



2019 COMPRESSOR FOR SPECIAL-PURPOSE/ SPECIAL-AREA 特殊用途压缩机

产品手册 PRODUCT MANUAL

创新科技 卓越智造
CREATIVE TECH MADE IN WISDOM



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企业简介 | Company Profile

企业概况 Company Introduction

珠海凌达压缩机有限公司始建于1985年，是家集研发、生产销售服务于一体的空调压缩机专业生产企业，同时也是我国家用空调压缩机业内较早一家具有规模化、专业化的民族企业。2004年成为珠海格力电器股份有限公司全资控股子公司。

公司致力于打造引领压缩机行业的绿色环保高新技术企业，目前拥有五大生产基地，三个办事处，公司现有员工10000多人，其中技术管理人员1300多人，专职从事研发人员有600多人，压缩机年产能达6000万台。

Founded in 1985, Zhuhai Landa Compressor Co., Ltd. is a professional AC compressor manufacturer specialized in R&D, sales and services, as well as a unique, large-scale and national compressor enterprise. In 2004, Landa became a wholly-owned subsidiary of Zhuhai Gree Electric Appliance Inc.

Landa is committed to creating a high tech and green energy enterprise leading the compressor industry. Nowadays, the company has 5 production bases, 3 offices and over 10,000 employees, including 1300 technical managers and more than 600 engineers, with annual capacity up to 60 million units.



Development History

发展历程

- 1985年 凌达始建于1985年**
1985 Landa was founded in 1985

凌达是我国较早引入全封闭回转压缩机技术，也是我国少有的具有规模化、专业化的空调压缩机生产企业。
Landa is not only the earlier company to introduce fully-hermetic rotary compressor technology, but also a large-scale and domestic AC compressor manufacturer.
- 1986年 国内一台Supearl滑片式回转压缩机诞生**
1986 The first domestic Supearl sliding-vane rotary compressor was born

1986年凌达投产国内第一台Supearl滑片式回转压缩机，生产设备全部由美国惠而浦(Whirlpool)公司引进。
In 1986, Landa started the production of Supearl sliding-vane rotary compressor with the equipment introduced from Whirlpool.
- 1994年 国内第一代滚动转子式压缩机批量诞生**
1994 The first rolling rotary compressor was bore in batches

1992年从 Rotorex引进具有国际先进水平的滚动转子式压缩机技术。从美国、日本引进先进的机加工设备与精密检测仪器。
In 1992, Landa introduced the rolling rotary compressor technology with international level from Rotorex, and advanced processing equipment and precision testing instruments from U.S. and Japan.
- 2004年 由格力电器股份有限公司全资控股**
2004 Wholly-owned by Gree Electric Appliances, Inc. of China

珠海格力电器股份有限公司正式全资控股珠海凌达压缩机有限公司，同年公司导入格力卓越绩效管理模式，全面提升管理及研发水平。
In 2004, Landa was wholly owned by Zhuhai Gree Electric Appliances Inc., and brought in Gree's Excellent Performance Mode to improve management and R&D level in the same year.

- 2011年 R290产品首获VDE产品认证**
2011 R290 products first obtained VDE certificate

2010年随整机获得VDE产品认证，并于2011年入选国家火炬计划。
2010 Obtained VDF certificate with the whole unit and was assessed as a National Torch Program project.
- 2013年 四大生产基地投产，产能得到飞跃式提升**
2013 4 production bases put into production with higher output

暨龙山一、二期竣工投产后，合肥、郑州、重庆、武汉四大生产基地也相继建成投产，产能从600万台飞跃至3800万台。
The bases went into production in succession after the completion of the 1st and 2nd stage construction of Longshan factory with the rocketing production capacity from 6 million to 38 million units.
- 2016年 涡旋压缩机厂建成投产**
2016 Scroll compressor factory was completed and put into operation.

2016年，龙山工业区凌达涡旋分厂建成投产。
In 2016, Landa Scroll Branch in Longshan Industrial Zone was completed and put into operation.
- 2018年 产能突破6000万台**
2018 Annual capacity reaches 60 million units

为了适应市场需求，凌达通过对产线的优化和增加柔性生产线的方式，将公司产能提升至6000万台。
In order to meet the market demands, Landa has optimized the production line and added flexible manufacturing system to increase the capacity to 60 million units.



Company Honors
企业荣誉

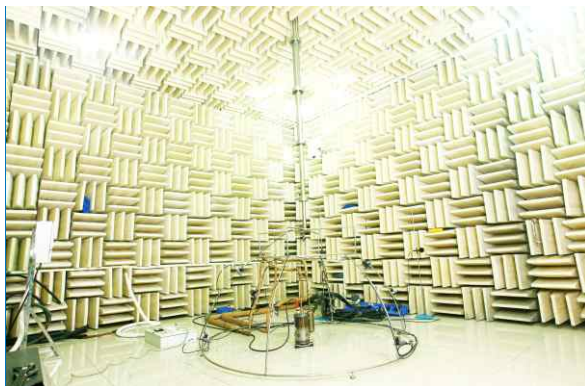
近年来凌达压缩机荣获国家级奖项18个、省级40余个，包括“绿色节能先锋”、“全国‘质量标杆’”、“国家知识产权优势企业”、“全国质量奖（鼓励奖）”、“广东省名牌产品”、“广东省政府质量奖”、“广东省知识产权示范企业”、“珠海市长质量奖”等重量级奖项。

Landa has won 18 national awards and more than 40 provincial prizes over the years. including Green Energy Pioneer, National Quality Benchmark, National IPR Enterprise, National Quality Award(Consolation Prize), Guangdong Famous Brand, Guangdong Government Quality Award, Guangdong IPR Demonstration Enterprise, Zhuhai Mayor Quality Prize etc.



凌达已成为行业一线品牌，多项设计获得国际技术专利，其中三缸双级变容压缩技术属国际首创，拥有完全自主知识产权。

As a leading brand in the industry, many designs of Landa have awarded many international patents. Especially, the three-cylinder two-stage variable displacement compression is an international initiative, with complete independent intellectual properties.



Leading Technology 领先技术

截至2018年12月31日，公司已向国家知识产权局提交并获受理的专利申请 1658多项,其中发明专利申请 599项,实用新型1054项，外观5项。已获得授权的发明专利183项、实用新型专利669项、外观5项。

As of Dec.31, 2018, Landa has submitted more than 1,685 patent applications to the State Intellectual Property Office, including 599 invention patents, 1,054 utility model patents and 5 appearance patents. Among them, there are 183 invention patents, 652 utility model patents and 5 appearance patents have been authorized.

凌达作为行业领军企业，目前拥有无稀土技术、双级增焓技术、三缸双级变容技术、双级喷液（冷冻冷藏）技术等多项全球领先技术。

By virtue of the technologies of rare earth, two-stage enthalpy-increasing, three-cylinder two-stage variable displacement and two-stage liquid-injection (freezing& refrigeration) etc., Landa has enjoyed a top name in the industry. Among them, the three-cylinder two-stage variable displacement technology is original in the world with complete independent intellectual properties.



Quality Management 质量管理



凌达以质量第一为导向进行全员、全过程、全方位的质量管理。提炼出具有凌达特色的“三无”管理方针：零故障、零售后、零下线。

Take quality first as the guide, with all staff participation, whole process control and all-round development mode as the quality policy, Landa has extracted the “three-zero” management targets: zero down-line, zero failure and zero after-sales.

- 1) 零故障：关注市场客户故障，快速响应并分析推进内部改善，同步也关注与压缩机关联的空调故障原因，拉近市场距离，积极、及时、主动发分析解决故障点直至“零”故障。

Focus on the failures of the market customers, respond quickly to promote the internal improvement, meanwhile, dig into the causes of AC failures associated with the compressor, shorten the market distance, actively and timely to find and analyze the fault points until achieve zero failure.

- 2) 零售后：强调技术研发、强调思维创新，提出创新的售后管控方式，加大检测技术创新的研发和投入，提高出厂检验能力，达成“零售后”。

Zero after-sales: Combine the technical R&D with innovative thinking, propose innovative after-sales control methods, increase tech input, to improve the delivery inspection and achieve "zero after-sales".

