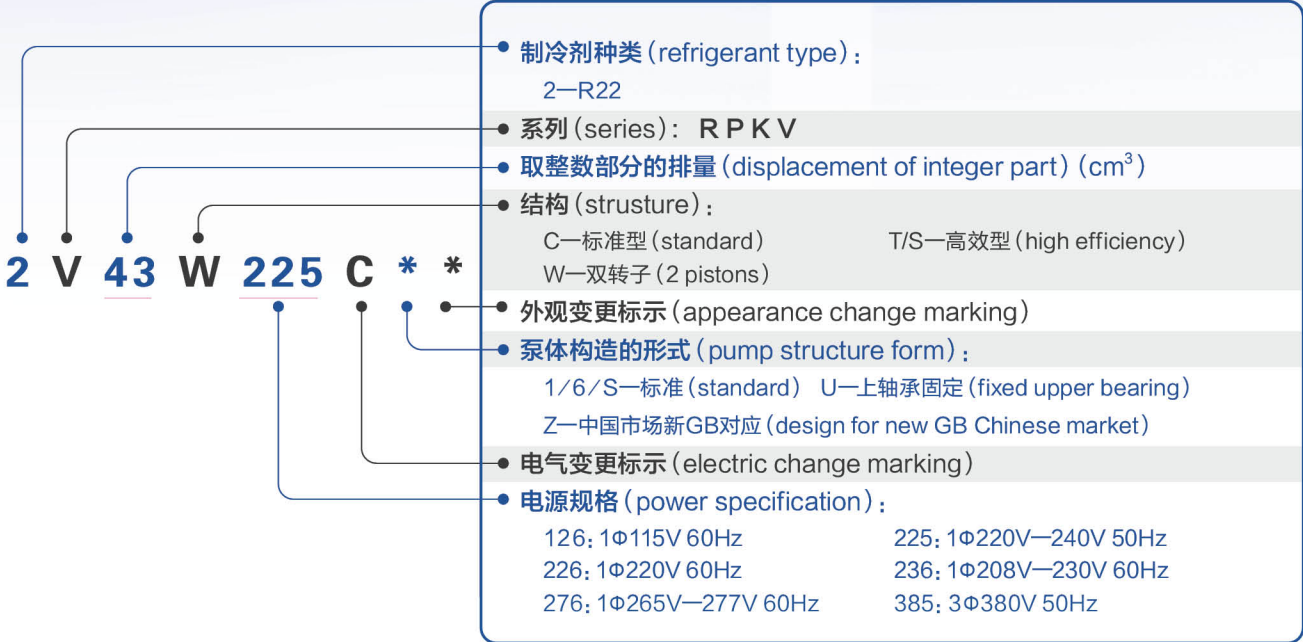
Diamond-like coated slider: reducing the friction coefficient and improving the wear resistance.

事业发展历程
DEVELOPING HISTORY

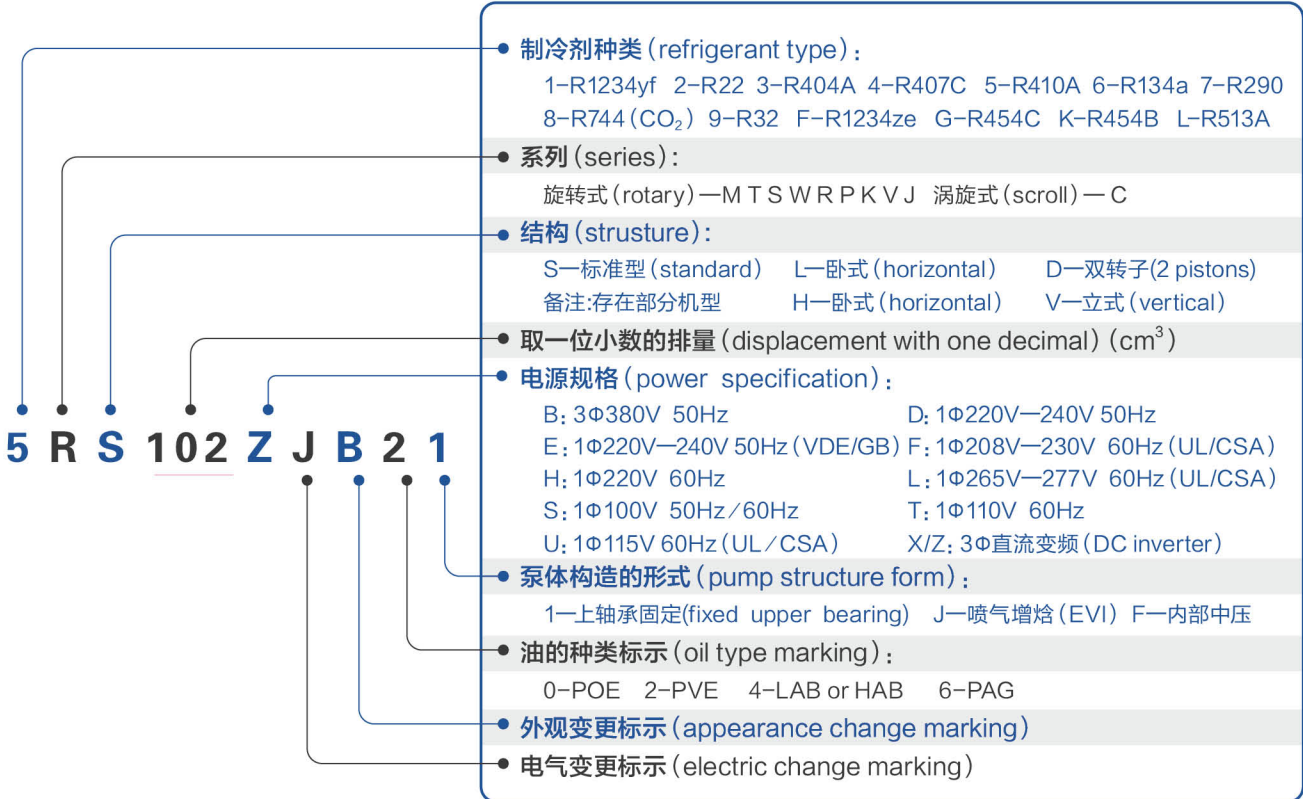


命名规则
PRODUCT LINEUP

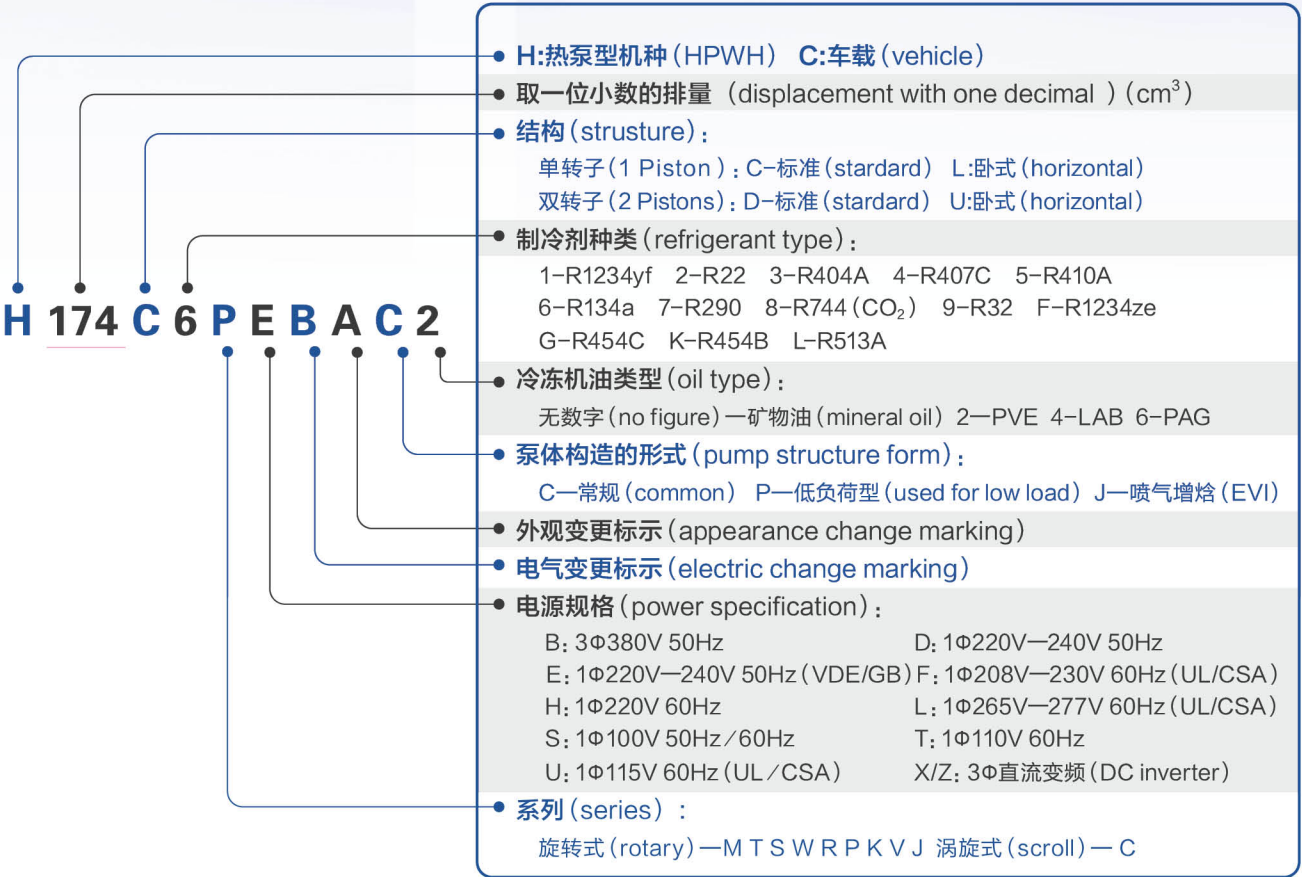
方式 1 适用于UL、CSA规格，中国安全规格，VDE规格，SASO规格等压缩机 (R22)
MODE Be suitable to the compressor passed UL、CSA、CCC、VDE or SASO(R22)



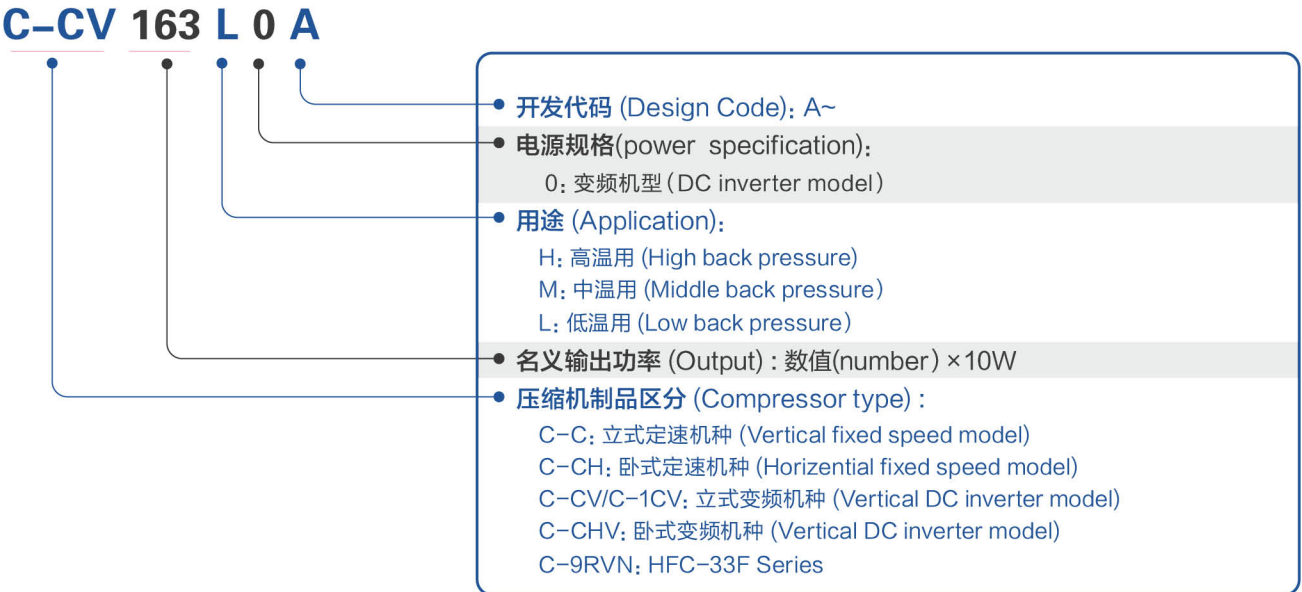
方式 2 适用于新冷媒压缩机
MODE Be suitable to new refrigerant compressor



方式 3 适用于新规 (热水器、采暖、车载) 用途压缩机
MODE Be suitable to the compressor for heat pump water heater, heating, vehicle air-conditioning, etc.



方式 4 适用于CO₂-15F/20F/33F及HFC-33F系列压缩机
MODE Be suitable to the CO₂-15F/20F/33F compressor and HFC-33F series.



变频系列
DC Inverter Series

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																															
			0.2	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	25	28	30	35											
R32	DC变频	S																																
		W																																
		R																																
		P																																
		C(涡旋)																																
		K																																
		V																																
J																																		
R410A		S																																
		R																																
		K																																
		V																																
R134a		J																																
		M																																
		T																																
R134a		R																																
		K																																
		V																																
R407C		R																																
		K																																
		V																																
R407C		R																																
		K																																
		V																																
R290		M																																
		T																																
		S																																
R290		W																																
		R																																
		K																																
		V																																
		J																																
R454B	K																																	
	V																																	
	J																																	
R454B	K																																	
	V																																	
	R																																	
R454C	K																																	
	V																																	
	T																																	
R1234yf/ze	R																																	
	V																																	
	C(涡旋)																																	
R744	15F																																	
	20F																																	
	33F																																	
R513A	V																																	

定速系列
Fixed-speed Serie

制冷剂 Refrigerant	电源 Power	压缩机能力范围 Compressor capacity range (kW)																
		0.2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
R32	1Φ220V~240V 50Hz																	
	1Φ220V~230V 60Hz																	
	1Φ 100V 60Hz																	
	1Φ 115V 60Hz																	
	1Φ208V~230V 60Hz																	
R410A	1Φ220V~240V 50Hz																	
	1Φ 100V 60Hz																	
	1Φ 110V 60Hz																	
	1Φ 115V 60Hz																	
	1Φ200V 60Hz																	
	1Φ220V 60Hz																	
	1Φ208V~230V 60Hz																	
	1Φ220V~230V 60Hz																	
	1Φ265V/277V 60Hz																	
3Φ380V 50Hz																		
R134a	1Φ220V~240V 50Hz																	
	1Φ220V~240V 50Hz/60Hz																	
	1Φ 100V 60Hz																	
	1Φ 110V 60Hz																	
	1Φ 115V 60Hz																	
	1Φ220V 60Hz																	
	1Φ208V~230V 60Hz																	
	1Φ220V~230V 60Hz																	
	1Φ220V~240V 50Hz																	
1Φ220V 60Hz																		
R22	1Φ220V~240V 50Hz																	
	1Φ220V 60Hz																	
	1Φ208V~230V 60Hz																	
	3Φ380V 50Hz																	
R407C	1Φ 100V 50Hz/60Hz																	
	3Φ380V 50Hz																	
R290	1Φ220V~240V 50Hz																	
R454B	1Φ208V~230V 60Hz																	
R454C	1Φ220V~240V 50Hz																	
R513A	1Φ220V~240V 50Hz																	
R1234yf/ze	1Φ220V~240V 50Hz																	
	1Φ220V~240V 50Hz/60Hz																	
	1Φ200V 50Hz/60Hz																	
	3Φ200V 50Hz/60Hz																	

家用和商用空调用压缩机
COMPRESSOR FOR RAC & CAC

- 高效泵体。
High-efficiency pump.
 - 低噪音/低振动。
Low noise and Low vibration.
- 小型轻量化。
Compact size and light weight.
 - 高可靠性设计。
High-reliability design.

