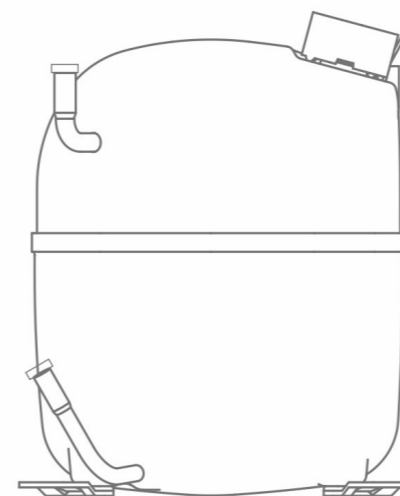




黄石东贝压缩机有限公司
Huangshi Donper Compressor Co.,Ltd.



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电商网址/E-commerce: http://dongbei.tmall.com/



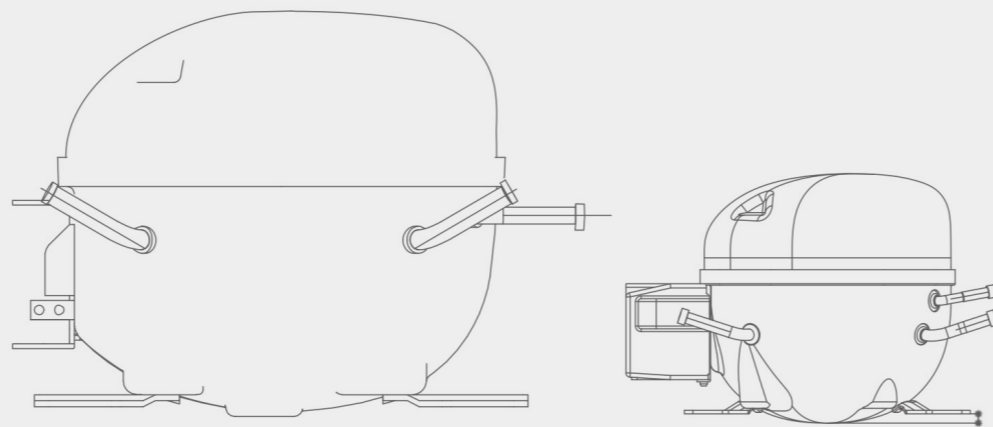
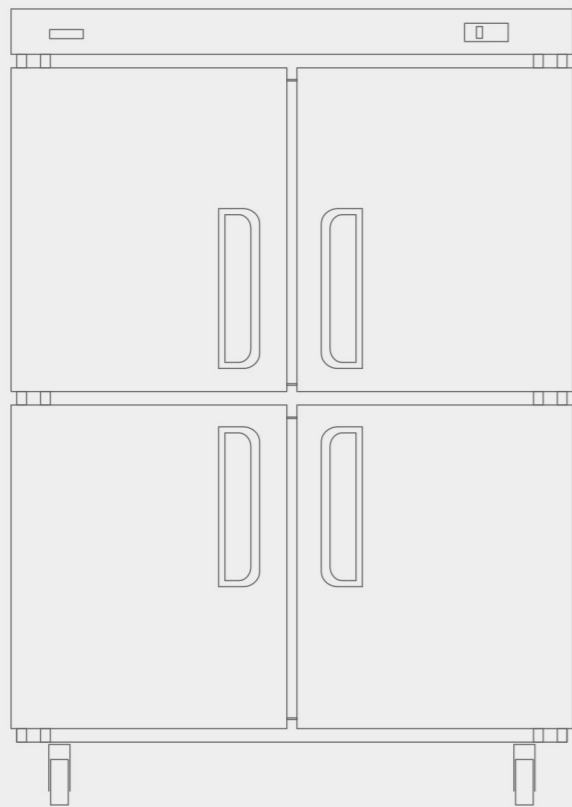
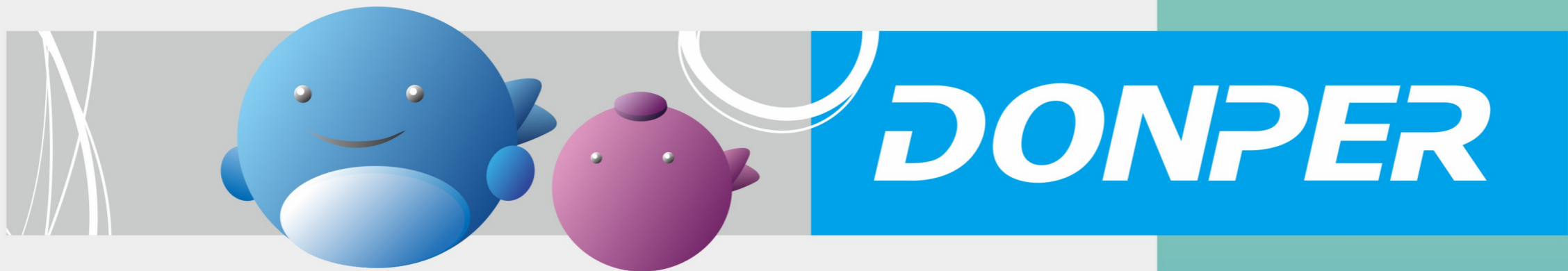
2021

COMMERCIAL
COMPRESSOR
CATALOGUE

商用产品目录

此技术参数仅供参考, 产品持续改进会导致参数有所变动恕不另行通知

The technical parameters in this catalogue are only for reference. Specifications are subjected to change without notice.



关于东贝
About Donper

大事记
Company Events

产品介绍
Our Products

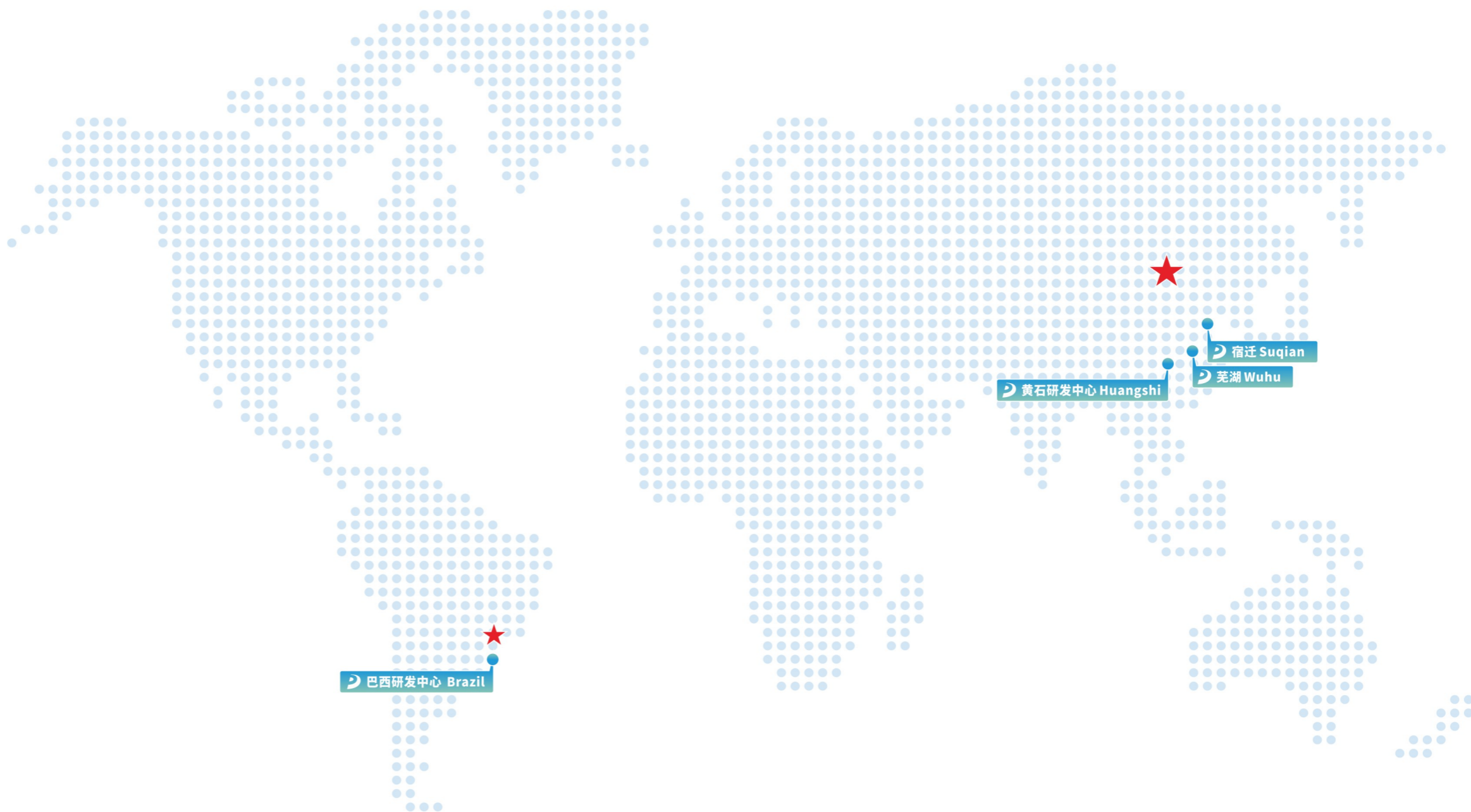
命名规则
Nomenclature

技术参数
Technical Information

DONPER

R & D CENTER

研发中心



巴西研发中心 Brazil R&D Center



黄石研发中心 Huang shi R&D Center
黄石工厂 Huang shi Plant



芜湖工厂 Wuhu Plant



宿迁工厂 Suqian Plant

公司简介

COMPANY PROFILE

黄石东贝压缩机有限公司是一家专业研发、生产、销售制冷压缩机的高新技术企业，东贝集团A股上市的子公司。

公司长期致力于低碳、高效、节能、环保制冷压缩机的研究，以科技创新为发展核心战略，构建了完善的创新体系。在中国黄石、巴西若因维利分别建有研发中心。公司拥有国家地方联合工程研究中心、国家认定企业技术中心、院士专家工作站、博士后科研工作站等八大创新平台，研发的多项先进技术领跑同行。先后被认定为“国家技术创新示范企业”、“国家知识产权示范企业”，自主研发的高效节能节材型压缩机荣获国家科学技术进步奖。

公司先后从德国、瑞士、日本、意大利引进了国际先进水平的生产设备和生产线，能生产12大系列200余个品种压缩机。产品主要采用R600a、R290、R134a、R404A、R1234yf等制冷剂，具有型号多、规格全、冷量范围宽、功率跨度大的特点，年生产能力达4500万台。

公司拥有德国VDE和中国CNAS认可的实验室，产品通过了3C、VDE、TUV、UL、CE、KC、Inmetro等认证，远销亚洲、欧洲、美洲等60多个国家和地区；是海尔、海信、美的、惠而浦、B/S/H/、三星、夏普、松下等国内外知名品牌的战略供应商，单一品牌产销量连续16年全国第一，连续4年全球领先。

公司先后荣获“联合国GEF激励计划大奖”、“中国制造业单项冠军产品”、“全国质量工作先进单位”、“出入境检验检疫信用管理AA级企业”、“全国实施卓越绩效模式先进企业特别奖”、“全国守合同重信用单位”、“湖北省长江质量奖”等荣誉。

Huangshi Donper Compressor Co., Ltd is an A-share Listed Company, a high-tech enterprise specializing in R&D, production and sales of refrigeration compressors.

The company has been committed to the research of low-carbon, high-efficiency, energy-saving and environmental protection refrigeration compressor for a long time, taking technical innovation as the development core strategy and built a perfect innovation system. We have established R & D centers in Huangshi, China, and Joinville, Brazil, respectively. The company has eight innovation platforms, including national local joint engineering research center, national recognized enterprise technology center, academician expert workstation, post doctoral research station, etc., and a number of advanced technologies lead the industry. It has been recognized as "national technological innovation demonstration enterprise" and "national intellectual property rights demonstration enterprise". The independent research and development of high-efficiency, energy-saving, and material-saving compressor, which has won the national science and technology progress award.

The company has successively imported international advanced production equipments and production lines from Germany, Switzerland, Japan and Italy, which can produce more than 200 varieties of 12 series compressors. The products mainly use R600a, R290, R134a, R404A, R1234yf and other refrigerants, with multiple models, complete specifications, wide range of cooling capacity and large power span, with an annual production capacity of 45 million pcs.

The company has laboratories accredited by VDE in Germany and CNAS in China. The products have passed the certification of 3C, VDE, TUV, UL, CE, KC, Inmetro, etc., and exported to more than 60 countries and regions in Asia, Europe and America. It is the strategic supplier of Haier, Hisense, Midea, whirlpool, B/S/H/, SAMSUNG, Sharp, Panasonic and other well-known brands in domestic and abroad. The production and sales volume of a single brand have ranked first in China for 16 consecutive years and global leaders for 4 consecutive years.

The company has successively won the "United Nations GEF incentive plan Award", "China's manufacturing industry single champion product", "national advanced quality unit", "entry exit inspection and quarantine credit management AA level enterprise", "national advanced enterprise special award for implementing excellent performance model", "national contract abiding and trustworthy unit" and "Hubei Yangtze River Quality Award".



