

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

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，是A股上市公司东贝集团（股票代码601956）旗下的核心子公司。

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九大创新平台，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能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15大系列400余个品种压缩机。产品主要采用R600a、R290、C-H混合工质、R1234yf、R404A、R134a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4600万台。公司的压缩机产品可应用于冰箱、冷柜、制冷陈列柜、展示柜、厨房冰箱、红酒柜、自动售卖机、冰淇淋机、饮水机、-40℃~-86℃医疗深冷柜、低温存储柜、海鲜柜等多种制冷器具。

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B/S/H/、三星、松下、惠而浦、夏普、海尔、海信、美的、三菱等国内外知名品牌的战略供应商。公司在德国、土耳其、墨西哥、巴西、南非、印度等地均设有技术服务网点，为客户提供一流的制冷解决方案。

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 a high-tech enterprise specializing in R&D, production and sales of refrigeration compressors, it is the core subsidiary of Donper Group (stock code 601956), a listed company in A-share market.

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. The company has established R&D centers in Huangshi, China, and Joinville, Brazil. The company has nine 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 400 varieties of 15 series compressors. The products mainly use R600a, R290, C-H mixed, R1234yf, R404A, R134a, and other refrigerants, with multiple models, complete specifications, wide range of cooling capacity and large power span, with an annual production capacity of 46 million pcs. The company's compressor products can be used in refrigerators, freezers, refrigeration display cabinets, display cabinets, kitchen refrigerators, wine cabinets, vending machines, ice cream machines, water dispensers, -40℃~-86℃ medical deep freezer, low-temperature storage freezer, seafood freezer and other refrigeration appliances.

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 B/S/H/, SAMSUNG, whirlpool, Panasonic, Sharp, Haier, Hisense, Midea, Meiling and other well-known brands in domestic and abroad. The company has set up technical service sites in Germany, Turkey, Mexico, Brazil, South Africa, India and other countries, to provide customers with first-class refrigeration solutions.

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

压缩机系列 Compressor Series

系列 SERIES	压缩机 COMPRESSOR	压缩机说明 COMPRESSOR DESCRIPTION
VSC		R600a, R290 30-260W, 120-320W VFL/VFW: 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
D		R600a, R134a 50-100W (LBP) 146×127×158mm (L×W×H) 小冷柜, 饮水机 SMALL FREEZER, WATER COOLER, ETC
A		R600a, R134a 48-140W (LBP) 157×142×163mm (L×W×H) 小冷柜, 饮水机, 冰箱 SMALL FREEZER, WATER COOLER, REFRIGERATOR

系列 SERIES	压缩机 COMPRESSOR	压缩机说明 COMPRESSOR DESCRIPTION
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.
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.
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.)