R32系列直流变频压缩机
R32 DC INVERTER COMPRESSOR

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30
R32	DC变频	S																	
		W																	
		R																	
		C(涡旋)																	
		K																	
		V																	
		J																	

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

DC inverter 57.5Hz

S	9SS052XE*	5.2	1355	4623	519	2.61	P-JIS
S	9SS064XE*	6.5	1730	5903	629	2.75	P-JIS
S	9SS064XG*	6.5	1730	5903	676	2.56	P-JIS
S(2P)	☆9SD064ZA*	6.4	1650	5630	665	2.48	P-JIS
S	9SS072XA*	7.3	1955	6670	761	2.57	P-JIS
S	9SS072XD*	7.3	1935	6602	750	2.58	P-JIS
S	9SS075ZA*	7.5	2050	6995	775	2.65	P-JIS
S	9SS080XD*	8.0	2140	7302	829	2.58	P-JIS
S	☆9SS088ZA*	8.8	2400	8189	860	2.79	P-JIS
S(2P)	9SD092ZA*	9.2	2425	8274	935	2.59	P-JIS
S(2P)	9SD110ZA*	11.2	3040	10372	1130	2.69	P-JIS
W	9WS098ZC*	9.8	2730	9315	965	2.83	P-JIS
W	9WS098XC*	9.8	2750	9383	989	2.78	P-JIS
W	9WS102XA*	10.3	2915	9946	1026	2.84	P-JIS

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

DC inverter 57.5Hz

W(2P)	9WD138ZA*	13.8	3995	13631	1370	2.92	P-JIS
W(2P)	☆9WD210ZA*	21.0	6000	20472	2190	2.74	P-JIS
R	9RS092ZA*	9.2	2450	8359	921	2.66	P-JIS
R	9RS102ZB*	10.3	2865	9775	1027	2.79	P-JIS
R	9RS102ZE*	10.3	2900	9895	1036	2.80	P-JIS
R	9RS102XP*	10.3	2878	9820	966	2.98	P-JIS
R	9RS102XN*	10.3	2885	9844	1034	2.79	P-JIS
R	9RS102XS*	10.3	2887	9850	956	3.02	P-JIS
R	9RS124XA*	12.4	3465	11823	1265	2.74	P-JIS
R(2P)	9RD132ZAA21	13.2	3615	12334	1329	2.72	P-JIS
R(2P)	9RD138XCA21	13.9	4000	13648	1335	3.00	P-JIS
R(2P)	9RD138XFA23	13.9	4020	13716	1400	2.87	P-JIS
R(2P)	9RD138XHA23	13.9	4000	13648	1390	2.88	P-JIS
R(2P)	9RD138ZCB21	13.9	4000	13648	1355	2.95	P-JIS
R(2P)	9RD138ZFC21	13.9	3995	13631	1427	2.80	P-JIS
R(2P)	9RD160ZAA21	16.1	4550	15525	1643	2.77	P-JIS
R(2P)	9RD160ZBB21	16.1	4485	15303	1692	2.65	P-JIS
R(2P)	9RD198ZAA21	19.8	5670	19346	2108	2.69	P-JIS
R(2P)	9RD198XAF21	19.8	5710	19483	2076	2.75	P-JIS
R(2P)	9RD198XBC21	19.8	5710	19483	2076	2.75	P-JIS
R(2P)	9RD220ZAA21	22.0	6385	21786	2313	2.76	P-JIS
R(2P)	9RD220ZBA21	22.0	6190	21120	2381	2.60	P-JIS
R(2P)	☆9RD310ZA*	31.0	8600	29343	3050	2.82	P-JIS
K(2P)	9KD240XCA21	24.0	6845	23355	2489	2.75	P-JIS
K(2P)	9KD360XA*	36.0	10430	35587	3686	2.83	P-JIS
K(2P)	9KD420ZBA21	42.0	12250	41797	4487	2.73	P-JIS
V(2P)	9VD330XAA21	33.0	9610	32789	3457	2.78	P-JIS
V(2P)	9VD420ZDA21	42.3	12630	43094	4401	2.87	P-JIS
V(2P)	9VD550XB*	55.0	16700	56980	5800	2.88	P-JIS
V(2P)	9VD550XA*(DC520V)	55.1	16800	57322	5730	2.93	P-JIS
V(2P)	9VD650ZA*(DC520V)	65.0	19160	65374	6746	2.84	P-JIS
J(2P)	9JD800ZA*(DC520V)	80.0	25270	86221	9572	2.64	P-JIS
C(涡旋)	9CS130XA*	13.0	3985	13597	1261	3.16	P-JIS
C(涡旋)	9CS142XA*	14.2	4415	15064	1384	3.19	P-JIS
C(涡旋)	9CS160XA*	16.0	4955	16906	1568	3.16	P-JIS

R32系列定速压缩机
R32 FIXED-SPEED COMPRESSOR

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																		
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	35	
R32	220V~240V 50Hz	S	■																		
		R	■	■																	
		P		■	■	■	■														
		K				■	■														
		V					■	■	■	■	■										
	220V~230V 60Hz	S	■																		
		R	■	■	■																
		P			■	■	■														
		K					■	■													
		V							■	■											
	100V 60Hz	R	■	■																	
	115V 60Hz	K			■	■															
208V~230V 60Hz	K						■	■													

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

220V-240V 50Hz

S	9SS042DA*	4.3	1305	4453	296	4.41	12.5/370	PMI-RAC
R	9RS050DA*	5.0	1315	4487	307	4.28	15/370	PMI-RAC
R	9RS066DA*	6.7	1705	5817	510	3.34	20/400	P-RAC
R	9RS072DB*	7.3	1880	6415	605	3.11	15/400	P-RAC
R	9RS080DC*	8.0	2160	7370	610	3.54	20/370	P-RAC
R	9RS092EA*	9.2	2470	8428	705	3.50	20/400	P-RAC
R	9RS102EA*	10.2	2870	9792	795	3.61	20/400	P-RAC
P	9PS096DA*	9.6	2565	8752	705	3.64	30/370	P-RAC
P	9PS102EB*	10.2	2690	9178	760	3.54	25/370	P-RAC
P	9PS102DF*	10.2	2795	9537	755	3.70	30/370	P-RAC
P	9PS126DA*	12.6	3480	11874	945	3.68	30/370	P-RAC
P	9PS132EA*	13.2	3630	12386	975	3.72	30/370	P-RAC
P	9PS136EA*	13.6	3780	12897	1025	3.69	35/370	P-RAC
P	9PS146DA*	14.7	4095	13972	1105	3.71	35/370	P-RAC
K	9KS180DA*	18.0	4930	16821	1355	3.64	45/370	P-RAC
K	9KS196DA*	19.6	5365	18305	1470	3.65	45/370	P-RAC
K	9KS205DD*	20.7	5725	19534	1560	3.67	50/370	P-RAC

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

220V-240V 50Hz

V	9VS210DA*	21.0	5975	20387	1560	3.83	55/400	P-RAC
V	9VS250DA*	25.0	7120	24293	1860	3.83	60/400	P-RAC
V	9VS270DA*	27.0	7540	25726	1980	3.81	60/400	P-RAC
V	9VS295DA*	29.5	8240	28115	2240	3.68	55/370	P-RAC
V(2P)	9VD330DA*	33.0	9340	31868	2550	3.66	60/400	P-RAC

220V-230V 60Hz

S	9SS042HA*	4.3	1310	4470	395	3.32	15/370	P-RAC
R	9RS058HB*	5.8	1855	6329	525	3.63	15/370	P-RAC
R	9RS058HA*	5.8	1810	6176	530	3.42	15/370	P-RAC
R	9RS062HA*	6.2	1980	6756	580	3.41	15/370	P-RAC
R	9RS066HA*	6.7	2080	7097	590	3.53	15/370	P-RAC
R	9RS072HA*	7.3	2245	7660	655	3.43	15/370	P-RAC
R	9RS080HA*	8.0	2545	8684	720	3.53	15/370	P-RAC
R	9RS092HA*	9.2	3025	10321	838	3.61	20/400	P-RAC
R	9RS096HA*	9.6	3145	10731	865	3.64	20/400	P-RAC
P	9PS102HB*	10.2	3385	11550	900	3.76	30/370	P-RAC
P	9PS108HA*	10.8	3595	12266	960	3.74	30/370	P-RAC
P	9PS120HA*	12.0	3990	13614	1075	3.71	30/370	P-RAC
P	9PS146HA*	14.7	5010	17094	1340	3.74	45/370	P-RAC
P	9PS160HA*	16.0	5400	18425	1465	3.69	45/370	P-RAC
K	9KS156HA*	15.6	5130	17504	1360	3.77	35/370	P-RAC
K	9KS162HA*	16.2	5440	18561	1415	3.84	35/370	P-RAC
K	9KS170HA*	17.0	5705	19465	1490	3.83	35/370	P-RAC
K	9KS180HA*	18.0	5955	20318	1575	3.78	35/370	P-RAC
V	9VS210HB*	21.0	7210	24601	1875	3.85	45/400	P-RAC
V	9VS225HA*	22.5	7695	26255	1990	3.87	50/400	P-RAC

100V 50Hz/60Hz

R	9RS062SAA21	6.2	1370/1660	4674/5664	585/670	2.34/2.48	60/170	P-JIS-A
R	9RS066SAA21	6.7	1405/1715	4794/5852	623/716	2.26/2.40	60/170	P-JIS-A
R	9RS072SAA21	7.3	1565/1910	5340/6517	690/805	2.27/2.37	60/210	P-JIS-A

115V 60Hz

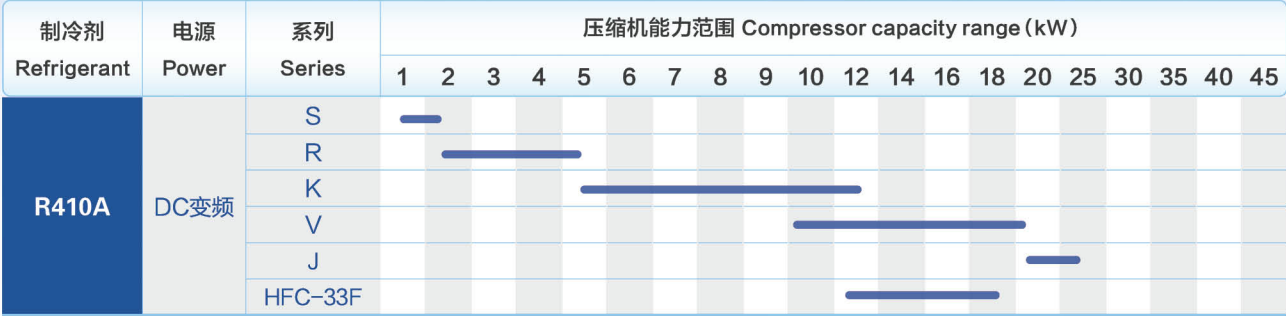
P	9PS102U*	10.2	3385	11550	950	3.56	40/370	P-RAC
P	9PS120U*	12.0	3930	13409	1115	3.52	40/370	P-RAC

208V-230V 60Hz

K	9KS180F*	18.0	6050	20643	1600	3.78	40/370	P-RAC
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R410A系列直流变频压缩机
R410A DC INVERTER COMPRESSOR

产品阵容 Product Lineup



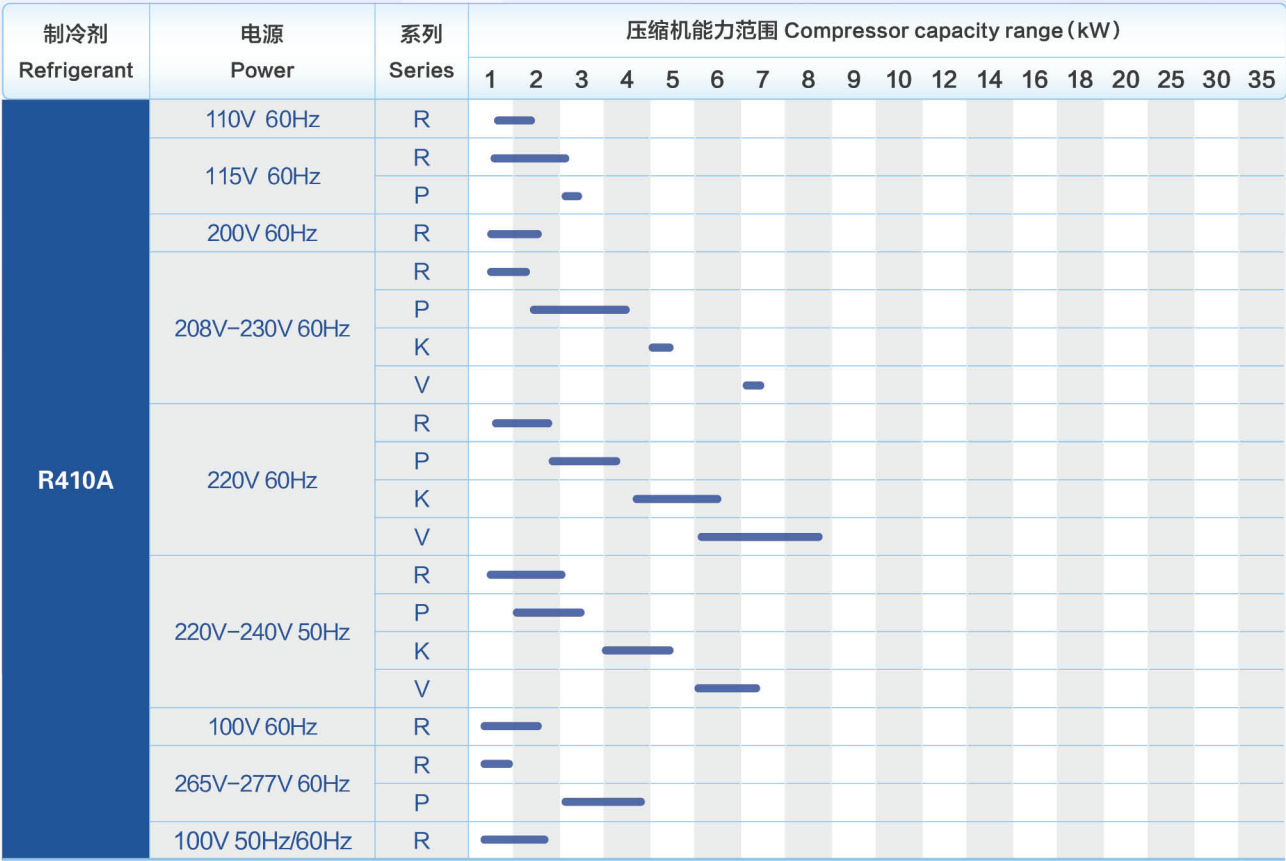
系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

DC inverter 57.5Hz

S	5SS064XB*	6.5	1585	5408	595	2.66	JIS
S	5SS072XG*	7.3	1800	6142	696	2.59	JIS
S	5SS072XE*	7.3	1780	6073	680	2.62	JIS
S	5SS072ZJ*	7.3	1770	6039	680	2.60	JIS
S	5SS080ZA*	8.0	2010	6858	760	2.64	JIS
R	5RS102ZS*	10.3	2625	8957	980	2.68	JIS
R	5RS132ZA*	13.2	3385	11550	1250	2.71	JIS
R(2P)	5RD132XC*	13.2	3370	11498	1235	2.73	JIS
R(2P)	5RD132ZF*	13.2	3370	11498	1250	2.70	JIS
R(2P)	5RD138ZA*	13.9	3565	12164	1305	2.73	JIS
R(2P)	5RD138ZB*	13.9	3600	12283	1320	2.73	JIS
R(2P)	5RD160ZA*	16.1	4745	16190	1515	3.13	ARI
R(2P)	5RD198ZB*	19.8	5780	19721	1880	3.07	JIS
K(2P)	5KD184XA*	18.4	5440	18561	1805	3.01	ARI
K(2P)	5KD240XD*	24	7295	24891	2455	2.97	ARI
K(2P)	5KD240ZF*	24	7175	24481	2405	2.98	ARI
K(2P)	5KD420ZAA21	42.0	13270	45277	4175	3.18	ARI
K(2P)	5KD420ZDA21	42.0	13340	45516	4150	3.21	ARI
V(2P)	5VD330ZAB21	33	10135	34581	3185	3.18	ARI
V(2P)	5VD420XEA21	42.3	13400	45721	4110	3.26	ARI
V(2P)	5VD550ZA*	55.0	17250	58857	5490	3.14	ARI
V(2P)	5VD550ZB*(DC520V)	55.0	17270	58925	5465	3.16	ARI
V(2P)	5VD550ZD*	55.0	17250	58857	5442	3.17	ARI
V(2P)	5VD650ZA*(DC520V)	65.0	20410	69639	6542	3.12	ARI
J(2P)	5JD800ZA*(DC520V)	80.0	25510	87040	8125	3.14	ARI
HFC-33F	C-9RVN273HO*	41.6	13400	45721	4340	3.09	N-TEC
HFC-33F	C-9RVN393HO*	60.0	19140	65306	6120	3.13	N-TEC
HFC-33F	C-9RVN393MO*	60.0	19230	65613	6280	3.06	N-TEC

R410A系列定速压缩机
R410A FIXED-SPEED COMPRESSOR

产品阵容 Product Lineup



系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

110V 60Hz

R	5RS062TA*	6.2	1765	6022	600	2.94	35/250	N-TEC
R	5RS072TA*	7.3	2065	7046	710	2.91	35/250	N-TEC

115V 60Hz

R	5RS062UA*	6.2	1785	6090	605	2.95	25/250	N-TEC
R	5RS066UA*	6.7	1890	6449	665	2.84	35/250	N-TEC
R	5RS072UB*	7.3	2055	7012	730	2.82	35/250	N-TEC
R	5RS080UA*	8.0	2250	7677	790	2.85	35/250	N-TEC
R	5RS080UB*	8.0	2300	7848	780	2.95	35/250	N-TEC
R	5RS086UA*	8.6	2490	8496	855	2.91	35/250	N-TEC
R	5PS102UB*	10.2	2930	9997	1045	2.80	40/250	N-TEC
R	5PS102UD*	10.2	3030	10338	1010	3.00	55/370	N-TEC
P	5PS108UA*	10.8	3185	10867	1060	3.00	55/370	N-TEC
P	5PS112UB*	11.2	3270	11157	1120	2.92	45/250	N-TEC
P	5PS118UB*	11.8	3450	11771	1190	2.90	50/250	N-TEC
P	5PS118UB*	11.8	3450	11771	1190	2.90	50/250	N-TEC

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

200V 50Hz/60Hz

R	5RS072KA*	7.3	1710/2070	5835/7063	615/720	2.78/2.88	20/250	N-TEC
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208V-230V 60Hz

R	5RS058FA*	5.8	1630	5562	590	2.76	15/370	N-TEC
R	5RS062FA*	6.2	1745	5954	630	2.77	15/370	N-TEC
R	5RS062FB*	6.2	1765	6022	605	2.92	15/370	N-TEC
R	5RS072FA*	7.3	2020	6892	740	2.73	15/370	N-TEC
R	5RS080FB*	8.0	2265	7728	790	2.87	15/370	N-TEC
P	5PS102FA*	10.2	2855	9741	1010	2.83	30/330	N-TEC
P	5PS108FB*	10.8	3150	10748	1090	2.89	30/370	N-TEC
P	5PS112FB*	11.2	3240	11055	1110	2.92	30/370	N-TEC
P	5PS118FB*	11.8	3430	11703	1180	2.91	30/330	N-TEC
P	5PS136FC*	13.6	4020	13716	1330	3.02	40/330	N-TEC
P	5PS146FA*	14.7	4355	14859	1480	2.94	40/370	N-TEC
K	5KS170FB*	17.0	5120	17469	1710	2.99	40/370	N-TEC
V	5VS245FA*	24.5	7325	24993	2385	3.07	35/370	ARI
V	5VS250FA*	25.1	7265	24788	2410	3.01	40/370	ARI

220V 60Hz

R	5RS058HA*	5.8	1590	5425	575	2.77	15/370	N-TEC
R	5RS062HA*	6.2	1765	6022	595	2.97	15/370	N-TEC
R	5RS066HB*	6.7	1885	6432	645	2.92	15/370	N-TEC
R	5RS066HC*	6.7	1885	6432	650	2.90	15/370	N-TEC
R	5RS072HA*	7.3	2050	6995	720	2.85	15/370	N-TEC
R	5RS080HB*	8.0	2260	7711	780	2.90	15/370	N-TEC
R	5RS080HC*	8.0	2305	7865	780	2.96	15/370	N-TEC
R	5RS086HA*	8.6	2430	8291	835	2.91	15/370	N-TEC
R	5RS092HA*	9.2	2680	9144	910	2.95	20/370	N-TEC
R	5RS102HA*	10.2	2975	10151	1015	2.93	20/370	N-TEC
P	5PS102HA*	10.2	2970	10134	1040	2.86	30/370	N-TEC
P	5PS102HB*	10.2	2940	10031	1000	2.94	30/370	N-TEC
P	5PS108HB*	10.8	3150	10748	1065	2.96	30/370	N-TEC
P	5PS112HA*	11.2	3225	11004	1115	2.89	30/330	N-TEC
P	5PS118HA*	11.8	3400	11601	1175	2.89	30/330	N-TEC
P	5PS126HA*	12.7	3660	12488	1240	2.95	35/330	N-TEC
P	5PS136HA*	13.6	3950	13477	1375	2.87	40/330	N-TEC
P	5PS146HA*	14.7	4325	14757	1430	3.02	40/370	N-TEC
K	5KS162HB*	16.2	4790	16343	1565	3.06	40/370	N-TEC
K	5KS170HB*	17.0	4985	17009	1635	3.05	40/370	N-TEC
K	5KS180HA*	18.0	5285	18032	1730	3.05	40/370	N-TEC
K	5KS196HA*	19.6	5815	19841	1980	2.94	35/370	N-TEC
K	5KS196HB*	19.6	5840	19926	1915	3.05	35/370	N-TEC
K	5KS225HA*	22.5	6670	22758	2340	2.85	50/370	N-TEC
K	5KS225HB*	22.5	6670	22758	2225	3.00	35/370	N-TEC