- 3) 零下线：细化质量异常等级，建立异常处理责任等级对应制度，重点关注一二级异常事故，关键岗位建立“零缺陷”制度，深化细化基础管理，逐步减少一二级事故，零化三四级事故，直至实现“零”下线。

Zero down-line: Refine the abnormal grades, build the corresponding system for exceptional handling, and focus on level I & II accident. Meanwhile, set up a zero defect system and deepen the basic management to gradually reduce level I & II accidents while eliminate level III&IV accidents



产品介绍 | Product Introduction

凌达目前已有产品系列从P到H共十三个系列，涵盖定频、直流变频、不同电源、不同工质、双转子、涡旋式等高效节能环保产品800余个型号。产品涵盖家用空调、商用空调、冷冻冷藏、干衣机、除湿机、微型制冷、车载空调、采暖设备等应用领域；多种冷媒可选，包括R22，R410A，R134a，R404，R32，R290，R600a等，为客户提供多样化的选择。

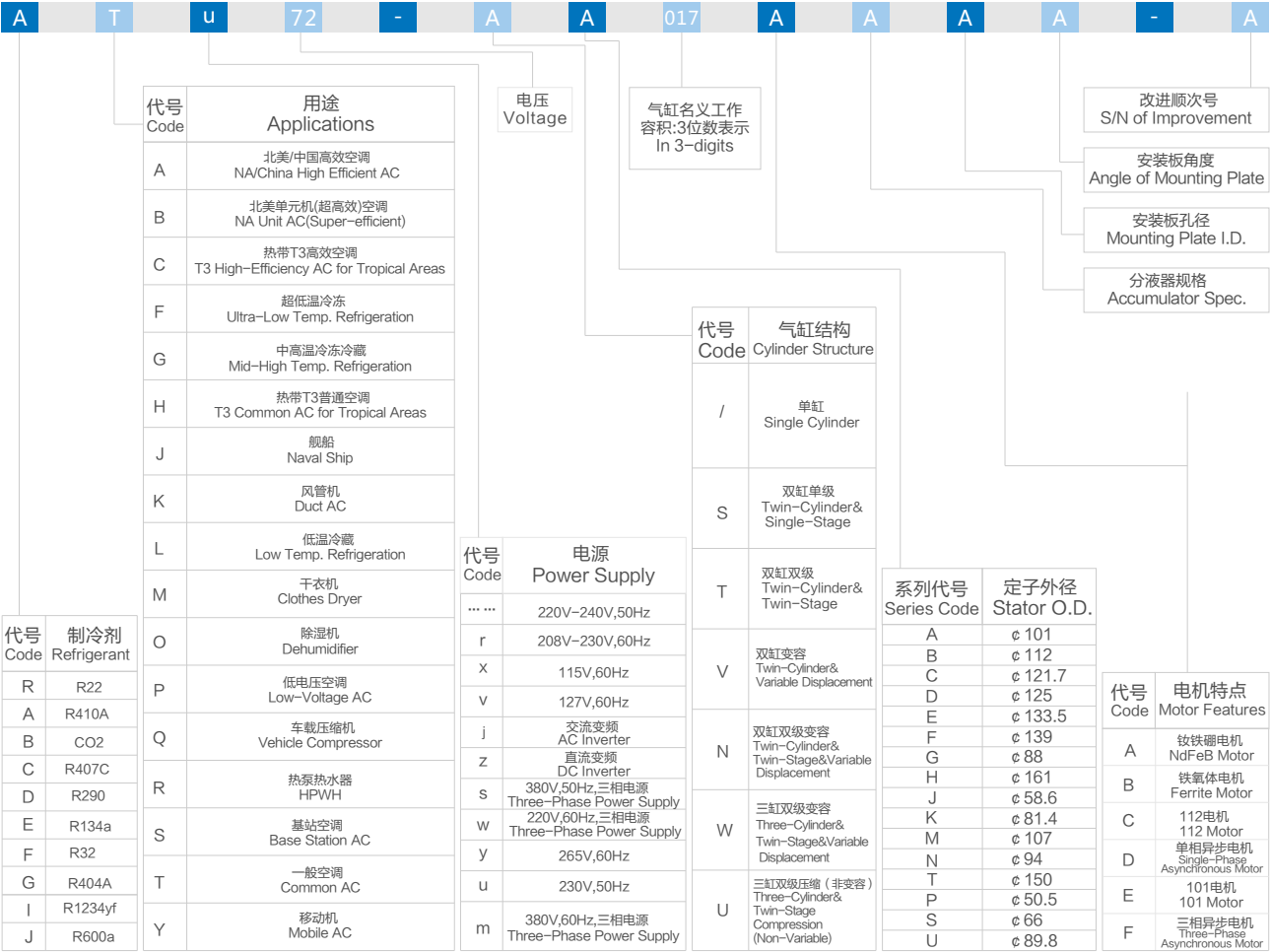
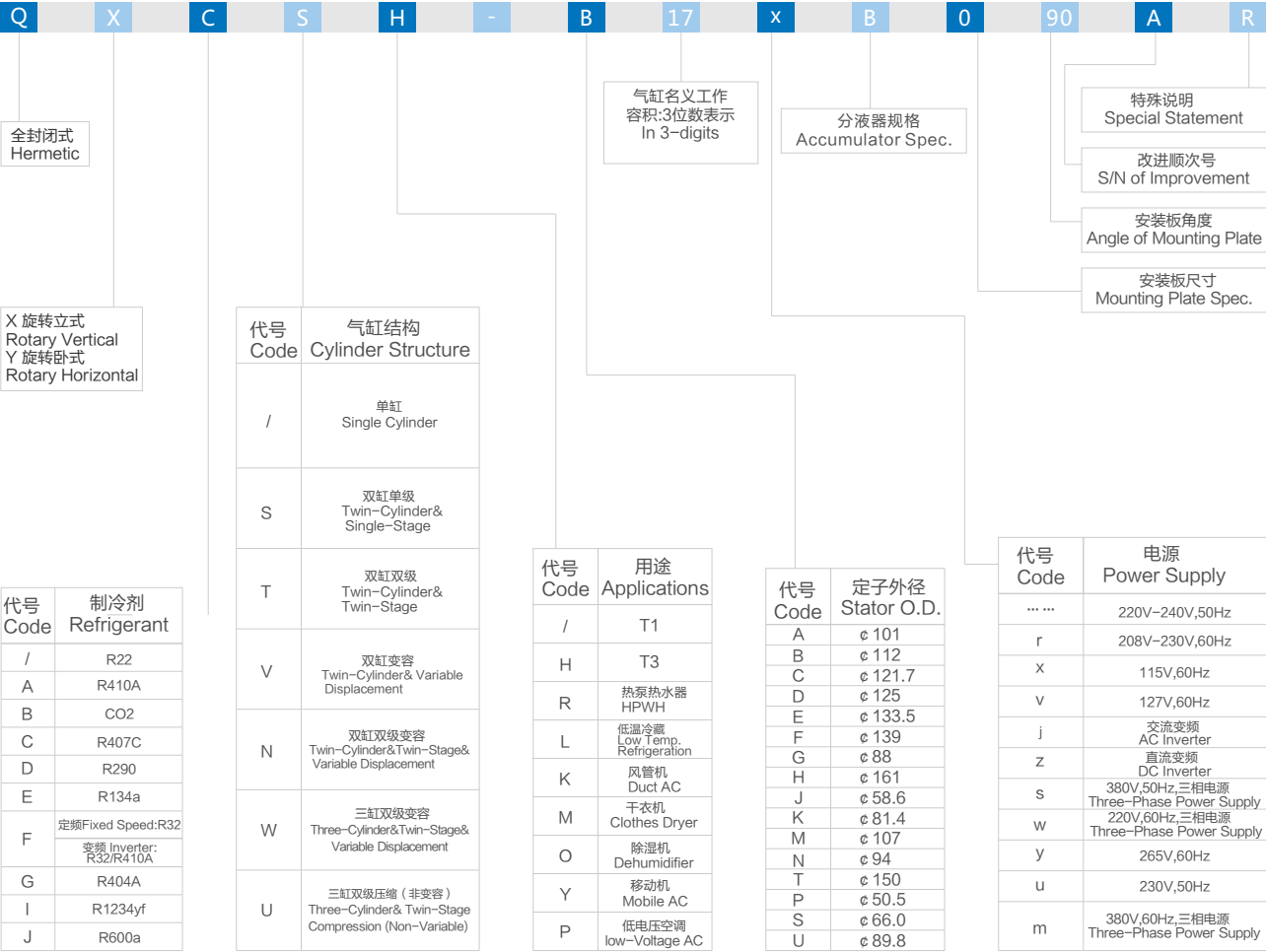
为满足市场需要，我司依靠省级企业技术中心平台、结合国内外创新资源、致力于更高效的定频、变频压缩机和涡旋定变频压缩机等高端机的拓展研发。

So far, Landa has 13 series products ranging from P to H, covering more than 800 models of efficient and eco-friendly products such as fixed speed, DC inverter, different power supplies and working mediums, double rotors and scroll-types etc. The products are applicable to RACs, CACs, refrigeration, dryers, dehumidifiers, micro-refrigeration, VACs, heating equipment and so on. Refrigerants are available in various types, including R22, R410A, R134a, R404, R32, R290, R600a, etc., to provide customers with diversified sources.