东贝——获得国家科技进步奖的压缩机企业

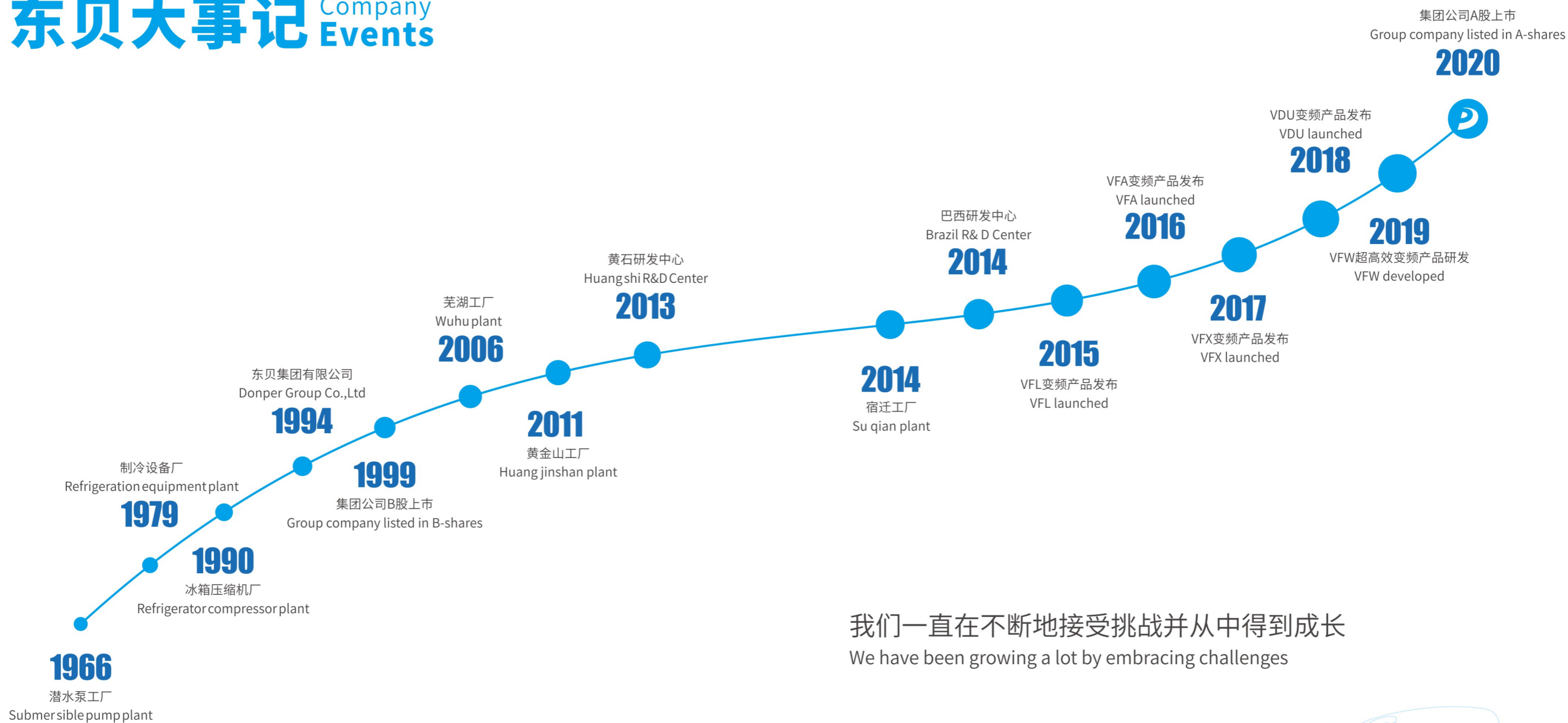
Donper compressor company win the National Prize for Progress in Scientific & Technology Award



世界一流生产车间

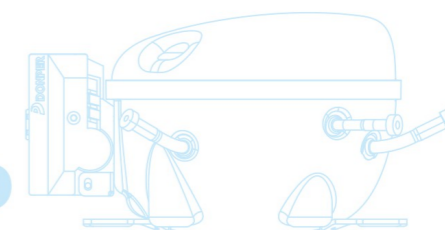
World-class Production Workshop

东贝大事记 Company Events



我们一直在不断地接受挑战并从中得到成长
We have been growing a lot by embracing challenges

DONPER GROUP



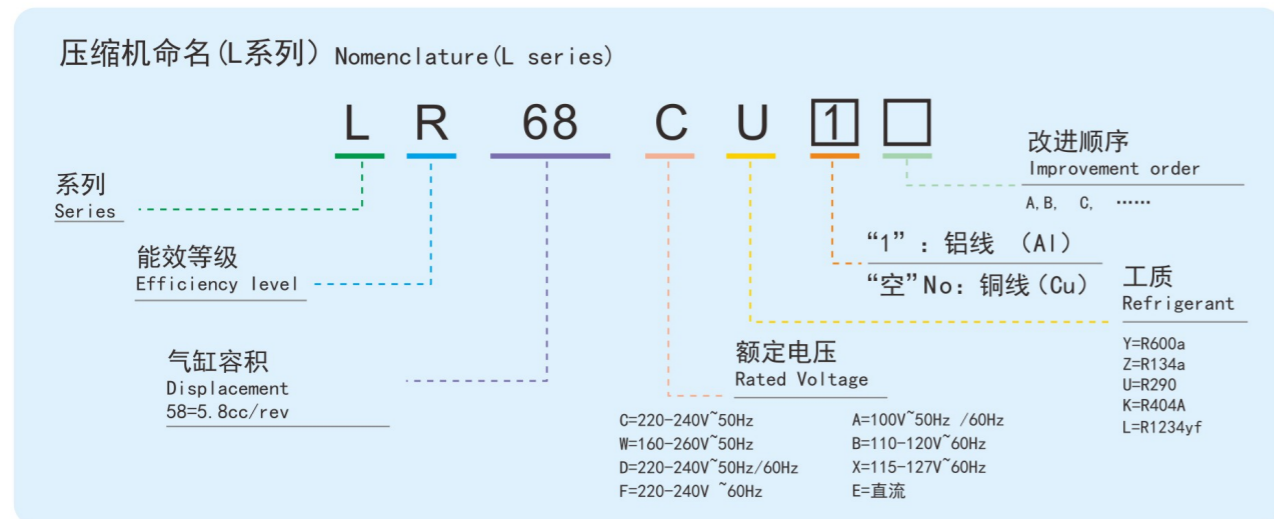
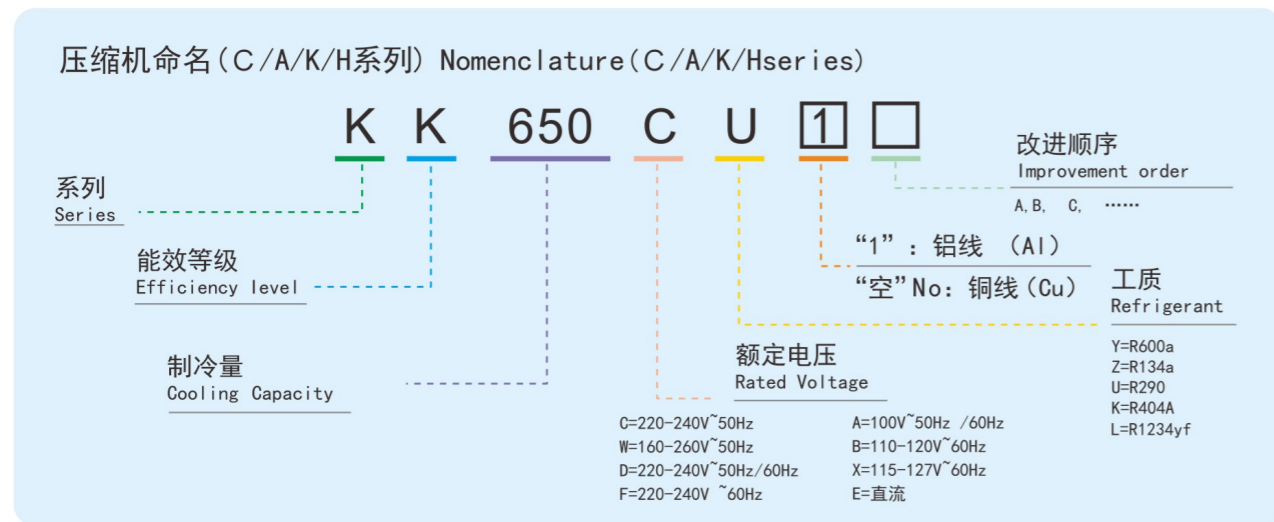
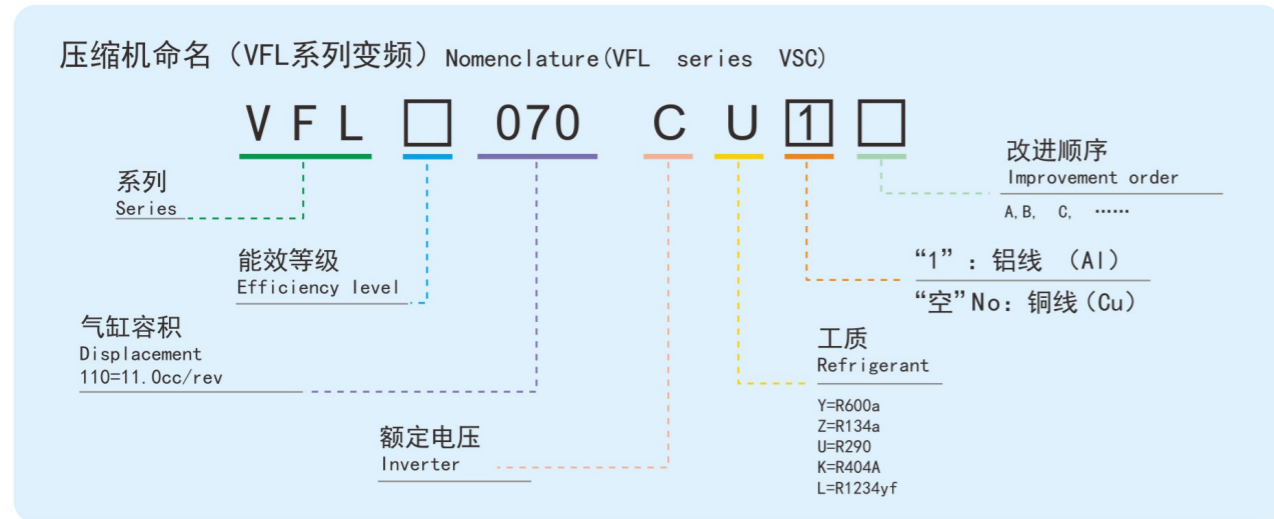
压缩机类型 Compressor Ranges

系列 SERIES	压缩机 COMPRESSOR	压缩机说明 COMPRESSOR DESCRIPTION
VSC		R600a, R290 30-260W, 120-320W VFL/VFX: 187×150×135mm (L×W×H) VFA: 177×142×120mm (L×W×H) VD: 165×142×114mm (L×W×H) 冷柜, 冰箱 CHEST FREEZER, REFRIGERATOR.
VC		R134a 20-40W (L/MBP) 137×103×93mm (L×W×H) 车载冰箱 CAR REFRIGERATOR
C		R600a, R134a 50-100W (LBP) 137×117×145mm (L×W×H) 饮水机, 小冷柜 WATER COOLER, SMALL CHEST FREEZER, ETC
S		R600a, R134a, R290 100-200W (LBP) 400-700W (HBP) 177×148×169mm (L×W×H) 冷柜, 冰箱, 除湿机 CHEST FREEZER, REFRIGERATOR, DEHUMIDIFIER.
L		R600a, R134a, R290 200-450W (LBP) 600-1000W (HBP) 184×155×178mm (L×W×H) 冰箱, 冷柜, 展示柜, 厨房冰箱, 除湿机 REFRIGERATOR, CHEST FREEZER, SHOW CASE, COMMERCIAL REFRIGERATOR, DEHUMIDIFIER, ETC.

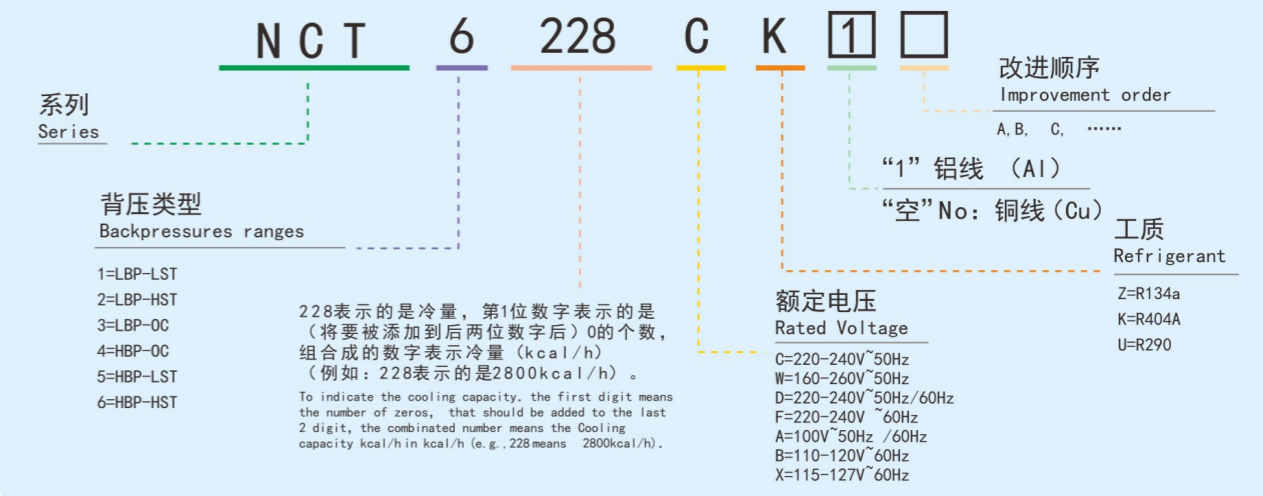
系列 SERIES	压缩机 COMPRESSOR	压缩机说明 COMPRESSOR DESCRIPTION
K		R600a, R134a, R290 230-650W (LBP) 1000-1400W (HBP) 198×165×199mm (L×W×H) 冷柜, 展示柜, 厨房冰箱, 医疗柜, 制冰机, 除湿机 CHEST FREEZER, SHOW CASE, COMMERCIAL REFRIGERATOR, MEDICAL FREEZER, ICE MAKER, DEHUMIDIFIER, ETC.
VK		R290 440-900W (LBP) 1100-2300 (MBP) 210×174×191mm (L×W×H) 展示柜, 厨房冰箱, 制冰机, 冰激凌机等 DISPLAY CABINET, PROFESSIONAL KITCHEN REFRIGERATOR, ICE MAKER, ICE CREAM MACHINE, ETC.)
NE		R134a, R290, R404A 450-900W (LBP) 800-2000W (HBP) 201×165×208mm (L×W×H) 冷柜, 展示柜, 厨房冰箱, 医疗柜, 制冰机, 啤酒柜, 冰激凌机 CHEST FREEZER, SHOW CASE, COMMERCIAL REFRIGERATOR, MEDICAL FREEZER, ICE MAKER, DRAFT BEER DISPENSER, ICE CREAM MACHINE, ETC.
NV		R404A, R290 224×171×239mm (L×W×H) 700-1200W (LBP) 展示柜, 厨房冰箱, 制冰机, 冰激凌机等 DISPLAY CABINET, PROFESSIONAL KITCHEN REFRIGERATOR, ICE MAKER, ICE CREAM MACHINE, ETC.)
NCT		R134a, R404A 950-1500W (LBP) 3320-4800W (HBP) 232×178×271mm (L×W×H) 冷柜展示柜, 厨房冰箱, 医疗柜, 制冰机, 啤酒柜, 冰激凌机 CHEST FREEZER, SHOW CASE, COMMERCIAL REFRIGERATOR, MEDICAL FREEZER, ICE MAKER, DRAFT BEER DISPENSER, ICE CREAM MACHINE, ETC.