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

220V 60Hz

V	5VS210HA*	21.0	6250	21325	2015	3.10	45/400	N-TEC
V	5VS225HB*	22.5	6795	23185	2205	3.08	50/400	N-TEC
V	5VS245HA*	24.9	7600	25931	2550	2.98	50/370	N-TEC
V	5VS250HA*	25.1	7710	26307	2480	3.11	50/400	N-TEC
V	5VS270HA*	27.4	8370	28558	2835	2.95	50/370	N-TEC
V	5VS295HA*	29.5	8965	30589	3035	2.95	55/400	N-TEC

220V-240V 50Hz

R	5RS066EA*	6.7	1550	5289	560	2.77	15/370	N-TEC
R	5RS072EA*	7.2	1685	5749	595	2.83	15/370	N-TEC
R	5RS080EA*	8.0	1840	6278	665	2.77	20/370	N-TEC
R	5RS080EB*	8.0	1880	6415	650	2.89	20/370	N-TEC
R	5RS086EA*	8.6	2020	6892	700	2.89	20/370	N-TEC
R	5RS092EA*	9.2	2130	7268	770	2.77	20/370	N-TEC
R	5RS092EB*	9.2	2200	7506	760	2.89	20/370	N-TEC
R	5RS102EB*	10.2	2420	8257	850	2.85	20/370	N-TEC
R	5RS124EA*	12.4	2945	10048	1055	2.79	20/370	N-TEC
R	5RS132EB*	13.2	3130	10680	1140	2.75	20/370	N-TEC
P	5PS102EB*	10.2	2370	8086	825	2.87	35/370	N-TEC
P	5PS102EC*	10.2	2370	8086	810	2.93	35/370	N-TEC
P	5PS108EA*	10.8	2515	8581	880	2.86	30/370	N-TEC
P	5PS122EA*	12.2	2930	9997	995	2.94	30/370	N-TEC
P	5PS126EA*	12.7	3043	10383	1035	2.94	35/370	N-TEC
P	5PS132EA*	13.2	3120	10645	1085	2.88	30/370	N-TEC
P	5PS136EA*	13.6	3280	11191	1095	3.00	35/370	N-TEC
P	5PS146EA*	14.7	3505	11959	1225	2.86	30/370	N-TEC
P	5PS146EB*	14.7	3525	12027	1210	2.91	30/370	N-TEC
K	5KS170EA*	17.0	4090	13955	1400	2.92	40/370	N-TEC
K	5KS205EA*	20.7	4875	16634	1685	2.89	50/370	N-TEC
K	5KS225EA*	22.5	5400	18425	1920	2.81	50/400	N-TEC
V	5VS245EA*	24.9	6090	20779	2075	2.93	60/400	N-TEC
V	5VS270EZ*	27.4	6705	22877	2270	2.95	60/370	N-TEC
V	5VS280EZ*	28.0	6820	23270	2260	3.02	60/370	N-TEC
V	5VS295EZ*	29.5	7220	24635	2445	2.95	60/370	N-TEC

265V-277V 60Hz

R	5RS058LA*	5.8	1610	5493	595	2.71	15/400	N-TEC
R	5RS062LA*	6.2	1750	5971	630	2.78	15/400	N-TEC
R	5RS062LB*	6.2	1785	6090	615	2.90	15/400	N-TEC
R	5RS072LA*	7.3	2070	7063	735	2.82	15/400	N-TEC
P	5PS108LB*	10.8	3150	10748	1090	2.89	25/370	N-TEC
P	5PS136LB*	13.6	3955	13494	1385	2.86	25/400	N-TEC
P	5PS136LC*	13.6	4060	13853	1340	3.03	25/400	N-TEC
P	5PS146LA*	14.7	4275	14586	1470	2.91	25/400	N-TEC
P	5KS170LA*	17.0	5040	17196	1750	2.88	35/370	N-TEC

100V 50Hz/60Hz

R	5RS072SBD21	7.3	1670/2015	5698/6875	635/730	2.63/2.76	60/210	N-TEC
R	5RS092SAA21	9.2	2160/2630	7370/8974	845/945	2.56/2.78	60/210	N-TEC

R454B/R407C/R22定速压缩机
R454B/R407C/R22 FIXED-SPEED COMPRESSOR

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																		
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	35	
R454B	208V-230V 60Hz	K																			
		V																			
R407C	100V 50Hz/60Hz	R																			
R22	220V-240V 50Hz	P																			
		K																			
		V																			
	208V-230V 60Hz	K																			
		V																			

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R454B
208V-230V 60Hz

K	☆KKS162F*	16.2	4100	13989	1355	3.03	35/370	P-RAC
K	☆KKS196F*	19.6	5470	18664	1810	3.02	35/370	P-RAC
V	☆KVS245F*	24.5	6885	23492	2220	3.10	35/370	P-RAC

R407C
100V 50Hz/60Hz

R	4RS080SAB*	8.0	1315/1570	4487/5357	490/555	2.68/2.83	35/230	N-TEC
R	4RS102SBA*	10.3	1725/2055	5886/7012	590/700	2.92/2.94	70/180	N-TEC
R	4RS132SAA*	13.2	2200	7506	765	2.88	60/230	N-TEC

R22
220V-240V 50Hz

P	2P14S225ANE	13.2	2220	7575	705	3.15	30/370	N-TEC
P	2P16T225AZA	16.0	2660	9076	880	3.02	30/370	N-TEC
P	2P17S225ANQ	16.4	2770	9451	885	3.13	30/370	N-TEC
P	2P21T225AZB	21.1	3510	11976	1130	3.11	30/370	N-TEC
K	2K25S225BUA	25.2	4245	14484	1380	3.08	40/370	N-TEC
K	2K32S225AUD	31.4	5310	18118	1725	3.08	50/400	N-TEC
V	2V32S225AUA	31.6	5375	18340	1700	3.16	60/370	N-TEC
V	2V40S225AUA	39.3	6895	23526	2150	3.21	60/400	N-TEC
V	2V49W225AUA	49.0	8675	29599	2795	3.10	60/400	N-TEC

208V-230V 60Hz

K	2K25S236AHA	25.2	5080	17333	1650	3.08	35/370	N-TEC
V	2V34S236AUA	33.6	7270	24805	2315	3.14	50/270	N-TEC

T3中东向压缩机
T3 COMPRESSOR FOR MIDDLE EAST

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																		
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	35	
R410A	DC inverter	R																			
		K																			
		V																			
	220V~240V 50Hz	K																			
		V																			
	220V~230V 60Hz	P																			
		K																			
		V																			
R22	220V~240V 50Hz	V																			
	220V 60Hz	K																			
		V																			
	208V~230V 60Hz	V																			

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R410A
DC inverter 57.5Hz

R(2P)	5RD160XAD21	16.1	4745	16190	1515	3.13	-	ARI
R(2P)	5RD198ZAG21	19.8	5780	19721	1880	3.07	-	ARI
K(2P)	5KD240XFA21	24.0	7175	24481	2435	2.95	-	ARI
V(2P)	5VD330XAB21	33.0	10040	34256	3180	3.16	-	ARI
V(2P)	5VD420XAB21	42.3	13200	45038	4180	3.16	-	ARI

220V-240V 50Hz

K	5KS196DA*	19.6	4770	16275	1600	2.98	45/370	N-TEC
K	5KS196DB*	19.6	4740	16173	1575	3.01	45/370	N-TEC
V	5VS270DA*	27.0	6540	22314	2180	3.00	60/400	N-TEC
V	5VS290DA*	29.0	7025	23969	2340	3.00	60/400	N-TEC

220V-230V 60Hz

P	5PS160HA*	16.0	4755	16224	1570	3.03	45/400	N-TEC
K	5KS162HB*	16.2	4755	16224	1560	3.05	35/400	N-TEC
K	5KS170HB*	17.0	4985	17009	1635	3.05	40/370	N-TEC
K	5KS180HA*	18.0	5285	18032	1730	3.05	40/370	N-TEC
K	5KS196HA*	19.6	5840	19926	1915	3.05	35/370	N-TEC
K	5KS225HB*	22.5	6670	22758	2225	3.00	35/370	N-TEC
V	5VS210HA*	21.0	6250	21325	2015	3.10	45/400	N-TEC
V	5VS225HB*	22.5	6795	23185	2205	3.08	50/400	N-TEC
V	5VS250HA*	25.1	7710	26307	2480	3.11	50/400	N-TEC

R22
220V-240V 50Hz

V	2V36S225CU*	35.6	6375	21752	2020	3.16	50/400	N-TEC
V	2V38S225BU*	37.7	6595	22502	2145	3.07	60/400	N-TEC

220V 60Hz

K	2K28C226AU*	28.2	6055	20660	2000	3.03	50/370	N-TEC
V	2V34S226AU*	33.6	7165	24447	2245	3.19	55/400	N-TEC

208V-230V 60Hz

V	2V30S236AU*	29.5	6275	21410	1915	3.28	50/440	N-TEC
V	2V34S236AU*	33.6	7190	24532	2260	3.18	50/400	N-TEC
V	2V40S236AU*	39.3	8470	28900	2935	2.89	50/400	N-TEC

新风系统/厨房空调用压缩机
COMPRESSOR FOR VENTILATION SYSTEM/KITCHEN A/C

- 卧式设计，满足本体低安装高度需求。
Horizontal design, meeting the low height requirement of installation in the system.
- 高效低噪，节能省电，静音无察觉运行。
High efficiency, low noise, energy saving, silent and imperceptible operation.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)														
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	
R410A	DC Inverter	R															
R32	DC Inverter	R															

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

R410A
DC inverter 57.5Hz

R	5RL092ZAA21	13.8	2590	8837	875	2.96	N-TEC
R	5RL138ZAA21	13.8	3845	13119	1290	2.98	ARI
R	5RL160ZAA21	16.0	4655	15883	1500	3.10	ARI
R	☆5RL220Z*	22.0	6500	22178	2215	2.93	ARI

R32
DC inverter 57.5Hz

R	☆9RL138Z*	13.8	3686	12577	1442	2.56	ARI
R	☆9RL160Z*	16.0	4414	15061	1746	2.56	ARI
R	☆9RL220Z*	22.0	6004	20486	2456	2.44	ARI

热泵用压缩机
COMPRESSOR FOR HPWH

- 高压比热泵专用设计。
High compression ratio, special design for HPWH.
- 高冷凝温度设计，保证高出水温度。
High condensing temperature, to ensure the requirement of high outlet water temperature.
- 超低温EVI专利技术搭载，低环温可靠运行，适用范围广。
Ultra-low temperature patented technology of EVI, reliable operation in low temperature, and wide range of application.
- 高耐磨滑块表面处理专利技术应用，可靠性高。
High wear-resistant slider surface treatment patent technology application, high reliability.

热泵采暖/热水器/烘干用压缩机
COMPRESSOR FOR HEAT PUMP HEATING/WATER HEATER/DRYER

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																								
			0.5	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25	30	35						
R134a	DC inverter	R																									
		K																									
		V																									
	220V~240V 50Hz	T																									
		S																									
		R																									
		P																									
		K																									
		V																									
	220V 60Hz	K																									
	208V~230V 60Hz	S																									
		R																									
R513A	DC Inverter	V																									
		R																									
		V																									
R1234ze	220V~240V 50Hz	R																									
		P																									
		S																									
		W																									
		R																									
		K																									
		V																									
R290	DC inverter	J																									
		R																									
		K																									
		V																									
		J																									
R410A	220~240V 50Hz	T																									
	DC inverter	R																									
		K																									
		V																									
R22	380V 50Hz 3PH	J																									
		V																									
		K																									
R454B	220~240V 50Hz	R																									
		V																									
R454C	DC inverter	K																									
		V																									
R32	DC inverter	R																									
		P																									
		K																									
R744	DC inverter	V																									
		C(涡旋)																									

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制热量 Heating Capacity		输入功率 Input (W)	能效比 COP	蒸发温度 Evaporating Temp. (℃)	冷凝温度 Condensing Temp. (℃)	出水温度 Outlet Water Temp. (℃)	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)							

R134a

DC inverter 60Hz

R(2P)	H138D6RZAAC2	13.8	2635	8991	610	4.32	-15~25	≤81	≤76	-	N-TEC
R(2P)	☆H198D6RZAAC2	19.8	3620	12351	850	4.26	-15~25	≤81	≤76	-	N-TEC
R(2P)	☆H220D6RZAAC2	22.0	4025	13733	950	4.24	-15~25	≤81	≤76	-	N-TEC
K(2P)	6KD420ZAAC2	42.0	6380	21769	1885	3.38	-15~25	≤81	≤76	-	N-TEC
V(2P)	H420D6VZAAC2	42.3	8305	28337	2035	4.08	-15~25	≤81	≤76	-	N-TEC
V(2P)	H650D6VZAAC2	65.0	12195	41609	2900	4.21	-15~45	≤95	≤90	-	N-TEC

220V-240V 50Hz

T(2P)	H046D6TEAAC4	4.6	669	2283	177	3.78	-7~20	≤65	≤60	7.5/370	N-TEC
S	H064C6SEAAC2	6.4	973	3320	248	3.92	-15~31	≤76	≤71	10/370	N-TEC
S	H064C6SEABC2	6.4	975	3327	250	3.90	-15~31	≤76	≤71	10/370	N-TEC
R	H086C6REAAC2	8.6	1288	4395	308	4.18	-15~25	≤81	≤76	15/370	N-TEC
R	H124C6REAAC2	12.4	1836	6264	446	4.12	-15~25	≤81	≤76	15/400	N-TEC
R	H124C6REBAC2	12.4	1880	6415	450	4.18	-15~25	≤81	≤76	15/400	N-TEC
P	H174C6PEAAC2	17.4	2625	8957	620	4.23	-15~25	≤85	≤80	30/370	N-TEC
P	H174C6PECAC2	17.4	2660	9076	640	4.16	-15~25	≤81	≤85	30/370	N-TEC
P	H198C6PEAAC2	19.9	2975	10151	715	4.16	-15~25	≤81	≤76	30/370	N-TEC
K	H250C6KEAAC2	25.2	3850	13136	910	4.23	-15~25	≤90	≤85	35/370	N-TEC
V	6VS355EAB21	35.6	5525	18851	1325	4.17	-15~25	≤85	≤81	65/370	N-TEC

220V 60Hz

K	H250C6KHAAC2	25.2	4735	16156	1130	4.19	-15~25	≤81	≤76	30/370	N-TEC
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208V-230V 60Hz

S	☆6SS052FA(铝线)	5.2	710	2423	285	2.49	-15~25	≤81	≤76	15/370	N-TEC
S	☆6SS084FAAC2	8.4	1125	3839	356	3.16	-15~25	≤81	≤76	10/370	N-TEC
R	H086C6RFAAC2	8.6	1581	5394	376	4.20	-15~31	≤81	≤76	12/400	N-TEC
R	H092C6RFAAC2	9.2	1677	5722	397	4.22	-15~25	≤81	≤76	12/400	N-TEC
R	☆H124C6RFAAC2	12.4	2265	7728	540	4.19	-15~31	≤81	≤76	30/370	N-TEC
V	6VS355FAA21	35.6	6670	22758	1600	4.17	-15~31	≤85	≤81	50/370	N-TEC
V(2P)	6VD485FAB21	48.8	9230	31493	2310	4.00	-15~31	≤81	≤76	50/400	N-TEC

R134a/R513A

DC inverter 60Hz

R(2P)	☆6RD220ZA*	22.0	4215	14382	980	4.30	-15~25	≤81	≤76	-	N-TEC
R(2P)	☆6RD310ZA*	31.0	6027	20564	1375	4.38	-15~25	≤81	≤76	-	N-TEC
V(2P)	H420D6VZAAC2	42.0	8305	28336	2310	4.08	-15~25	≤76	≤71	-	N-TEC

R1234ze

220-240V 50Hz

R	H092CFREAAC4	9.2	1378	4702	333	4.14	-15~25	≤81	≤76	30/370	N-TEC
R	H124CFREAAC4	12.4	1836	6264	446	4.12	-15~25	≤81	≤76	30/370	N-TEC
P	H174CFPEAAC4	17.4	2610	8905	620	4.21	-15~25	≤81	≤76	45/370	N-TEC

R290

DC inverter 60Hz

S(2P)	7SD110ZAC61	11.0	2530	8632	540	4.69	-30~35	≤80	≤75	-	N-TEC
W(2P)	☆7WD138ZA*	13.8	4268	14562	757	5.64	-30~35	≤80	≤75	-	N-TEC
R(2P)	☆7RD138ZA*	13.8	4268	14562	748	5.71	-30~35	≤80	≤75	-	N-TEC
R(2P)	☆7RD220ZAA61	22.0	5115	17452	1140	4.49	-35~25	≤83	≤78	-	N-TEC
K(2P)	☆H330D7KZAAC6	33.0	8170	27876	1845	4.43	-30~25	≤83	≤78	-	N-TEC
K(2P)	H420D7KZAAC6	42.0	10285	35092	2210	4.65	-35~25	≤83	≤78	-	N-TEC

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制热量 Heating Capacity		输入功率 Input (W)	能效比 COP	蒸发温度 Evaporating Temp. (℃)	冷凝温度 Condensing Temp. (℃)	出水温度 Outlet Water Temp. (℃)	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)							

R290

DC inverter 60Hz

V(2P)	H550D7VZAAC6	55.1	13695	46727	3005	4.56	-30~25	≤83	≤78	-	N-TEC
V(2P)	☆H650D7VZAAC6	65.0	16515	56349	3745	4.41	-30~25	≤83	≤78	-	N-TEC
J(2P)	H800D7JZAAC6	80.0	19945	68052	4360	4.57	-30~25	≤83	≤78	-	N-TEC

220-240V 50Hz

T	☆7TS027EA*	2.7	550	1877	170	3.24	-20~25	≤65	≤60	15/400	N-TEC
T(2P)	☆7TD058EA*	5.8	1200	4094	375	3.20	-20~25	≤65	≤60	15/400	N-TEC