In order to meet the market demands, Landa relies on provincial enterprise technical center, combining domestic and foreign innovative resources to R&D the high-grade compressors like more efficient fixed speed& inverter compressors, scroll fixed speed& inverter compressors.

Rotary Compressor
—— 旋转式压缩机

►Product Naming Rules
产品命名规则



►Test Conditions for Rotary Compressor
旋转式压缩机测试工况

适用工况 Applicable Working Conditions	冷凝温度℃ Condensing Temp	蒸发温度℃ Evaporating Temp	过冷度℃ Supercooling Degree	吸气温度℃ Suction Temp	环境温度℃ Ambient Temp
ASHRAE/T	54.4	7.2	8.3	35	35
高性能工况 High-performance Condition	46	7.2	8.3	18.3	35
北美高能效工况 High-energy/efficiency Condition for North America	45	12	5	24	35
干衣机工况 HPD Condition	70	25	9	35	35
冷冻冷藏工况 Freezing/Refrigeration Condition	54.4	-23.3	22.2	32.3	32.2
变频工况60Hz Inverter Condition 60Hz	46	10	5	18	35
热泵工况 Heat Pump Working Condition	60	10	10	20	35
采暖工况 Heating Condition	45	-20	5	-15	/



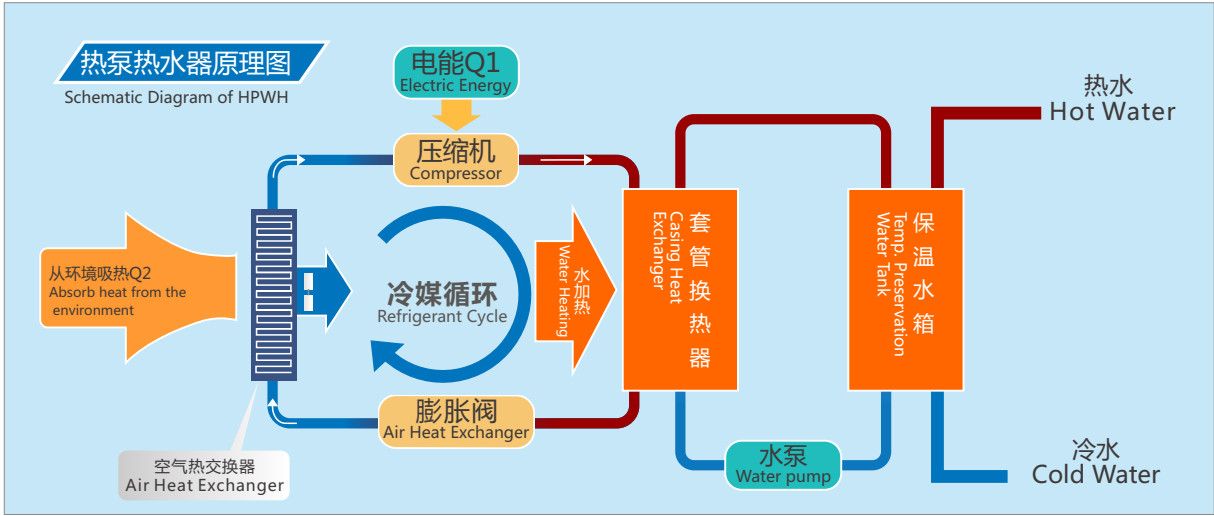
热泵热水器压缩机
Compressor for HPWH



▪ 热泵热水器压缩机制热原理
Heating Principle

低温低压气态冷媒进入压缩机，通过压缩机压缩后，形成高温高压气态冷媒；然后通过套管换热器，给冷水加热，水温升高，从而得到热水，此时，形成中温高压液态冷媒；然后通过膨胀阀（或毛细管），形成中温低压气液混合冷媒；最后通过空气热交换器，在风扇作用下，从环境吸热，形成低温低压气态冷媒。

The low-temp. & low pressure gas refrigerant enters the compressor and is compressed to form a high-temp.& high-pressure gas refrigerant. Then, the casing heat exchanger is used to heat the cold water, and the water temp. is raised to obtain hot water, during this time, a medium-temp.& high pressure liquid refrigerant is formed, after that, a medium-temp. & low pressure gas-liquid mixed refrigerant come into being based on the expansion valve (or capillary). Finally, through the air heat exchanger, under the action of the fan, heat is absorbed from the environment to form a low-temp. & low pressure gas refrigerant.



产品特点 Product Features

R22系列产品特点
Features of R22 Series Products

- 小型化：同制热量下尺寸小
Miniaturization: Small size under the same heating capacity
- 高出水温度：最高出水温度可达65℃
High water temp.: The highest water temp. up to 65°C
- 超长使用寿命：设计寿命达10年
Ultra-long service life: Design life of 10 years
- 低噪声/低振动：超静音无察觉运行
Low noise/Low vibration: Ultra-quiet operation
- 全年高效运行：耗电量为普通电热水器的1/4
Annual energy-efficient operation: Power consumption for a quarter of ordinary electric water heater
- 低温制热特性优良：低环温下制热效果衰减少
Excellent low temp. heating characteristics: Decrease in heating effect at low ambient temp.



R410A系列产品特点
Features of R410A Series Products

- 环保冷媒：臭氧层破坏潜能ODP=0
Eco-friendly refrigerant: ODP=0
- 高出水温度：最高出水温度可达65℃
High water temp.: The highest water temp. up to 65°C
- 超长使用寿命：设计寿命达10年
Ultra-long service life: Design life of 10 years
- 低噪声/低振动：超静音无察觉运行
Low noise/Low vibration: Ultra-quiet operation
- 超低温环境制热：-15℃下制热不衰减
Heating under ultra-low temp. ambient: Heating without decay at -15 °C



R134a系列产品特点
Features of R134a Series Products

- 环保冷媒：臭氧层破坏潜能ODP=0
Eco-friendly refrigerant: ODP=0
- 高出水温度：最高出水温度可达76℃
High water temp.: The highest water temp. up to 76° C
- 超长使用寿命：设计寿命达10年
Ultra-long service life: Design life of 10 years
- 低噪声/低振动：超静音无察觉运行
Low noise/Low vibration: Ultra-quiet operation
- 全年高效运行：耗电量为普通电热水器的1/4
Annual energy-efficient operation: Power consumption for a quarter of ordinary electric water heater



R290系列产品特点
Features of R290 Series Products

- 环保冷媒：臭氧层破坏潜能ODP=0
Eco-friendly refrigerant: ODP=0
- 高出水温度：最高出水温度可达65℃
High water temp.: The highest water temp. up to 65°C
- 超长使用寿命：设计寿命达10年
Ultra-long service life: Design life of 10 years
- 低噪声/低振动：超静音无察觉运行
Low noise/Low vibration: Ultra-quiet operation
- 低温制热特性优良：低环温下制热效果衰减少
Excellent low temp. heating characteristics: Decrease in heating effect at low ambient temp.



压缩机型谱 Compressor Spectrum

产品类别 Product Category		压缩机能力范围 Capacity Range							
冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	1706	5118	8530	11942	15354	18766	22178
		W	500	5100	2500	3500	4500	5500	6500
R22	220-240V 50Hz								
R134a	380V/50Hz & 440V/60Hz								
R290	380V/50Hz & 440V/60Hz								
DC									
R1234yf	220-240V 50Hz								

压缩机产品规格 Compressor Spec.