系列 Series	型号 Model	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	ASHRAE (-23, 3/54, 4/32, 2°C)				CECOMAF (-25/55/32°C)				运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	启动方式 Starter	电机 motor	壳体高度 Height "A"		
					制冷量 Cooling Capacity		COP		制冷量 Cooling Capacity		COP									
					W	Kcal/h	Btu/h	W/W	EER	W	Kcal/h	Btu/h							W/W	EER
220-240V~50Hz R600a LBP																				
A	AU120CY1A	7.2	ST	RSIR	118	101	403	1.55	5.29	89	76	303	1.21	4.12		CCC/CB	PTC	Al	163	
A	AU120CY1B	7.2	ST	RSCR	118	101	403	1.60	5.46	89	76	303	1.25	4.25	2.5	CCC/VDE	PTC	Al	160	
A	AZ120CY1A	7.2	ST	ESCR	118	101	403	1.70	5.80	89	76	303	1.32	4.51	2.5	CCC/TUV/CE	EPTC	Al	163	
S	SJ70CY1	7.0	ST	ESCR	118	101	403	1.80	6.14	89	76	303	1.40	4.78	3		EPTC	Al	168	
S	SR70CY1	7.0	ST	ESCR	118	101	403	1.85	6.31	89	76	303	1.44	4.91	3		TUV/CE	EPTC	Al	168
L	LC70CY1	7.0	ST	ESCR	118	101	403	1.90	6.48	89	76	303	1.48	5.04	3		CCC/VDE	EPTC	Al	177
L	LD70CY1	7.0	ST	ESCR	118	101	403	1.95	6.65	89	76	303	1.52	5.18	3		CCC	EPTC	Al	177
A	AU130CY1A	8.0	ST	RSCR	128	110	437	1.60	5.46	96	83	328	1.25	4.25	4			PTC	Al	163
A	A145CY1A	8.8	ST	RSIR	140	120	478	1.35	4.61	105	91	359	1.05	3.58		CCC/CB/TUV	PTC	Al	157	
A	AK140CY1A	8.8	ST	RSCR	140	120	478	1.50	5.12	105	91	359	1.17	3.98	4	CCC/CB/VDE	PTC	Al	163	
A	AU140CY1A	8.8	ST	RSCR	140	120	478	1.60	5.46	105	91	359	1.25	4.25	4		CCC/CE	PTC	Al	163
A	AZ140CY1A	8.8	ST	ESCR	140	120	478	1.70	5.80	105	91	359	1.32	4.51	4		TUV/VDE	EPTC	Al	163
S	SJ80CY1	8.0	ST	ESCR	138	119	471	1.80	6.14	104	89	354	1.40	4.78	4	CCC/TUV/CB	EPTC	Al	166	
S	SR80CY1	8.0	ST	ESCR	138	119	471	1.85	6.31	104	89	354	1.44	4.91	4		CCC/VDE	EPTC	Al	168
L	LC82CY1	8.2	ST	ESCR	138	119	471	1.90	6.48	104	89	354	1.48	5.04	3		CCC/VDE	EPTC	Al	177
L	LD82CY1	8.2	ST	ESCR	138	119	471	1.95	6.65	104	89	354	1.52	5.18	3			EPTC	Al	177
S	S96CY1	9.6	ST	RSIR	155	133	529	1.35	4.61	117	100	398	1.05	3.58		CCC	PTC	Al	162	
S	SU96CY1	9.6	ST	RSCR	155	133	529	1.60	5.46	117	100	398	1.25	4.25	4			PTC	Al	162
S	SZ96CY1	9.6	ST	RSCR	155	133	529	1.70	5.80	117	100	398	1.32	4.51	4			PTC	Al	162
S	SJ96CY1	9.6	ST	ESCR	155	133	529	1.80	6.14	117	100	398	1.40	4.78	4		CCC	EPTC	Al	168
L	LR88CY1	8.8	ST	ESCR	158	136	539	1.88	6.41	119	102	405	1.46	4.99	4		CCC/VDE	EPTC	Al	177