R410A

DC inverter 60Hz

R	H102C5RZ*	10.3	3689	12587	991	3.72	-30~25	≤65	≤60	-	N-JIS
R(2P)	H132D5RZ*	13.2	4774	16289	1315	3.63	-30~25	≤65	≤60	-	N-JIS
R(2P)	H160D5RZ*	16.1	6530	22280	1515	4.31	-30~25	≤65	≤60	-	N-TEC
K(2P)	H240D5KZ*	24.0	10000	34120	2510	3.98	-30~25	≤70	≤65	-	ARI
V(2P)	H420D5VZ*	42.4	18175	62013	4405	4.13	-30~25	≤70	≤65	-	ARI
V(2P)	H550D5VZAAC2	55.1	23625	80609	5605	4.21	-30~25	≤70	≤65	-	N-TEC
V(2P)	H550D5VZBAC2	55.1	23520	80250	5455	4.31	-30~25	≤65	≤60	-	N-TEC
V(2P)	H550D5VZD* (DC520V)	55.1	23675	80779	5505	4.30	-30~25	≤65	≤60	-	N-TEC
V(2P)	H650D5VZAAC2	65.0	28220	96287	6640	4.25	-30~25	≤65	≤60	-	N-TEC
V(2P)	H800D5JZAAC2	80.0	35715	121859	8750	4.08	-25~25	≤65	≤60	-	N-TEC

380V 50Hz 3PH

V	H295C5VB* (铝线)	29.5	9765	33318	2510	3.89	-25~25	≤65	≤60	-	N-TEC
V(2P)	☆5VD330BAA21	33.0	10820	36918	2845	3.80	-25~25	≤65	≤60	-	N-TEC
V(2P)	H340D5VBAAP2	34.2	11255	38402	2835	3.97	-25~25	≤65	≤60	-	N-TEC
V(2P)	H420D5VBAAP2	42.3	13120	44765	3320	3.95	-25~25	≤65	≤60	-	N-TEC

220V-240V 50Hz

K	H225C5KEAAC2 (铝线)	22.5	7665	26153	2110	3.63	-20~25	≤65	≤60	50/400	N-TEC
V	☆H270C5VEAA21 (铝线)	27.0	9025	30793	2335	3.87	-20~25	≤65	≤60	60/370	N-TEC
V(2P)	H340D5VEAAP2	34.2	11190	38180	2885	3.88	-25~20	≤60	≤55	55/400	N-TEC
V(2P)	H420D5VEAAP2	42.3	13175	44953	3440	3.83	-25~20	≤60	≤55	55/400	N-TEC

R22

220V-240V 50Hz

R	H086C2REAAC	8.6	1848	6305	453	4.08	-15~25	≤70	≤65	15/400	N-TEC
R	H086C2REBAC	8.6	1893	6459	453	4.18	-15~25	≤70	≤65	15/400	N-TEC
K	H225C2KEAAC	22.5	5045	17214	1225	4.12	-15~25	≤70	≤65	35/370	N-TEC
V	☆H335C2VEAAC	35.6	8120	27705	1980	4.10	-15~25	≤70	≤65	60/370	N-TEC

R454B

DC inverter 57.5Hz

R(2P)	KRD220Z*	22.0	8070	27535	1900	4.25	-30~25	≤65	≤60	-	ARI
K(2P)	KKD330Z*	33.0	12570	42889	2885	4.36	-30~25	≤65	≤60	-	ARI
K(2P)	☆KKD420Z*	42.0	16185	55223	3710	4.36	-30~25	≤65	≤60	-	ARI
K(2P)	☆KKD550Z*	55.0	22070	75303	5120	4.31	-30~25	≤65	≤60	-	ARI

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制热量 Heating Capacity		输入功率 Input (W)	能效比 COP	蒸发温度 Evaporating Temp. (℃)	冷凝温度 Condensing Temp. (℃)	出水温度 Outlet Water Temp. (℃)	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)							

R454C
DC inverter 60Hz

R(2P)	☆GRD220Z*	22.0	5663	19322	1544	3.67	-25~25	≤65	≤60	-	N-TEC
K(2P)	☆GKD330Z*	33.0	8840	30162	2075	4.26	-30~25	≤65	≤60	-	N-TEC
K(2P)	☆GKD420Z*	42.0	11240	38351	2630	4.27	-30~25	≤65	≤60	-	N-TEC
V(2P)	☆GVD550Z*	55.1	15020	51248	3480	4.32	-30~25	≤65	≤60	-	N-TEC
V(2P)	☆GVD650Z*	65.0	17600	60051	4140	4.25	-30~25	≤65	≤60	-	N-TEC

R32
220V-240V 50Hz

R	9RS072DAA21	7.2	2515	8581	560	4.49	-25~25	≤65	≤60	30/370	P-RAC
P	9PS102EAA21	10.2	3470	11840	770	4.51	-30~25	≤65	≤60	50/370	P-RAC
K	9KS205DAA21	20.5	7400	25249	1615	4.58	-30~25	≤65	≤60	60/400	P-RAC
V	☆9VS270DAA21	27.0	9655	32943	2075	4.65	-30~25	≤65	≤60	50/400	P-RAC
V(2P)	☆9VD330DAA21	33.0	12045	41098	2640	4.56	-30~25	≤65	≤60	55/400	P-RAC

R32/R410A
DC inverter 57.5Hz

R(2P)	9RD138ZFB21	13.8	5480	18698	1420	3.86	-25~25	≤65	≤60	-	P-JIS
P(2P)	9RD220ZAA21	22.0	8735	29804	2315	3.77	-30~25	≤65	≤60	-	P-JIS
K(2P)	9KD420ZBA21	42.0	16745	57134	4495	3.73	-30~25	≤65	≤60	-	P-JIS
V(2P)	9VD330XAB21	33.0	13100	44697	3380	3.88	-30~25	≤65	≤60	-	P-JIS
V(2P)	9VD420XAB21	42.3	16795	57305	4380	3.83	-30~25	≤65	≤60	-	P-JIS
V(2P)	9VD550ZAB21	55.1	21880	74655	5720	3.83	-30~25	≤65	≤60	-	P-JIS
V(2P)	9VD650ZAB21	65.0	25800	88030	6560	3.93	-30~25	≤65	≤60	-	P-JIS
V(2P)	9VD650ZFA21	65.0	25800	88030	6560	3.93	-30~25	≤68	≤63	-	P-JIS

R744
DC inverter 58Hz

C(涡旋)	8CS044ZAC64	4.4	4498	15347	1318	3.41	-	≤100	≤90	-	CO ₂
C(涡旋)	8CS044XHA64	4.4	4468	15245	1288	3.47	-	≤100	≤90	-	CO ₂

喷气增焓压缩机
EVI COMPRESSOR

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)														
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20
R290	DC inverter	K															
		V															
		J															
R410	DC inverter	R															
		K															
		V															
R32	DC inverter	J															
		R															
		K															
		V															
		J															

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制热量 Heating Capacity		输入功率 Input (W)	能效比 COP	蒸发温度 Evaporating Temp. (℃)	冷凝温度 Condensing Temp. (℃)	出水温度 Outlet Water Temp. (℃)	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)							

R290
DC inverter 60Hz

K(2P)	H330D7KZBAJ6	33.0	8230	28081	1880	4.38	-30~25	≤83	≤78	-	N-TEC
K(2P)	H420D7KZBAJ6	42.0	10445	35638	2390	4.37	-30~25	≤83	≤78	-	N-TEC
V(2P)	H550D7VZBAJ6	55.1	13600	46403	3060	4.44	-30~25	≤83	≤78	-	N-TEC
V(2P)	H650D7VZABJ6	65.0	16240	55411	3640	4.46	-30~25	≤83	≤78	-	N-TEC
V(2P)	H650D7VZCAJ6	65.0	15944	54401	3486	4.57	-30~25	≤83	≤78	-	N-TEC
J(2P)	H800D7JZAAJ6	80.0	19880	67831	4405	4.51	-30~25	≤83	≤78	-	N-TEC

R410A
DC inverter 60Hz

R	H102C5RZBAJ2	10.3	4250	14501	1020	4.17	-30~25	≤65	≤60	-	N-TEC
R(2P)	H138D5RZAAJ2	13.8	5590	19073	1330	4.20	-30~25	≤65	≤60	-	N-TEC
R(2P)	H220D5RZAAJ2	22.0	9035	30827	2240	4.03	-30~25	≤65	≤60	-	N-TEC
K(2P)	H240D5KZAAJ2	24.0	10295	35127	2610	3.94	-30~25	≤70	≤60	-	N-TEC
V(2P)	H420D5VZAAJ2	42.4	18260	62303	4490	4.07	-30~25	≤70	≤60	-	N-TEC
V(2P)	H550D5VZAAJ2	55.1	23585	80472	5615	4.20	-35~25	≤65	≤60	-	N-TEC
V(2P)	H550D5VZCAJ2	55.1	22720	77521	5615	4.05	-35~25	≤65	≤60	-	N-TEC
V(2P)	H650D5VZAAJ2	65.0	28060	95741	6660	4.21	-35~25	≤65	≤60	-	N-TEC
V(2P)	H650D5VZBAJ2	65.0	28275	96474	6665	4.24	-35~25	≤65	≤60	-	N-TEC
V(2P)	H650D5VZCAJ2	65.0	28390	96867	6795	4.18	-35~25	≤65	≤60	-	N-TEC
V(2P)	H650D5VZDAJ2	65.0	28380	96833	6660	4.26	-35~25	≤65	≤60	-	N-TEC
J(2P)	H800D5JZAAJ2	80.0	35080	119693	8530	4.11	-30~25	≤65	≤60	-	N-TEC

R32
DC inverter 57.5Hz

R(2P)	9RD138ZBA2J	13.8	5270	17981	1440	3.66	-30~25	≤65	≤60	-	P-JIS
K(2P)	9KD240ZAA2J	24.0	9440	32209	2580	3.66	-30~25	≤65	≤60	-	P-JIS
V(2P)	9VD550ZAA2J	55.1	22305	76105	5720	3.90	-35~25	≤65	≤60	-	P-JIS
V(2P)	9VD550ZCC2J	55.1	22540	76906	5835	3.86	-35~25	≤65	≤60	-	P-JIS
V(2P)	9VD550ZHB2J	55.1	24935	85078	6000	4.16	-35~25	≤65	≤60	-	ARI
V(2P)	9VD650ZAA2J	65.0	26455	90264	6765	3.91	-35~25	≤65	≤60	-	P-JIS
J(2P)	H800D9JZAAJ2	80.0	33685	114933	8805	3.83	-35~25	≤65	≤60	-	P-JIS

R32/R410A
DC inverter 60Hz

R(2P)	9RD220ZAA2J	22.0	9035	30827	2240	4.03	-35~25	≤65	≤60	-	P-JIS
K(2P)	9KD420ZAA2J	42.0	17755	60580	4310	4.12	-35~25	≤65	≤60	-	N-TEC
K(2P)	9KD420ZAA28	42.0	17890	61041	4285	4.18	-35~25	≤65	≤60	-	N-TEC
K(2P)	9KD550ZAA28	55.0	23170	79056	5600	4.14	-35~25	≤65	≤60	-	N-TEC
V(2P)	9VD550Z* (DC520V)	55.1	23520	80250	6090	3.86	-35~25	≤65	≤60	-	P-JIS
V(2P)	9VD650Z* (DC520V)	65.0	26455	90264	6765	3.91	-35~25	≤65	≤60	-	P-JIS
V(2P)	☆9VD650ZEB28	65.0	29655	101183	7145	4.15	-35~25	≤65	≤60	-	N-TEC

R32/R410A/R513A
DC inverter 57.5Hz

R(2P)	9RD138ZBB2J	13.9	5230	17845	1410	3.71	-35~25	≤65	≤60	-	P-JIS
R(2P)	9RD220ZAB2J	22.0	8670	29582	2440	3.55	-35~25	≤65	≤60	-	P-JIS
R(2P)	☆9RD310ZAA28	31.0	11665	39801	3165	3.69	-35~25	≤65	≤60	-	P-JIS

干衣机用压缩机
COMPRESSOR FOR CLOTHES DRYER

- 高能效泵体。
High-efficiency pump.
• 低噪音/低振动(双转子)。
Low noise and Low vibration (2 pistons).
- 小型轻量化。
Compact size and light weight.
• 高可靠性设计。
High-reliability design.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)											
			0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
R134a	DC inverter	T												
		S												
	220-240V 50Hz	T												
		S												
		R												
		S												
R290	DC inverter	T												
		S												

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	冷凝温度 Condensing Temp. (°C)	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)					

R134a
DC inverter 57.5Hz

T(2P)	6TD046X*	4.6	975	3327	342	2.85	≤70	-	HPD
T(2P)	☆6TD052Z*	5.2	1095	3736	327	3.35	≤81	-	HPD
T(2P)	6TD058Z*	5.8	1200	4094	375	3.20	≤77	-	HPD
T(2P)	6TD068X*	6.8	1417	4835	510	2.78	≤70	-	HPD
T(2P)	6TD075X*	7.5	1549	5285	562	2.76	≤70	-	HPD
T(2P)	6TD075Z*	7.5	1570	5357	565	2.78	≤70	-	HPD
T(2P)	6TD078Z*	7.8	1635	5579	552	2.96	≤81	-	HPD
S	☆6SS072X*	7.3	1605	5476	432	3.72	≤81	-	HPD
S	☆6SS075X*	7.5	1615	5510	429	3.76	≤81	-	HPD
S	☆6SS080X*	8.0	1695	5783	462	3.67	≤81	-	HPD
S(2P)	☆6SD092X*	9.2	1890	6449	515	3.67	≤81	-	HPD

220-240V 50Hz

T(2P)	☆6TD075E*	7.5	1230	4197	449	2.74	≤75	10/400	HPD
S	☆6SS064E*	6.4	1130	3856	338	3.34	≤81	10/400	HPD
S	H072C6SE*	6.4	1285	4384	442	2.91	≤76	10/370	HPD
S	☆6SS070E*	7.0	1246	4251	408	3.05	≤76	15/370	HPD
S	☆6SS080E*	8.0	1425	4862	461	3.09	≤76	15/370	HPD
R	6RS086E*	8.6	1518	5179	502	3.02	≤70	17/400	HPD
R	☆6RS102E*	10.2	1799	6138	601	2.99	≤75	17/400	HPD
R	6RS114E*	11.4	2009	6855	662	3.03	≤80	15/400	HPD

220-230V 60Hz

S	H060C6SH*	6.0	1275	4350	441	2.89	≤81	10/370	HPD
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208-230V 60Hz

S	H060C6SF*	6.0	1285	4384	445	2.89	≤80	10/370	HPD
S	H072C6SF*	7.2	1545	5272	530	2.92	≤80	10/370	HPD

R290

DC inverter 57.5Hz

T(2P)	☆7TD052Z*	5.2	1325	4521	443	2.99	≤75	-	HPD
T(2P)	☆7TD058Z*	5.8	1476	5036	499	2.96	≤75	-	HPD
T(2P)	7TD062Z*	6.2	1500	5118	525	2.86	≤75	-	HPD
S	☆7SS064Z*	6.4	1636	5582	478	3.42	≤81	-	HPD

除湿机用压缩机
COMPRESSOR FOR DEHUMIDIFIER

- 高能效泵体。
High-efficiency pump.
• 低噪音/低振动(双转子)。
Low noise and vibration (2 pistons).
- 小型轻量化。
Compact size and light weight.
• 全球电源阵容。
Global power lineup.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																
			0.3	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	10	
R134a	DC inverter	T																	
		S																	
	100V 50Hz/60Hz	C(涡旋)																	
		T																	
	110V 60Hz	T																	
		S																	
	115V 60Hz	T																	
		S																	
220-240V 50Hz	T																		
	S																		
	220V 60Hz	T																	
		S																	
R290	DC inverter	T																	
		S																	
	220-240V 50Hz	T																	
		S																	
		R																	
		P																	
		K																	
R410A	110V 60Hz	S																	
		R																	
	115V 60Hz	R																	
		S																	
220-240V 50Hz	R																		
	P																		
	K																		
	V																		
R454C	220-240V 50Hz	R																	
		P																	
		K																	
		V																	

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R134a
DC inverter 57.5Hz

T(2P)	6TD052XAA41	5.2	710	2423	220	3.23	-	N-TEC
T(2P)	6TD058XDA41	5.8	785	2678	244	3.22	-	N-TEC
T(2P)	6TD068XAA41	6.8	910	3105	331	2.75	-	N-TEC
T(2P)	6TD075ZBA41	7.5	1010	3446	362	2.79	-	N-TEC
T(2P)	6TD078XAA41	7.9	1045	3566	328	3.19	-	N-TEC
S(2P)	☆6SD092ZAA41	9.2	1200	4094	347	3.46	-	N-TEC
C(涡旋)	☆6CS130ZAA21	13.1	3985	13597	1276	3.12	-	N-TEC

100V 50Hz/60Hz

T	6TS035SFA41	3.5	382/450	1303/1535	153/170	2.50/2.65	20/200	N-TEC
T	6TS038SAA41(铝线)	3.8	415/505	1416/1723	236/233	1.76/2.17	20/200	N-TEC
T(2P)	6TD046SDA41	4.6	490/595	1672/2031	202/220	2.43/2.70	20/200	N-TEC
T(2P)	6TD058SAA41	5.9	610/715	2081/2440	285/301	2.14/2.38	20/200	N-TEC

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R134a
100V 50Hz/60Hz

T(2P)	6TD060SAA41 (铝线)	6.0	590/705	2013/2406	356/345	1.65/2.04	22.5/200	N-TEC
T(2P)	6TD068SEA41	6.8	720/865	2457/2952	295/335	2.44/2.58	30/200	N-TEC
T(2P)	6TD075SDA41	7.5	815/990	2781/3378	335/360	2.43/2.75	35/200	N-TEC

110V 60Hz

T	6TS026TAA41	2.6	342	1167	125	2.74	15/200	N-TEC
T	6TS026TBA41	2.6	350	1194	118	2.97	15/200	N-TEC
T	6TS027TAA41	2.7	366	1249	141	2.60	20/200	N-TEC
T	☆6TS032TAB41	3.2	425	1450	150	2.83	15/200	N-TEC
T	6TS035TGB41	3.5	464	1583	167	2.78	15/200	N-TEC
T(2P)	6TD042TAA41	4.3	555	1894	196	2.83	15/200	N-TEC
T(2P)	6TD048TBA41	4.8	610	2081	215	2.84	15/200	N-TEC
T(2P)	6TD052TAA41	5.3	675	2303	240	2.81	15/200	N-TEC
T(2P)	6TD058TCA41	5.9	745	2542	270	2.76	15/200	N-TEC
T(2P)	6TD060TAA41	6.0	765	2610	273	2.80	15/200	N-TEC
T(2P)	6TD062TAA41	6.2	805	2747	285	2.82	25/200	N-TEC
T(2P)	6TD068TCA41	6.8	850	2900	307	2.77	25/200	N-TEC
T(2P)	6TD075TBA41	7.5	950	3241	338	2.81	15/200	N-TEC
T(2P)	6TD078TAA41	7.9	1035	3531	368	2.81	30/200	N-TEC
S	6SS052TBA41	5.2	685	2337	232	2.95	20/200	N-TEC
S	6SS060TCB41	6.0	800	2730	269	2.97	30/200	N-TEC
S	6SS064TAA41	6.4	845	2883	287	2.94	30/200	N-TEC