R22 T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
B	QXR-B120	12.0	6909	2025	730	2.77	25μF/450V	热泵工况 Heat Pump Condition
	QXR-B15	15.0	8803	2580	940	2.75	35μF/450V	
C	QXR-C193	19.3	10580	3100	1030	3.01	35μF/450V	ASHRAE/T
	QXR-C238	23.8	13822	4050	1460	2.70	35μF/450V	热泵工况 Heat Pump Condition
F	QXR-F232F030	23.2	13477	3950	1290	3.05	50μF/450V	ASHRAE/T
	QXR-F36F050	35.6	20916	6130	1975	3.10	50μF/450V	

R134a T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
B	QXER-B109	10.9	4260	1250	410	3.05	25μF/450V	ASHRAE/T
C	QXER-B122	12.2	4910	1440	472	3.05	25μF/450V	
D	QXER-C18	18.0	7160	2100	700	3.00	30μF/450V	
	QXER-D253	25.3	9920	2910	960	3.03	35μF/450V	
F	QXER-F36	35.6	15174	4450	1450	3.06	50μF/450V	

R290 T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
A	QXDR-A058※	5.8	2799	820	270	3.04	10μF/450V	ASHRAE/T
	QXDR-A088	8.8	4642	1360	425	3.20	20μF/450V	
B	QXDR-B222	22.1	16212	3360	1020	3.29	35μF/450V	
D	QXDR-D305※	30.7	16212	4750	1400	3.39	45μF/450V	

备注：型号带 “※” ,代表开发中 Remark: Model with “※” is under development

R290 DC Inverter								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容/频率 Capacitor/ Frequency(μF)	测试工况 Test Conditions
M	DTz-SM240AXBA※	24	17743	5200	1100	4.72	/	变频工况 Inverter Condition 60Hz

R1234yf [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
B	QXIR-B122C130	12.2	4638	1360	485	2.80	25μF/450V	热泵 Heat Pump
	QXIR-B122C130	12.2	4979	1460	450	3.24	25μF/450V	ASHRAE/T
C	QXIR-D253F030	25.3	9582	2810	990	2.84	50μF/450V	热泵 Heat Pump
	QXIR-D253F030	25.3	10042	2945	910	3.24	50μF/450V	ASHRAE/T

热泵热水器
HPWH

单双缸补气增焓压缩机 R410A DC Inverter								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	热量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运行频率 Frequency (Hz)	测试工况 Test Conditions
A	ARz-AA108ACBA	10.8	14979	4390	1125	3.90	60	ASHRAE/T
			12010	3520	1300	2.71	80	采暖工况 Heating Condition
M	ARz-SM141AXBA	14.1	19483	5710	1465	3.90	60	ASHRAE/T
			15695	4600	1690	2.72	80	采暖工况 Heating Condition
D	ATz-SD190AHAF	19.0	27500	8060	2069	3.89	60	ASHRAE/T
			21495	6300	2290	2.73	80	采暖工况 Heating Condition
F	ARz-SF310ANEB	31.0	45653	13380	3340	4.00	60	ASHRAE/T
			35075	10280	3740	2.75	80	采暖工况 Heating Condition
	ARz-SF420AXEB	42.0	64947	19035	4810	3.96	60	ASHRAE/T
			47529	13930	5065	2.75	80	采暖工况 Heating Condition

单双缸补气增焓压缩机 R32 DC Inverter								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	热量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运行频率 Frequency (Hz)	测试工况 Test Conditions
A	FRz-AA108ACBA※	10.8	16258	4765	1025	4.65	60	ASHRAE/T
			12965	3800	1335	2.85	80	采暖工况 Heating Condition
M	FRz-SM141AXBA※	14.1	21223	6220	1332	4.67	60	ASHRAE/T
			16924	4960	1735	2.86	80	采暖工况 Heating Condition
D	FTz-SD190AHAF※	19.0	28576	8375	1798	4.66	60	ASHRAE/T
			23201	6800	2355	2.89	80	采暖工况 Heating Condition
F	FTz-SF310ANEB※	31.0	51862	15200	3165	4.80	60	ASHRAE/T
			37873	11100	3840	2.89	80	采暖工况 Heating Condition
	FTz-SF420ANEB※	42.0	69673	20420	4300	4.75	60	ASHRAE/T
			51333	15045	5205	2.89	80	采暖工况 Heating Condition

热泵热水器
HPWH

双级增焓压缩机 R410A [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	热量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor (μF)	测试工况 Test Conditions
B	AR-TB121DFAA	12.1	14440	4232	1125	3.76	30μF/450V	ASHRAE/T
			8963	2627	945	2.78		采暖工况 Heating Condition
D	AR-TD159DFAA	15.9	18493	5420	1420	3.82	45μF/450V	ASHRAE/T
			11770	3450	1240	2.78		采暖工况 Heating Condition
	AR-TD200DFAA	20.0	23321	6835	1785	3.83	45μF/450V	ASHRAE/T
			14808	4340	1550	2.80		采暖工况 Heating Condition
F	AR-TF310DNAB	31.0	37157	10930	2890	3.78	60μF/450V	ASHRAE/T
			24552	7200	2565	2.81		采暖工况 Heating Condition
H	AR-TH420DNAB	42.0	51180	15000	3920	3.83	75μF/450V	ASHRAE/T
			33505	9820	3480	2.82		采暖工况 Heating Condition

双级增焓压缩机 R410A [1φ]208-230V 60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	热量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor (μF)	测试工况 Test Conditions
B	ATr-TB121DFAA	12.1	17435	5110	1340	3.80	40 μ F/450V	ASHRAE/T
			10816	3170	1140	2.78		变频工况 Inverter Condition 60Hz

双级增焓压缩机 R410A [3φ]380V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	热量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor (μF)	测试工况 Test Conditions
H	ARs-TH420FNDA	42.0	51521	15100	3900	3.87	/	ASHRAE/T
			33608	9850	3456	2.85	/	采暖工况 Heating Condition
	ARs-TH530FNDA※	53.0	65681	19250	5000	3.85	/	ASHRAE/T
			41462	12445	4395	2.83	/	采暖工况 Heating Condition

双级增焓压缩机 R410A DC Inverter								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	热量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运行频率 Frequency (Hz)	测试工况 Test Conditions
B	ATz-TB121AEAD	12.1	17742	5200	1350	3.85	60	ASHRAE/T
			10696	3135	1128	2.78	60	采暖工况 Heating Condition
D	ATz-TD200AFAA	20.0	30025	8800	2360	3.73	60	ASHRAE/T
			17572	5150	1870	2.75	60	采暖工况 Heating Condition
F	ATz-TF310ANAB-A	31.0	48791	14300	3700	3.86	60	ASHRAE/T
			28558	8370	2990	2.80	60	采暖工况 Heating Condition
H	ATz-TH420ANDA	42.0	66142	19385	5020	3.86	60	ASHRAE/T
			39443	11560	4100	2.82	60	采暖工况 Heating Condition

备注：型号带“※”,代表开发中 (Remark: Model with “※” is under development.)

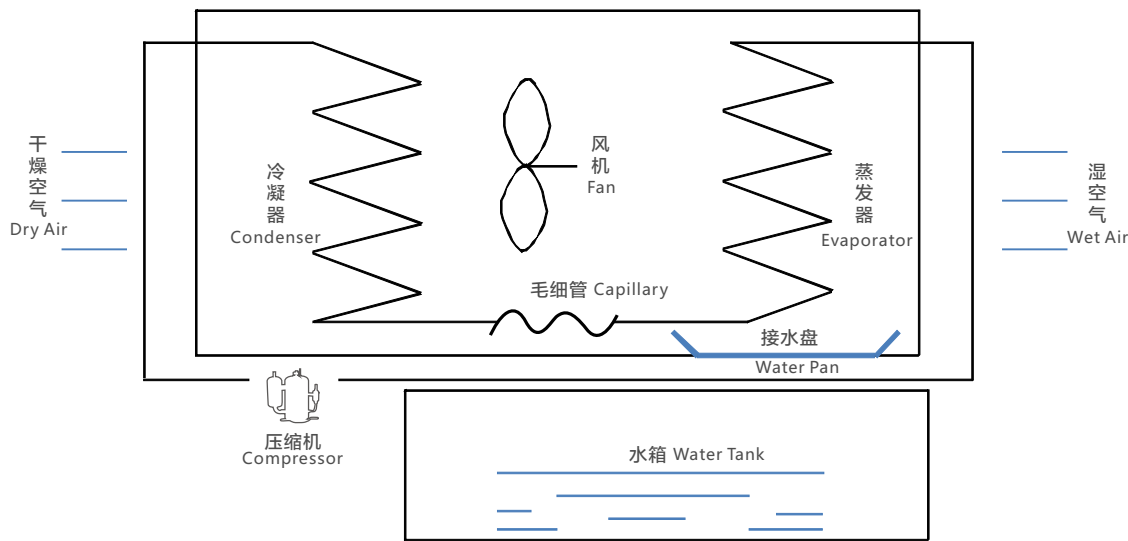
备注：ASHRAE工况测试时EVI OFF，采暖工况测试时EVI ON



除湿机压缩机
Compressor for Dehumidifier



除湿机压缩机工作原理
Operating Principle



湿空气由风机抽入壳体内，先经过蒸发器对其进行冷却，进而成为凝结水析出，流入接水盘或者水箱内，空气的湿度和温度得到降低，随后经处理后的冷空气流经冷凝器对其进行升温，达到符合工艺要求的空气后送出机壳。

The compressor provides the power to the heat pump cycle. The condenser heats the circulating air to generate high-temp. dry air, the fan blows the dry air into the drying cylinder, so as to exchange heat and moisture with the wet clothes to absorb the water to form a low-temp. humid air. After discharging from the drying cylinder, it passes through the evaporator and cooled until the condensed water is precipitated.

