

HIGHLY 海立

Heating & Cooling the World

冷暖世界

悦变
我们飞翔



上海海立(集团)股份有限公司于1992年在上海市证交所成功上市(A股600619/B股900910),此后携手外资进军空调压缩机产业,并逐步向制冷关联产业领域延伸,如今海立已成长为全球领先的空调压缩机、电机及驱动控制、以及冷暖关联产品研发制造商,旗下共有9家企业,形成了“压缩机、电机、驱动控制、冷暖关联”四大关联产业板块业务,产品遍及全球165个国家和地区的亿万家庭。

公司主营业务空调压缩机,拥有国家级企业技术中心和国家认可实验室、博士后工作站、现代制造技术中心、以及国际先进水平的工艺技术装备和智能制造系统,能够生产各种冷媒、不同电压和频率的9大系列1000多个高效节能机种,产能2000万台,占有全球1/7的市场份额,在全球拥有5家世界级绿色工厂(上海东、上海西、南昌、绵阳、印度)和7个技术服务中心(上海、南昌、广东、米兰、德里、东京、芝加哥),为全球客户提供属地化的产品、优质的服务和技术支持。

作为一个企业公民,海立始终秉承着“真心奉献”企业理念,把“改善人们的生活环境、保护人类的生存环境”使命贯穿到企业创新体系中,制订了“节能、环保和资源节约”产品发展方向,研发生产和销售变频、新冷媒等绿色环保产品,为节能和舒适的生活提供源源绿色动力。海立相信,持续的创新是创造未来绿色世界的有力驱动,创新的海立将义不容辞地为人类的未来美好而持续努力。

Shanghai Highly (Group) Co., Ltd. was established in 1954 and successfully listed on the Shanghai Stock Exchange (A share 600619/B share 900910) in 1992. Then it joined with foreign-owned enterprises to march towards the air conditioning compressor industry and gradually extended into the refrigeration-related industry. Nowadays, Highly has grown into the world's leading research and development manufacturer of air conditioning compressors, electric motors, drive controls, and cooling and heating-related products. It owns nine enterprises and has formed four related industry sector businesses of "compressors, electric motors, drive controls, and cooling and heating-related products", with products extending to hundreds of millions of families in 165 countries and regions around the world.

The company has a national-level enterprise technical center and nationally recognized laboratory, postdoctoral workstation, modern manufacturing technical center, and a technical equipment and intelligent manufacturing system on an advanced international level for its main business – air conditioning compressors. It is capable of producing various refrigerants and more than 1,000 efficient energy-saving models of nine series with different voltages and frequencies, with the capacity of 20 million units. It takes up 1/7th of the market share of the world and has five world-level green plants (east Shanghai, west Shanghai, Nanchang, Mianyang and India) and seven technical service centers (Shanghai, Nanchang, Guangdong, Milan, Delhi, Tokyo and Chicago) globally, providing global customers with localized products, quality service, and technical support.

As a corporate citizen, Highly has always adhered to the corporate philosophy of "sincere contribution", integrated the mission of "improving people's inhabitation environment and protecting human's living environment" into the innovation system of the enterprise, and worked out the product development direction of "energy saving, environmental protection, and resource saving". It develops, produces and sells green environmental protection products, such as frequency conversion and new refrigerants, and provides a steady flow of green power for energy-saving and a comfortable life. Highly believes that continuous innovation is a strong drive to create the future green world. Innovative Highly will be duty-bound to make sustained efforts for a beautiful future for human beings.

1993-1996 引进技术 | Technology Import

1993 年技术开发部成立
引进第一个系列 SG 系列（4 个机型）
R&D Center was founded in 1993.
SHEC imported the first compressor series—SG series (including four models).
1994 年第一个大冷媒充注量客户机 SG533QB2 开发
The first high refrigerant charge customization model SG533QB2 was developed in 1994.
1995 引进 SH 系列
SH compressor series was introduced in 1995.
开发第一个出口机型 SG515QBL1
Developed the first export model SG515QBL1.
第一台 2 HP 压缩机 SHW33TC4 批量生产
The first 2HP Compressor SHW33TC4 was mass produced.
1996 年第一个低电压启动压缩机 SHY33MC-G 开发
The first low voltage start compressor SHY33MC-G was developed in 1996.
第一个进行大幅设计变动的压缩机 SG633G/PB1-S 开发
The first compressor SG633G/PB1-S with significant improvement was developed.

2000-2003 联合开发 Cooperative Research & Development

2000 年和日本日立联合开发 3 HP 双转子压缩机（TH 系列）
Cooperated with Hitachi Japan, jointly developed 3 HP twin rotary compressor (TH series).
成立要素研究室并开始进行相关基础技术的系统研究
Laboratory of Elements was founded to carry out systematic research for foundational technology.
2001 年成立加工分析中心具备研发试验能力
Processing and Analysis Center was founded in 2001 and SHEC has the capability of trial production specially for R&D.
2002 年和日本日立联合开发 1.5 HP 高效压缩机（L 系列）
Cooperated with Hitachi Japan, jointly developed 1.5HP Hi-Efficiency compressor(L series) in 2002.
2003 年和日本日立联合开发 R410A 集中供应直流变频压缩机（DC 系列）
Cooperated with Hitachi Japan, jointly developed DC inverter.