115V 60Hz

T(2P)	6TD046UBA41	4.6	600	2047	242	2.48	20/210	N-TEC
T(2P)	6TD068UAA41	6.8	850	2900	380	2.24	30/210	N-TEC

220V-240V 50Hz

T	6TS027EAA41	2.7	300	1024	128	2.34	5/400	N-TEC
T	6TS035EDA41	3.5	372	1269	154	2.41	5/400	N-TEC
T(2P)	6TD042EAA41	4.3	457	1560	177	2.58	10/370	N-TEC
T(2P)	6TD046EDA41	4.6	478	1631	181	2.64	7.5/370	N-TEC
T(2P)	6TD048EAA21	4.8	500	1706	195	2.56	7.5/400	N-TEC
T(2P)	6TD052DAA41	5.3	570	1945	209	2.73	7/370	N-TEC
T(2P)	6TD058EBA41	5.9	615	2098	230	2.67	10/370	N-TEC
T(2P)	6TD062EAA41	6.2	655	2235	245	2.67	10/370	N-TEC
T(2P)	6TD068ECE41	6.8	710	2425	264	2.69	10/400	N-TEC
T(2P)	6TD068EFA41(铝线)	6.8	710	2423	298	2.38	10/370	N-TEC
T(2P)	6TD075EFA41(铝线)	7.5	790	2695	349	2.26	10/370	N-TEC
T(2P)	6TD075EBA41	7.5	790	2685	292	2.71	10/400	N-TEC
T(2P)	6TD078EBA41	7.9	820	2798	305	2.69	10/370	N-TEC
S	6SS064ECA41	6.4	710	2423	262	2.71	12.5/400	N-TEC
S	6SS072EAA41	7.2	795	2698	282	2.82	12.5/400	N-TEC

220V 60Hz

T	6TS026HAA41	2.6	352	1201	135	2.61	7.5/370	N-TEC
T	6TS027HAA41	2.7	365	1245	142	2.57	7.5/370	N-TEC
T	6TS035HBA41	3.5	467	1593	169	2.76	7/370	N-TEC
T(2P)	6TD058HBA41	5.9	760	2593	265	2.87	8/370	N-TEC
T(2P)	6TD068HBA41	6.8	855	2918	300	2.85	8/370	N-TEC
T(2P)	6TD075HAA41	7.5	960	3276	371	2.59	12.5/370	N-TEC
S	6SS060HAA41	6.0	805	2747	268	3.00	7.5/370	N-TEC

系列 Series	机种名 Model	排量 Displace- ment (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R290
DC inverter 57.5Hz

T(2P)	☆7TD046ZAA61	4.6	795	2713	280	2.84	-	N-TEC
T(2P)	7TD058ZCA61	5.9	1005	3429	350	2.87	-	N-TEC
T(2P)	7TD075ZCB61	7.5	1345	4589	470	2.86	-	N-TEC
T(2P)	☆7TD075ZDB61	7.5	1340	4572	380	3.53	-	N-TEC
S(2P)	7SD110ZAA61	11.2	1990	6790	570	3.49	-	N-TEC

220V-240V 50Hz

T	☆7TS035EB*	3.5	485	1655	185	2.62	5/370	N-TEC
T(2P)	7TD052EB*	5.2	735	2508	265	2.77	15/370	N-TEC
T(2P)	☆7TD068EA*	6.8	952	3248	371	2.57	15/370	N-TEC
T(2P)	7TD075EA*	7.5	1050	3583	407	2.58	12.5/400	N-TEC
S	☆7SS064EA*	6.4	950	3241	331	2.87	15/370	N-TEC
R	☆7RS102EA*	10.3	1521	5190	492	3.09	20/400	N-TEC
R	☆7RS132EA*	13.2	1943	6630	628	3.09	15/460	N-TEC
P	☆7PS192EA*	19.2	2830	9656	905	3.13	35/370	N-TEC
K	☆7KS280EA*	28.2	4110	14023	1360	3.02	50/370	N-TEC
V	☆7VS355EA*	35.6	5475	18681	1665	3.29	65/370	N-TEC
V(2P)	☆7VD485EA*	48.8	7505	25607	2430	3.09	55/370	N-TEC

R410A
110V 60Hz

S	5SS042TAA21	4.2	1160	3958	455	2.55	20/200	N-TEC
S	5SS052TAA21	5.2	1410	4811	540	2.61	20/200	N-TEC

115V 60Hz

R	5RS072UAA21	7.3	2055	7012	730	2.82	35/250	N-TEC
R	5RS080UAA21	8	2260	7711	800	2.83	35/250	N-TEC

220V-240V 50Hz

S	5SS042EAB21	4.2	960	3276	380	2.53	15/370	N-TEC
R	☆5RS072EBA21(铝线)	7.2	1715	5852	605	2.83	15/375	N-TEC
R	☆5RS092EBA21(铝线)	9.2	2160	7370	785	2.75	20/400	N-TEC
P	☆5PS088EA(铝线)	8.8	2070	7063	785	2.64	35/370	N-TEC
P	☆5PS096EA(铝线)	9.6	2285	7796	900	2.54	35/370	N-TEC
P	5PS108EB(铝线)	10.8	2604	8885	946	2.75	35/370	N-TEC
P	5PS136EAA21(铝线)	13.6	3235	11038	1215	2.66	35/370	N-TEC
P	5PS146EB(铝线)	14.6	3606	12304	1372	2.63	40/370	N-TEC
K	☆5KS170EBA21(铝线)	17	4175	14245	1516	2.75	40/370	N-TEC
V	☆H420D5VE*(铝线)	42.0	9555	32602	3830	2.49	40/400	N-TEC

R454C
220-240V 50Hz

R	☆GRS102EA41	10.3	1600	5459	610	2.62	20/400	N-TEC
R	GRS132EAA41	13.2	2000	6824	730	2.74	15/460	N-TEC
P	GPS192EAA41	19.1	2810	9588	1100	2.55	35/370	N-TEC
K	GKS280EAA41	28.2	4300	14672	1600	2.69	50/370	N-TEC
V	GVS355EAA41	35.5	5460	18630	1850	2.95	65/370	N-TEC
V(2P)	☆GVD485EA	48.8	7460	25454	2605	2.86	55/370	N-TEC

微型及便携式空调用压缩机

COMPRESSOR FOR MICRO AND PROTABLE A/C

- 安装尺寸微型化，超轻便型设计，可适用于各种便携式制冷设备。
Installation size miniaturization and ultra-lightweight design, can be applied to a vareity of portable refrigerant equipments.
 - 高效直流变频设计，宽频运转，能力范围广。
High efficienct design of DC inverter, wide frequency operation, wide range of capacity.
- 端子盖与接线一体化设计。
Terminal cover and wiring integrated design, safe and reliable.
 - 低噪化专利运用，静音无察觉运行。
Low noise patent application, silent and imperceptible operation.

端子盖与接线一体化设计

Terminal cover and wiring integrated design

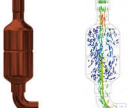


- 端子盖与接线一体化设计，低减高度，节省安装空间，防尘防水效果好。
Terminal cover and wiring integrated design, height reduction, saving installation space. Good dustproof and waterproof effect.

高效低噪化专利运用

High efficiency and Low Noise Patent Application

- 低噪型一体化铜储液器。
Low noise integrated Cu Accumulator.
- 定子采用圆弧形激光焊，减少定子变形。
The stator is welded by circular arc laser.



产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)									
			0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
R134a	DC 24V/48V	M										
	DC inverter	M										
		T										
R290	DC 24V/48V	M										
		T										

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

R134a

DC 24V 75Hz

M	☆6MS014ZBA41	1.4	230	785	90	2.56	N-TEC
M	6MS020ZBA21	2.0	330	1126	140	2.36	N-TEC
T	6TD046ZBA41	4.6	762	2600	378	2.02	N-TEC

DC 48V 75Hz

M	6MS014ZAA41	1.4	230	785	90	2.56	N-TEC
M	6MS020ZAA41	2.0	330	1126	140	2.36	N-TEC
T(2P)	6TD075ZCA41	7.5	1287	4391	447	2.88	N-TEC

DC 280V 75Hz

M	☆6MS020ZCA41	2.0	345	1177	126	2.74	N-TEC
M	☆6MD030ZCA21	3.0	505	1723	195	2.59	N-TEC
M(2P)	☆6MD030ZCB21	3.0	510	1740	180	2.83	N-TEC
T(2P)	6TD075ZDA41	7.5	1260	4299	418	3.01	N-TEC

R290

DC 24V/48V/☆220V 57.5Hz

M	☆7MS020Z*	2.0	354	1209	150	2.36	N-TEC
M(2P)	☆7MD030ZCA61	3.0	494	1686	220	2.25	N-TEC

DC 48V 50Hz

T(2P)	7TD058ZCA61	5.8	1260	4299	380	3.32	N-TEC
T(2P)	7TD075ZBA61	7.5	1155	3941	372	3.10	N-TEC

车载用压缩机

COMPRESSOR FOR VEHICLE

驻车及房车用压缩机

COMPRESSOR FOR APV AND RV A/C

- 卧式/立式低背设计，满足本体低安装高度需求。
Horizontal/vertical low-height design, meeting the low height requirement of installation in the system.
 - 高效节能，宽频运转，秒速冷暖。
High efficiency and energy saving, wide frequency operation, fast heating and cooling.
- 高可靠性设计。
High reliability.
 - 不含铅环保设计，使用不锈钢材压板。
Pb-free environmentally firendly design, using SUS platen.

吸 / 排气管压板设计

Platen design of the suction/ discharge pipe



- 环保不锈钢材压板，不含铅；
Environmental protection SUS platen, free of Pb;
- 压板结构，无焊接作业。
Platen structure, no welding operation.

流体通路优化储液器设计

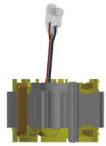
Fluid path optimized accumulator



- 半封闭滤网底座及挡板设计，改善冷媒流路。
Semi-closed filter base and baffle design to improve refrigerant flow path.

低电压马达设计

Low voltage motor



- 专用卷线方式的马达设计，达成超低反电动势，实现24V/48V电压下的运转。
Special coil motor with designing to achieve ultra-low back electromotive force, realizes the operation under 24V/48V voltage.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)									
			1	2	3	4	5	6	7	8	9	10
R134a	DC 24V	R										
	DC 280V	W										
R410A	DC 24V	R										
	DC 48V	R										

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

R134a

DC 24V 60Hz

R	☆C132C6RZAAC2	13.2	1920	6547	595	3.23	N-TEC
R(2P)	C160U6RZABC2	16.0	2280	7775	710	3.21	N-TEC

DC 280V 57.5Hz

W	9WS089ZCA01	8.9	2160	7370	785	2.75	P-JIS
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R410A

DC 24V 60Hz

R(2P)	C072U5RXAAC2	7.2	2160	7366	735	2.94	N-TEC
R(2P)	C092U5RXAAC2	9.2	2685	9156	910	2.95	N-TEC

R32/R410A/R407C

DC 48V 60Hz

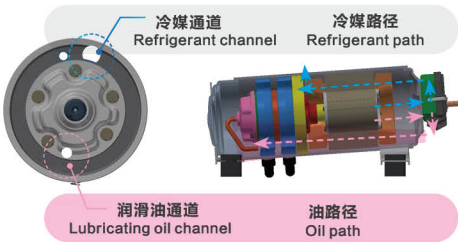
R(2P)	☆C138U5RZAAC2	13.8	4230	14433	1325	3.19	N-TEC
R(2P)	C160U5RZAAC2	16.0	4835	16497	1040	4.65	N-TEC

大巴及电池热管理用压缩机
BMS COMPRESSOR

- 卧式/立式低背设计, 满足本体低安装高度需求。
Horizontal/vertical low-height design, meeting the low height requirement of installation in the system.
- 超低温EVI专利技术搭载, 低环温可靠运行, 适用范围广。
Ultra-low temperature patented technology of EVI, reliable operation in low temperature, and wide range of application.
- 压力差式腔体结构设计, 保证卧式压缩机强制供油。
Pressure differential cavity structure design ensures forced oil supply for the horizontal compressor.
- 专用IP67防水密封设计。
Special IP67 waterproof sealing design.

压力差式腔体结构设计

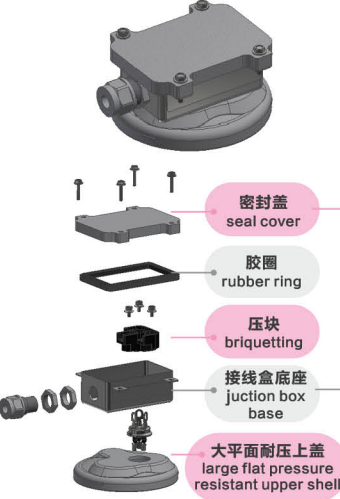
Pressure differential cavity structure design



- 对冷媒与润滑油通道优化, 减少油吐出, 确保油面。
Separation of refrigerant and lubricating oil channels with less oil discharge and guaranteed oil level.

专用 IP67 防水设计

Special IP67 waterproof design



- 激光密封焊接工艺
Laser seal welding process
→焊接 vs 密封胶
welding vs sealing glue
a. 无胶水无焊料, 绿色环保
Without glue and solder, eco-friendly
b. 杜绝胶水老化风险, 防水防尘长效保证
Eliminate the aging risk of glue, long-term guarantee of waterproof and dustproof.
- 金属端子盒
Metal terminal box
→金属 vs 塑料
metal vs plastic
a. 硬度加强, 防爆安全升级
Hardness enhanced, explosion-proof safety upgraded.
b. 耐久度增加, 寿命更长
Durability increased and longer service life.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)															
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22
R134a/R407C	DC 520V	K																
		V																
R410A	DC 520V	R																
		V																

系列 Series	机种名 Model	排量 Displacement (cm ³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	测试条件 Test Condition
			(W)	(BTU/h)			

R134a/R407C
DC 520V 60Hz

V(2P)	☆C420D6KZAAC2	42.0	6270/13235	21393/45158	2035/4205	3.08/3.15	N-TEC
V(2P)	C420U6VZAAC2	42.4	5680/8860	19380/30230	2070/3090	2.74/2.78	N-TEC
V(2P)	☆C650D6VZAAC2	65.0	9295/21580	31734/73631	2900/4205	3.49/3.21	N-TEC
V(2P)	C650U6VZAAC2	65.0	10080	34393	2970	3.39	N-TEC

R410A
DC 520V 57.5Hz

R(2P)	C198D5RZAAC2	19.8	5850	19960	1940	3.02	ARI
R(2P)	C220D5RZABC2	22.0	6700	22860	2150	3.12	ARI
V(2P)	5VL420ZAA21	42.4	12500	42625	4200	2.98	ARI
V(2P)	☆C550D5VZAAC2	55.1	18020	61445	5855	3.08	N-TEC
V(2P)	☆C650D5VZAAC2	65.0	21580	73585	6910	3.12	N-TEC
V(2P)	C650U5VZAAC2	65	19950	68069	6630	3.01	ARI
V(2P)	☆C420U5VZAAJ2	42.4	12490	42591	4055	3.08	ARI
V(2P)	☆C650U5VZAAJ2	65.0	19150	65302	6260	3.06	ARI

特殊领域用压缩机
COMPRESSOR FOR SPECIAL FIELD

机柜/基站空调用压缩机

COMPRESSOR FOR BASE STATION AND CABINET A/C

- 高可靠性设计。
High reliability design
- 宽频运转, 适用范围广。
Wide frequency operation, wide range of application.
- DC48V全阵容覆盖。
DC 48V full lineup coverage operated.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)									
			0.3	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
R134a	DC 48V	T										
		R										
	220-240V 50Hz/60Hz	T										
		S										
	220-240V 50Hz	R										
		T										
		S										
		R										
		P										
		K										

系列 Series	机种名 Model	排量 Displacement (cm ³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R134a
DC 48V 60Hz

T	6TS035ZAA41	3.5	470	1604	155	3.03	-	N-TEC
R	6RS092ZAA21	9.2	1340	4572	405	3.31	-	N-TEC
R	6RS132ZAA21	13.2	1925	6568	575	3.35	-	N-TEC
R(2P)	6RD198ZAA21	19.8	2860	9758	870	3.29	-	N-TEC
R(2P)	6RD220ZAA21	22.0	3205	10935	950	3.37	-	N-TEC

220-240V 50Hz/60Hz

T	6TS027AAA21	2.7	304/369	1037/1259	167/157	1.82/2.35	7.5/400	N-TEC
T	6TS035AAA41	3.5	387/472	1320/1610	185/185	2.09/2.55	7.5/400	N-TEC
T(2P)	6TD046AAA41	4.6	500/595	1707/2031	240/235	2.08/2.53	7.5/400	N-TEC
S	6SS064AAA21	6.4	720/860	2457/2934	297/365	2.42/2.35	20/400	N-TEC
R	6RS092AAA21	9.2	1055/1265	3600/4316	359/426	2.93/2.97	15/400	N-TEC
R	6RS114AAA21	11.4	1280/1550	4367/5289	472/540	2.71/2.87	15/400	N-TEC
R	6RS124AAA21	12.4	1420/1700	4845/5801	469/545	3.02/3.12	20/400	N-TEC

220-240V 50Hz

T(2P)	6TD046EAA41	4.6	480	1638	205	2.34	10/400	N-TEC
S	6SS052EAA41	5.2	570	1945	240	2.38	15/400	N-TEC
S	6SS064ECA41	6.4	705	2405	290	2.43	10/400	N-TEC
S	6SS072EAA41	7.2	790	2695	340	2.32	15/400	N-TEC
R	6RS102ECB21	10.2	1195	4077	390	3.06	15/370	N-TEC
P	6PS174EAA21	17.4	1965	6705	645	3.05	30/370	N-TEC
K	6KS250EAA21	25.0	2865	9775	890	3.22	30/370	N-TEC

设备冷却用压缩机
COMPRESSOR FOR EQUIPMENT COOLING SYSTEM

- 高可靠性设计。
High reliability design.
 - 宽频运转, 适用范围广。
Wide frequency operation, wide range of application.
- 全球电源设计。
Global power design.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)										
			0.5	1	2	3	4	5	6	7	8	9	
R22	380V 50Hz 3PH	P											
		K											
		V											
R407	380V 50Hz 3PH	P											
		K											
		V											
R1234yf/ze	DC inverter	T											
		R											
		V											
	200V 50/60Hz 3PH	P											
		K											
		V											
	200V 50/60Hz	T											
		R											
		S											
	220-240V 50Hz/60Hz	R											
		P											
		K											
	220-240V 50Hz	R											
		P											
		K											