L	LD88CY1	8.8	ST	ESCR	158	136	539	1.95	6.65	119	102	405	1.52	5.18	4			EPTC	Al	177
S	S100CY1	10.0	ST	RSIR	168	144	573	1.35	4.61	126	109	431	1.05	3.58		CCC/VDE	PTC	Al	162	
S	SK100CY1	10.0	ST	RSIR	168	144	573	1.52	5.19	126	109	431	1.18	4.04			PTC	Al	162	
S	SU100CY1	10.0	ST	RSIR	168	144	573	1.60	5.46	126	109	431	1.25	4.25		CCC/VDE	PTC	Al	162	
S	SZ100CY1	10.0	ST	RSCR	168	144	573	1.75	5.97	126	109	431	1.36	4.65	4		CCC	PTC	Al	168
S	SJ100CY1	10.0	ST	ESCR	168	144	573	1.80	6.14	126	109	431	1.40	4.78	4		CCC/TUV	EPTC	Al	168
S	SR100CY1	10.0	ST	ESCR	168	144	573	1.85	6.31	126	109	431	1.44	4.91	4			EPTC	Al	171
L	LC100CY1	10.0	S	ESCR	168	144	573	1.90	6.48	126	109	431	1.48	5.04	4		CCC/VDE	EPTC	Al	177
L	LD100CY1	10.0	S	ESCR	168	144	573	1.95	6.65	126	109	431	1.52	5.18	4		CCC	EPTC	Al	177
S	SU111CY1	11.1	ST	RSCR	185	159	631	1.65	5.63	139	120	475	1.28	4.38	4	CCC/CB	PTC	Al	162	
S	SZ111CY1	11.1	ST	RSCR	185	159	631	1.73	5.90	139	120	475	1.35	4.59	4		CCC	PTC	Al	168
S	SJ111CY1	11.1	ST	ESCR	185	159	631	1.80	6.14	139	120	475	1.40	4.78	4	TUV/CE/VDE	EPTC	Al	171	
L	LR111CY1	11.1	ST	ESCR	185	159	631	1.88	6.41	139	120	475	1.46	4.99	4		CCC	EPTC	Al	177
L	LC111CY1	11.1	ST	ESCR	185	159	631	1.98	6.48	139	120	475	1.48	5.04	4		CCC	EPTC	Al	177
S	S118CY1	11.8	ST	RSIR	193	166	659	1.38	4.71	145	125	495	1.07	3.66		CB/TUV/CE	PTC	Al	166	
S	SU118CY1	11.8	ST	RSCR	193	166	659	1.65	5.63	145	125	495	1.28	4.38	4		CB	PTC	Al	168
S	SZ118CY1	11.8	ST	RSCR	193	166	659	1.70	5.80	145	125	495	1.32	4.51	4		CB	PTC	Al	168
L	LJ118CY1	11.8	ST	ESCR	193	166	659	1.80	6.14	145	125	495	1.40	4.78	5		CCC/VDE	EPTC	Al	177
L	LR118CY1	11.8	ST	ESCR	193	166	659	1.85	6.31	145	125	495	1.44	4.91	5		CCC/CE	EPTC	Al	177
L	LC118CY1	11.8	ST	ESCR	193	166	659	1.91	6.52	145	125	495	1.49	5.07	4			EPTC	Al	177
S	S126CY1*	12.6	ST	RSIR	212	182	723	1.36	4.64	159	137	544	1.06	3.61		CCC/VDE	PTC	Al	168	
S	SU126CY1*	12.6	ST	RSCR	212	182	723	1.60	5.46	159	137	544	1.25	4.25	5		CCC/VDE	PTC	Al	168
S	SZ126CY1	12.6	ST	RSCR	212	182	723	1.70	5.80	159	137	544	1.32	4.51	5		CCC/CE	PTC	Al	171
L	LJ126CY1	12.6	ST	ESCR	212	182	723	1.80	6.14	159	137	544	1.40	4.78	4		CCC/VDE	EPTC	Al	177
L	LR126CY1	12.6	ST	ESCR	212	182	723	1.85	6.31	159	137	544	1.44	4.91	4			EPTC	Al	177
L	LC126CY1	12.6	ST	ESCR	212	182	723	1.90	6.48	159	137	544	1.48	5.04	4		CCC/VDE	EPTC	Cu	177