东贝压缩机型号命名说明

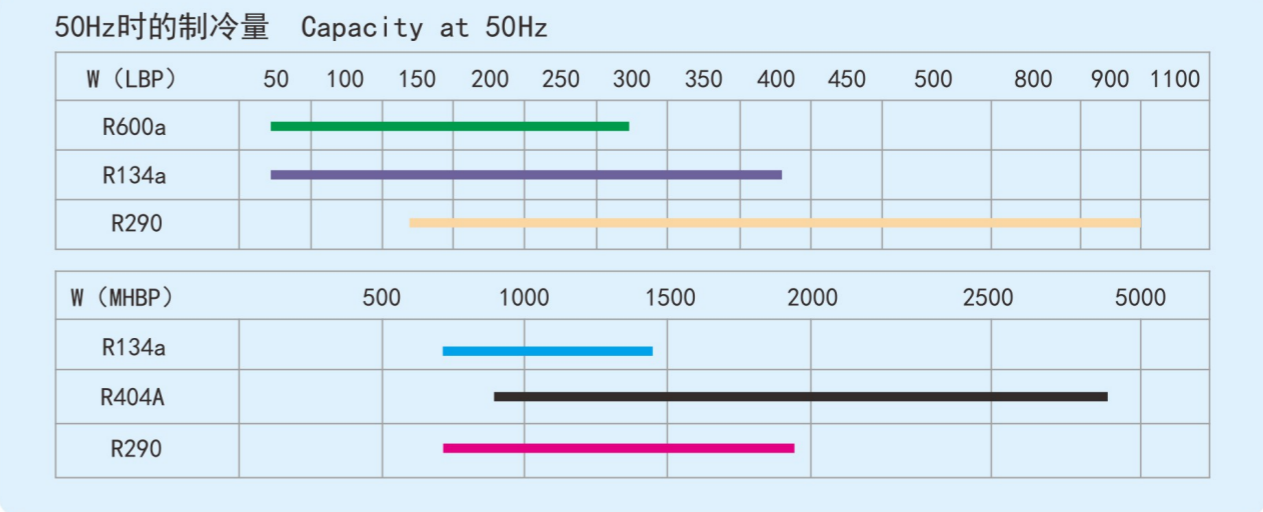
Donper Compressor models identification and designation



压缩机命名 (NE, NCT系列) Nomenclature (NE, NCT series)

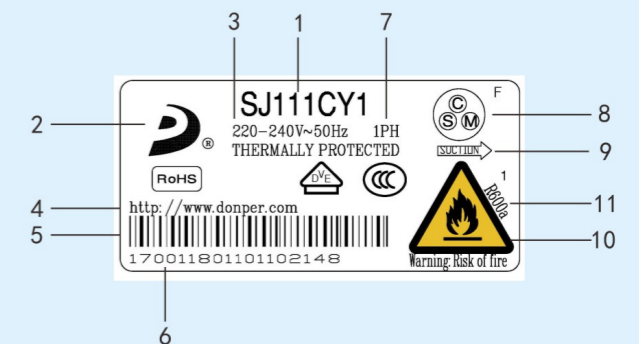


制冷量范围 Capacity Range



压缩机铭牌说明 Compressor nameplate identification

- 1、压缩机型号 Compressor model
- 2、东贝注册商标 Donper's Logo
- 3、电压范围和频率 Rated Voltage and frequency
- 4、公司网址 Donper Website
- 5、压缩机条形码 Compressor bar code
- 6、数字码 Number code
- 7、单相电源 Single phase
- 8、接线标志 Power supply connection mark
- 9、吸气标识 Suction mark
- 10、防火标志 Flammable mark
- 11、制冷剂 Refrigerant



技术参数 Technical Information

测试工况 TEST CONDITION

测试工况 TEST CONDITION	低背压 LBP			中/高背压 H/MBP
	ASHRAE	AHAM	CECOMAF	ASHRAE
蒸发温度 Evap. Temp. °C	-23.3	-23.3	-25.0	+7.2
环境温度 Amb. Temp. °C	+32.2	+32.2	+32.0	+35.0
冷凝温度 Cond. Temp. °C	+54.4	+40.5	+55.0	+54.4
吸气温度 Suction Temp. °C	+32.2	+32.2	+32.0	+35.0
过冷温度 Subcooling Temp. °C	+32.2	+32.2	+55.0	+46.1

应用工况 Application	蒸发温度 Evaporating temperature	举例 Example
LBP	-35°C~-15°C	冰箱、冷柜 Refrigerators, Freezers
MBP	-20°C~0°C	酒柜、食品保鲜柜 Drinking Fountains, Food Preservation Machine
HBP	-5°C~+15°C	热水器、除湿机 Water Heater, Dehumidifiers

冷却方式 COOLING

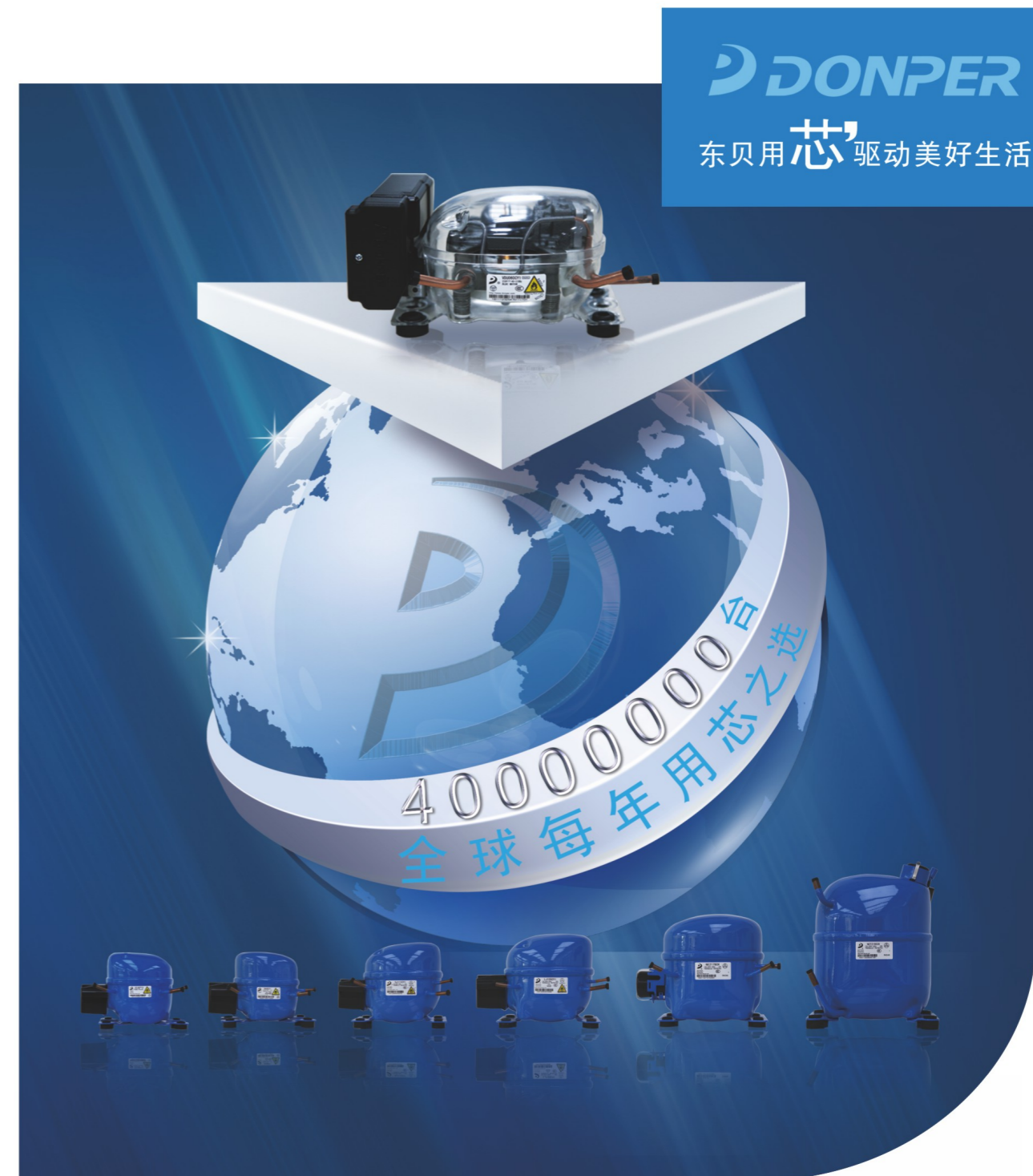
ST	自然冷却	Static cooling
OC	油冷	Oil cooling
F	风冷	Fan cooling

电机类型 ELECTRICAL MOTOR TYPES

RSIR	电阻启动-电感运行 Resistive Start-Inductive Run
RSCR	电阻启动-电容运行 Resistive Start-Capacitive Run
CSIR	电容启动-电感运行 Capacitive Start-Inductive Run
CSR	电容启动-电容运行 Capacitive Start-Capacitive Run

电机启动扭矩 MOTOR TORQUE

LST	低启动扭矩：适用于毛细管节流系统平衡压力启动。Low starting torque: Appropriate for systems with a capillary tube expansion type device and equalized pressures on start up.
HST	高启动扭矩：适用于热力膨胀阀或毛细管节流膨胀系统。High starting torque: Appropriate for systems with expansion valve or capillary tube expansion type device with disequalized pressures on start up.



智能保鲜 高效低噪 以变制定 动力强劲

冰箱冷柜压缩机

用心来研发 技术来引领

商用制冷类型 TYPE OF COMMERCIAL REFRIGERATION



冷藏饮料柜
Refrigerated beverage cabinet



食品冷链
Food cold-chain



食品零售
Food retail



冰激凌冷柜
Ice cream freezer



特殊应用
Special applications



直流及移动冷链
DC and mobile cold-chain

制冷系统应用 APPLICATION IN REFRIGERATION

**卧式冷柜
FREEZER / HORIZONTAL COOLERS**

系统	卧式冷柜
蒸发温度: Evaporating Temp	-30°C
箱内温度: Cabinet Temperature	-18°C
环境温度: Ambient Temp	32°C
相对湿度: Relative Humidity	40-70%
应用类型: Application	LBP / LST

**立式饮料柜
VERTICAL DISPLAY FOR BEVERAGES**

系统	立式饮料柜
蒸发温度: Evaporating Temp	-10°C
箱内温度: Cabinet Temperature	5°C
环境温度: Ambient Temp	40.5°C
相对湿度: Relative Humidity	40-75%
应用类型: Application	MBP / LST

**立式啤酒柜
VERTICAL DISPLAY FOR BEER**

系统	立式啤酒柜
蒸发温度: Evaporating Temp	-15°C
箱内温度: Cabinet Temperature	-4°C
环境温度: Ambient Temp	32°C
相对湿度: Relative Humidity	40-75%
应用类型: Application	L / MBP / LST

制冷系统应用 APPLICATION IN REFRIGERATION

玻璃门立式冷柜(冰激凌展示柜)

VERTICAL COOLER WITH GLASS DOOR(ICE CREAMS)

系统	玻璃门立式冷柜
蒸发温度:Evaporating Temp	-30°C
箱内温度:Cabinet Temperature	-18°C
环境温度:Ambient Temp	35°C
相对湿度:Relative Humidity	40-70%
应用类型:Application	LBP / HST

开/卧式制冷展示柜

OPEN AND HORIZONTAL REFRIGERATOR FOR BEVERAGES

系统	开/卧式制冷展示柜
蒸发温度:Evaporating Temp	-10°C
箱内温度:Cabinet Temperature	-5°C
环境温度:Ambient Temp	25°C
相对湿度:Relative Humidity	40-75%
应用类型:Application	MBP / LST

开架销售冷柜

SELF SERVICE

系统	开架销售冷柜
蒸发温度:Evaporating Temp	-10 to -5°C
箱内温度:Cabinet Temperature	0 to 10°C
环境温度:Ambient Temp	32°C
相对湿度:Relative Humidity	40-75%
应用类型:Application	MBP / LST

岛柜

ISLAND COOLERS

系统	岛柜
蒸发温度:Evaporating Temp	-30°C
箱内温度:Cabinet Temperature	-20 to -15°C
环境温度:Ambient Temp	32°C
相对湿度:Relative Humidity	40-70%
应用类型:Application	LBP / LST

蛋糕展示柜

BAKERY DISPLAY

系统	蛋糕展示柜
蒸发温度:Evaporating Temp	-10 to -5-C
箱内温度:Cabinet Temperature	5 to 12-C
环境温度:Ambient Temp	32-C
相对湿度:Relative Humidity	40-70%
应用类型:Application	MBP / LST

肉类展示柜

MEAT DISPLAY

系统	肉类展示柜
蒸发温度:Evaporating Temp	-10-C
箱内温度:Cabinet Temperature	0 to 7-C
环境温度:Ambient Temp	32-C
相对湿度:Relative Humidity	40-70%
应用类型:Application	M / MBP / LST

制冷系统应用 APPLICATION IN REFRIGERATION

**立式冷冻柜
Vertical freezer COMMERCIAL LINE**

系统	立式冷冻柜
蒸发温度:Evaporating Temp	-30°C
箱内温度:Cabinet Temperature	-18°C
环境温度:Ambient Temp	35°C
相对湿度:Relative Humidity	40-70%
应用类型:Application	LBP / LST

**饮水机
Drinking Fountains**

系统	饮水机
蒸发温度:Evaporating Temp	-10 a -5-C
箱内温度:Cabinet Temperature	-10-C
环境温度:Ambient Temp	32-C
相对湿度:Relative Humidity	40-70%
应用类型:Application	M / HBP / LST

**酒柜
Wine coolers**

系统	酒柜
蒸发温度:Evaporating Temp	-5-C
箱内温度:Cabinet Temperature	-5 to 15-C
环境温度:Ambient Temp	25-C
相对湿度:Relative Humidity	40-70%
应用类型:Application	M / HBP / LST

**制冰机
Icemaker**

系统	制冰机
蒸发温度:Evaporating Temp	-10-C
箱内温度:Cabinet Temperature	0-C
环境温度:Ambient Temp	32-C
相对湿度:Relative Humidity	40-70%
应用类型:Application	MBP / HST

**自动贩售机
VENDING MACHINE**

系统	自动贩售机
蒸发温度:Evaporating Temp	-10-C
箱内温度:Cabinet Temperature	5-C
环境温度:Ambient Temp	40.5-C
相对湿度:Relative Humidity	40-70%
应用类型:Application	MBP / LST



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Compressor performance parameter

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变频系列 VSC Series

Table with columns for Model, Displacement, Cooling Type, Motor Type, Rotating Speed, ASHRAE/CECOMAF Cooling Capacity, COP, Certification, Motor, and Height. Sub-sections include R290, R134a, and R600a.