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R22
380V 50Hz 3PH

P	2P11R385AUA	10.3	1695	5783	570	2.97	—	N-TEC
P	2P14R385AUA	14.1	2340	7984	775	3.02	—	N-TEC
P	2P17S385AUA	16.4	2800	9554	905	3.05	—	N-TEC
K	2P20S385AUA	19.9	3385	11550	1090	3.11	—	N-TEC
K	2K22S385AUA	22.5	3845	13119	1275	3.02	—	N-TEC
K	2K23S385AUA	23.5	4005	13665	1305	3.07	—	N-TEC
V	2K28C385AUA	28.2	4665	15917	1585	2.94	—	N-TEC
V(2P)	2V43W385AUA	42.1	7335	25027	2215	3.31	—	N-TEC
V(2P)	2V44W385AUA	44.1	7670	26170	2405	3.19	—	N-TEC
V(2P)	2V47W385AUA	47.2	8235	28098	2555	3.22	—	N-TEC
V(2P)	2V49W385AUA	48.8	8495	28985	2635	3.22	—	N-TEC

系列 Series	机种名 Model	排量 Displacement (cm³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R407C
380V 50Hz 3PH

P	4PS140BAA21	14.1	2385	8138	810	2.94	—	N-TEC
P	4PS164BAA21	16.4	2790	9519	945	2.95	—	N-TEC
V(2P)	4VD440BAA21	44.1	7490	25556	2640	2.84	—	N-TEC
V(2P)	4VD470BAA21	47.2	8190	27944	2780	2.95	—	N-TEC

R1234yf/ze
DC inverter 57.5Hz

T(2P)	1TD058ZAA41	5.9	790	2695	280	2.82	—	N-TEC
T(2P)	1TD075ZAA41	7.5	1040	3548	356	2.92	—	N-TEC
R(2P)	1RD132ZAA41	13.2	1945	6636	575	3.38	—	N-TEC
R(2P)	1RD198XAA41	19.8	2775	9468	780	3.56	—	N-TEC
V(2P)	1VD330XAA41	33.0	4830	16480	1355	3.56	—	N-TEC
V(2P)	1VD420XAA41	42.3	6300	21496	1740	3.62	—	N-TEC

200V 50/60Hz 3PH

P	1PS192MAA41	19.1	2130/2530	7268/8633	665/810	3.20/3.12	—	N-TEC
K	1KS280MAA41	28.0	3140/3765	10714/12847	1025/1255	3.06/3.00	—	N-TEC
V(2P)	1VD485MAA41	48.8	5925/7120	20216/24293	1785/2200	3.32/3.24	—	N-TEC

200V 50/60Hz

T	1TS035KAA41	3.5	377/459	1286/1566	175/187	2.15/2.45	5/370	N-TEC
T(2P)	1TD068KAA41	6.8	710/845	2423/2883	312/338	2.28/2.20	10/370	N-TEC
T(2P)	1TD075KAA41	7.5	820/995	2798/3395	334/352	2.46/2.83	17/370	N-TEC
R	1RS102KAA41	10.3	1210/1440	4129/4913	417/486	2.90/2.96	15/370	N-TEC
R	1RS132KAA41	13.2	1530/1835	5220/6162	520/605	2.94/3.03	20/370	N-TEC

220-240V 50Hz/60Hz

S	1SS072ABA41	7.3	830/990	2832/3378	347/353	2.39/2.80	30/330	N-TEC
R	1RS102AAA41	10.3	1211/1444	4132/4927	463/570	2.62/2.53	20/430	N-TEC
P	1PS132AAA41	13.2	1510/1815	5152/6193	505/625	2.99/2.90	30/350	N-TEC
P	1PS192AAA41	19.1	2170/2605	7404/8888	805/865	2.70/3.01	35/350	N-TEC
K	1KS280AAA41	28.2	3270/3965	11157/13529	1060/1270	3.08/3.12	40/400	N-TEC

220-240V 50Hz

R	1RS102EAA41	10.3	1205	4111	430	2.80	20/400	N-TEC
R	1RS132EAA41	13.2	1350	4606	520	2.60	15/460	N-TEC
P	1PS192EAA41	19.1	2160	7370	740	2.92	35/370	N-TEC
K	1KS280EAA41	28.0	3290	11225	1070	3.07	50/300	N-TEC

储能电池舱温控用压缩机

COMPRESSOR FOR ENERGY STORAGE BATTERY CABIN TEMPERATURE CONTROL

- 高能效泵体。
High efficiency pump.
- 高可靠性设计。
High reliability design.
- 宽频运转, 适用范围广。
Wide frequency operation, wide range of application.
- 专用IP67防水密封设计。
Special IP67 waterproof sealing design.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)																							
			1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24							
R134a	DC inverter	R																								
		K																								
		V																								
	200~240V 50Hz	K																								
		V																								
R410A	DC inverter	K																								
		V																								
	380V 50Hz 3PH	P																								
		V																								
R513A	DC inverter	R																								
		V																								
	220~240V 50Hz	P																								
R32	DC inverter	K																								
		V																								

系列 Series	机种名 Model	排量 Displacement (cm ³)	制冷量 Cooling Capacity		输入功率 Input (W)	能效比 COP	运行电容 Run Capacitor (μF/V)	测试条件 Test Condition
			(W)	(BTU/h)				

R134a

DC inverter 60Hz

R(2P)	☆6RD220ZBA21	22.0	3100	10577	920	3.37	-	N-TEC
K(2P)	6KD420ZAA21	42.0	3465	11823	1050	3.30	-	N-TEC
V(2P)	H650D6VZAAC2	65.0	9295	31715	2600	3.58	-	N-TEC
V(2P)	☆6VD650ZEA21	65.0	9295	31715	2900	3.21	-	N-TEC

220-240V 50Hz

K	6KS250EAA21	25.2	2865	9775	890	3.22	35/370	N-TEC
V	6VS355EAB21	35.6	4200	14330	1325	3.17	65/370	N-TEC

R410A

DC inverter 57.5Hz

K(2P)	5KD420ZCA21	42.0	13235	45158	4205	3.15	-	ARI
V(2P)	H650D5VZ*	65.0	21045	71806	6320	3.33	-	N-TEC

380V 50Hz 3PH

P	5PS132BAA21	13.2	3145	10731	1105	2.85	-	N-TEC
V	5VS270BAA21	27.4	8590	29309	2240	3.83	-	N-TEC

R513A

DC inverter 60Hz

R(2P)	☆6RD310ZAA22	31.0	4652	15873	1375	3.38	-	N-TEC
V(2P)	☆H420D6VZ*	42.0	6320	21564	2100	3.01	-	N-TEC
V(2P)	H650D5VZHAC2	65.0	10180	34734	3055	3.33	-	N-TEC

220-240V 50Hz

P	H198C6PEAAC2	19.8	2355	8035	740	3.18	30/370	N-TEC
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R32

DC inverter 60Hz

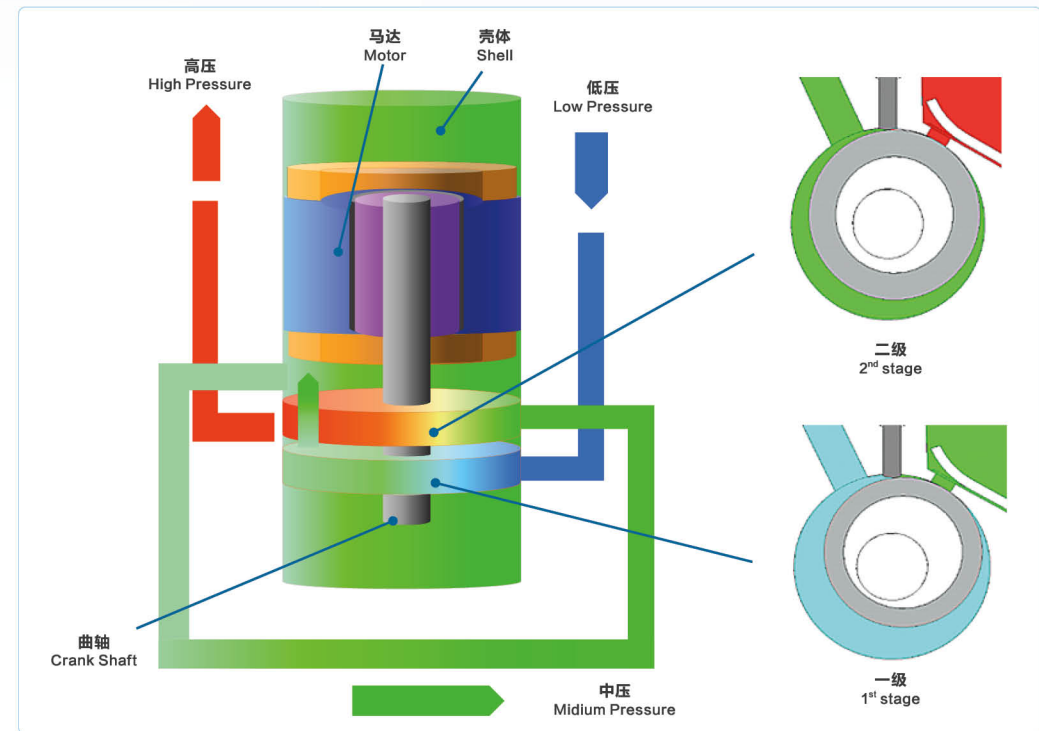
K(2P)	☆9KD420ZCB21	42.0	12250	41797	4560	2.69	-	P-JIS
V(2P)	☆H550D5VZDAC2	55.1	18030	61518	5430	3.32	-	N-TEC
V(2P)	☆9VD650ZEA21	65.0	22315	76139	6950	3.21	-	ARI

CO₂-15F/20F/33F系列转子压缩机

CO₂-15F/20F/33F SERIES ROTARY COMPRESSOR

- 采用CO₂自然工质。
Nature refrigerant CO₂.
- 创新双级压缩结构。
Two-stage compression structure.
- 有立式、卧式结构, 适用于各种设备安装。
With vertical and horizontal structure, suitable for installation on various devices.
- 直流变频驱动, 20~80rps 频率运转范围。
Driven by DC inverter, with operating frequency 20~80 rps.
- 高可靠性, 高能效, 轻量化。
High reliability, high efficiency, light weight.

双缸双级压缩机结构
Dual-cylinder, 2-stage compressor structure



单压缩机双级压缩方式

Single-compressor with two-stage compression method

内部中压结构, 解决跨临界运行的大压差, 提升压缩机运行可靠性。

Improve the operation reliability with the help of the internal medium pressure structure that solves large pressure difference in transcritical operation.

凭借优秀的机加工、装配技术和双级压缩腔设计

With excellent machining, assembly technology and two-stage compression chamber design

降低排气温度, 减小压缩负载, 大大提升制冷能力和 COP。

Greatly improve cooling capacity and COP by reducing exhaust temperature and compression load.

CO₂ 跨临界循环

CO₂ transcritical cycle

无冷凝属性, 高压侧温差跨越大, 可获得更高的热交换效率和高温热水。

Based on non-condensation characteristic, higher heating efficiency and higher outlet water temperature allowed by the large temperature difference on the high pressure side.

产品阵容 Product Lineup

制冷剂 Refrigerant	电源 Power	系列 Series	压缩机能力范围 Compressor capacity range (kW)											
			0.3	0.5	0.75	0.9	1.1	1.3	2HP	3HP	4HP	8HP	10HP	
CO ₂	1Φ200V 50Hz	15F												
	3Φ200V 50Hz	33F												
	3Φ380V 50Hz	20F												
		33F												

系列 Series	机种名 Model	压缩机代码 Code	额定 功率 Output (HP)	排量 Displace- ment (cm³)	测试条件 Test Condition					制冷量 Cooling Capacity	
					高压 High Pressure (Mpa)	低压 Low Pressure (Mpa)	吸气温度 Suction Temp. (°C)	阀前温度 Temp. before Expan- sion Valve (°C)	转速 (rps)	能力 Capacity (W)	入力 Input (W)

中/低温用 MEDIUM/LOW TEMPERATURE

1Φ 200V 50Hz (INV)

15F (卧式)	C-CHV113L0A	80494060	2.0	3.33/2.00	8.0	1.77	32.2	32.2	50.0	1045	713
15F (单缸)	C-1CV43M0A	80443070	0.5	1.28	9.0	2.90	35.0	35.0	50.0	540	310
15F	C-CV63M0A	80466070	0.8	2.00/1.30	9.0	2.90	35.0	35.0	50.0	1010	484
15F	C-CV163L0A	80439360	2.0	4.50/3.33	9.7	4.40	14.5	21.0	41.0	3720	885

3Φ 200V 50Hz (INV)

33F	8JV208XA0F	8JV208XA0F	10.0	20.80/14.56	8.0	1.77	32.2	32.2	40.0	5430	4240
33F	8JV208XA1F	8JV208XA1F	10.0	20.80/14.56	8.0	1.77	32.2	32.2	40.0	5430	4080
33F	☆C-CV753L0V	80415160	10.0	20.80/14.56	8.0	1.77	32.2	32.2	40.0	5430	4240

3Φ 380V 50Hz (INV)

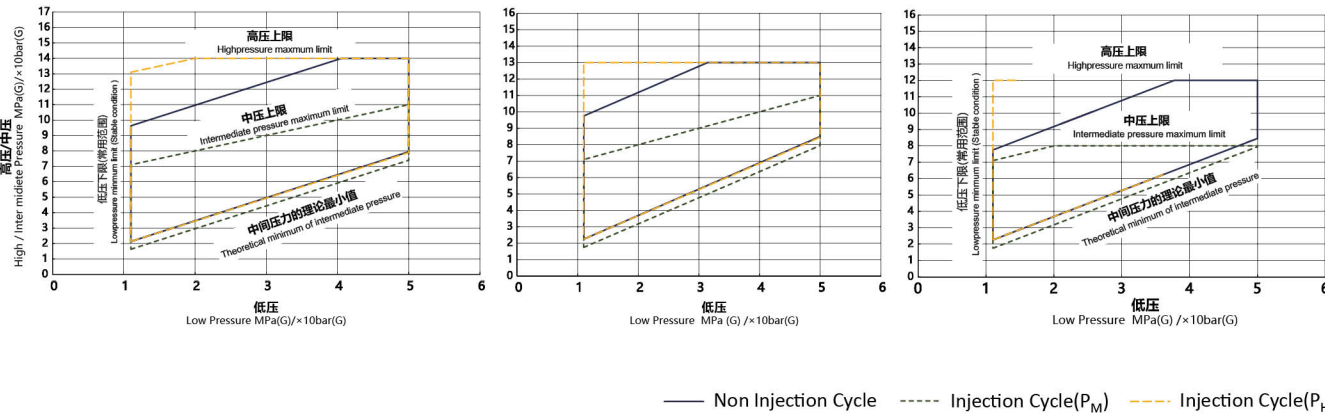
20F	8LV080ZA0F	8LV080ZA0F	4.0	8.00/5.60	8.0	1.77	32.2	32.2	50.0	2710	1825
33F	C-CV753L0U	80415260	10.0	20.80/14.56	8.0	1.77	32.2	32.2	40.0	5450	4100

高/中温用 HIGH/MEDIUM TEMPERATURE

3Φ 380V 50Hz (INV)

20F	C-CV303HOT	80428380	4.0	8.00/5.60	10.0	4.00	35.0	35.0	50.0	6410	2220
20F	T-RLC080V02B	T-RLC080V02B	4.0	8.00/5.60	10.0	3.97	30.0	40.0	60.0	6200	2700

CO₂-15F/20F/33F系列压缩机运行范围 (参考)
CO₂-15F/20F/33F SERIES ROTARY COMPRESSOR (FOR REFERENCE)



电动汽车压缩机
EV COMPRESSOR

产品特点 Product Features

小型

Miniaturized

- 涡旋小型化·销·环
Miniaturisation of Scroll & Pin & Ring
- 压缩机机构部的小型化
Compression mechanism section.
- 低噪音 / 低振动
Low noise and low vibration.