产品特点 Product Features

环保冷媒：臭氧层破坏潜能ODP=0
Eco-friendly refrigerant: ODP=0

超长使用寿命：设计寿命达10年
Ultra-long service life: Design life of 10 years

低噪声/低振动：超静音无察觉运行
Low noise/Low vibration: Ultra-quiet operation

节能高效：能效比更高
Energy-efficient: Higher COP

压缩机型谱 Compressor Spectrum

产品类别 Product Category		压缩机能力范围 Capacity Range								
冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	1024	2047	3071	4094	5118	6142	7165	8189
		W	300	600	900	1200	1500	1800	2100	2400
R410A	115V/60Hz									
	220-240V/50Hz									
R290	220-240V/50Hz									
R134a	220-240V/50Hz									

压缩机产品规格 Compressor Spec.

R410A T1 [1φ]115V 60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
G	QXA-G033x	3.3	4096	1200	290	4.15	25μF/250V	北美高能效工况 High-energy/efficiency Condition for North America
	QXA-G046x	4.6	5734	1680	395	4.25	35μF/250V	
	QXA-G050x	5.0	6246	1830	430	4.25	35μF/250V	
A	QXA-A050x	5.1	6514	1909	425	4.49	35μF/250V	ASHRAE/T
	QXA-A062x	6.2	6142	1800	636	2.83	50μF/250V	
	QXA-A071x	7.1	7063	2070	726	2.85	50μF/250V	
	QXA-A083x	8.3	8389	2460	871	2.82	50μF/250V	

R410A T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
A	QXA-A071	7.1	5664	1660	615	2.70	25μF/450V	ASHRAE/T

R290 T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
G	QXD-G033	3.3	1570	460	185	2.50	6.5μF/450V	ASHRAE/T
	QXD-G050	5.0	2389	700	270	2.60	10.0μF/450V	
	QXD-G058	5.8	2781	815	308	2.65	6.5μF/450V	
	QXD-G062	6.2	2901	850	320	2.65	10.0μF/450V	
A	QXD-A081	8.1	4147	1215	375	3.25	15.0μF/450V	
	QXD-A098	9.8	4983	1460	505	2.89	20.0μF/450V	
	QXD-A121	12.1	6210	1820	607	3.00	20.0μF/450V	

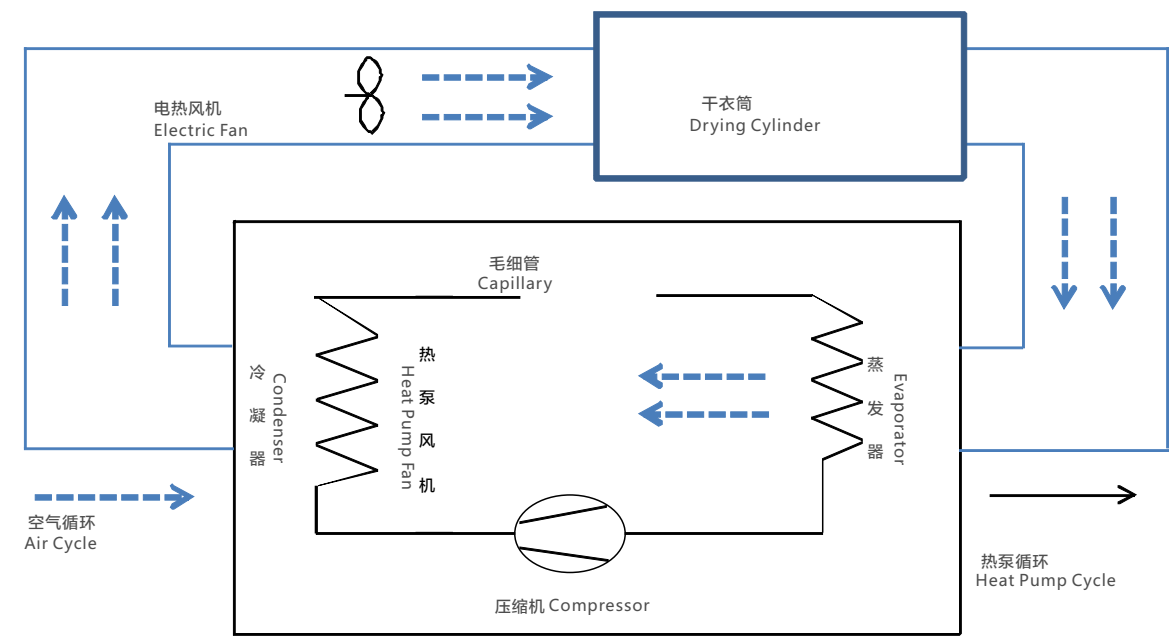
R134a T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
K	QXE-K035	3.5	1314	385	185	2.08	5.0μF/450V	ASHRAE/T
G	QXE-G036	3.6	1280	375	160	2.35	7.5μF/450V	
	QXE-G058	5.8	2185	640	250	2.50	6.5μF/450V	
	QXE-G064	6.4	2390	700	260	2.70	10μF/450V	
	QXE-G073	7.3	2730	800	295	2.70	10μF/450V	



干衣机压缩机
Compressor for Clothes Dryer



干衣机压缩机工作原理
Operating Principle



压缩机为热泵循环提供动力，冷凝器加热循环空气，产生高温的干燥空气，风机将干燥空气吹送进干衣筒，干燥空气与湿衣物进行热湿交换，吸收水分形成低温潮湿空气，排出干衣筒后经过蒸发器，被冷却至冷凝水析出。

The compressor provides the power to the heat pump cycle. The condenser heats the circulating air to generate high-temp. dry air, the fan blows the dry air into the drying cylinder, so as to exchange heat and moisture with the wet clothes to absorb the water to form a low-temp. humid air. After discharging from the drying cylinder, it passes through the evaporator and cooled until the condensed water is precipitated.

产品特点 Product Features

- 环保冷媒：臭氧层破坏潜能ODP=0
Eco-friendly refrigerant: ODP=0
- 超长使用寿命：设计寿命达10年
Ultra-long service life: Design life of 10 years
- 低噪声/低振动：超静音无察觉运行
Low noise/Low vibration: Ultra-quiet operation
- 节能高效：能效比更高
Energy-efficient: Higher COP

压缩机型谱 Compressor Spectrum

产品类别 Product Category		压缩机能力范围 Capacity Range								
冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	2730	4777	6824	8871	10918	12966	15013	17060
		W	800	1400	2000	2600	3200	3800	4400	5000
R134a	220-240V/50Hz									
	208-230V/60Hz									
	DC									
R290	220-240V/50Hz									

压缩机产品规格 Compressor Spec.