定频系列 on/off Series

Table with columns for Series, Model, Displacement, Cooling Type, Motor Type, Conditions, Cooling Capacity, COP, Certification, Motor, and Height. Includes sub-sections for 220-240V, 160-260V, and 115-127V.

测试工况 TEST CONDITION

Table mapping Test Condition (Evap. Temp, Amb. Temp, Cond. Temp, Suction Temp, Subcooling Temp) to Low Back Pressure and Medium/High Back Pressure standards.

单位换算 CONVERSION TABLE
1 kcal/h=1.163W
1 kcal/h=3.968 Btu/h
1 W=0.8598 kcal/h
1 W=3.412 Btu/h
1 Btu/h=0.252 kcal/h
Capacity (at50Hz) X 1.16=Capacity (at60Hz)
EER=COP X 3.412

注: *表示开发中产品 NOTE: * Developing
EPTC: 零功耗启动 EPTC: zero power electronic starter
CURRENT: 电流式启动 CURRENT: current starting relay
POTENTIAL: 电压式启动 POTENTIAL: potential starting relay

定频系列 on/off Series

系列 Series	型号 Model	马力 Horse Power	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	标况 -23.3°C/54.4°C		制冷量 (ASHRAE) Cooling Capacity											运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	电机 Motor	壳体高度 Height "A"
								蒸发温度 (°C) Evaporating Temperature															
								-35	-30	-25	-20	-15	-10	-5	0	5	7.2	10					
								W	W	W	W	W	W	W	W	W	W	W					
220-240V~50Hz R290 L/MBP																							
S	S43CU1	1/4-	4.3	ST	RSIR	200	1.30	110	148	188	235	290	353	423	513						CCC/VDE	Al	168
S	SK43CU	1/4-	4.3	ST	RSCR	200	1.50	110	148	188	235	290	353	423	513			5			CCC/VDE	Cu	168
S	S50CU1	1/4+	5.0	ST	RSIR	220	1.30	123	165	210	262	324	394	472	573						CCC	Al	168
S	SU50CU1	1/4+	5.0	F	RSCR	220	1.55	123	165	210	262	324	394	472	573			5			CCC/VDE	Al	171
S	SZ50CU1	1/4+	5.0	F	RSCR	220	1.70	123	165	210	262	324	394	472	573			5			CCC/VDE	Al	176
L	L45CU1	1/3-	4.5	F	RSIR	255	1.30	140	182	239	302	385	466	568	682						CCC/VDE	Al	175
L	LK45CU1	1/3-	4.5	F	RSCR	255	1.50	140	182	239	302	385	466	568	682			5			CCC/VDE	Al	175
L	L58CU1	1/3+	5.8	F	RSIR	275	1.30	144	197	249	312	385	474	582	704						CCC/VDE	Al	168
L	LZ58CU	1/3+	5.8	F	RSCR	275	1.65	144	197	249	312	385	474	582	704			5			CCC/VDE	Cu	175
L	LJ58CU	1/3+	5.8	F	ESCR	275	1.83	144	197	249	312	385	474	582	704			5				Cu	175
S	S68CU1	3/8+	6.8	F	RSIR	325	1.30	183	242	301	382	472	573	703	828							Al	166
S	SK68CU1	3/8+	6.8	F	RSCR	325	1.50	183	242	301	382	472	573	703	828			5			CCC	Al	166
L	LU68CU1	3/8+	6.8	F	RSCR	325	1.60	183	242	301	382	472	573	703	828			5				Al	171
L	LZ68CU	3/8+	6.8	F	RSCR	325	1.70	183	242	301	382	472	573	703	828			5			CCC/VDE	Cu	175
L	LJ68CU	3/8+	6.8	F	ESCR	325	1.80	183	242	301	382	472	573	703	828			5				Cu	177
L	LJ68CU1	3/8+	6.8	F	ESCR	325	1.80	183	242	301	382	472	573	703	828			5				Cu	177
L	L76CU1	1/2	7.6	F	RSIR	380	1.30	227	265	350	443	543	661	773	929						CCC/VDE	Al	175
L	LK76CU1	1/2	7.6	F	RSCR	380	1.50	227	265	350	443	543	661	773	929			5			CCC/VDE/CE	Al	175
L	LU76CU1	1/2	7.6	F	RSCR	380	1.60	227	265	350	443	543	661	773	929			5				Al	177
L	LZ76CU	1/2	7.6	F	RSCR	380	1.70	227	265	350	443	543	661	773	929			5			CCC/VDE	Cu	175
L	L83CU1	1/2+	8.3	F	CSIR	400	1.40	244	305	385	480	589	704	843	1011				50		CCC/TUV/CE	Al	179
L	LK83CU	1/2+	8.3	F	RSCR	400	1.50	244	305	385	480	589	704	843	1011			5			CCC/VDE	Cu	177
L	LK83CU1	1/2+	8.3	F	CSR	400	1.50	244	305	385	480	589	704	843	1011			6	50		CCC/TUV/CE	Al	179
L	LU83CU	1/2+	8.3	F	CSR	400	1.60	244	305	385	480	589	704	843	1011			6	50		CCC	Cu	179
L	L96CU1	3/4-	9.5	F	CSR	450	1.50	277	341	428	534	655	787	947	1138			6	50		CCC	Al	179
L	LK96CU	3/4-	9.5	F	CSIR	450	1.50	277	341	428	534	655	787	947	1138							Cu	177
L	LU100CU	3/4	9.5	F	CSR	460	1.60	277	341	428	534	655	787	947	1138			6	50		CCC	Cu	179
K	K480CU1	3/4-	10.9	F	CSIR	480	1.30	274	361	463	584	728	876	1077	1314				50		CCC/VDE	Al	189
K	K480CU	3/4-	10.9	F	CSIR	480	1.30	274	361	463	584	728	876	1077	1314				50		CCC/VDE	Cu	189
K	KK480CU	3/4-	10.9	F	CSR	480	1.50	274	361	463	584	728	876	1077	1314			6	50		CCC/VDE/CB	Cu	198
K	KK480CU1	3/4-	10.9	F	CSR	480	1.50	274	361	463	584	728	876	1077	1314			6	50		CCC	Al	198
K	KK550CU	3/4	11.4	F	CSR	550	1.50	329	437	545	686	845	1023	1236	1504			6	50		CCC/CE	Cu	198
K	KU550CU	3/4	11.4	F	CSR	550	1.60	329	437	545	686	845	1023	1236	1504			6	50			Cu	198
NE	NE2150CU	3/5	13.5	F	CSIR	580	1.30	324	429	564	720	896	1019	1217	1430				75		CCC	Cu	196
K	KK650CU	1/2	14.3	F	CSR	650	1.50	364	488	613	762	938	1133	1377	1657			6	50		CCC/CE	Cu	198
K	KZ650CU*	1/2	14.3	F	CSR	650	1.50	364	488	613	762	938	1133	1377	1657			6	50			Cu	198
NE	NE2168CU	3/4	16.7	F	CSR	750	1.30	401	531	698	891	1108	1349	1625	1917			6	75		CCC/VDE		198
NE	NE2168CUA	3/4	16.7	F	CSR	780	1.45	456	586	739	921	1141	1394	1684	2041			15	100		CCC	Cu	205
NE	NE2178CU	1	18	F	CSR	810	1.30	476	612	772	961	1192	1456	1759	2131								205
NV	NV2180CU	1-	25.1	F	CSR	900	1.30	493	628	828	1073	1423	1794	2174	2613			15	75		CCC	Cu	239
NV	NV2195CU	1-1/8	27.8	F	CSR	1020	1.30	625	768	973	1223	1581	1954	2345	2973			25	100		CCC	Cu	239

定频系列 on/off Series

系列 Series	型号 Model	马力 Horse Power	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	标况		制冷量 (ASHRAE) Cooling Capacity											运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	电机 Motor	壳体高度 Height "A"
						-23.3°C/54.4°C		蒸发温度 (°C) Evaporating Temperature															
						W	COP(W/W)	-35	-30	-25	-20	-15	-10	-5	0	5	7.2	10					
								W	W	W	W	W	W	W	W	W	W	W					
160-260V~50Hz R290 L/MBP																							
S	SU50WU1	1/4+	5.0	F	RSCR	200	1.60	123	165	210	262	324	394	472	573			5		CB	Al	171	
L	L58WU1	1/3+	5.8	F	RSCR	275	1.50	144	197	249	312	385	474	582	704			5		CB	Al	175	
L	LU58WU1	1/3+	5.8	F	RSCR	275	1.60	126	172	226	290	364	451	551	662			5			Al	175	
L	LZ58WU1	1/3+	5.8	F	RSCR	275	1.70	144	197	249	312	385	474	582	704								
L	L68WU1	3/8+	6.8	F	RSCR	325	1.50	183	242	301	382	472	573	703	828			5		CB	Al	175	
L	LZ68WU1	3/8+	6.8	F	RSCR	325	1.70	183	242	301	382	472	573	703	828			6			Al	179	
L	L76WU1	1/2	7.6	F	RSCR	375	1.50	227	265	350	443	543	661	773	929			5		CB	Al	175	
L	LZ76WU1	1/2	7.6	F				227	265	350	443	543	661	773	929								
K	K480WU1*	3/4-	10.9	F	CSR	480	1.30	274	361	463	584	728	876	1077	1314			6	75		Al	198	
K	K550WU1*	3/4	11.4	F	CSR	550	1.30	329	437	545	686	845	1023	1236	1504			6	75		Al	198	
K	K650WU1*	1/2	14.3	F	CSR	650	1.30	364	488	613	762	938	1133	1377	1657			6	75		Al	198	
115-127V~60Hz R290 L/MBP																							
S	S43XU1	1/4+	4.2	F	RSIR	200	1.30	127	170	216	270	334	406	486							Al	166	
L	LZ43XU	1/4+	4.3	F	CSR	200	1.70	89	122	161	212	260	316	387	15			15	75	UL	Cu	175	
L	LZ43XU1	1/4+	4.3	F	CSR	200	1.70	89	122	161	212	260	316	387	15			15	75		Al	175	
S	S50XU1	1/3-	5.0	F	RSIR	260	1.30	141	190	242	301	373	453	543							Al	166	
L	LZ45XU	1/3+	4.5	F	CSR	265	1.70	116	155	203	275	331	407	500	15			15	75	UL	Cu	175	
L	LZ45XU1	1/3+	4.5	F	CSR	265	1.70	116	155	203	275	331	407	500	15			15	75		Al	175	
L	L58XU1	3/8+	5.6	F	RSIR	320	1.30	147	200	263	338	424	525	641							Al	168	
L	LZ58XU	3/8+	5.6	F	CSR	320	1.70	147	200	263	338	424	525	641	12			12	75	UL	Cu	175	
L	LZ58XU1	3/8+	5.6	F	CSR	320	1.70	147	200	263	338	424	525	641	12			12	75		Al	175	
L	LZ72XU	1/2	7.2	F	CSR	400	1.70	184	249	328	420	528	652	798	15			15	75	UL	Cu	175	
L	LZ72XU1	1/2	7.2	F	CSR	400	1.70	184	249	328	420	528	652	798	15			15	75		Al	175	
L	LM72XU	1/2	7.2	F	CSR	400	1.75	184	249	328	420	528	652	798	15			15	75		Cu	179	
L	LZ83XU	1/2+	8.3	F	F	480	1.70	280	351	442	551	677	810	970	15			15	75		Cu	179	
K	KK480XU	3/4-	9.6	F	CSR	500	1.50	288	381	480	600	741	918	1120	15			15	150		Cu	189	
K	KK550XU	3/4	10.9	F	CSR	580	1.50	315	415	532	672	837	1007	1239	15			15	150		Cu	198	
K	KK650XU	3/4+	11.4	F	CSR	650	1.45	387	513	642	800	994	1207	1451	15			15	150		Cu	198	
100V~50Hz/60Hz R290 LBP																							
S	S50AU1	1/4+	5.0	F	RSCR	213	1.15	123	165	210	262	324	394	472	573			12			Al	168	
						260	1.30	141	190	242	301	373	453	543	659								
	KK550AU	3/4	10.9	F	CSR	480	1.40	274	361	463	584	728	876	1077	1314			15	150		Cu	198	
						550	1.50	315	415	532	672	837	1007	1239	1511								
220-240V~50Hz/60Hz R290 L/MBP																							
S	SK43DU1	1/4+	4.3	F	RSCR	170	1.4	110	148	188	235	290	353	423	513			4		CB	Al	171	
						200	1.55	127	170	216	270	334	406	486	590								
	SU50DU1	1/4+	5.0	F	RSCR	213	1.40	123	165	210	262	324	394	472	573			5		CB	Al	171	
						260	1.60	141	190	242	301	373	453	543	659								