2004-2007 自主创新 Independent Innovation

2004 年成立材料研究室
Material Research Lab was founded in 2004.
2005 年工艺技术部进入技术体系
Production Engineering department was merged into R&D.
2006 年自主开发 5 大规格双气缸旋转压缩机（TE 系列）
进入商业领域
SHEC independently Developed 5HP twin-rotary compressor(TE series) for light commercial application.
2007 年实验检测中心进入技术体系
Experimental Identification Center was merged into R&D center.
年产量超 1200 万台
Annual sales volume achieved 12 million.
累计产量 8000 万台
Accumulative production volume achieved 80 million.

2008- 自主创新 Independent innovation

2008 年开始自主创新多领域发展
推出车用卧式压缩机、热泵及膨胀产品
南昌技术中心成立
印度技术中心成立
Independent innovation for multi field application.
Introduced horizontal compressor for vehicle, heat pump and scroll compressors.
NanChang Highly Technology Center was founded.
Highly India Technology Center was founded.
2009 年开发干衣机产品
SHEC developed compressors for tumble dryer in 2009.
2010 年开发 CO2 零排放天然制冷剂产品
In 2010, SHEC developed CO2 compressors which use zero emission nature refrigerant.
广东技术研发中心成立
Guangdong Highly Technology Center was founded.
2010 年 6 月 21 日第 1 台压缩机下线
The No.100 million compressor was rolled out on 21st June, 2010.

2011 年海立睿能空气源热泵热水器发布会召开，睿能产品正式投入市场
HIGHLY REELUNEN Air-source heat pump water heater was launched in 2011.

2012 年推出车用膨胀压缩机
推出 R32 变频产品
SHEC introduced scroll compressors for vehicle in 2012.
Lunched R32 inverter compressors.

2013 年海立欧洲技术研发中心成立
推出 4-6 匹大模组变频系列
Highly Europe Technology Center was founded in 2013.
Introduced 4-6HP Large-Scale Inverter compressors.

2014 年海在日本技术研发中心成立
Highly Japan Technology Center was founded in 2014.
海立美国技术研发中心成立
Highly America Technology Center was founded.
海尔·海立联合实验室成立
Set up a joint laboratory between HIGHLY and HAIER推出微型压缩机
Introduced micro compressor.
R32 变频压缩机量产
R32 DC inverter compressor was mass produced.
R32 定速压缩机全系量产
Whole series of R32 constant speed compressors were mass produced.
R32/R290 环保制冷剂量产
R32/R290 Eco-friendly refrigerant compressors were mass produced.

2015 年通讯机柜用压缩机 BSW 系列批量供货
BSW series compressor were mass produced for telecom cabinet application.

2016 年业内最大变频压缩机 BLACKMAX 推出
Launched the Biggest DC INV Rotary Compressor in the industry BLACKMAX.
双蒸发温度压缩机推出
Launched the patented new compressor suitable for dual evaporating Temperature.
低温采暖专用喷气增焓变频压缩机推出
Enhanced vapor injection inverter compressor for low-temperature heating was launched in 2016.

1997-1999 消化吸收 | Technology Digestion & Absorption

1997 年成立技术中心
引进 G 系列变频技术
R&D center was founded in 1997.
In the same year, SHEC imported G series inverter compressor technology.
1998 年被认定为国家级企业技术中心
获得第一个实用新型专利产品
Our R&D Center was affirmed as National Enterprise Technology Center.
Obtained the first utility model patent.
1999 年首次开发出 SH 系列变频机型 SHU20K**.V
The first SH series inverter model SHU20K**.V was developed in 1999.
第一台 2.8 HP 压缩机 SHV33YC6-G 开发成功
The first 2.8HP Compressor SHV33YC6-G was developed.



Series Introduction

系列介绍



适用于通讯户外柜电池仓空调、便携式空调及车载冰箱等用途。
采用环保型制冷剂R134a、R600a、R1234yf；
直流12v-48v全覆盖。
一体化机架结构（专利技术）设计使之更加高效、静音。
配套高度集成的一体化线束（专利技术）
明星产品（国家家电科技进步一等奖）

Applied to battery box cooling, portable AC and car refrigerator
Using environmental friendly refrigerants, such as R134a, R600a, R1234yf.
Full coverage of DC power from 12-48V
Better performance and lower noise due to the Unitized Frame(Patented technology)
Supporting with High integrated Unitized Cable(Patented technology)
Star Product (First prize of Household Electrical Appliances Science & Technology Awards)



适用空调：定速1-1.5HP，变频2.0HP-2.5HP；
采用R22、R410A、R290、R32等多种制冷剂；
多种电源规格可选，产品型谱齐全；
高效节能可靠。

Applied to fixed speed AC with capacity of 1.0HP-1.5HP and INV AC with capacity of 2.0HP-2.5HP.
Using various refrigerants, such as R134a,R410A, R290 & R32.
Selectable models with various power resources, spectrum is complete.
High Energy-efficiency and reliability.



适用于5-20L的除湿机和小HP-1HP变频空调；
采用环保型制冷剂R134a、R410A、R290、R32；
结构紧凑，体积小重量轻，高效节能可靠；
多种电源规格可选，含定速和变频；
兼有干衣机、机柜空调等特殊领域用压缩机。

Applied to dehumidifier with capacity of 5-20L, and RAC with small 1.0HP - 1.0HP capacity.
Using environmental friendly refrigerants, such as R134a,R410A, R290 & R32.
Compact structure with small size and weight.
High Energy-efficiency and reliability.
Selectable models with various power resources, including fixed speed and INV.
Products for special fields like dryers, cabinet air conditioners, etc are also available.