系列 Series	型号 Model	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	ASHRAE (-23, 3/54, 4/32, 2°C)				CECOMAF (-25/55/32°C)				运行电容 Run Capacitor	启动电容 Start Capacitor	认证 Certification	启动方式 Starter	电机 motor	壳体高度 Height "A"		
					制冷量 Cooling Capacity		COP		制冷量 Cooling Capacity		COP									
					W	Kcal/h	Btu/h	W/W	EER	W	Kcal/h	Btu/h							W/W	EER
220-240V~50Hz R600a LBP																				
L	L140CY1	14.0	F	RSIR	235	202	802	1.36	4.64	177	152	603	1.06	3.61		CCC/VDE	PTC	Al	174	
L	LU140CY1	14.0	F	RSCR	235	202	802	1.60	5.46	177	152	603	1.25	4.25	5		CCC/VDE	PTC	Al	177
L	LZ140CY1	14.0	F	RSCR	235	202	802	1.70	5.80	177	152	603	1.32	4.51	5			EPTC	Al	177
L	LM140CY1	14.0	F	ESCR	235	202	802	1.75	5.97	177	152	603	1.36	4.65	5		CCC	EPTC	Al	177
L	LJ140CY1	14.0	F	ESCR	235	202	802	1.80	6.14	177	152	603	1.40	4.78	5		CCC/VDE	EPTC	Al	177
K	K270CY1	16.2	F	RSIR	265	228	904	1.30	4.44	199	171	680	1.01	3.45		CCC/VDE	PTC	Al	189	
K	KK270CY1	16.2	F	RSCR	265	228	904	1.50	5.12	199	171	680	1.17	3.98	5		CCC/VDE	PTC	Al	189
K	KU270CY1	16.2	F	RSCR	265	228	904	1.60	5.46	199	171	680	1.25	4.25	5		CCC/VDE	PTC	Al	189
K	KJ270CY1	16.2	F	ESCR	265	228	904	1.83	6.24	199	171	680	1.42	4.86	5		CCC	EPTC	Cu	189
K	KR270CY1	16.2	F	ESCR	265	228	904	1.88	6.41	199	171	680	1.46	4.99	5		CCC/VDE	EPTC	Cu	189
K	K290CY1	18.3	F	RSIR	290	249	989	1.30	4.44	218	187	744	1.01	3.45		CCC/VDE	PTC	Al	189	
160-260V~50Hz R600a LBP																				
D	D40WY1	4.0	ST	RSIR	50	43	171	1.20	4.09	38	32	128	0.93	3.19		CB	PTC	Al	157	
D	D43WY1	4.3	ST	RSIR	65	56	222	1.20	4.09	49	42	167	0.93	3.19		CB	PTC	Al	157	
S	SZ50WY1	5.0	ST	RSCR	80	69	273	1.70	5.80	60	52	205	1.32	4.51	2.5			PTC	Al	168
S	SZ55WY1*	5.5	ST	ESCR	90	77	307	1.73	5.90	68										