定频系列 on/off Series

系列 Series	型号 Model	马力 Horse Power	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	标况		制冷量 (ASHRAE) Cooling Capacity										运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	电机 Motor	壳体高度 Height "A"
						-23.3°C/54.4°C		蒸发温度 (°C) Evaporating Temperature														
						W	COP(W/W)	-35	-30	-25	-20	-15	-10	-5	0	5	7.2					
HP	cm³	W	W	W	W	W	W	W	W	W	W	W	W	μF	μF							
220-240V~50Hz/60Hz R290 L/MBP																						
L	LK58DU1	3/8+	5.8	F	RSCR	275	1.50	144	197	249	312	385	474	582	704			5		CCC/CB	Al	175
						325	1.50	173	236	299	374	462	569	698	825							
L	LZ58DU1	3/8+	5.8	F	RSCR	275	1.70	126	172	226	290	364	451	551	662			5			Al	175
						325	1.70	147	200	263	338	424	525	641	770							
L	LK68DU1	1/2+	6.8	F	RSCR	325	1.50	183	242	301	382	472	573	703	828			5		CCC/CB/TUV/CE	Al	175
						380	1.50	219	282	353	448	553	677	795	979							
L	LZ68DU1	1/2+	6.8	F	RSCR	325	1.70	147	200	263	338	424	525	641	770							
						380	1.70	174	238	312	401	504	623	761	914							
L	LK76DU1	3/5	7.6	F	RSCR	380	1.50	227	265	350	443	543	661	773	929			5		CCC/CB	Al	175
						430	1.50	272	309	411	525	642	789	919	1108							
K	K480DU	1/2+	9.6	F	CSIR	400	1.30	238	305	380	502	649	789	945	1112				50	TUV	Cu	189
						500	1.40	288	381	480	600	741	918	1120	1353							
K	KK550DU	3/4	10.9	F	CSR	500	1.50	274	361	463	584	728	876	1077	1314			6	50	CB/KC	Cu	198
						580	1.50	315	415	532	672	837	1007	1239	1511							
NE	NE2168DU	3/4-	16.7	F	CSR	750	1.30	434	558	703	876	1086	1327	1603	1942			6	75	CCC/TUV/CE/VDE	Cu	200
						850	1.30	499	641	809	1008	1249	1526	1843	2234							

系列 Series	型号 Model	马力 Horse Power	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	标况		制冷量 (ASHRAE) Cooling Capacity										运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	电机 Motor	壳体高度 Height "A"	
						7.2°C/54.4°C		蒸发温度 (°C) Evaporating Temperature															
						W	COP (W/W)	-35	-30	-25	-20	-23.3	-15	-10	-5	0	5						10
HP	cm³	W	W	W	W	W	W	W	W	W	W	W	W	μF	μF								
220-240V~50Hz R290 M/HBP																							
S	S6160CU1	4/5+	5.3	F	RSIR	700	2.40						306	370	452	550	636	780			Al	171	
L	L6170CU	1/4+	5.8	F	CSIR	790	2.50						343	419	511	616	735	865		50	CCC/CB	Cu	177
L	L6180CU	3/4-	6.8	F	CSIR	920	2.50						406	502	606	730	864	1019		50	CCC/CE	Cu	179
L	L6186CU	3/4	7.6	F	CSIR	1000	2.50						449	548	662	804	964	1139		50	CCC	Cu	179
L	L6196CU*	1/3+	8.3	F	CSR	1100	2.50						526	642	785	937	1105	1301	6	50		Cu	179
L	L6212CU*	2/5+	9.5	F	CSR	1300	2.50						586	711	858	1024	1214	1434	6	50		Cu	179
K	K6196CU	1/3+	8.3	F	CSIR	1100	2.50						481	580	716	866	998	1223		50	CCC	Cu	198
K	K6212CU	2/5+	9.5	F	CSR	1300	2.50						560	685	843	1033	1230	1455	6	75	CCC	Cu	198
NE	NE6214CU	1/2+	12	F	CSR	1600	2.50						752	911	1098	1315	1558	1840	15	75		Cu	200
NE	NE6217CU	3/5+	14.2	F	CSR	1900	2.30						877	1063	1281	1535	1819	2148	15	75		Cu	200

定频系列 on/off Series

系列 Series	型号 Model	马力 Horse Power	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	标况		制冷量 (ASHRAE) Cooling Capacity										运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	电机 Motor	壳体高度 Height "A"							
						7.2°C/54.4°C		蒸发温度 (°C) Evaporating Temperature																					
						W	COP(W/W)	-35	-30	-25	-20	-23.3	-15	-10	-5	0	5						10						
220-240V~50Hz R134a M/HBP																													
S	S6160CZ1	1/4	7.2	F	RSIR	750	2.30												270	357	486	568	674	821			CCC/CE	Al	167
L	L6170CZ	1/4+	7.9	F	CSIR	850	2.30												306	416	535	626	745	902		50	CCC/VDE	Cu	177
NE	NE5170CZ	1/3	9.8	F	RSIR	930	2.20												331	423	543	680	822	1001			CCC/CE	Cu	196
NE	NE6188CZ	3/8	12.0	F	CSIR	1100	2.30												407	520	667	835	1010	1230		75	CCC/CE	Cu	196
K	K6210CZ	3/8	11.4	F	CSIR	1200	2.30												420	590	682	848	1032	1246		75	CCC/CE	Cu	198
220-240V~50Hz/60Hz R134a M/HBP																													
L	L6170DZ1*	1/4	7.9	F	CSIR	850	2.20												306	416	535	626	745	902		50		Al	179
						950	2.30												352	478	615	720	857	1037					
K	K6210DZ	3/8	11.4	F	CSIR	1200	2.00												420	590	682	848	1032	1246		75	CCC	Cu	198
						1300	2.10												499	625	789	981	1179	1418					
100V~50Hz/60Hz R134a M/HBP																													
K	K6212AZ	3/8	11.4	F	CSIR	1200	2.30												420	590	682	848	1032	1246	15	150		Cu	198
						1300	2.30												499	625	789	981	1179	1418					
220-240V~60Hz R134a M/HBP																													
K	K6210CZ	1/2	12.7	F	CSIR	1400	2.10												556	696	879	1093	1313	1580		75	CB/KC	Al	198
115V~60Hz R134a M/HBP																													
NE	NE6170BZ	1/4	9.0	F	RSIR	980	2.20												330	452	545	735	858	1044		150	UL	Cu	196
NE	NE6188BZ	3/8	12.0	F	CSIR	1280	2.20												429	603	771	963	1211	1450		100	UL	Cu	196
220-240V~50Hz R404A M/HBP																													
NE	NE6210CK	2/5	9.0	F	CSIR	1250	1.80												466	566	721	893	1082	1288		75	CCC/CE	Cu	200
NE	NE6213CK	3/5	12.0	F	CSIR	1750	1.80												550	862	1080	1327	1602	2265		75	CCC/CE	Cu	206
NCT	NCT6228CK1	11/4	23.6	F	CSR	3320	2.00												1432	1785	2190	2707	3251	3813	25	100	CCC	Al	278
NCT	NCT6240CK	13/4	34.6	F	CSR	4800	2.10												1936	2457	3014	3752	4530	5417	25	100	CCC	Cu	278
220-240V~60Hz R404A M/HBP																													
NE	NE6213FK	1/2	9.3	F	CSIR	1600	1.90												581	913	1141	1402	1639	2394		75		Cu	198
NE	NE6219DK	3/4	13.5	F	CSR	2200	1.90												751	1181	1475	1813	2119	3095	15	75		Cu	198
NCT	NCT6228DK	1	23.6	F	CSR	3900	2.00												1647	2053	2519	3113	3734	4385	25	100		Cu	278
115V~60Hz R404A M/HBP																													
NE	NE6213BK	3/4	12	F	CSR	2020	2.00												828	1020	1310	1580	1860	2200	20	75		Cu	200

测试工况 TEST CONDITION

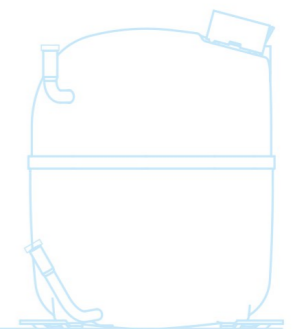
测试工况 Test Condition	低背压 LBP			中/高背压 MBP
	ASHRAE	AHAM	CECOMAF	ASHRAE
蒸发温度 Evap. Temp. °C	-23.3	-23.3	-25.0	+7.2
环境温度 Amb. Temp. °C	+32.2	+32.2	+32.0	+35.0
冷凝温度 Cond. Temp. °C	+54.4	+40.5	+55.0	+54.4
吸气温度 Suction Temp. °C	+32.2	+32.2	+32.0	+35.0
过冷温度 Subcooling Temp. °C	+32.2	+32.2	+55.0	+46.1

单位换算 CONVERSION TABLE

1 kcal/h=1.163W
 1 kcal/h=3.968 Btu/h
 1 W=0.8598 kcal/h
 1 W=3.412 Btu/h
 1 Btu/h=0.252 kcal/h
 Capacity (at50Hz) × 1.16=Capacity (at60Hz)
 EER=COP× 3.412

注: *表示开发中产品
 EPTC: 零功耗启动
 CURRENT: 电流式启动
 POTENTIAL: 电压式启动

NOTE: * Developing
 EPTC: zero power electronic starter
 CURRENT: current starting relay
 POTENTIAL: potential starting relay



定频系列 on/off Series

系列 Series	型号 Model	马力 Horse Power	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	标况		制冷量 (ASHRAE) Cooling Capacity										运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	电机 Motor	壳体高度 Height "A"	
						-23.2°C/54.4°C		蒸发温度 (°C) Evaporating Temperature															
						W	COP(W/W)	-35	-30	-25	-20	-23.3	-15	-10	-5	0	5						10
HP	cm³	W	W	W	W	W	W	W	W	W	W	W	W	W	μF	μF							
220-240V~50Hz R404A LBP																							
L	LG68CK	3/8	6.8	F	CSIR	350	1.30		223	252	315	387	350	471	584	705	837			75	CCC	Cu	177
NE	NE2150CK	1/2	12.0	F	CSR	600	1.25		326	432	568	724	617	901	1097	1321	1558		6	75	CCC	Cu	200
NE	NE2170CK	3/4	13.5	F	CSR	700	1.25		358	475	624	796	678	990	1205	1451	1712		6	75	CCC/VDE	Cu	200
NE	NE2178CK	1	16.7	F	CSR	850	1.30		452	599	787	1004	855	1248	1520	1830	2159		15	75	CCC	Cu	200
NE	NE2178CKA	1	16.7	F	CSR	880	1.40		517	665	839	1045	907	1296	1582	1912	2316		15	100	CCC	Cu	205
NE	NE2180CK	1	18	F	CSR	910			537	690	870	1084	941	1344	1642	1983	2403		15	100		CU	205
NCT	NCT2176CK1	1	23.5	F	CSR	950	1.15		472	667	894	1149	986	1504	1923	2311	2756		25	100	CCC	Al	278
NV	NV2192CK	1	21.2	F	CSR	950	1.25		429	640	859	1121	933	1457	1848	2281	2773		25	100	CCC/TUV	Cu	239
NCT	NCT2195CK	1-1/2	31.2	F	CSR	1100	1.15		596	790	1038	1324	1128	1646	2005	2414	2847		25	100	CCC	Cu	264
NCT	NCT2212CK	1-3/4	34.6	F	CSR	1400	1.20		658	872	1145	1652	1461	1816	2212	2664	3142		25	100		Cu	278
220-240V~60Hz R404A LBP																							
NE	NE2134FK	1/2	12.0	F	CSR	670	1.30		375	497	653	833	710	1036	1262	1519	1792		6	75		Cu	200
NE	NE2170DK	3/4	13.5	F	CSR	750	1.20		412	546	718	915	780	1139	1386	1669	1969		15	75		Cu	200
NV	NV2192FK	1-1/8	21.2	F	CSR	1050	1.25		495	736	988	1301	1078	1679	2126	2623	3189		15	100	CCC	Cu	239
100V~50Hz/60Hz R404A LBP																							
NCT	NCT2195AK	1-1/2	31.2	F	CSR	1100	1.1		596	790	1038	1324	1128	1646	2005	2414	2847		35	250		Cu	278

测试工况 TEST CONDITION

测试工况 Test Condition	低背压 LBP			中/高背压 MBP	
	ASHRAE	AHAM	CECOMAF	ASHRAE	
蒸发温度 Evap. Temp. °C	-23.3	-23.3	-25.0	+7.2	
环境温度 Amb. Temp. °C	+32.2	+32.2	+32.0	+35.0	
冷凝温度 Cond. Temp. °C	+54.4	+40.5	+55.0	+54.4	
吸气温度 Suction Temp. °C	+32.2	+32.2	+32.0	+35.0	
过冷温度 Subcooling Temp. °C	+32.2	+32.2	+55.0	+46.1	

单位换算 CONVERSION TABLE

1 kcal/h=1.163W
 1 kcal/h=3.968 Btu/h
 1 W=0.8598 kcal/h
 1 W=3.412 Btu/h
 1 Btu/h=0.252 kcal/h
 Capacity (at50Hz) × 1.16=Capacity (at60Hz)
 EER=COP × 3.412

注: *表示开发中产品

NOTE: * Developing

EPTC: 零功耗启动

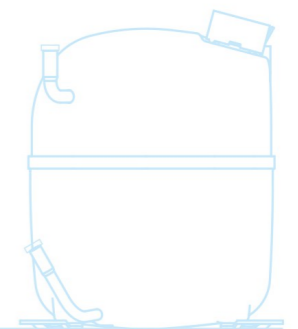
EPTC: zero power electronic starter

CURRENT: 电流式启动

CURRENT: current starting relay

POTENTIAL: 电压式启动

POTENTIAL: potential starting relay

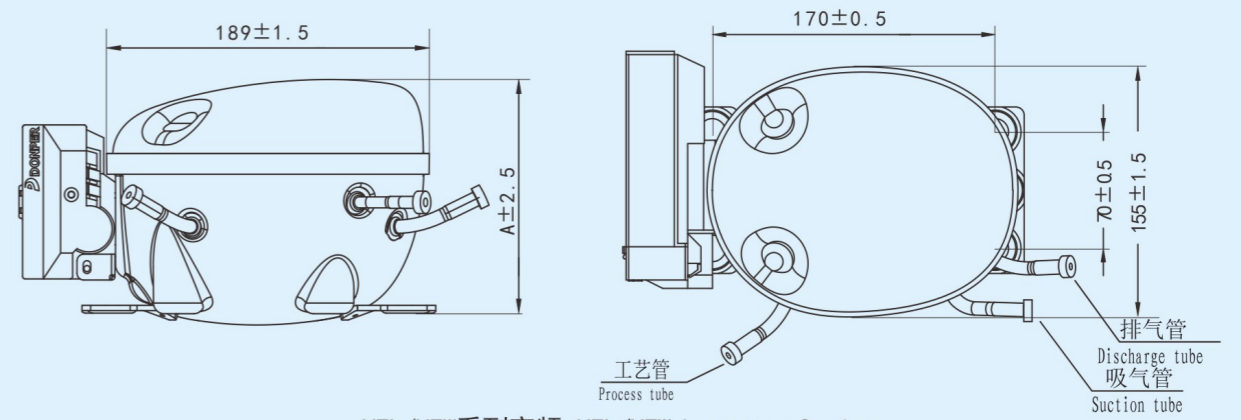




为全球冰箱、冷柜厂商提供一流的压缩机。
Provide first-class compressors for global refrigerator and freezer manufacturers.