适用空调：变频小1HP-1.5HP；
压缩机转速范围1000-7600rpm；
采用环保制冷剂R410A、R32；
满足日本、中国空调APF标准；
高效、节能、静音。

Applied to INV AC with the capacity of small 1HP-1.5HP.
Speed range is 1000-7600RPM.
Using environmental friendly refrigerants R410a & R32.
Meeting the APF regulation of Japan & China.
High Energy-Efficient and silent.



适用空调：定速小1HP-1HP；变频1HP-2.5HP；
单双转子兼备、铁氧体和稀土并举；
采用环保型制冷剂R410A和R32；
性能和噪音水平行业领先。

Applied to fixed speed RAC with capacity of small 1.0HP - 1.0HP and INV RAC with capacity of small 1HP-2.5HP.
Both Single rotary and twin rotary are available, ferrite and rare earth models are developing parallelly.
Using environmental friendly refrigerants R410A and R32.
Leading the performance and noise in whole industry.



适用空调：定速2-3HP；
采用R22、R410A、R290、R32等多种制冷剂；
多种电源规格可选；
适用于T1、T3工况，产品型谱丰富。

Applied to fixed speed RAC with capacity of 2.0HP-3.0HP and INV RAC with capacity of 2.5-3.0HP.
Using various refrigerants, such as R134a,R410A, R290 & R32.
Selectable models with various power resources.
Suitable for T1 and T3 condition, spectrum is complete.



国内首家大功率的5HP双转子压缩机；
适用于4-7HP家用和商用空调；
采用R22、R410A、R32等多种制冷剂；
兼有单相、三相电源及多国家/地区多种电源。超高能效。

The 1st twin rotary compressor with 5HP capacity in domestic market.
Applied to RAC and PAC with capacity of 4.0-7.0 HP.
Single phase, three phase as well as various power resources for different countries and regions.
Super High energy efficiency.



适用空调：定速3-4HP；变频4-6HP家用和商用；
采用R22、R410A、R32、R407C等多种制冷剂；
多种电源规格可选；
出油率低，高效节能可靠。

Applied to fixed speed RAC with capacity of 3.0HP-4.0HP and INV RAC and PAC with capacity of 4.0HP-6.0HP.
Using various refrigerants, such as R134a,R410A, R290 & R32.
Selectable models with various power resources.
Low OGR, High Energy-efficiency and reliability.