系列 Series	型号 Model	气缸容积 Displacement	冷却方式 Cooling Type	电机类型 Motor Type	ASHRAE (-23, 3/54, 4/32, 2°C)					CECOMAF (-25/55/32°C)					运行电流 Run Capacitor	启动电容 Start-Capacitor	认证 Certification	启动方式 Starter	电机 motor	壳体高度 Height "A"
					制冷量 Cooling Capacity			COP		制冷量 Cooling Capacity			COP							
					W	Kcal/h	Btu/h	W/W	EER	W	Kcal/h	Btu/h	W/W	EER						
220-240V~50Hz/60Hz R134a LBP																				
L	LU70DZ1	7.0	ST	RSCR	200	172	682	1.56	5.32	150	129	513	1.21	4.14	4	INMETRO /CB/KC	PTC	Al	177	
L	LU88DZ	7.5	ST	RSCR	208	179	710	1.50	5.12	156	134	534	1.17	3.98	5	CCC/KC /CB	PTC	Cu	170	
L	LU88DZ1A	7.5	ST	RSCR	208	179	710	1.48	5.05	156	134	534	1.15	3.93	5	CB	PTC	Al	177	
K	KK325DZ1	9.6	F	RSCR	240	206	819	1.60	5.46	180	155	616	1.25	4.25	5	CCC/VDE	PTC	Al	189	
K	K390DZ1	11.4	F	CSIR	270	232	921	1.40	4.78	203	175	693	1.09	3.72	50	CCC/VDE /KC	CURRENT	Al	198	
115-127V~60Hz R134a L/MBP																				
D	D25XZ1	2.5	ST	RSIR	65	56	222	1.00	3.41	49	42	167	0.78	2.66		UL/INMETRO	PTC	Al	142	
D	D30XZ1	3.0	ST	RSIR	85	73	290	1.00	3.41	64	55	218	0.78	2.66			PTC	Al	147	
D	DK30XZ1	3.0	ST	RSCR	85	73	290	1.30	4.44	64	55	218	1.01	3.45	12		PTC	Al	147	
115-127V~60Hz R134a LBP																				
A	AG100XZ1	3.6	ST	RSCR	100	86	341	1.42	4.85	75	65	257	1.11	3.77	6	INMETRO	PTC	Al	157	
A	AG130XZ1	4.3	ST	RSCR	130	112	444	1.40	4.78	98	84	334	1.09	3.72	12	INMETRO	PTC	Al	157	
L	LK56XZ1	5.6	ST	RSCR	185	159	631	1.50	5.12	139	120	475	1.17	3.98	12		PTC	Al	177	
L	LM63XZ1	6.3	ST	ESCR	200	172	682	1.75	5.97	150	129	513	1.36	4.65	12	UL	EPTC	Al	177	
L	LJ63XZ	6.3	ST	ESCR	200	172	682	1.78	6.07	150	129	513	1.39	4.73	12	UL	EPTC	Cu	176	
L	LU66XZ1	6.6	ST	RSCR	210	181	717	1.56	5.32	158	136	539	1.21	4.14	12	UL	PTC	Al	177	
L	LU70XZ1	7.0	ST	RSCR	230	198	785	1.66	5.66	173	149	590	1.29	4.41	12	UL/INMETRO	PTC	Al	177	
K	KU325XZ1	9.6	F	RSCR	325	279	1109	1.55	5.29	244	210	834	1.21	4.12	12	CB	PTC	Al	189	
115V~60Hz R134a LBP																				
K	KU250BZ1	7.6	F	RSCR	250	215	853	1.58	5.39	188	162	641	1.23	4.20	12	UL	PTC	Al	189	
L	L86BZ1	8.6	ST	RSIR	265	228	904	1.30	4.44	199	171	680	1.01	3.45		UL	PTC	Al	177	
K	K390BZ1	11.4	F	CSIR	385	331	1314	1.30	4.44	289	249	988	1.01	3.45	150	UL	CURRENT	Al	189	
100V~50/60Hz R134a LBP																				
D	D25AZ1	2.5	ST	RSIR	55	47	188	0.80	2.73	41	36	141	0.62	2.12			PTC	Al	147	
S	S53AZ1	5.3	ST	RSIR	140	120	478	1.20	4.09	105	91	359	0.93	3.19			PTC	Al	162	
K	K390AZ	11.4	F	CSIR	325	279	1109	1.20	4.09	244	210	834	0.93	3.19	150		CURRENT	Cu	189	