压缩机外型尺寸图 Compressor Dimensions

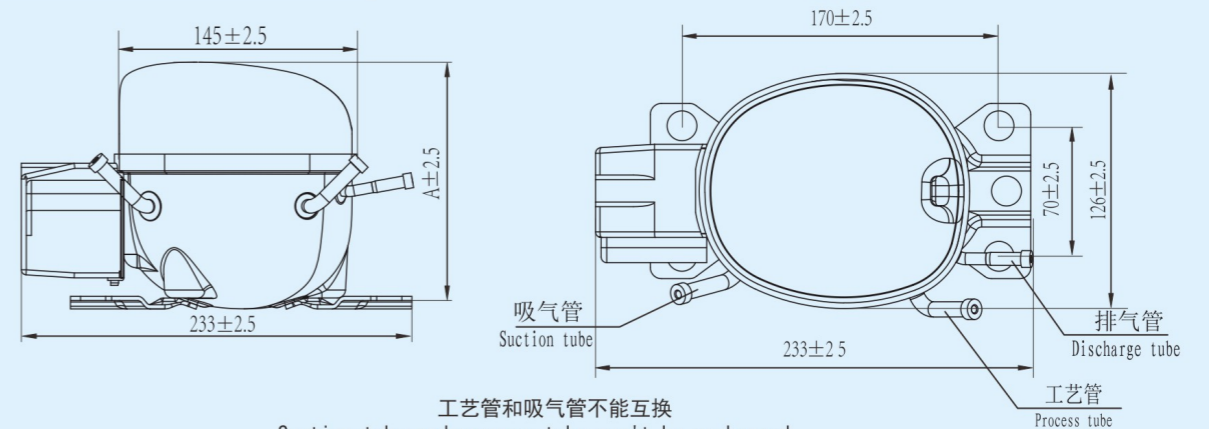
变频系列 VSC Series



VFL/VFW系列变频 VFL/VFW Inverter Series

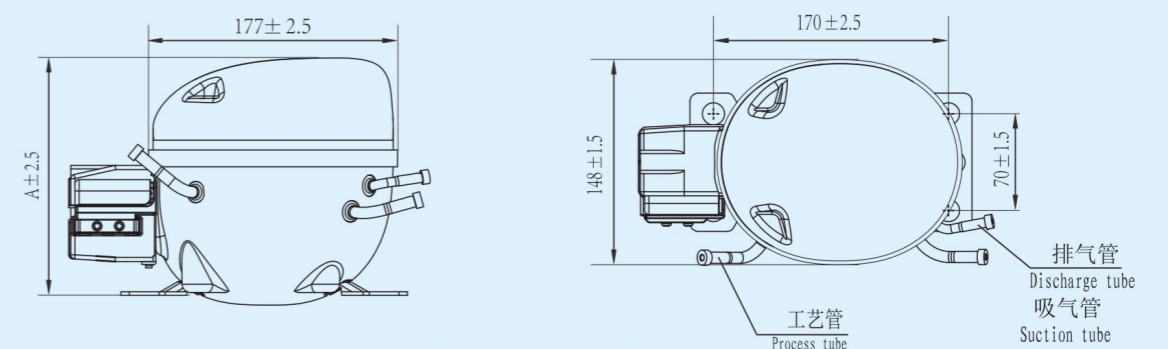
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

D系列 D Series



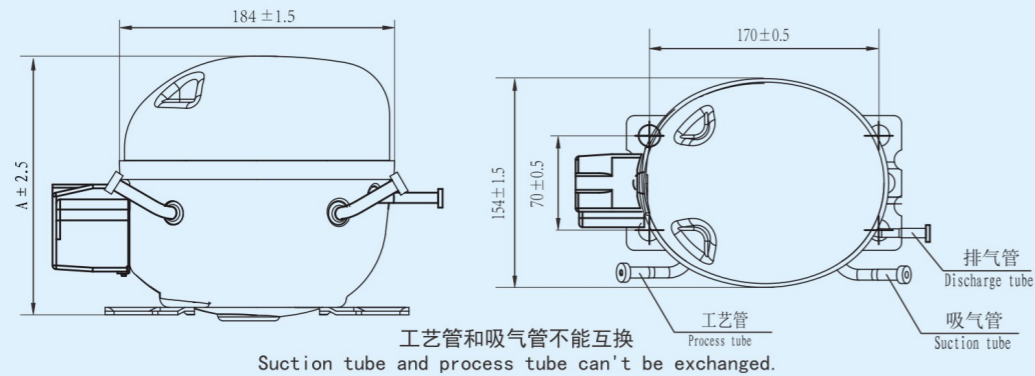
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