▶ 变频机 Inverter



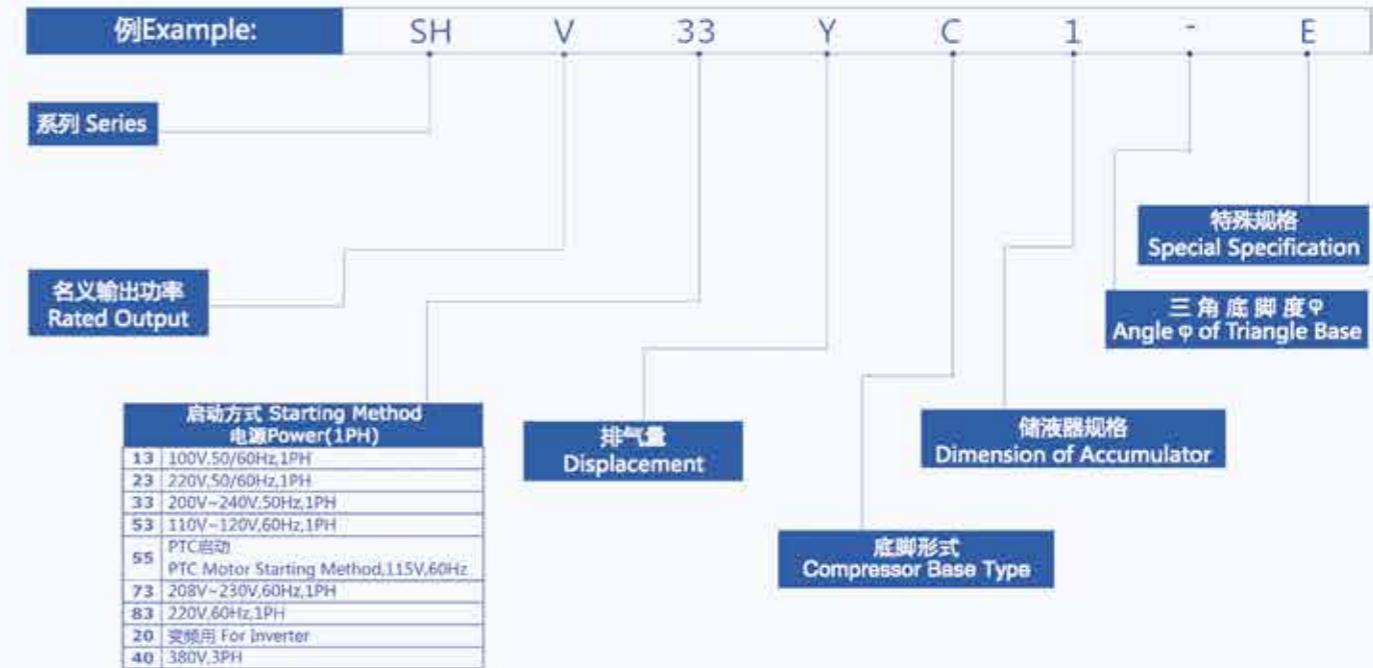
▶ 定速机 Constant-Speed

冷媒 Refrigerant	电源 Power	BTU/h	6825	13650	20480	27300	34125	40950	47750
		W	2000	4000	6000	8000	10000	12000	14000
R410A	220-240V, 50Hz	D G L H TH							
	280-230V, 60Hz	D G L H TH							
	115-120V, 60Hz	A D G							
R22	220-240V, 50Hz	D G L H TH							
	380V, 50Hz		TH		TE				
	208-230V, 60Hz	D G L H TH							
	115-120V, 60Hz	D G L							
R134a	220-240V, 50Hz	A							
	208-230V, 60Hz	A							
	115-120V, 60Hz	A							
	100V, 50/60Hz	A							
	100-110V, 50/60Hz	A							
R32	220-240V, 50Hz	D G L H							
R290	220-240V, 50Hz	A G L H							
R744	220-240V, 50Hz	D/H							

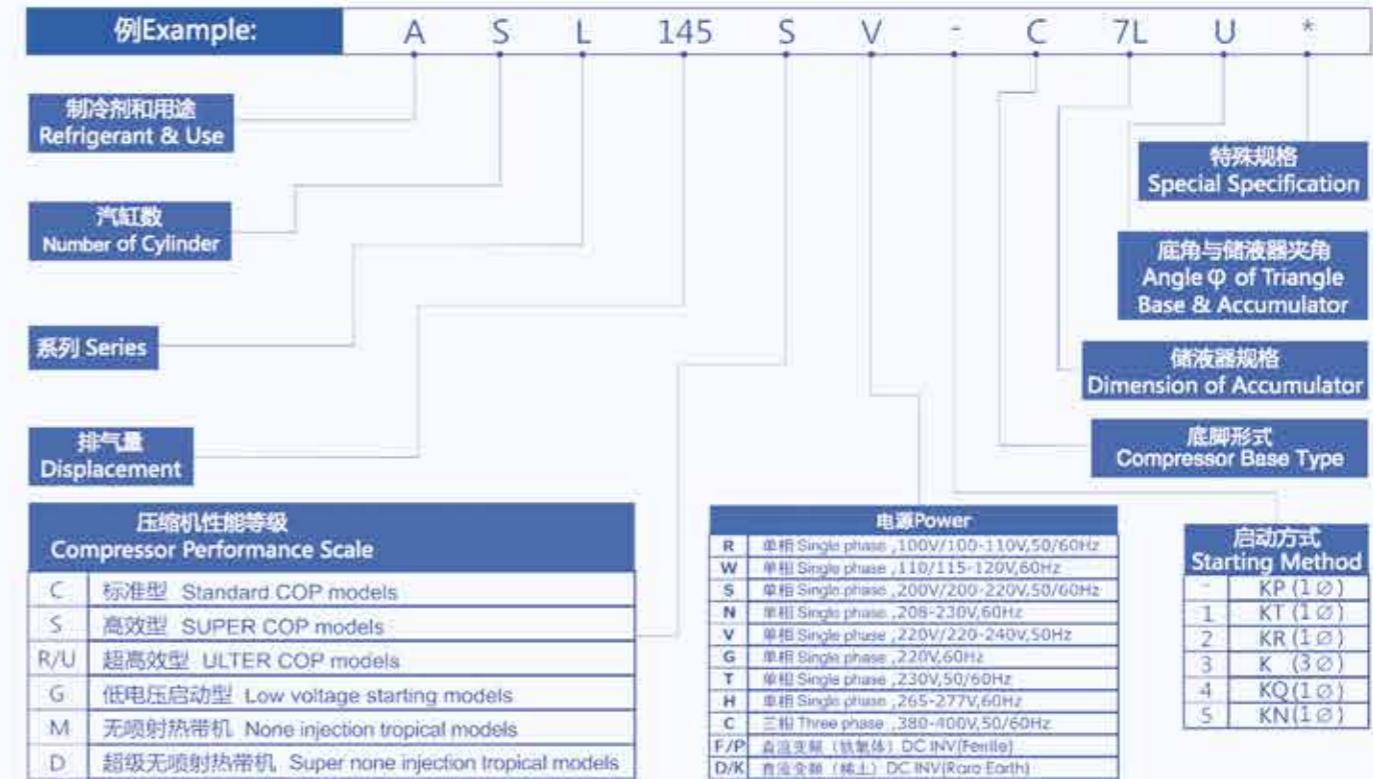
▶ 热带机 Tropical

类型 Type	能力 Capacity(Btu/h)	SL' 15K 18K 21K 24K 27K 30K 33K 36K 39K 42K										
		SL'	15K	18K	21K	24K	27K	30K	33K	36K	39K	42K
R22	220-240V, 50Hz		H		TH							
R410A	220-240V, 50Hz	L	I	H								
	230V, 60Hz	L	I	H								

压缩机编号方法A/Model code identification A



压缩机编号方法B/Model code identification B



变频压缩机测试工况 Inverter Compressor Testing Condition

测试工况 Testing condition	冷凝温度 (°C) Condensing temp(°C)	蒸发温度 (°C) Evaporating temp(°C)	过冷温度 (°C) Subcooling temp(°C)	过热温度 (°C) Superheating temp(°C)	环境温度 (°C) Ambient temp(°C)
ASHRAE/T	54.4	7.2	8.3	27.8	35.0
S09-C1	45.0	7.2	8.3	11.1	35.0
New GB	46.0	7.2	8.3	27.8	35.0
Cooling rated	44.5	8.0	8.3	12.0	35.0