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

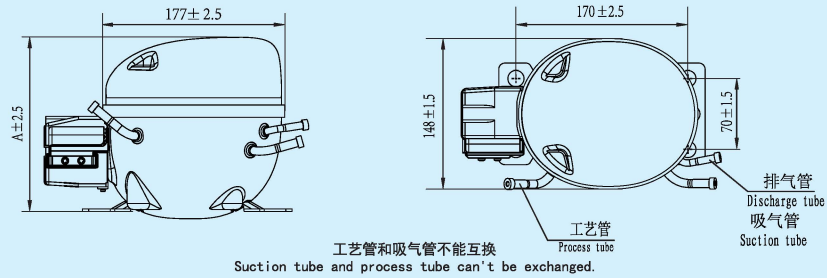
注: *表示开发中产品
 EPTC: 零功耗启动
 CURRENT: 电流式启动
 POTENTIAL: 电压式启动

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



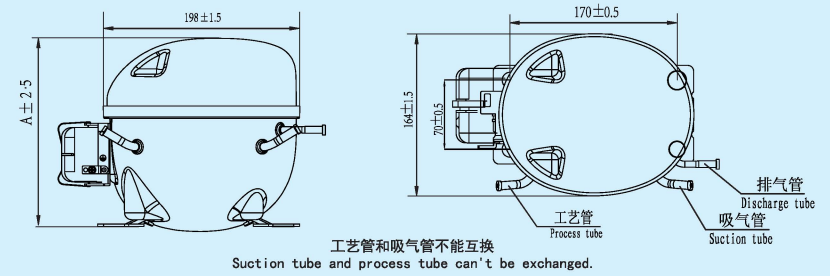
智能保鲜 高效低噪 以变制定 动力强劲
冰箱冷柜压缩机
 用心来研发 技术来引领

S系列 S Series



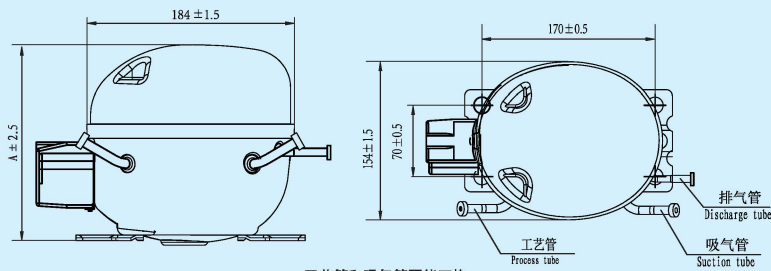
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

K系列 K Series



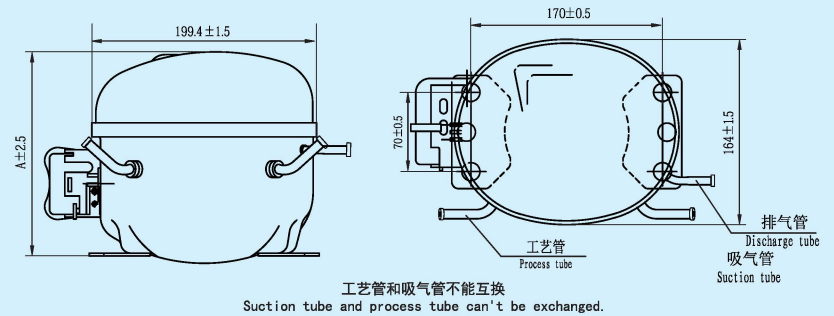
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

L系列 L Series



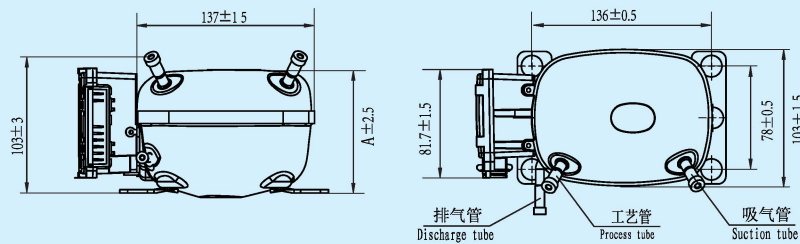
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

NE系列 NE Series



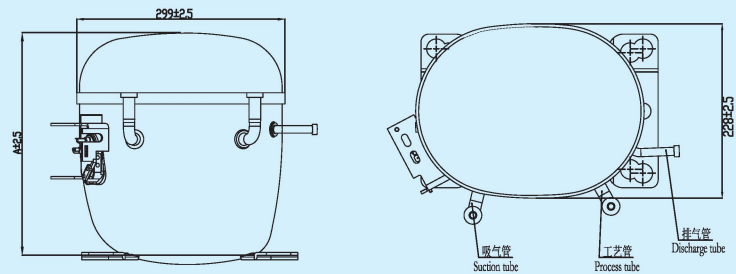
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