高效

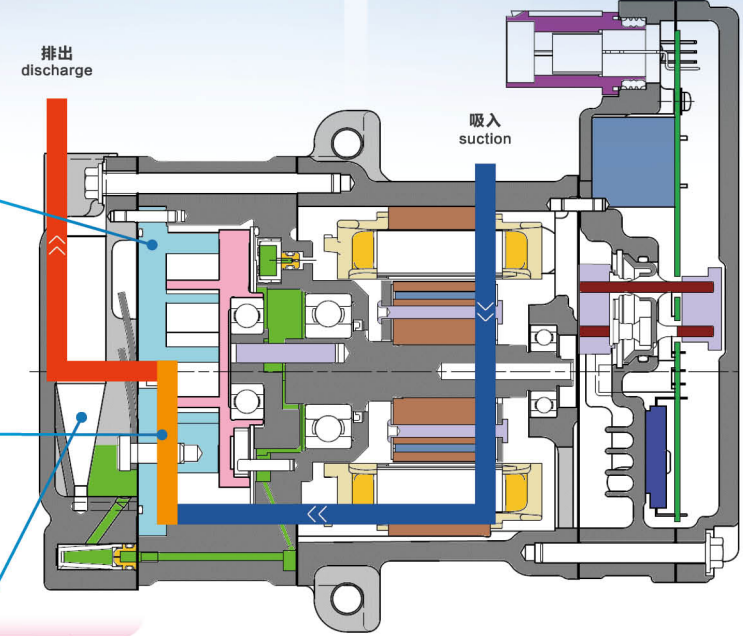
High-efficiency

- 涡旋加工·背压施加机构
Scroll processing · back pressure applying Mechanism
- 超高精度加工
Ultra-high precision machining
- 独立背压施加机构
Independent backpressure mechanism

旋转回油分离器

Rotary oil return separator

- OCR 降低
OCR reduction
- 系统效率改善
System efficiency improvement

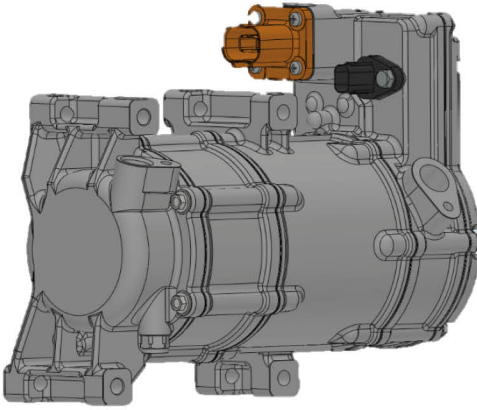


轻量

Lightweight

- 低压壳体结构
Low pressure Comp case structure
- 采用马达轻量·低耐热等级品
Adoption of motor light weight & Low heat-resistant graded products
- IPM 冷却性改善
Improvement of IPM coolness
- 变频器低温额定部件
Inverter low temperature rated parts
- 高耐腐蚀性密封垫圈
Highly corrosion-resistant sealing gaskets
- 耐压部件薄壁化
Thin-walled pressure-resistant parts

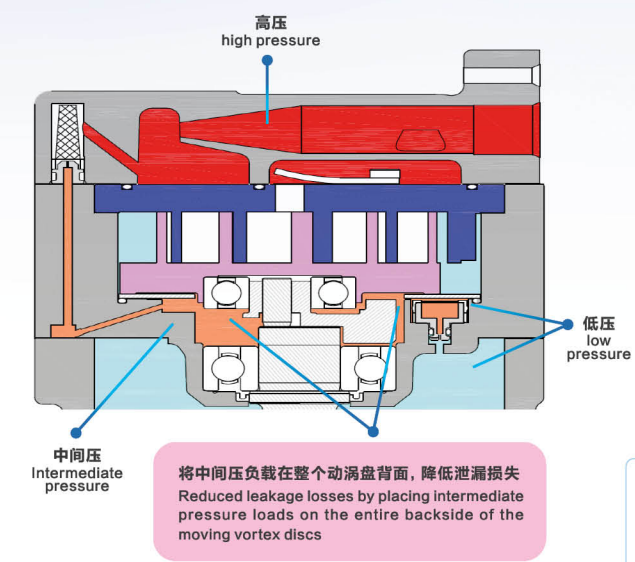
应用场景 Applications



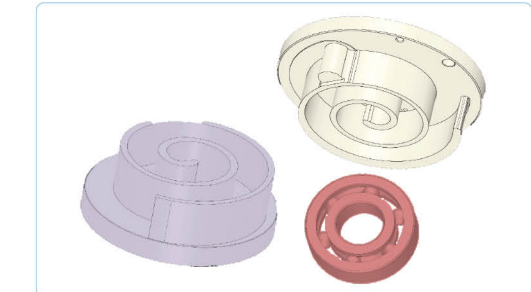
- 驾驶舱热管理 TMS for Passenger car
- 电池、电控热管理 TMS for Battery
- 超充热管理 TMS for Supercharge

技术优势 Technology advantage

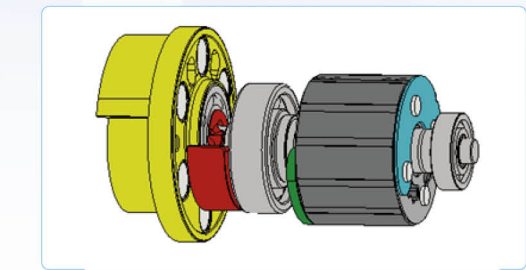
高效涡盘背压结构设计，实现高能效
High efficiency scroll disc back pressure structure design, to achieve high energy efficiency.



高耐磨表面处理 & 热处理，高可靠更稳定
High wear-resistant surface treatment & heat treatment, High reliability and stability.



优异轴系平衡设计，低噪音低振动
Superior shaft balancing design to reduce noise and vibration.



超高精度控制，1微米级涡盘加工技术
Ultra-high precision control, 1 micron level scroll disc processing technology.

高精度耐久性涂层立铣刀开发 (专用工具)
Development of high-precision durable coated end mills (special tools)

- 耐久寿命提高
Increased durability life
- 切削时间的缩短
Shortening of cutting time
- 硬度 UP
Hardness UP

机械加工用支架开发 (专用工具)
Development of holders for machining (special tools)

- 提高刀具振动精度
Improvement of tool vibration accuracy
- 刚性 UP
Rigid UP

客户获益 Customer Benefits

- 全车型排量布局，宽转速宽电压范围应用
All-model displacement layout, wide speed and voltage range applications
- 小型轻量化，节省安装空间，降低车辆重量
Small and lightweight, saves installation space and reduces vehicle weight
- 高能效、低功耗，提升整车续航
High energy efficiency and low power consumption to improve the whole vehicle range
- 静音无感，为乘员舱提供舒适环境
Silent and senseless, providing a comfortable environment in the passenger compartment
- 高可靠性稳定性，提供稳定安心的驾乘体验
High reliability and stability for a stable and reassuring driving experience

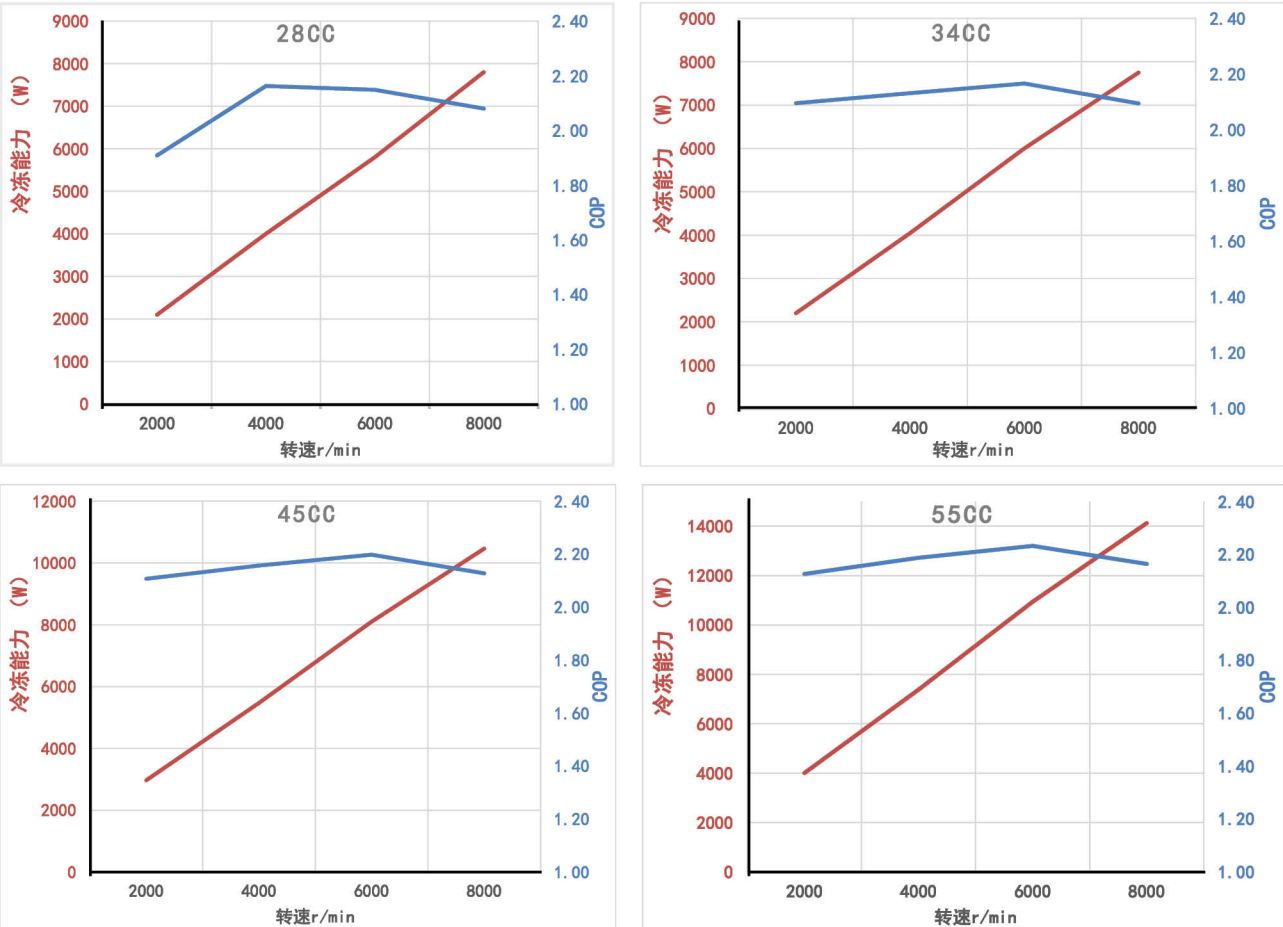
压缩机参数 Parameter

规格 Model	28cc	34cc	45cc	55cc
冷媒 Refrigerant	R134a or R1234yf			
排量 Displacement (cc/rev)	28	34	45	55
电压 Power type (V)	DC (240-410)		DC (350-950)	
转速范围 Speed range (rpm)	780-8300		780-8600	
通讯协议 Communication	LIN or CAN			
运转环境温度 Operation environment temperature(℃)	-25~120			
参考能效 Reference C.O.P.	2.14	2.16	2.2	2.25
参考动作音 (压缩机侧方1m) Reference Noise (dB)	63.2 max	67.4 max	69.3 max	70.6 max
压缩机尺寸D*L Size (mm)	123*212	123*222	122*274	122*274
压缩机重量 Weight (kg)	5.8	6.1	7.2	8.0

性能曲线 Performance curve

测试条件 Test Condition

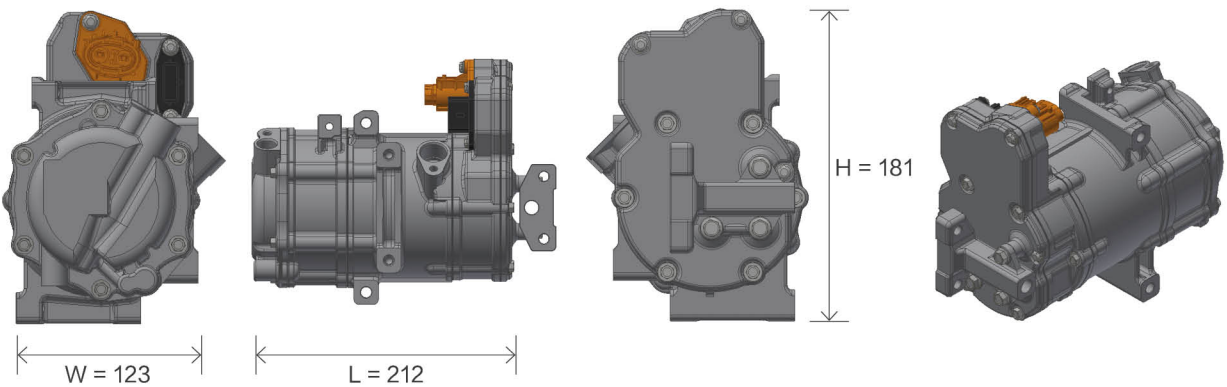
冷媒Refrigerant	HFC-134a	
额定电压Rated Voitage (V)	345V	750V
测试转速Test Speed (r/min)	6000	
排气压力 (表压) Discharge pressure (MPa)	1.47	
吸气压力 (表压) Suction pressure (MPa)	0.196	
吸气过热度Superheat temperature (℃)	10	
过冷温度Supercooling temperature (℃)	5	
环境温度Environment temperature (℃)	20	



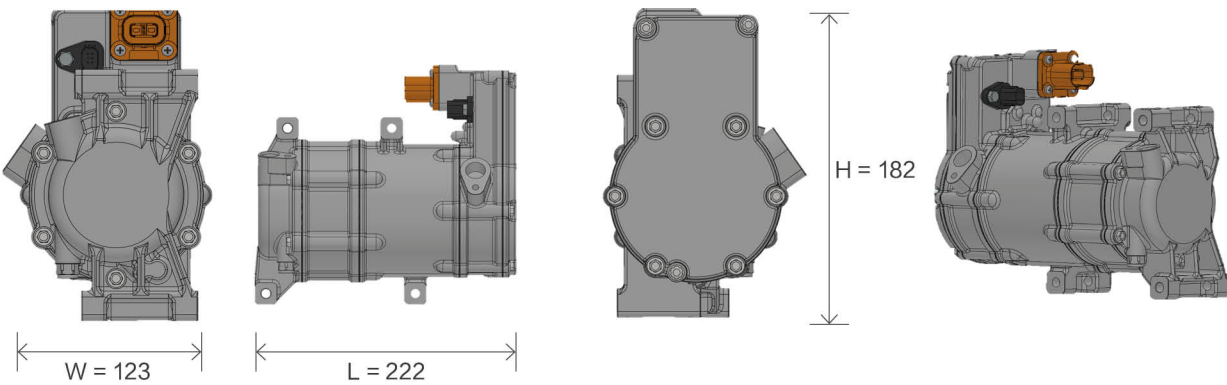
产品阵容
Products

DC240-410V平台

28cc

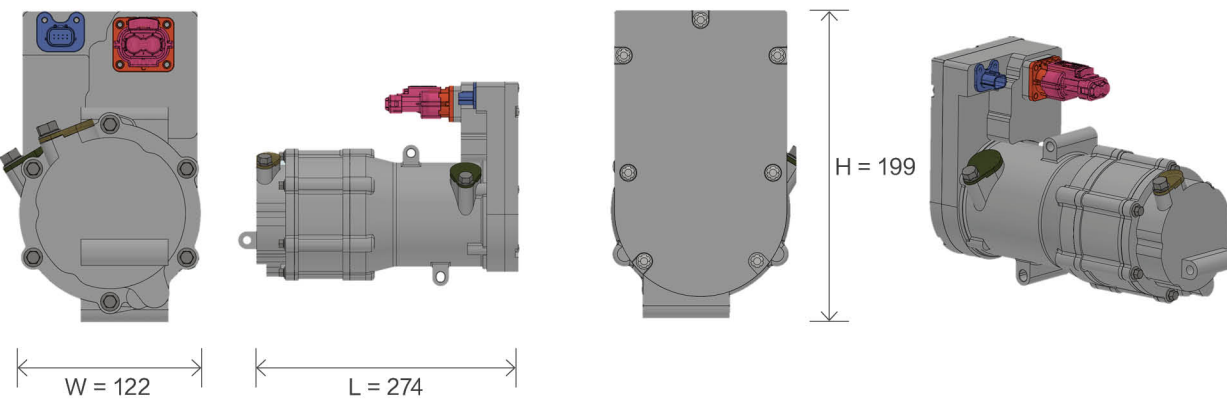


34cc



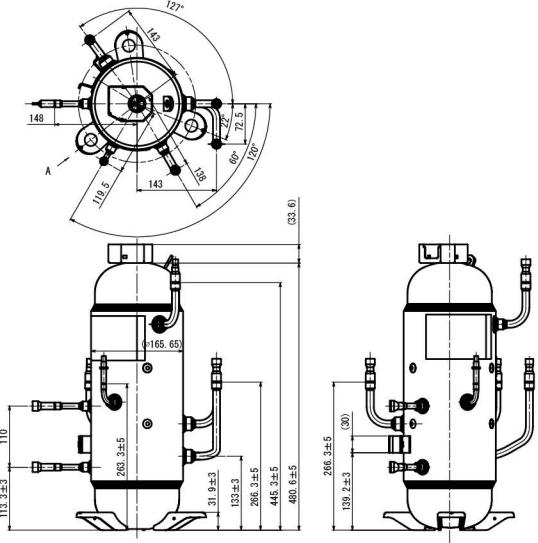
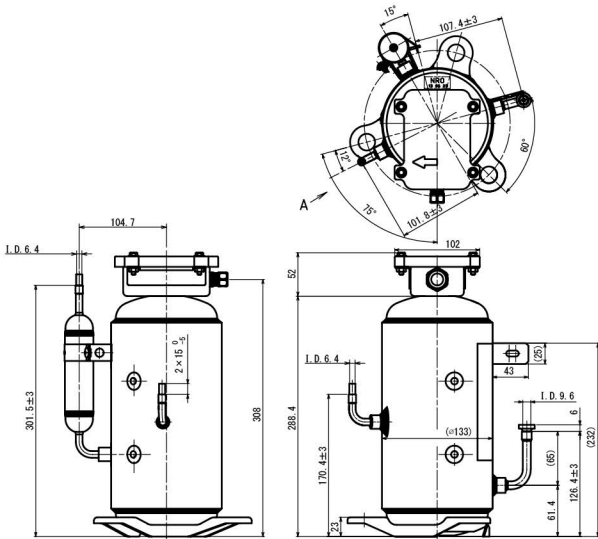
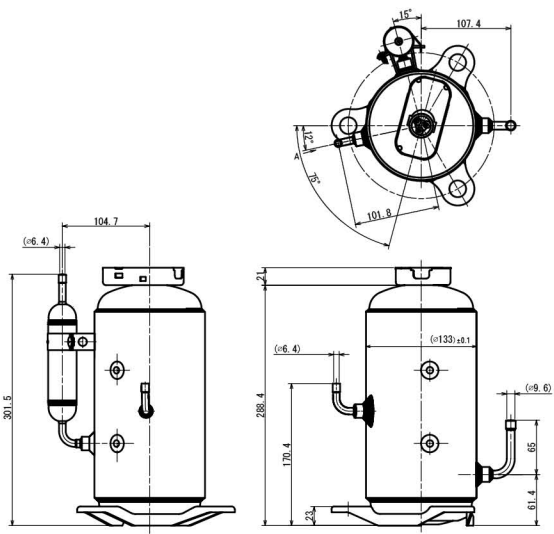
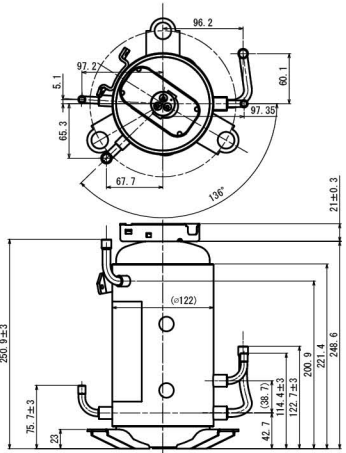
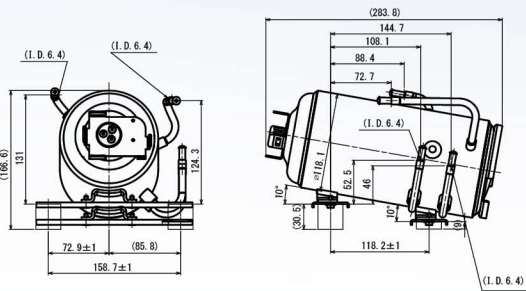
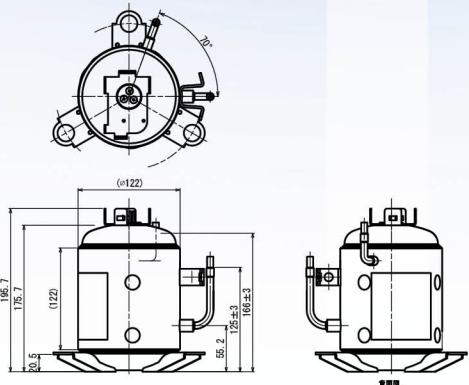
DC350-950V平台