定速压缩机测试工况 Constant-speed Compressor Testing Condition

测试工况 Testing condition	冷凝温度 (°C) Condensing temp(°C)	蒸发温度 (°C) Evaporating temp(°C)	过冷温度 (°C) Subcooling temp(°C)	过热温度 (°C) Superheating temp(°C)	环境温度 (°C) Ambient temp(°C)
ASHRAE/T	54.4	7.2	8.3	27.8	35.0
S09-C1	45.1	10.0	8.3	10.0	35.0
Refrigeration	54.4	-6.7	8.3	41.7	35.0
Freezing	54.4	-23.3	22.2	41.6	32.2



系列 Series	型号 Model	排气量 Displacement (cc/rev)	冷量 Cooling Capacity (W)	冷量 Cooling Capacity (Btu/h)	COP (W/W)	转速 Speed (RPM)	压缩机高度 Height (mm)	测试工况 Testing Condition
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直流变频 R410A DC Inverter R410A

A	ASA880RK-6	8.8	2960	10100	4.30	3600	209.2	New GB
D	ASD088SKQ-6B	8.8	2960	10100	4.40	3600	226.0	New GB
	ASD088RKQ-6B	8.8	2960	10100	4.46	3600	226.0	New GB
	ASD102SKQ-6B	10.2	3500	11942	4.43	3600	226.0	New GB
	ASD102RKQ-6B	10.2	3550	12113	4.50	3600	226.0	New GB
	ATD141RKN-6	14.1	5560	18971	4.45	4000	261.0	S09-C1
	ATD141UKQ-6	14.1	5560	18971	4.50	4000	261.0	S09-C1
G	ASD145RKN-6	14.5	5650	19278	4.45	4000	245.0	S09-C1
	ATD150UKQ-6	15.0	5920	20199	4.46	4000	261.0	S09-C1
L	ATD186UKP-6	18.6	7200	24566	4.44	4000	291.0	S09-C1
	ASG133SKQ	13.3	5230	17845	4.45	4020	247.0	S09-C1
	ATL232UDP-1	23.2	6520	22247	3.26	3300	290.5	ASHRAE/T
	ATL253UDP	25.3	7150	24397	3.20	3300	307.5	ASHRAE/T
TH	ATH307SD	30.7	8710	29726	3.25	3300	358.0	ASHRAE/T
	ATH356SD	35.6	10100	34462	3.25	3300	358.0	ASHRAE/T
	ATH420SD	42.0	11900	40603	3.25	3300	364.0	ASHRAE/T

直流变频 R32 DC Inverter R32

A	GSA586SK	5.86	2000	6824	4.16	3600	209.2	New GB
X	GSA725SK	7.3	2480	8973	4.16	3600	209.2	New GB
	TX073SG3	7.3	2985	10185	4.36	4000	189.4	S09-C1
	TX073SG4	7.3	2985	10185	4.42	4000	189.4	S09-C1
D	GSD088SKQ-6	8.8	3600	12283	4.52	4000	226.0	S09-C1
	GSD102SKQ-6	10.2	4200	14330	4.55	4000	226.0	S09-C1
	GTD130UKQ-6	13.0	5360	18288	4.62	4000	261.0	S09-C1
G	GSG133SKQ	13.3	5500	18766	4.65	4020	261.0	S09-C1
L	GTL220UDP-1	22.0	7320	24976	4.82	3180	290.5	Cooling rated
	GTL253UDP-1	25.3	8420	28729	4.85	3180	290.5	Cooling rated
TH	GTH420SDP	42.0	16000	54592	4.40	4020	375.8	S09-C1

直流变频 R290 DC Inverter R290

D	PSD162RKQ-6	16.2	3720	12693	4.90	4000	226.0	S09-C1
L	PTL232SDN-1	23.2	3850	13136	3.50	3300	290.5	ASHREA/T
	PTL253UDP-1	25.3	4260	14535	3.61	3300	290.5	ASHREA/T

直流变频 R410A T3 DC Inverter R410A T3

D	ATD150UKQ-6T	15.0	5920	20199	4.46	4000	261.0	S09-C1
L	ATL232UDP-T	23.2	6520	22247	3.20	3300	307.5	ASHREA/T

系列 Series	型号 Model	排气量 Displacement (cc/rev)	冷量 CoolingCapacity (W)	冷量 CoolingCapacity (Btu/h)	COP (W/W)	电容 Capacitor (μF/V)	压缩机高度 Height (mm)	测试工况 Testing Condition
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定速 T1 R22 Constant-speed T1 R22