S系列 S Series

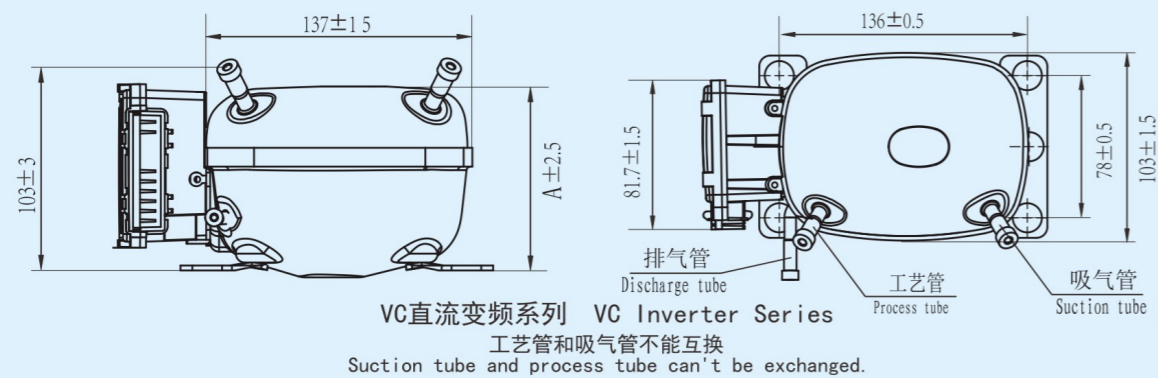


工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

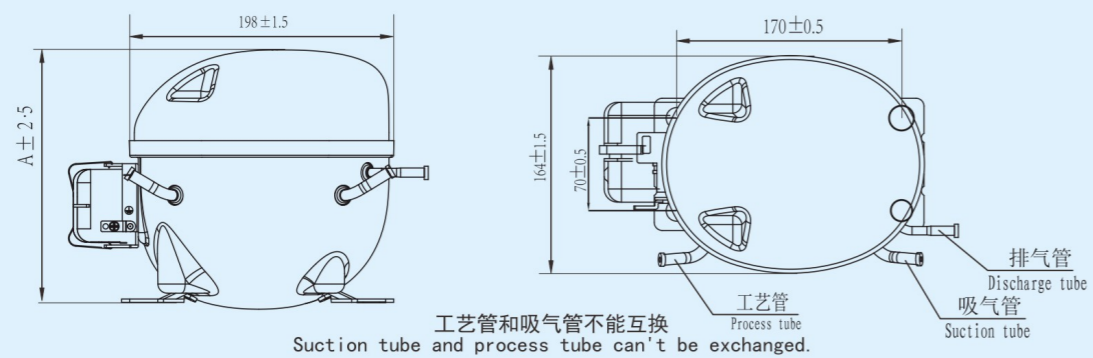
L系列 L Series



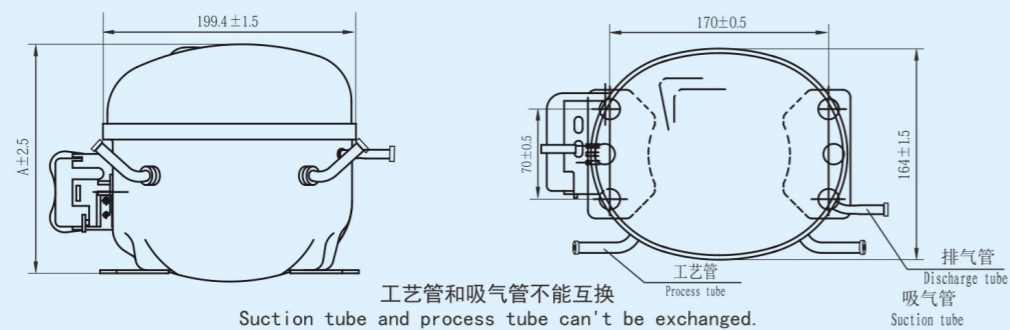
VC系列 VC Series



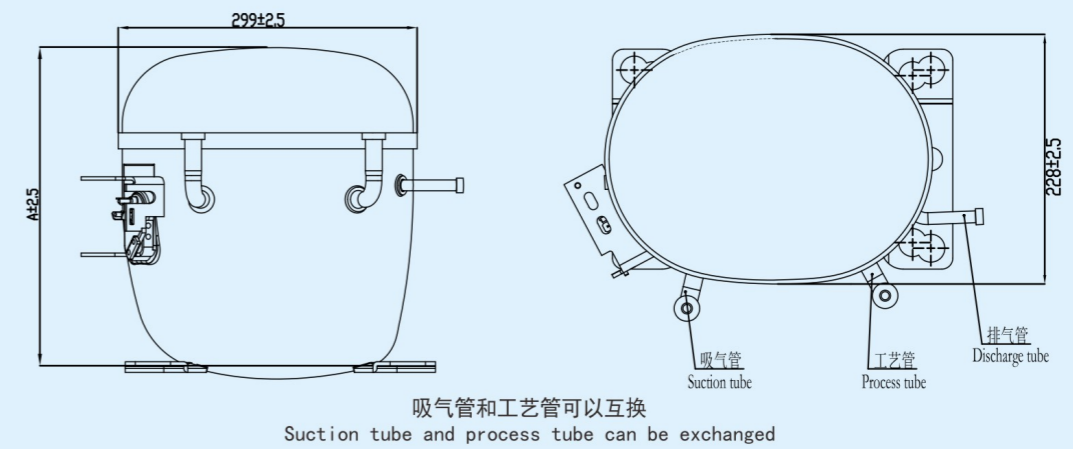
K系列 K Series



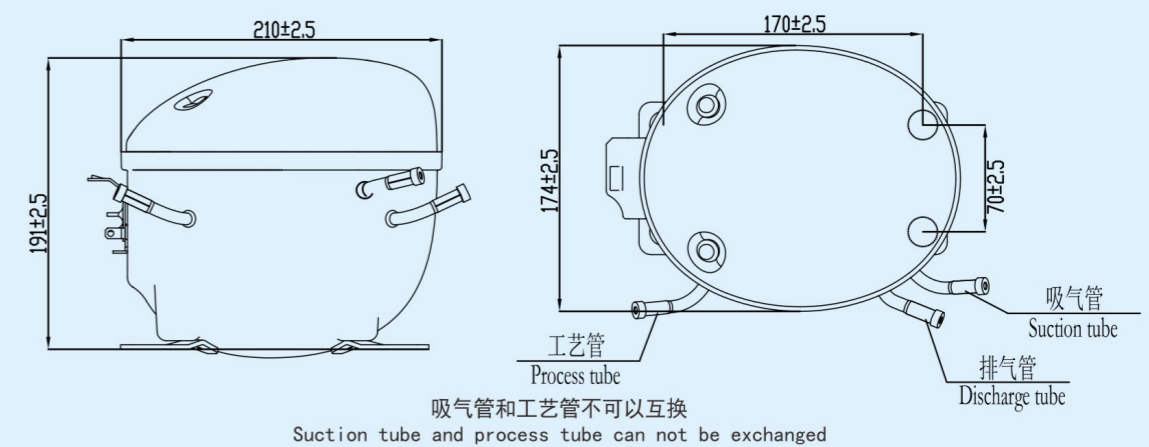
NE系列 NE Series



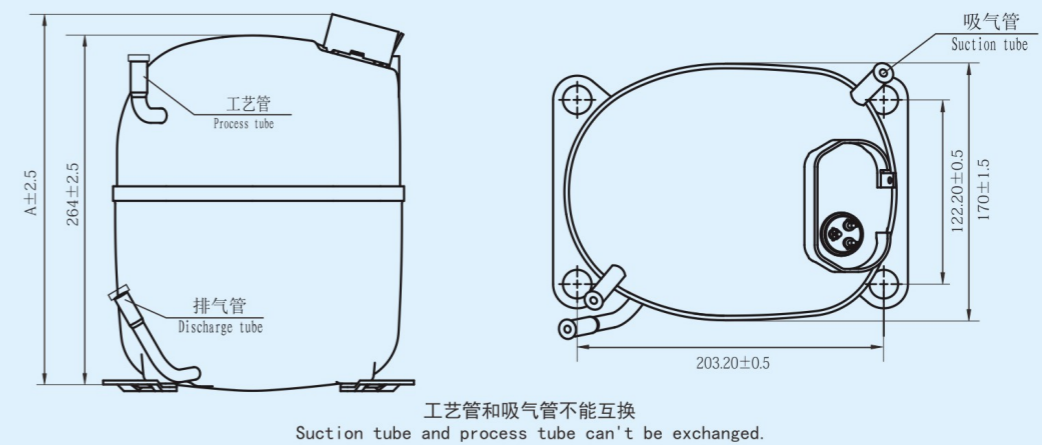
NV系列 NV Series



VK系列 VK Series

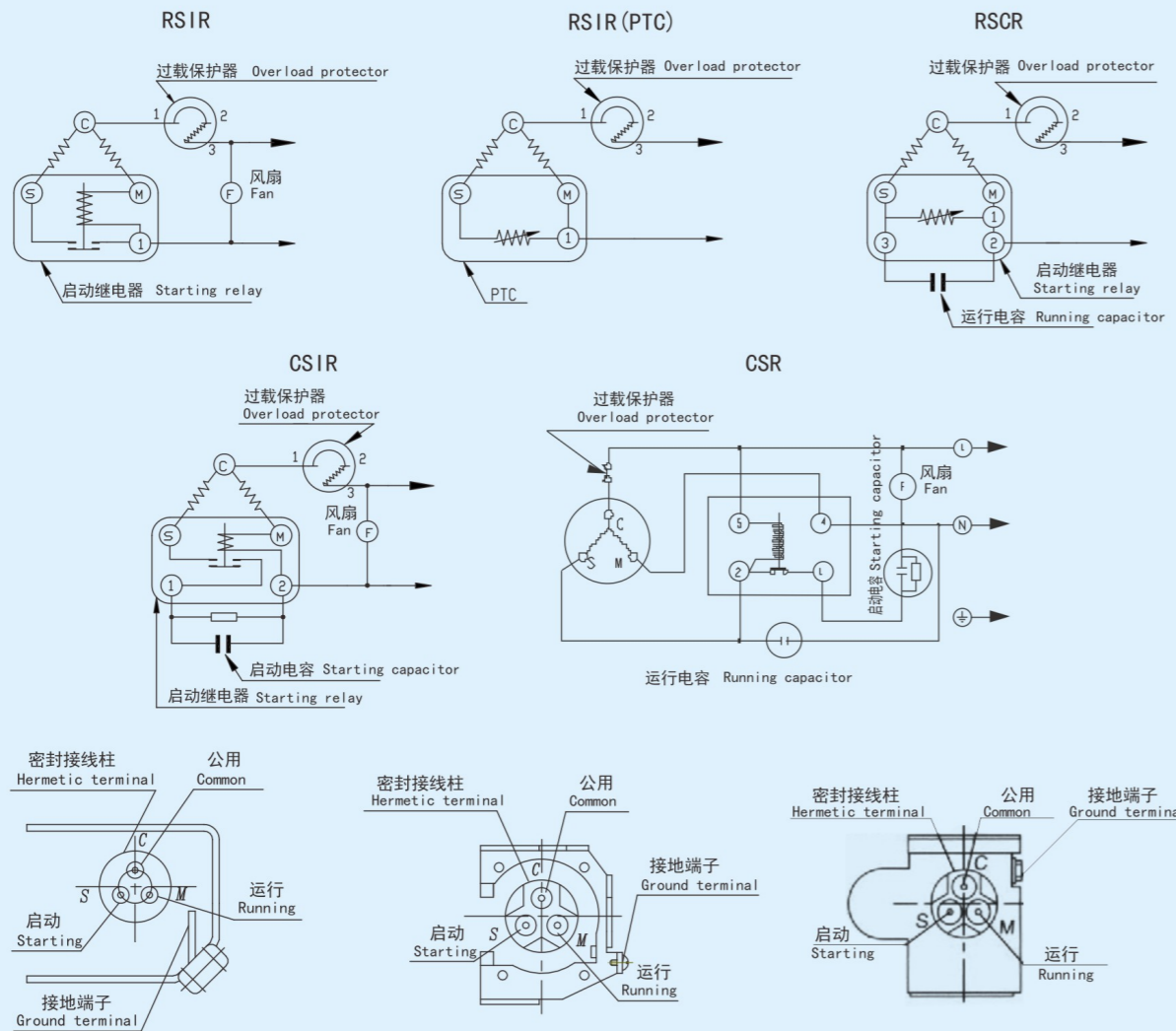


NCT系列 NCT Series



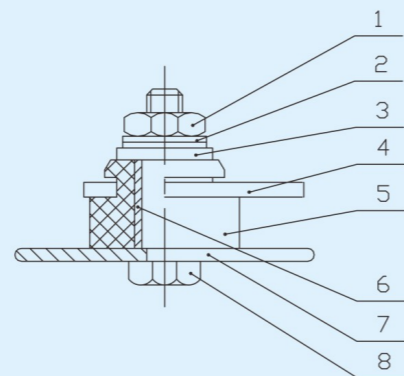
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一、产品电气接线图 Electrical Wiring Diagram

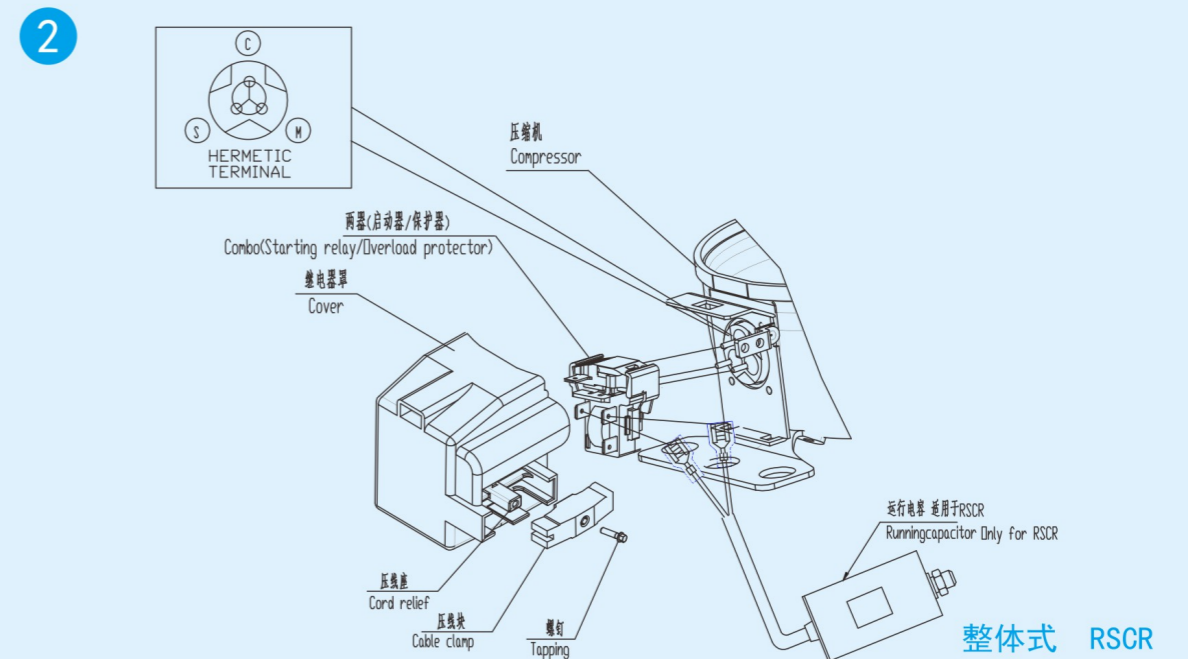
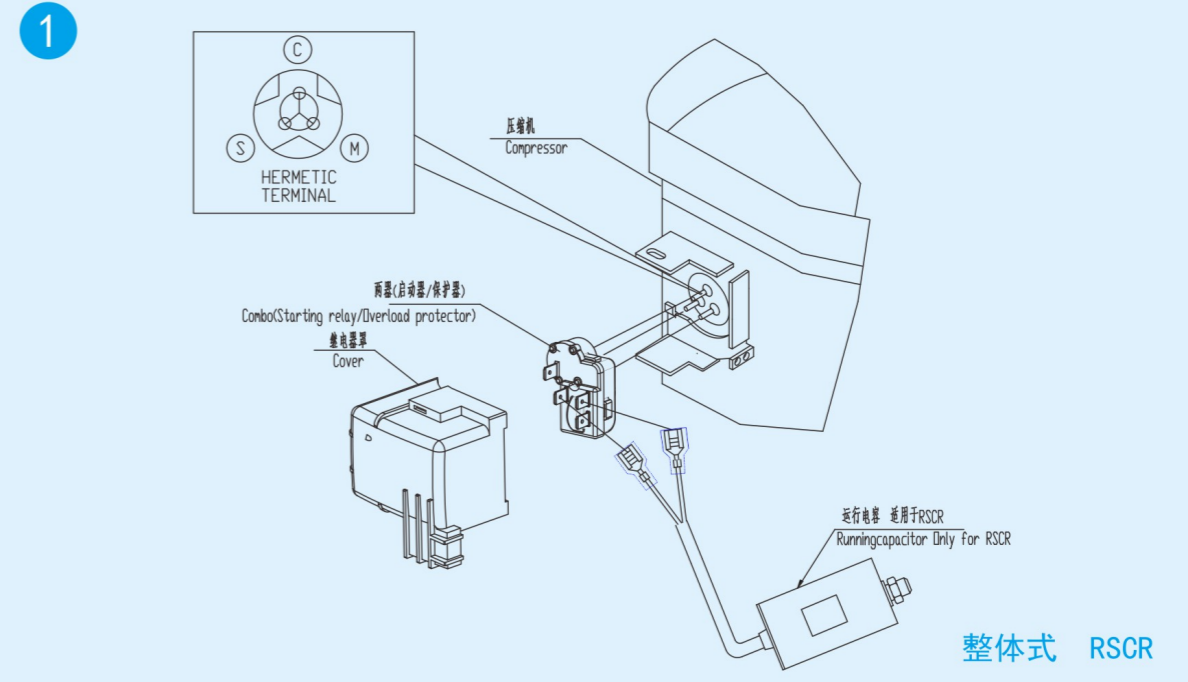