45cc/55cc



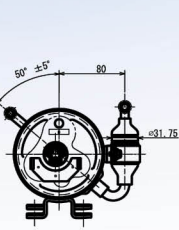
代表机型标准尺寸示意图
NORMAL DIMENSION SKETCH

CO₂压缩机-15F/20F/33F系列
CO₂-15F/20F/33F COMPRESSOR SERIES

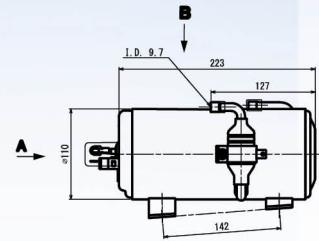


UNIT:mm

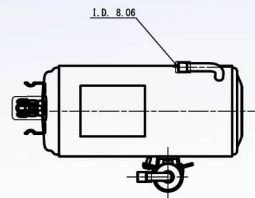
卧式 R/V系列 HORIZONTAL R/V SERIES



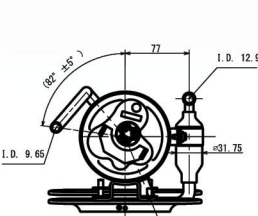
VIEW AT A



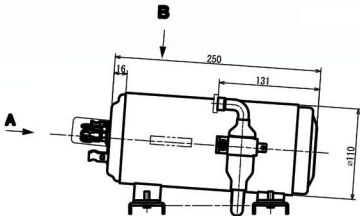
C072U5RXAAC2



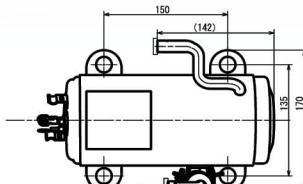
VIEW AT B



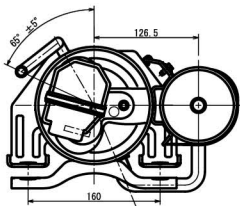
VIEW AT A



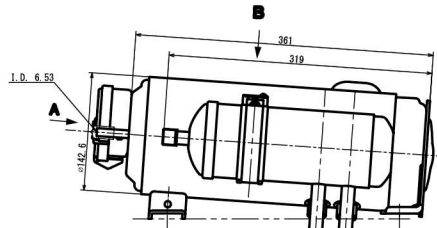
C160U6RZAAC2



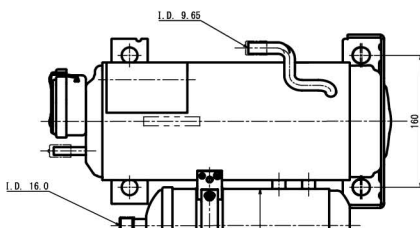
VIEW AT B



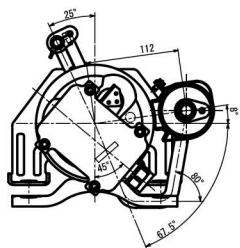
VIEW AT A



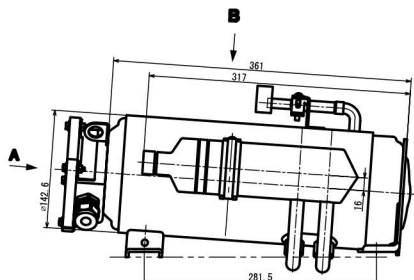
5VL420ZAA21



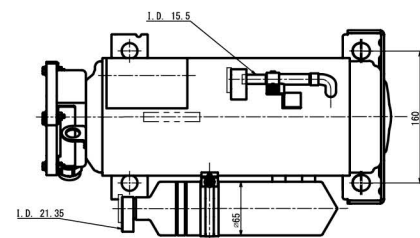
VIEW AT B



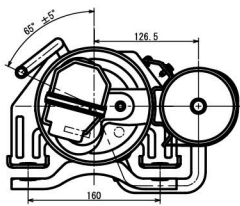
VIEW AT A



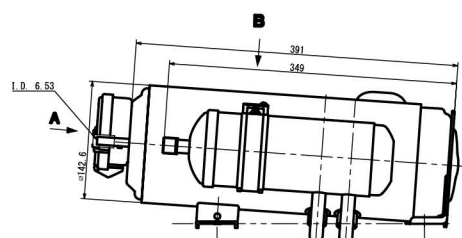
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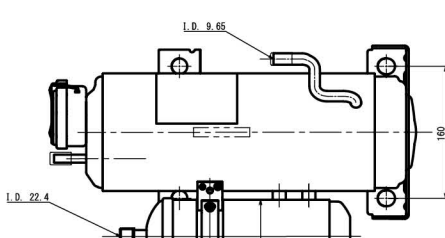
VIEW AT B



VIEW AT A



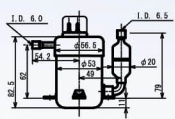
C650U5VZAAC2



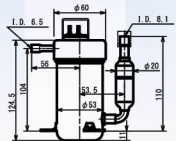
VIEW AT B

UNIT:mm

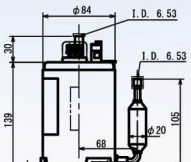
M/T/S/W/R/P/C系列 M/T/S/W/R/P/C SERIES



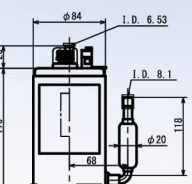
6MS014ZBA21



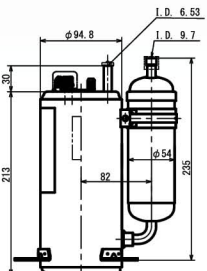
6MD030ZBA21



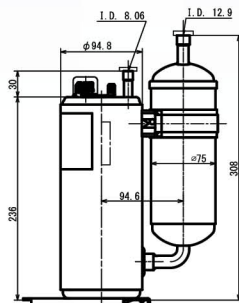
6TS035SEA41



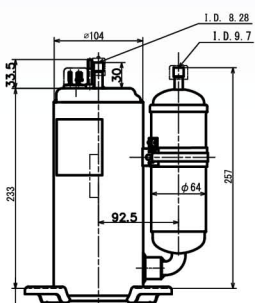
6TD078ZAA41



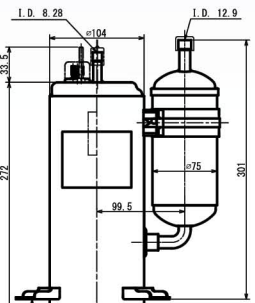
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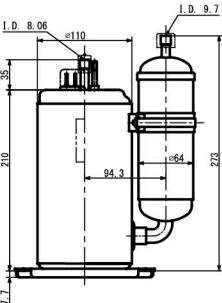
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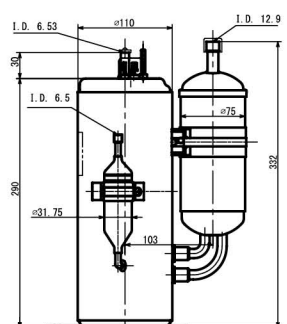
9WS098ZAA21



9WD220ZAA21

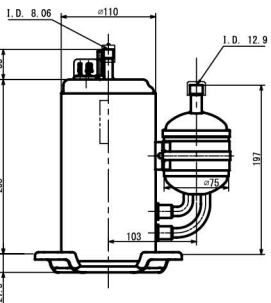


5RS102ZSA21



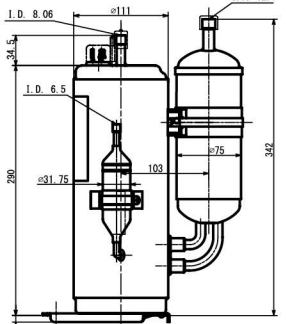
H138D5RZAAJ2

喷气增焓 (EVI)



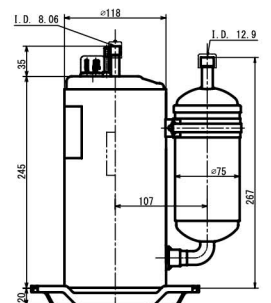
H160D5RZAAC2

低背化压缩机
(Low height compressor)

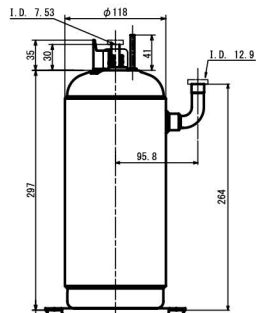


9RD220ZDAJ2

喷气增焓 (EVI)

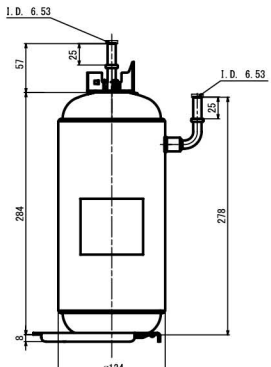


2P21T225AZB



9CS142XCA21

涡旋压缩机
(Scroll compressor)



8CS044ZAC64

涡旋压缩机
(Scroll compressor)

UNIT:mm

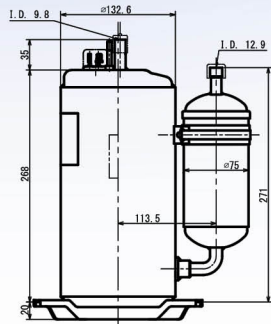
代表机型标准尺寸示意图

NORMAL DIMENSION SKETCH

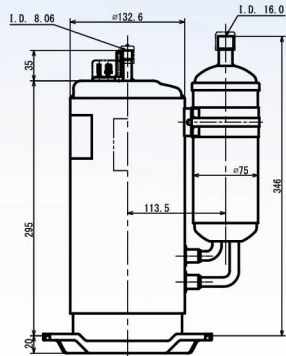
代表机型标准尺寸示意图

NORMAL DIMENSION SKETCH

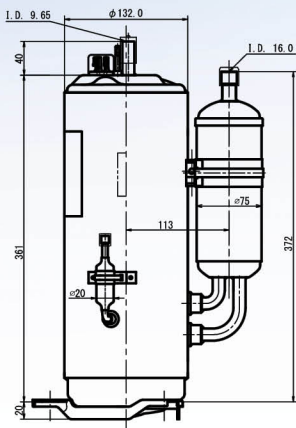
K/V/J系列
K/V/J SERIES



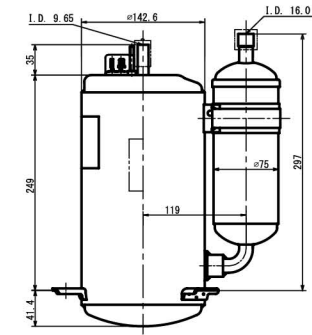
2K21S225DZA



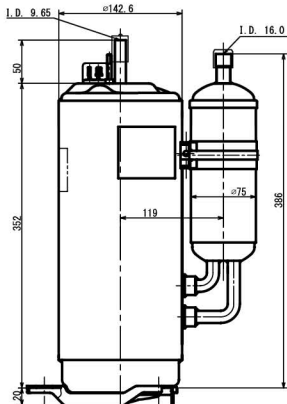
5KD240ZFA21



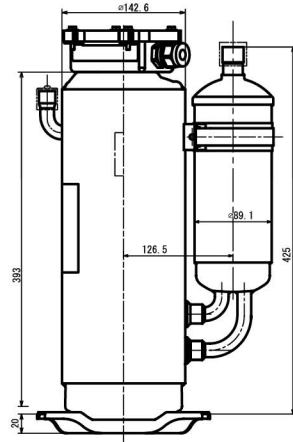
9KD420ZAA2J
喷气增焓 (EVI)



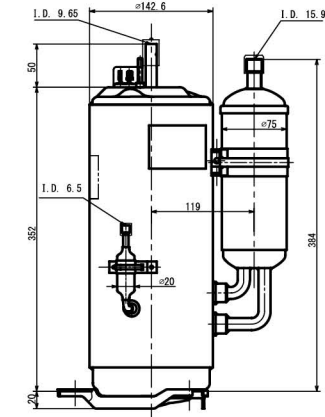
2V32S225AUA



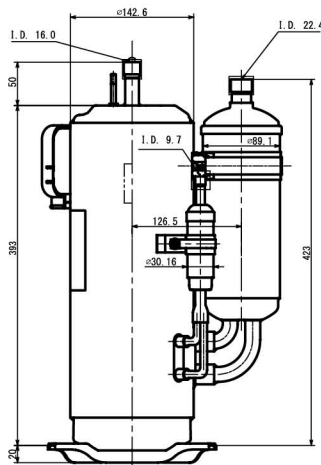
5VD420ZAA21



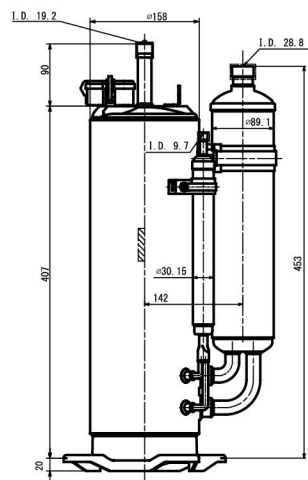
H650D5*
IP67立式
(IP67 vertical compressor)



H420D5VZAAJ2
喷气增焓 (EVI)



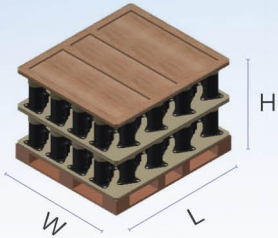
H650D5VZAAJ2
喷气增焓 (EVI)



H800D5JZAAJ2
喷气增焓 (EVI)

UNIT:mm

压缩机标准包装
COMPRESSOR STANDARD PACKAGE



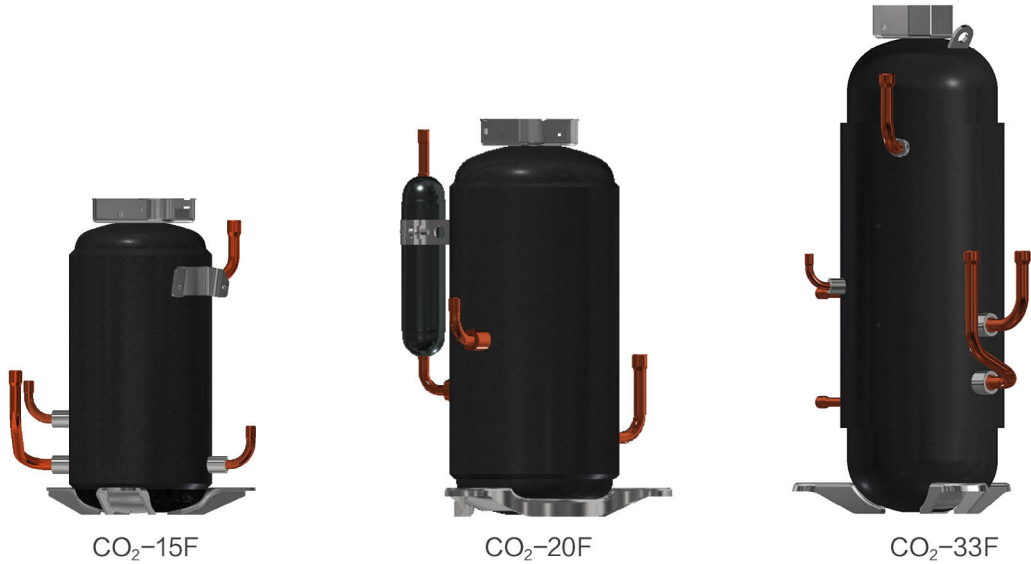
系列 Series	长·宽·高 Length · Width · Height	PC/箱 PC/Pallet	kg/箱 (毛重) kg/Pallet (gross weight)	图示 Drawing
M	L (1120) × W (1080) × H (642~858)	400	(378~522)	
T	L (1100) × W (960) × H (798~926)	192	(730~897)	
S	L (1120) × W (1080) × H (694~790)	96	(470~607)	
W	L (1120) × W (1080) × H (835~880)	72	(531~594)	
R	L (1120) × W (1080) × H (750~981)	72	(590~770)	
P	L (1120) × W (1080) × H (808~817)	60	(728~803)	
K	L (1120) × W (1080) × H (840~1046)	50	(775~901)	
V	L (1100) × W (960) × H (905~1158)	40	(830~1010)	
J	L (1120) × W (1080) × H (696)	16	(490~540)	
C(涡旋)	L (1100) × W (1100) × H (546)	30	(321~462)	

压缩机标准包装

COMPRESSOR STANDARD PACKAGE

系列 Series	长·宽·高 Length·Width·Height	PC/箱 PC/Pallet	kg/箱(毛重) kg/Pallet (gross weight)	图示 Drawing
CO ₂ -15F (卧式)	L(1120)*W(1080)*H(750)	50	(565)	
CO ₂ -15F (单缸)	L(1120)*W(1080)*H(600)	40	(367)	
CO ₂ -15F	L(1120)*W(1080)*H(430)	20	(271-277)	
CO ₂ -15F	L(1120)*W(1080)*H(600)	72	(614)	
CO ₂ -20F	L(1120)*W(1080)*H(490)	20	(389-405)	
CO ₂ -33F	L(1120)*W(1080)*H(686)	12	(484-501)	
HFC-33F	L(1120)*W(1080)*H(645-665)	16	(447-517)	

注：上表为各系列常规机型的包装参数(仅供参考)。 Remark: The above are common models of the packing data of each series (for ref).



常用试验条件及附件
COMMON TEST CONDITION AND ACCESSORIES

测试条件 Test Condition	JIS	P-JIS	N-TEC	ARI	P-ARC	PMI-RAC	HPD
冷凝温度 Condensing temp.(℃)	55.0	55.0	54.4	54.4	47.4	42.9	70.0
蒸发温度 Evaporating temp.(℃)	7.0	7.0	7.2	7.2	6.2	10.1	25.0
吸气温度 Suction temp.(℃)	18.0	15.0	35.0	18.3	13.2	17.1	35.0
过冷却温度 Liquid temp.(℃)	55.0	55.0	46.1	46.1	37.3	32.9	61.0
环境温度 Ambient temp.(℃)	35.0	35.0	35.0	35.0	35.0	35.0	35.0

测试条件 Test Condition	R744(CO ₂) 热泵型机种 R744(CO ₂) HPWH model	测试条件 Test Condition	冷藏机型 Refrigerated vehicles model	新国标 New national standard
	CO ₂		P-MT	GB
吸入压力 Suction Pressure.(MPa)	4.0	冷凝温度 Condensing temp.(℃)	54.4	46.0
排气压力 Discharge Pressure.(MPa)	10.0	蒸发温度 Evaporating temp.(℃)	-6.7	7.2
吸气温度 Suction Temp.(℃)	18.0	吸气温度 Suction temp.(℃)	35.0	18.3
过冷却温度 Liquid Temp.(℃)	41.0	过冷却温度 Liquid temp.(℃)	46.1	37.7
环境温度 Ambient Temp.(℃)	35.0	环境温度 Ambient temp.(℃)	35.0	35.0



Panasonic 松下电器



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