[1φ]220-240V 50Hz

D	SD074CV	7.4	1210	4129	2.90	13/400	205.0	ASHRAE/T
	SD091CV	9.1	1490	5084	2.94	13/400	205.0	ASHRAE/T
	SD140UV	14.0	2385	8138	3.20	30/400	242.9	ASHRAE/T
	SD145UV	14.5	2480	8462	3.25	30/400	242.9	ASHRAE/T
	SD145XV	14.5	2490	8496	3.35	25/400	242.9	ASHRAE/T
	SD162XV	16.2	2775	9468	3.20	25/400	242.9	ASHRAE/T
G	SG162UV	16.2	2600	8871	3.15	25/450	256.0	ASHRAE/T
	SG167UV	16.7	2785	9502	3.03	30/450	256.0	ASHRAE/T
	SG170UV	17.0	2790	9519	3.26	30/450	256.0	ASHRAE/T
	SG184SV	18.4	3050	10407	3.11	35/450	256.0	ASHRAE/T
	SG210CV	21.0	3550	12113	2.95	45/450	261.0	ASHRAE/T
	SG210HV	21.0	3550	12113	3.25	30/450	261.0	ASHRAE/T
L	SL211UV	21.1	3570	12181	3.24	35/450	279.0	ASHRAE/T
	SL214UV-1	21.4	3600	12283	3.28	35/450	289.0	ASHRAE/T
	SL222UV	22.2	3740	12761	3.30	30/450	279.0	ASHRAE/T
	SL268UV	26.8	4565	15576	3.23	45/450	289.0	ASHRAE/T
H	SH300HV	30.0	5180	17674	3.35	45/450	307.8	ASHRAE/T
	SHY33M***S	30.7	5200	17742	3.25	50/400	307.8	ASHRAE/T
	SH310UV	31.0	5300	18084	3.31	50/450	307.8	ASHRAE/T
	SH336SV	33.6	5815	19841	3.02	55/450	293.4	ASHRAE/T
	SH356UV	35.6	6120	20881	3.32	65/450	307.8	ASHRAE/T
	SH401UV	40.1	7000	23884	3.28	60/450	330.9	ASHRAE/T
	SHV33Y***U	41.7	7100	24225	3.04	50/450	338.9	ASHRAE/T
TH	TH420UV-1	42.0	7320	24976	3.30	70/450	358.9	ASHRAE/T
	TH428UV	42.8	7570	25829	3.29	70/450	372.7	ASHRAE/T
	THK33P***U	46.0	8050	27467	3.08	60/450	372.7	ASHRAE/T
	THU33W***U	48.8	8350	28490	3.15	60/450	372.7	ASHRAE/T

定速 T1 R22 Constant-speed T1 R22

[1φ]220V 50Hz (低电压 Low Voltage)

G	SG148GV	14.5	2500	8530	3.10	30/450	256.0	ASHRAE/T
	SG162GV	16.2	2690	9178	3.09	30/450	256.0	ASHRAE/T
L	SL214GV	21.4	3670	12522	3.18	30/450	279.0	ASHRAE/T
	SH295GV	29.5	5155	17589	3.14	45/450	317.8	ASHRAE/T
H	SH295GV-1	29.5	5180	17674	3.12	50/450	307.8	ASHRAE/T
	SH370GV	37.0	6380	21769	3.05	60/450	330.9	ASHRAE/T
TH	TH410GV	41.0	7130	24328	2.96	70/450	372.7	ASHRAE/T
	SH417GV	41.7	7270	24805	2.97	70/450	330.9	ASHRAE/T

系列 Series	型号 Model	排气量 Displacement (cc/rev)	冷量 CoolingCapacity (W)	冷量 CoolingCapacity (Btu/h)	COP (W/W)	电容 Capacitor (μF/V)	压缩机高度 Height (mm)	测试工况 Testing Condition
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定速 T1 R22 Constant-speed T1 R22

[1φ]115-120V 60Hz

G	SG173RW	17.3	3515	11993	3.18	65/250	256.0/263.3	ASHRAE/T
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定速 T1 R22 Constant-speed T1 R22

[1φ]208-230V 60Hz

D	SD122SN	12.2	2490	8496	3.05	17/400	240.6	ASHRAE/T
G	SG173SN	17.3	3465	11823	3.12	30/420	256.0/263.3	ASHRAE/T
	SG173UN	17.3	3495	11925	3.16	30/450	256.0	ASHRAE/T
L	SL248SN-1	24.8	5050	17231	3.30	45/450	289.0	ASHRAE/T
	SL253SN	25.3	5230	17845	3.10	50/450	279.0	ASHRAE/T
H	SHY73M***U	30.7	6550	22349	3.16	45/400	293.4/302.8	ASHRAE/T
	SHW73T***U	35.6	7305	24925	3.01	50/400	293.4/302.8	ASHRAE/T
TH	SHV73Y***U	41.7	8520	29070	3.00	50/450	338.9	ASHRAE/T
	SH336SN	33.6	7000	23884	3.31	60/450	317.8	ASHRAE/T
TH	THK73X***U	45.4	9300	31732	3.05	50/450	338.9	ASHRAE/T

定速 T1 R22 Constant-speed T1 R22

[3φ]380V 50Hz

H	SH336SC	33.6	5740	19585	3.09	-	293.4	ASHRAE/T
TH	TH420RC	42.0	7250	24737	3.30	-	339.7	ASHRAE/T



系列 Series	型号 Model	排气量 Displacement (cc/rev)	冷量 CoolingCapacity (W)	冷量 CoolingCapacity (Btu/h)	COP (W/W)	电容 Capacitor (μF/V)	压缩机高度 Height (mm)	测试工况 Testing Condition
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定速 T1 R410A Constant-speed T1 R410A