R134a T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
A	QXEM-A056	5.6	3173	930	315	2.95	15μF/450V	干衣机工况 HPD condition
	QXEM-A066	6.6	3753	1100	395	2.80	15μF/450V	
	QXEM-A081*A	8.1	4808	1410	425	3.32	15μF/450V	
	QXEM-A104	10.4	6240	1830	580	3.15	15μF/450V	
	QXEM-A115	11.5	6871	2015	630	3.20	20μF/450V	
B	QXEM-B115*A	11.5	6858	2010	600	3.35	25μF/450V	
	QXEM-B150	15.0	8871	2600	810	3.21	30μF/450V	
	QXEM-B160	16.0	9383	2750	870	3.16	30μF/450V	
	QXEM-B18	17.5	10338	3030	930	3.26	35μF/450V	

R134a T1 [1φ]208-230V 60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
B	QXEM-B217r	21.7	15627	4580	1400.00	3.27	35 μ F/450V	干衣机工况 HPD Condition

R134a [DC]220V								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运行频率范围 Operating frequency range (Hz)	测试工况 Test Conditions
K	ETz-SK068AP	6.8	3078	902	335	2.70	30-90	ASHRAE/T 50Hz
	ETz-SK075AP	7.5	3394	995	365	2.75	30-90	

R290 T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
G	QXDM-G058※	5.8	3925	1150	365	3.15	15μF/450V	干衣机工况 HPD Condition
	QXDM-G062※	6.2	4147	1215	385	3.15	15μF/450V	
A	QXDM-A058※	5.8	4130	1210	372	3.25	15μF/450V	
	QXDM-A062※	6.2	4403	1290	397	3.25	15μF/450V	
	QXDM-A066※	6.6	4589	1345	420	3.20	15μF/450V	
	QXDM-A069※	6.9	4811	1410	440	3.20	15μF/450V	
	QXDM-A081※	8.1	5734	1680	520	3.23	15μF/450V	

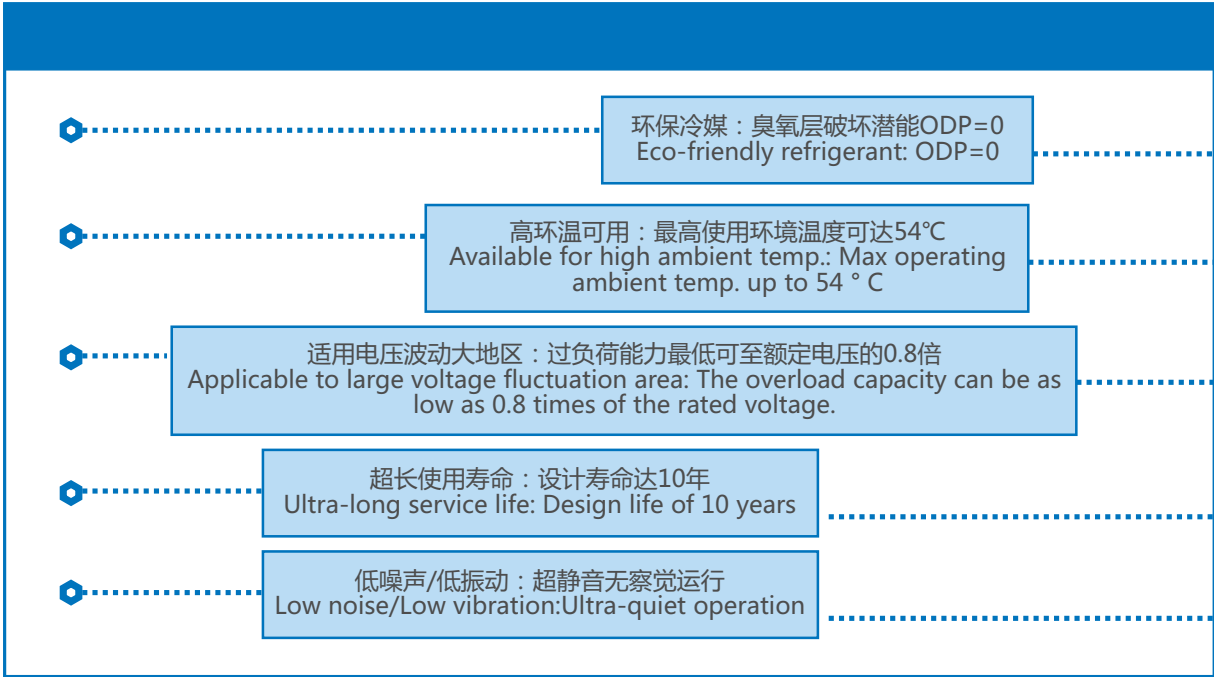
备注：型号带 “※” ,代表开发中;型号带 “*A” ,代表高效机型
(Remark: Model with “※” is under development;Model with “*A” represents high-efficiency compressor.)



机柜用压缩机
Cabinet Compressor



产品特点 Product Features



压缩机型谱 Compressor Spectrum

产品类别 Product Category		压缩机能力范围 Capacity Range						
冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	341.2	1706	3070.8	4435.6	5800.4	7165.2
		W	100	500	900	1300	1700	2100
R134a	220-240V/50Hz							
	220-240V/50Hz & 220-240V/60Hz							
	48V/DC							

压缩机产品规格 Compressor Spec.

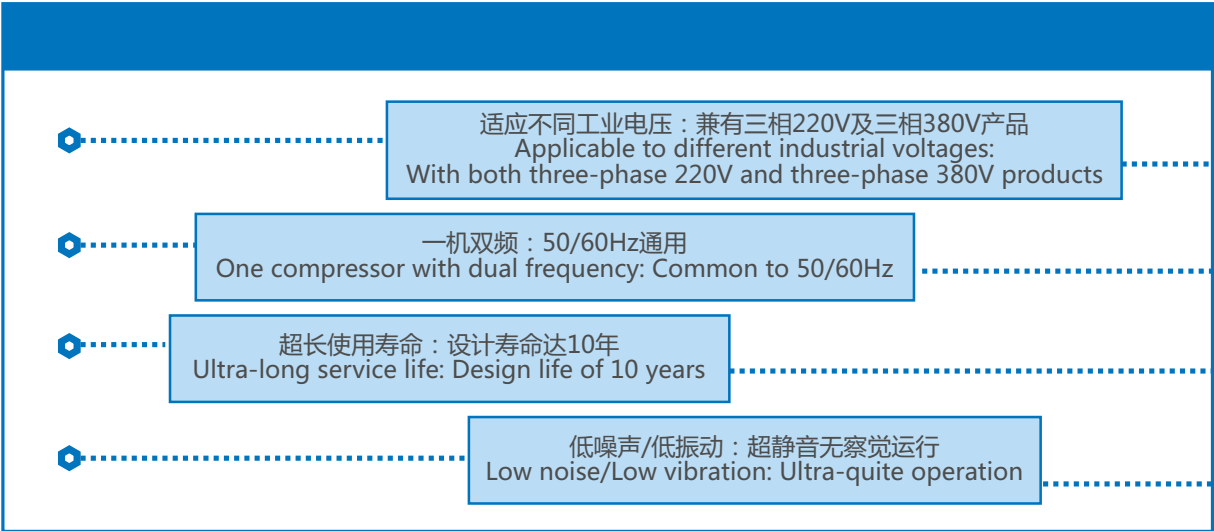
R134a T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
A	QXEM-A056	5.6	2047	600	220	2.75	15μF/450V	ASHRAE/T
	QXEM-A081	8.1	3173	930	326	2.85	15μF/450V	

R134a T1 [1φ]220-240V 50/60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	频率 Frequency(Hz)	测试工况 Test Conditions
A	QXEM-A115	11.5	4606	1350	500	2.70	50/60	ASHRAE/T
B	QXEM-B18	17.5	7015	2056	670	3.07	50/60	

R134a [48V]DC								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运行频率范围 Operating frequency range (Hz)	测试工况 Test Conditions
P	QXE-P014z	1.4	835	250	92	2.70	40-90	ASHRAE/T 75Hz

备注：型号带“※”,代表开发中 (Remark: Model with “※” is under development)

产品特点 Product Features



压缩机型谱 Compressor Spectrum

产品类别 Product Category		压缩机能力范围 Capacity Range						
冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	1706	3070.8	4435.6	5800.4	7165.2	8530
		W	500	900	1300	1700	2100	2500
R407C	220-240V/50Hz & 220-240V/60Hz							
	380V/50Hz & 380V/60Hz							

工业制冷用压缩机
Industrial Refrigeration Compressor



压缩机产品规格 Compressor Spec.