二、压缩机机脚与底板的安装 Fixing of mounting bracket and cabinet base

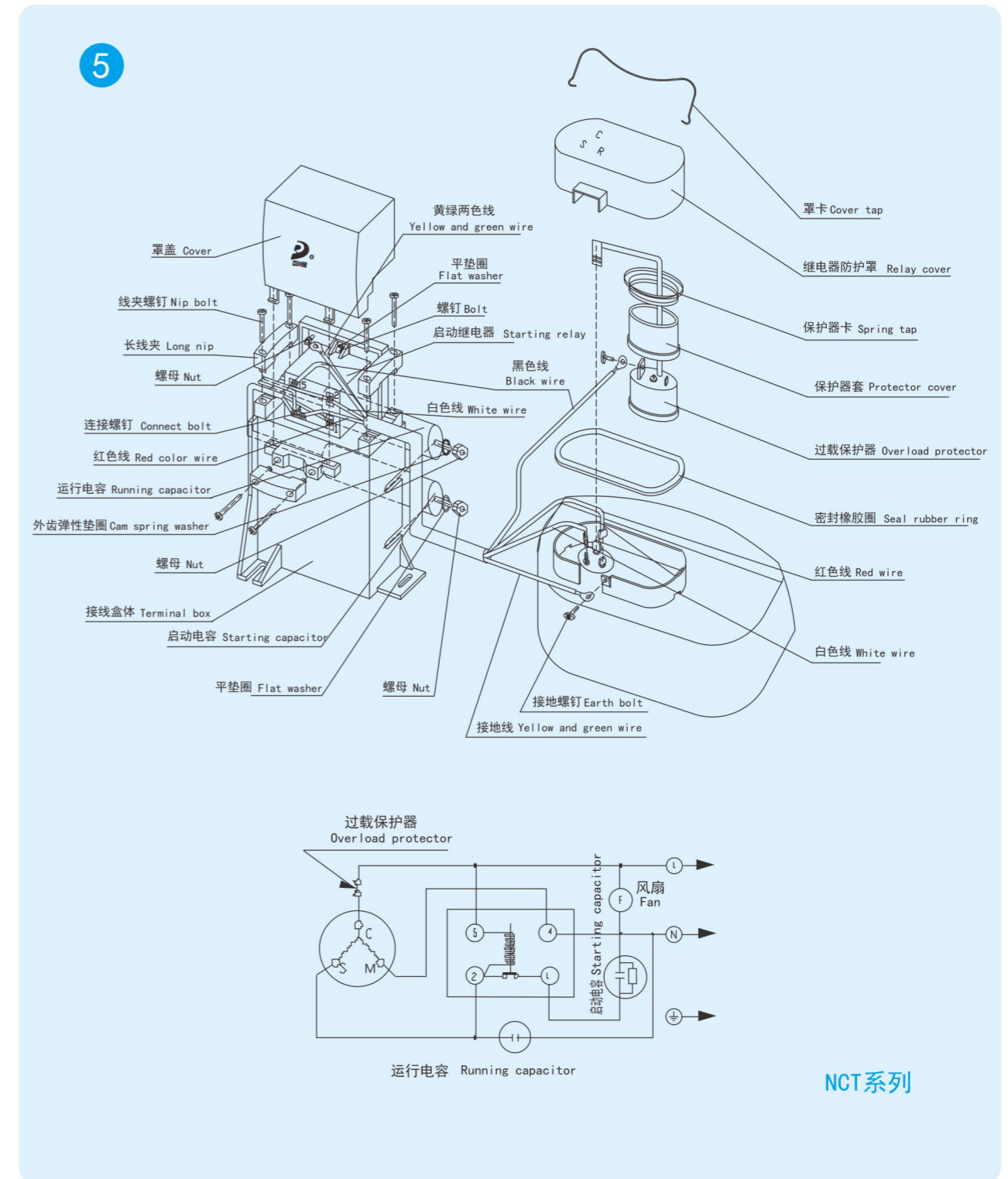
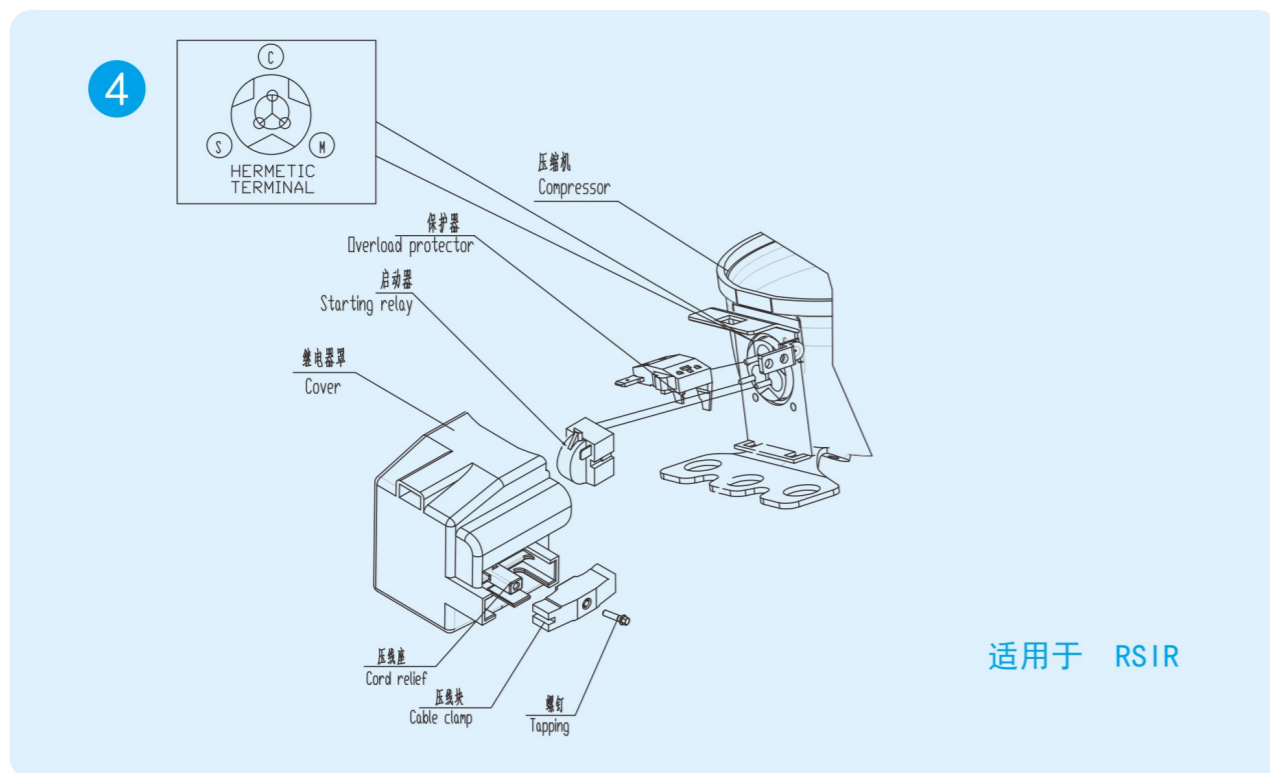
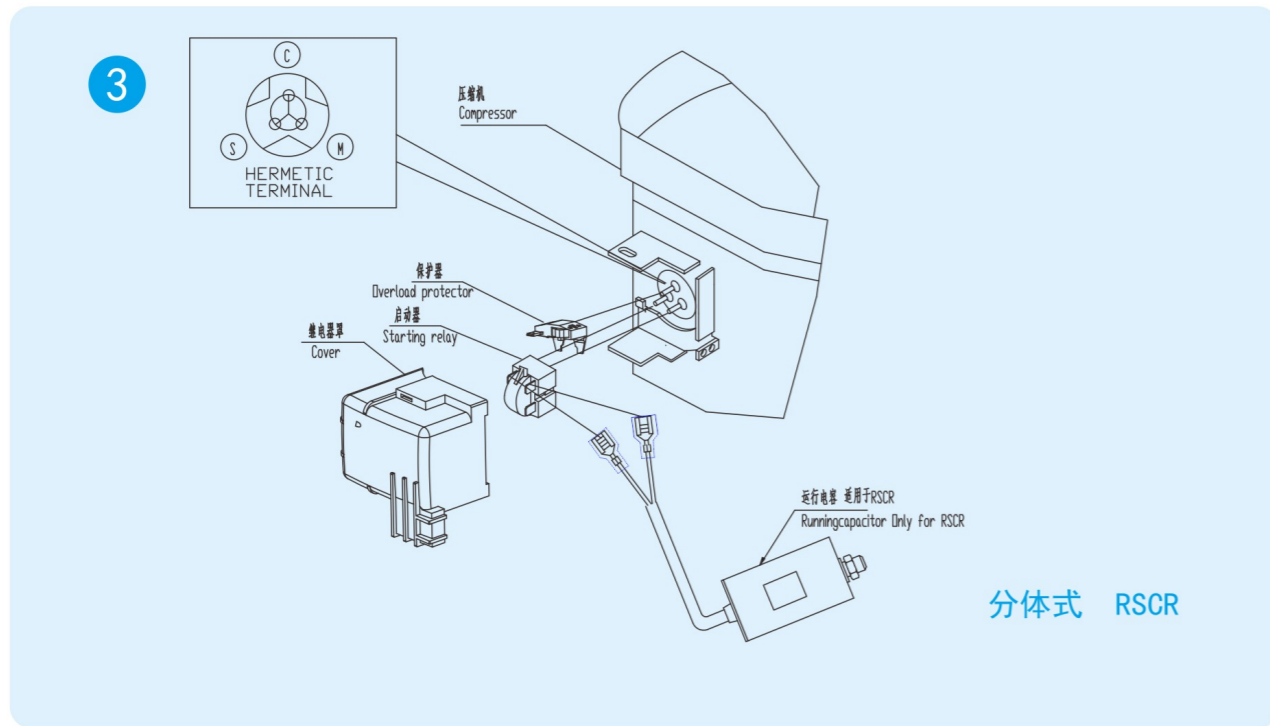
1. 地脚螺母 Hexagon nut
2. 弹簧垫圈 Spring washer
3. 平垫圈 Flat washer
4. 压缩机机脚 Compressor mounting bracket
5. 橡胶减振圈 Rubber grommet
6. 衬套 Sleeve
7. 安装底板 Cabinet base
8. 地脚螺栓 Screw



三、产品安装 Product mounting



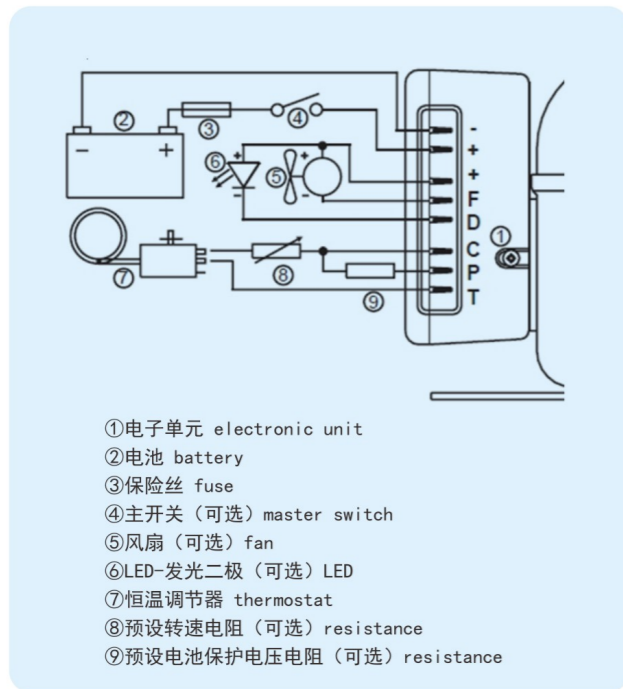
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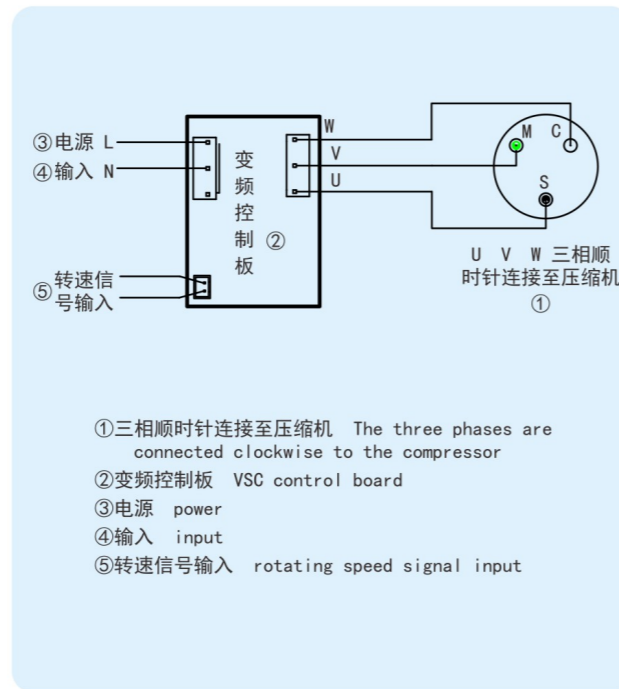
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四、变频压缩机产品接线 Frequency Inverter compressor wiring diagrams

直流DC



交流AC



五、产品通用要求 General requirement

1、压缩机拔掉橡胶塞后，15分钟内必须装机，以免污物和潮气进入。

After removing the rubber plug, the compressor must be assembled with 15 mins, to avoid dirt and moisture entering.

2、压缩机在存放、运输或安装时，不得倾斜或倒置，同时避免撞击。

When the compressor is stored, transported or installed, it shall not be tilted or turned upside down to avoid collision.

3、压缩机工作时要求与地面水平放置，压缩机倾斜角度不得大于5度。

When the compressor is working, it should be placed horizontally with the ground. The inclination angle of the compressor should not be more than 5°

4、压缩机内注有东贝认可的最佳用量的冷冻油及冷冻油的品号。不得随意倒出或添加油量及更换油品。

The compressor is filled with the optimum amount of refrigeration oil approved by Donper. Do not pour out, add or change oil at will.

5、为了保证系统压力平衡，压缩机运行时间不得少于4分钟。

To ensure the system pressure balance, the compressor running time should not be less than 4 mins.

6、压缩机不能承受高额电压或者在真空条件下启动、运行，不能用压缩机进行系统抽真空。

Compressor can not withstand high voltage or start, operation in Vacuum condition, it cannot be used to vacuum the system.

7、制冷系统设计时，应充分考虑系统的回油。

When the refrigeration system is designed, the oil return of the system should be fully considered.

8、正常压缩机的工作环境温度不能高于43°C。在最高室温(43°C)连续运行时，冷凝压力和最高峰值压力不应超过下表值(针对特殊的使用环境，在选型前需要提前告知我们)。

The working ambient temperature of normal compressor should be no more than 43°C. When the compressor is continuously running at the highest room temperature, the condensing pressure and highest peak pressure should not exceed the following table value (for special adaptive environment, we need to be told in advance before model selection).

制冷剂Refrigerant	R600a	R134a	R290	R404A
最大冷凝压力Max. condensing pressure	0.87MPa	1.59MPa	2.01MPa	2.68MPa
最大峰值冷凝压力Max. Peak value condensing pressure	0.98MPa	2.0MPa	2.44MPa	3.0MPa
最高排气温度Max discharging gas temperature	110°C	120°C	130°C	130°C

9、如果需要将正常压缩机蒸发温度的使用范围增大，必须经过东贝认可。

If it is necessary to increase the use range of compressor evaporation temperature, it must be approved by Donper.

10、压缩机应存放于防雨雪、防潮、防晒区域。

Compressor should be stored in the area with protection against rain and snow, moisture, and sun.

11、压缩机附件(如启动继电器、过载保护器、电容等)交货时，未安装在压缩机上，而是装在压缩机附件箱内。

Compressor accessories (such as PTC, OLP, capacitor etc.) are not assembled with compressor when delivered, but inside the compressor accessories box.

12、在使用过程中，您有什么要求，请及时与我们取得联系，以便更好地为您服务。

In the process of use, if you have any requests, please contact us in time, in order to better serve you.

六、R134a、R404A、R290、R1234yf系统特殊要求

Special Requirements for R134a, R404A, R290, R1234yf Systems

1、R134a、R404A、R290、R1234yf压缩机的三管敞口时间应尽可能短，最多不得超过10分钟。

The exposure time of three tubes of R134a、R404A、R290、R1234yf compressors should be as short as possible, no more than 10 mins.

2、R134a、R404A、R290、R1234yf压缩机内注入有东贝认可的专用冷冻油，不得随意添加、倒出或更换其它油品。

R134a, R404A, R290, R1234yf compressors are filled with special refrigeration oil approved by Donper. Please don't add, pour out or replace other oil products at will.

3、R134a、R404A、R290、R1234yf压缩机的工作系统应分别使用相对应的干燥过滤器。

The working system of R134a, R404A, R290, R1234yf compressors should use the corresponding drying filter respectively.

4、R134a、R404A、R290、R1234yf压缩机的工作系统进行抽真空和充注制冷剂时，必须分别使用专门装置或设备，不得与其它工质混用。

When vacuum pumping and refrigerant filling are carried out in the working system of R134a, R404A, R290, R1234yf compressors, special device and equipment must be used respectively, and it cannot be mixed with other refrigerants.

5、制冷系统应严格控制氯离子、石蜡、硅油及水份含量。

The content of chloride ion, paraffin, silicone oil and water should be strictly controlled in the refrigeration system.

6、与R134a、R404A、R290、R1234yf相容性不能确定的有机物在制冷系统中不得使用。

Organics with uncertain compatibility with R134a, R404A, R290, R1234yf shall not be used in refrigeration systems.

七、R290应用说明 R290 Application Instruction

R290制冷剂又称丙烷，属于天然制冷剂中的一种，具有良好的热力性能，价格低廉，R290制冷剂中不含有氯原子，ODP值为零，对大气臭氧层不具有破坏作用，同时R290制冷剂的GWP值接近零，对地球的温室效应没有影响，完全绿色环保。

R290 refrigerant, also known as propane, a kind of natural refrigerant with good thermal performance and low price. R290 refrigerant does not contain chlorine atoms, and its ODP value is zero, which does not damage the atmospheric ozone layer. Meanwhile, the GWP value of R290 is close to zero, which has no effect on the earth's green house effect and is completely green and environmentally friendly.