[1φ]220-240V 50Hz

D	ASD042SV	4.2	940	3207	2.65	8/450	217.8	ASHRAE/T
	ASD063SV	6.3	1460	4982	2.72	17/400	238.8	ASHRAE/T
	ASD089SV	8.9	2112	7206	2.85	25/400	248.8	ASHRAE/T
	ASD096TV	9.6	2315	7899	2.83	30/400	248.8	ASHRAE/T
	ASD102XV	10.2	2440	8325	3.00	25/400	248.8	ASHRAE/T
G	ASG102UV	10.2	2450	8359	3.02	30/450	261.0	ASHRAE/T
	ASG108TV	10.8	2510	8564	2.90	25/450	261.0	ASHRAE/T
	ASG125UV	12.5	2930	9997	2.93	30/450	261.0	ASHRAE/T
	ASG135TV	13.5	3250	11089	3.03	30/450	261.0	ASHRAE/T
L	ASL133TV	13.3	3200	10918	3.00	30/450	273.6	ASHRAE/T
	ASL140TV	14.0	3370	11498	3.00	30/450	273.6	ASHRAE/T
	ASL150UV-1	15.0	3555	12130	3.00	35/450	289.0	ASHRAE/T
	ASL160UV	16.0	3780	12897	3.00	35/450	289.0	ASHRAE/T
	ASL180UY	18.0	4350	14842	3.03	35/450	304.0	ASHRAE/T
	ASL190UY	19.0	4590	15661	3.00	45/450	304.0	ASHRAE/T
	ASL211SV-1	21.1	5085	17350	2.90	50/450	289.0	ASHRAE/T
H	ASH184TV-1	18.4	4520	15422	3.10	40/450	301.1	ASHRAE/T
	ASH232SV	23.2	5510	18800	2.90	60/400	298.5	ASHRAE/T
	ASH244UV-1	24.4	5800	19790	3.02	50/450	315.5	ASHRAE/T
	ASH264SV	26.4	6300	21496	2.85	50/450	298.5	ASHRAE/T
	ASH280TV	28.0	6830	23304	3.00	70/450	312.9	ASHRAE/T
TH	ATH290TV	29.0	7130	24328	2.98	45/450	364.0	ASHRAE/T
	ATH290CV	29.0	7125	24311	2.88	60/450	358.0	ASHRAE/T
	ATH307RV	30.7	7330	25010	2.90	50/450	358.0	ASHRAE/T
	ATH325CV	32.5	7780	26545	2.87	60/450	358.0	ASHRAE/T
	ATH356CV	35.6	8440	28797	2.85	65/450	358.0	ASHRAE/T
	ATH420SV	41.8	10100	34461	2.95	90/450	375.8	ASHRAE/T

定速 T1 R410A Constant-speed T1 R410A

[1φ]115-120V 60Hz

D	ASD080HW	8.0	2300	7848	3.00	55/250	243.8	ASHRAE/T
	ASD082UW	8.2	2355	8035	2.90	50/250	243.8	ASHRAE/T
	ASD100HW	10.0	2900	9895	3.00	60/250	248.8	ASHRAE/T
G	ASD102XW	10.2	2960	10100	3.05	65/250	248.8	ASHRAE/T
	ASG125UW	12.5	3575	12198	2.93	65/300	261.0	ASHRAE/T

系列 Series	型号 Model	排气量 Displacement (cc/rev)	冷量 CoolingCapacity (W)	冷量 CoolingCapacity (Btu/h)	COP (W/W)	电容 Capacitor (μF/V)	压缩机高度 Height (mm)	测试工况 Testing Condition
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定速 T1 R410A Constant-speed T1 R410A

[1φ]208-230V 60Hz

D	ASD084SN	8.4	2470	8428	2.85	20/400	248.8	ASHRAE/T
	ASD102XN	10.2	2990	10202	2.99	20/450	251.0	ASHRAE/T
	ASD113XN	11.3	3300	11260	3.00	20/450	251.0	ASHRAE/T
G	ASG112UN	11.2	3305	11277	3.05	30/450	261.0	ASHRAE/T
	ASG130UN	13.0	3850	13136	2.99	35/450	261.0	ASHRAE/T
	ASG145RN	14.5	4260	14535	2.93	50/450	261.0	ASHRAE/T
L	ASL150DG-3	15.0	4390	14979	3.06	40/450	304.0	ASHRAE/T
	ASL157DG-4	15.7	4570	15593	3.06	35/450	304.0	ASHRAE/T
	ASL170DG-1	17.0	5005	17077	3.06	35/450	304.0	ASHRAE/T
	ASL175DG-2	17.5	5125	17487	3.12	35/450	304.0	ASHRAE/T
	ASL180DG-2	18.0	5350	18254	3.08	35/450	304.0	ASHRAE/T
	ASL193DG-1	19.3	5665	19329	3.07	40/450	304.0	ASHRAE/T
	ASL211SN-1	21.1	6220	21223	2.95	35/450	314.0	ASHRAE/T
H	ASH201DG	20.1	5950	20301	3.03	45/450	296.1	ASHRAE/T
	ASH201DG-1	20.1	5970	20370	3.06	40/450	315.5	ASHRAE/T
	ASH215DG	21.5	6410	21871	3.08	50/450	301.1	ASHRAE/T
	ASH222UN	22.2	6550	22349	3.08	55/450	315.5	ASHRAE/T
	ASH232DG	23.2	6870	23440	3.10	55/450	325.5	ASHRAE/T
	ASH232SN-1	23.2	6720	22929	2.90	60/450	298.5	ASHRAE/T
	ASH250DG	25.0	7410	25283	3.06	60/450	315.5	ASHRAE/T
TH	ASH264DG	26.4	7830	26716	3.05	70/450	325.5	ASHRAE/T
	ASH280DG	28.0	8210	28013	3.05	70/450	325.5	ASHRAE/T