R407C T1 [3φ]220-240V 50Hz/60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	频率 Frequency(Hz)	测试工况 Test Conditions
B	QXC-B15w	15.0	10366	3038	955	3.18	60	ASHRAE/T
		15.0	8445	2475	832	2.97	50	
	QXC-B18w	17.5	11918	3493	1130	3.09	60	
		17.5	10024	2938	993	2.96	50	
D	QXC-D273w	27.3	18841	5522	1758	3.14	60	
		27.3	15695	4600	1515	3.04	50	
F	QXC-F34w	33.7	22888	6708	2208	3.04	60	
		33.7	18520	5428	1865	2.91	50	

R407C T1 [3φ]380V 50Hz/60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	频率 Frequency(Hz)	测试工况 Test Conditions
B	QXC-B15s	15.0	10195	2988	959	3.12	60	ASHRAE/T
		15.0	8530	2500	849	2.94	50	
	QXC-B18s	17.5	11976	3510	1121	3.13	60	
		17.5	10004	2932	983	2.98	50	
D	QXC-D273s	27.3	19346	5670	1760	3.22	60	
		27.3	16002	4690	1630	2.88	50	
F	QXC-F34s	33.7	23423	6865	2156	3.18	60	
		33.7	19694	5772	1814	3.18	50	



微型压缩机
Micro Compressor



压缩机型谱

产品类别 Product Category		压缩机能力范围 Capacity Range						
冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	0	682.4	1023.6	1364.8	1706	2047.2
		W	0	200	300	400	500	600
R134a	48V/DC							
	24V/DC							

产品规格

R134a [48V]DC								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运转频率范围 Operating Frequency Range (Hz)	测试工况 Test Conditions
G	ETz-AG036A※	3.6	2013	590	205	2.88	30-90	ASHRAE/T 70Hz
K	ESz48-AK035AP※	3.5	1655	485	176	2.75	30-90	ASHRAE/T 60Hz
P	QXE-P014z	1.4	853	250	92	2.72	40-90	ASHRAE/T 75Hz
	ESz48-AP020AL※	2.0	1195	350	138	2.54	40-90	

R134a [24V]DC								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制热量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运转频率范围 Operating Frequency Range (Hz)	测试工况 Test Conditions
P	ESz24-AP007AL※	0.7	392	125	50	2.50	40-90	ASHRAE/T 75Hz
P	ESz24-AP014AL※	1.4	766	244	100	2.44	40-90	
	ESz24-AP020AL※	2.0	1078	344	150	2.30	40-90	

备注：型号带 “※” ,代表开发中 (Remark: Model with “※” is under development)



冷冻冷藏压缩机
Compressor for Freezing& Refrigeration



压缩机型谱 Compressor Spectrum

产品类别 Product Category			压缩机能力范围 Capacity Range									
应用领域 Application	冷媒 Refrigerant	电压/频率 Voltage/Frequency	BTU/h	2047	5459	8871	12283	15695	19107	22519	25931	29343
			W	600	1600	2600	3600	4600	5600	6600	7600	8600
高温冷藏 High-Temp Refrigeration	R404A	220-240V/50Hz										
中低温冷藏 Mid-Low Temp Refrigeration	R404A	220-240V/50Hz										
		208-230V/60Hz										
	R22	220-240V/50Hz										
中低温冷冻冷藏 Mid-Low Temp Freezing&Refrigeration	R404A	380V/50Hz										
超低温冷藏 Ultra-Low Temp Refrigeration	R404A	220-240V/50Hz										
中高温冷冻冷藏 High-Low Temp. Freezing&Refrigeration	R290	220-240V/50Hz										

压缩机产品规格 Compressor Spec

高温冷藏用压缩机 Compressor for High-Temp.Refrigeration R404A [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
C	GGu-AC160DAAA	16.8	9961	2921	1052	2.78	35μF/450V	ASHRAE/T
	GGu-AC193DEAA	19.3	11475	3365	1212	2.78	35μF/450V	
	GGu-AC238DEAA	23.8	14834	4350	1500	2.90	35μF/450V	
SF	GGu-AF325DFAB	32.5	19324	5667	2041	2.78	50μF/450V	
	GGu-AF360DFAB	35.6	21244	6230	2200	2.83	50μF/450V	
	GGu-SF438DEAF	43.8	26042	7637	2751	2.78	60μF/450V	
	GGu-SF490DNAB	49.0	29783	8734	3168	2.76	70μF/450V	

中高温冷冻冷藏用压缩机 Compressor for Mid-High Temp.Freezing& Refrigeration R290 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
B	QXD-B172	17.2	8652	2535	780	3.25	30μF/450V	ASHRAE/T
C	QXD-C184	18.4	9378	2750	820	3.35	25μF/450V	

中低温冷藏用压缩机 Compressor for Mid-High Temp.Refrigeration R404A [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
C	QYGL-C139Y	13.9	2685	787	680	1.16	35 μ F/450V	冷冻冷藏工况 Freezing/Refrigeration Condition
	QYGL-C17Y	17.0	3332	977	843	1.16	45 μ F/450V	
D	QYGL-D238Y	23.8	4875	1430	1220	1.17	50 μ F/450V	
F	QYGL-F325Y	32.5	8262	2423	1923	1.26	55 μ F/450V	
	QYGL-F36Y	35.6	9118	2670	2130	1.25	55 μ F/450V	
SF	QYGSL-F413Y	41.3	9560	2800	2250	1.24	60 μ F/450V	

中低温冷藏用压缩机 Compressor for Mid-Low Temp.Refrigeration R404A [1φ]208-230V 60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
C	QYGL-C139Y	13.9	3930	1150	940	1.22	30μF/450V	冷冻冷藏工况 Freezing/Refrigeration Condition
D	QYGL-D238Y	23.8	6513	1910	1570	1.22	45μF/450V	
F	QYGL-F36Y	35.6	10927	3200	2550	1.25	50μF/450V	

中低温冷藏用压缩机 Compressor for Mid-Low Temp.Refrigeration R22 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
C	QYL-C139Y	13.9	2609	765	665	1.15	35μF/450V	冷冻冷藏工况 Freezing/Refrigeration Condition
D	QYL-D238Y	23.8	4433	1300	1130	1.15	40μF/450V	
F	QYL-F325Y	32.5	5855	1716	1493	1.15	55μF/450V	
	QYL-F36Y	35.6	6411	1880	1635	1.15	55μF/450V	

中低温冷冻冷藏用压缩机 Compressor for Mid-Low Temp.Freezing& Refrigeration R404A [3φ]380V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
F	QXGSL-F41sN050	41.0	10832	3180	2140	1.50	/	冷冻冷藏工况 Freezing/Refrigeration Condition
	QXGSL-F475sN450	48.0	12548	3680	2478	1.50	/	
H	QXGSL-H72sN330	72.0	19096	5600	3600	1.55	/	

中低温冷冻冷藏用压缩机 Compressor for Mid-Low Temp.Freezing& Refrigeration R290 T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
D	QYDL-D238Y130	23.8	4805	1408	884	1.59	50uF/450V	冷冻冷藏工况 Freezing/Refrigeration Condition
F	QYDL-F36Y	35.6	7594	2225	1347	1.65	运行电容55μF/450V (启动电容2X60 uF/450V)	

中低温冷冻冷藏用压缩机 Compressor for Mid-Low Temp.Freezing& Refrigeration R404A DC Inverter								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
H	QXGSL-H72zN330	72.0	28950	8490	4715	2.00	/	冷冻冷藏工况 Freezing/Refrigeration Condition

超低温冷藏用压缩机 Compressor for Ultra-Low Temp. Refrigeration R404A [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
D	QXGTL-D159F030	15.9	4060	1190	980	1.21	45μF/450V	冷冻冷藏工况 Freezing/Refrigeration Condition
	QXGTL-D20F030	20.0	5976	1750	1340	1.31	45μF/450V	
	QYGTL-D159Y	15.9	4060	1200	1000	1.20	45μF/450V	
	QYGTL-D20Y	20.0	5260	1540	1270	1.21	45μF/450V	
F	QXGTL-F310N050	31.0	7513	2200	1920	1.15	60μF/450V	