定速 T1 R410A Constant-speed T1 R410A

[3φ]380V 50Hz

H	ASH286UC	28.6	6830	23304	3.05	--	315.5	ASHRAE/T
	ATH280TC	28.0	6750	23031	2.92	-	351.4	ASHRAE/T
TH	ATH307UC3	30.7	7490	25556	3.08	-	375.8	ASHRAE/T
	ATH356UC	35.6	8680	29616	3.08	--	375.8	ASHRAE/T
TH	ATH420UC	42.0	10150	34632	3.03	--	375	

系列 Series	型号 Model	排气量 (cc/rev)	冷量 CoolingCapacity (W)	冷量 CoolingCapacity (Btu/h)	COP (W/W)	电容 Capacitor (μF/V)	压缩机高度 Height (mm)	测试工况 Testing Condition
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定速 T3 R22 Constant-speed T3 R22

[1φ]220-240V 50Hz

L	SL203MV	20.3	3475	11857	3.22	35/450	279.0	ASHRAE/T
	SL232MV	23.2	3890	13273	3.05	45/450	264.0	ASHRAE/T
	SL310MV	31.0	5270	17981	3.14	40/450	313.0	ASHRAE/T
H	SH307MV-1	30.7	5250	17913	3.20	45/420	293.4	ASHRAE/T
	SH315MV	31.5	5470	18664	3.31	55/450	307.8	ASHRAE/T
	SH356MV-1	35.6	6120	20881	3.16	50/450	307.8	ASHRAE/T
	SH410MV	41.0	7170	24464	3.28	60/450	330.9	ASHRAE/T
	SH417MV	41.7	7040	24020	3.01	60/450	338.9	ASHRAE/T
TH	TH410MV	41.8	7150	24396	3.15	60/450	358.9	ASHRAE/T
	TH470MV	47.0	8100	27637	3.15	70/450	380.7	ASHRAE/T
	TH508MV-1	50.8	8660	29548	3.00	90/450	358.9	ASHRAE/T
	TH532MV	53.2	9150	31220	3.12	90/450	358.9	ASHRAE/T
	TH550MV	55.0	9600	32755	3.08	90/450	395.6	ASHRAE/T

定速 T3 R22 Constant-speed T3 R22

[1φ]230V 60Hz

H	SH255DG-2	25.5	5480	18698	3.35	35/450	293.4	ASHRAE/T
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定速 T3 R410A Constant-speed T3 R410A

[1φ]220-240V 50Hz

G	ASG108MV	10.8	2555	8718	2.85	30/450	261.0	ASHRAE/T
L	ASL133MV	13.3	3175	10833	2.96	30/450	273.6	ASHRAE/T
	ASL140MV	14.0	3360	11464	2.96	30/450	273.6	ASHRAE/T
	ASL185MV	18.5	4450	15183	3.00	45/450	304.0	ASHRAE/T
H	ASH210MV	21.0	5200	17742	3.06	55/450	301.1	ASHRAE/T
	ASH232MV	23.2	5650	19278	3.00	50/450	301.1	ASHRAE/T
	ASH244MV	24.4	5990	20438	3.00	50/450	315.5	ASHRAE/T
	ASH264MV	26.4	6485	22127	2.98	45/450	325.5	ASHRAE/T
TH	ATH290MV	29.0	7010	23918	3.03	70/450	375.8	ASHRAE/T

定速 T3 R410A Constant-speed T3 R410A

[3φ]380V 50Hz

H	ASH286UC	28.6	6830	23304	3.05	-	315.5	ASHRAE/T
TH	ATH280TC	28.0	6750	23031	2.92	-	351.4	ASHRAE/T
	ATH307UC3	30.7	7490	25556	3.08	-	375.8	ASHRAE/T
	ATH356UC	35.6	8680	29616	3.08	-	375.8	ASHRAE/T
	ATH420UC	42.0	10150	34632	3.03	-	375.8	ASHRAE/T

系列 Series	型号 Model	排气量 Displacement (cc/rev)	冷量 CoolingCapacity (W)	冷量 CoolingCapacity (Btu/h)	COP (W/W)	电容 Capacitor (μF/V)	压缩机高度 Height (mm)	测试工况 Testing Condition
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定速 T3 R410A Constant-speed T3 R410A

[1φ]230V 60Hz

L	ASL150DG-3	15.0	4390	14979	3.06	40/450	304.0	ASHRAE/T
H	ASL157DG-4	15.7	4570	15593	3.06	35/450	304.0	ASHRAE/T
	ASL170DG-1	17.0	5005	17077	3.06	35/450	304.0	ASHRAE/T
	ASL175DG-2	17.5	5125	17487	3.12	35/450	304.0	ASHRAE/T
	ASL180DG-2	18.0	5350	18254	3.08	35/450	304.0	ASHRAE/T
	ASL193DG-1	19.3	5665	19329	3.07	40/450	304.0	ASHRAE/T
H	ASH201DG	20.1	5950	20301	3.03	45/450	296.1	ASHRAE/T
H	ASH201DG-1	20.1	5970	20370	3.06	40/450	315.5	ASHRAE/T
	ASH215DG	21.5	6410	21871	3.08	50/450	301.1	ASHRAE/T
	ASH232DG	23.2	6870	23440	3.10	55/450	325.5	ASHRAE/T
	ASH250DG	25.0	7410	25283	3.06	60/450	315.5	ASHRAE/T
	ASH264DG	26.4	7830	26716	3.05	70/450	325.5	ASHRAE/T
	ASH280DG	28.0	8210	28013	3.05	70/450	325.5	ASHRAE/T