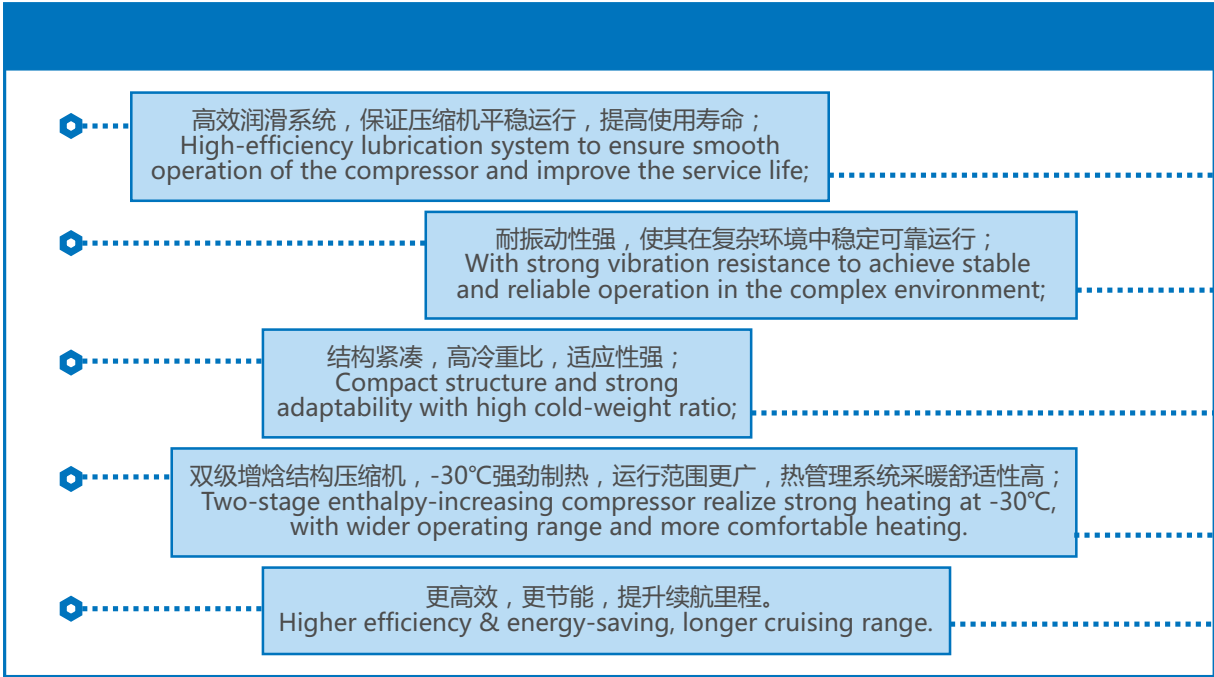
超低温冷藏用压缩机 Compressor for Ultra-Low Temp. Refrigeration R404A DC Inverter								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
D	QXGTL-D20zF030	20.0	6553	1920	1450	1.32	/	冷冻冷藏工况 Freezing/Refrigeration Condition
D	QYGTL-D20zY	20.0	6416	1880	1450	1.29	/	
F	QXGTL-F310zN050	31.0	10270	3010	2060	1.30	/	



车载压缩机
Compressor for Vehicle



产品特点 Product Features



压缩机产品规格 Compressor Spec.

- 电动车用双级增焓压缩机
Two-Stage Enthalpy-Increasing Compressor for Electric Vehicle

R410A DC[400~700]								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运转频率范围 Operating Frequency Range (Hz)	测试工况 Test Conditions
TD	YAQz-TD200AY	20.0	21909	6425	2390	2.69	30-100	ASHRAE/T
TF	YAQz-TF310AY※	31.0	33725	9890	3700	2.67	30-100	ASHRAE/T

备注：型号带“※”,代表开发中 (Remark: Model with “※” is under development.)

- 电动车用压缩机 Compressor for Electric Vehicle

R410A DC [400~700V]								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运转频率范围 Operating Frequency Range (Hz)	测试工况 Test Conditions
SF	YAQz-SF295AY	29.5	30349	8900	3000	2.97	30-120	ASHRAE/T
	YAQz-SF428AY	42.8	44501	13050	4350	3.00	30-120	ASHRAE/T
SH	YAQz-SH640AY	64.0	71269	20900	6800	3.07	30-85	ASHRAE/T

- 低速车 LSVs

R134a DC 60V								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	运转频率范围 Operating Frequency Range (Hz)	测试工况 Test Conditions
B	YEQz60-AB135AY	13.5	6752	1980	560	3.54	30-70	ASHRAE/T

- 卧式移动空调压缩机 Horizontal Mobile AC Compressor

R410A T1 [1φ]115V 60Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
C	QYA-CL24XY	12.4	12410	3650	1340	2.72	60μF/250V	ASHRAE/T
	QYA-CL33XY	13.3	13640	4000	1460	2.74	60μF/250V	ASHRAE/T

R410A T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
B	QYA-B106	10.6	8490	2490	900	2.77	35μF/450V	ASHRAE/T
	QYA-B125Y	12.5	10055	2950	1030	2.86	35μF/450V	
C	QYA-CL133Y	13.3	10740	3150	1145	2.75	35μF/450V	
SF	QYAS-F295Y	29.5	24109	7070	2510	2.82	60μF/450V	

R134a T1 [1φ]220-240V 50Hz								
系列 Series	压缩机型号 Model	排量 Displ.(cc)	冷量 Capacity (Btu/h)	制冷量 Refrigerating Capacity (W)	功率 Power (W)	COP (W/W)	电容 Capacitor(μF)	测试工况 Test Conditions
A	QYE-A104Y	10.4	4024	1180	410	2.87	15μF/450V	ASHRAE/T

StandardPacking Of Compressor
压缩机标准包装

依据运输要求，分为出口包装和内销包装，分别见右图：
Packings can be divided into export packing and domestic sales packing according to transport requirements, see the right figure:

系列代号 Series Code	托盘规格 Pallet Spec. L(mm)xW(mm)	层数 Layer No.	每层数量 Qty. per Layer	每箱数量 Qty. per Box (Unit 台)	每箱高度 Height per Box H(mm)			每箱毛重(kg) Gross Weight per Box		
P	459x314	2	8	16	347	~	-	17	~	-
P	1170x990	2	7	224	512	~	-	315	~	-
K	1170x990	3	56	168	919	~	-	621	~	50
G	1170x990	3	42	126	933	~	993	674	~	680
N	1170x990	2	30	60	833	~	844	458	~	479
A	1170x990	2	30	60	774	~	834	500	~	638
M	1170x990	2	30	60	887	~	905	614	~	758
B-L支脚 B-L Foot	1170x990	2	25	50	909	~	987	620	~	720
B-150mm底板 B-150mm Mounting Plate	1170x990	2	30	60	899	~	927	749	~	857
C	1170x990	2	25	50	885	~	956	755	~	835
D	1170x990	2	20	40	932	~	999	730	~	754
	1170x990	1	20	20	544	~	578	390	~	402
E	1170x990	2	20	40	997	~	1035	802	~	898
	1170x990	1	20	20	577	~	596	426	~	474
F	1170x990	2	20	40	975	~	1137	850	~	1090
	1170x990	1	20	20	566	~	646	450	~	570
H	1170x990	1	16	16	682	~	735	586	~	658

注：1）不含卧式机型，增焓机型等。[Remark: 1) Horizontal model& Enthalpy-increasing model are not included.]

依据运输降低物流成本的需求，部分系列、型号装放数量增加，如下表：
The loading& unloading qty. of some series and models are increased based on the reduced logistics cost, as shown in the following table:

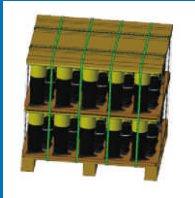
系列代号 Series Code	托盘规格 Pallet Spec. L(mm)xW(mm)	层数 Layer No.	每层数量 Qty. per Layer	每箱数量 Qty. per Box (Unit 台)	每箱高度 Height per Box H(mm)			每箱毛重(kg) Gross Weight per Box		
B-150mm底板 B-150mm Mounting Plate	1150x1100	3	56	168	1019	~	-	882	~	-
G-150mm底板 G-150mm Mounting Plate	1150x1100	3	42	126	999	~	-	791	~	-
N	1150x1100	2	36	72	853	~	381	550	~	-
A	1150x1100	2	36	72	751	~	841	518	~	756
M	1150x1100	2	30	72	827	~	911	727	~	900
B-175mm底脚 B-175mm Foot	1150x1100	2	30	60	837	~	974	614	~	854
B-150mmL支脚 (50°及30°、非球形上盖) B-150mmL Foot(50°and 30° Non-Spherical Upper Cover)	1150x1100	2	30	60	837	~	974	614	~	854
B-150mm底脚 (不含以上两种) B-150mm Foot(Neitherof the above is included)	1150x1100	2	36	72	837	~	974	734	~	1015
C	1150x1100	2	30	60	816	~	949	896	~	992
D-L支脚球形上盖 (30°/50°) D-L Foot with Spherical Upper Cover (30°/50°)	1150x1100	2	25	50	937	~	1003	725	~	935
D-其余 (支承圈包装) D-Others (Packing of Supporting Ring)	1150x1100	2	30	60	937	~	1003	725	~	935
E	1150x1100	2	25	50	998	~	1039	990	~	1110
F	1150x1100	2	24	48	960	~	1145	1010	~	1298

注：1）不含卧式机型，增焓机型等。[Remark: 1) Horizontal model& Enthalpy-increasing model are not included.]

内销包装
Domestic
Sales Packing



出口包装
Export
Packing



技术服务 | Technical Service

多元化高效精品压缩机产品
Diversified and efficient quality compressors



共同开发
Joint development

性能、噪音、应力等整体式解决方案以及系统技术解决方案
Overall solutions for performance, noise, stress, and system tech solutions



快速反应的生产供货服务
Rapid supply& delivery service



创新科技 卓越智造 共创舒适新生活
Creative Tech Made In Wisdom Create a Comfort New Life