VC系列 VC Series



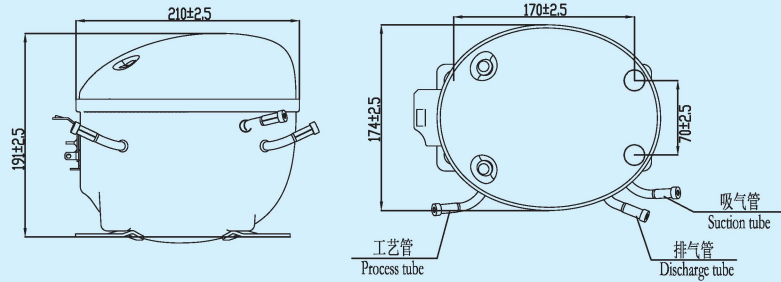
VC直流变频系列 VC Inverter Series
工艺管和吸气管不能互换
Suction tube and process tube can't be exchanged.

NV系列 NV Series



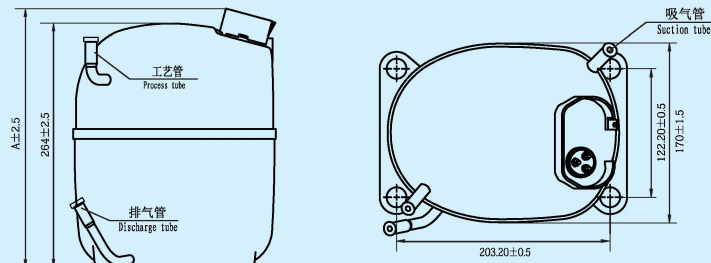
吸气管和工艺管可以互换
Suction tube and process tube can be exchanged

VK系列 VK Series



吸气管和工艺管不可以互换
Suction tube and process tube can not be exchanged

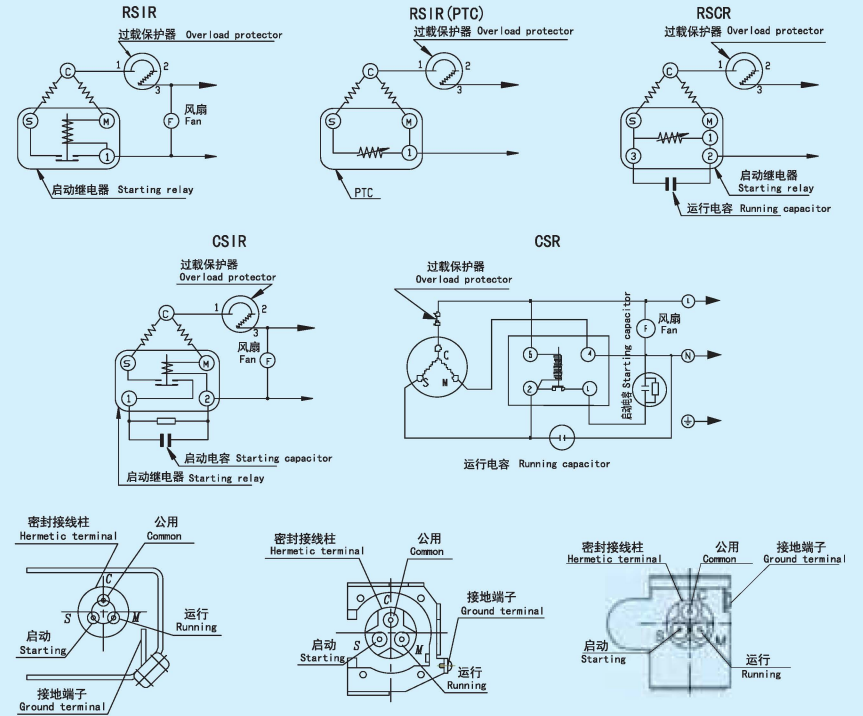
NCT系列 NCT Series



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

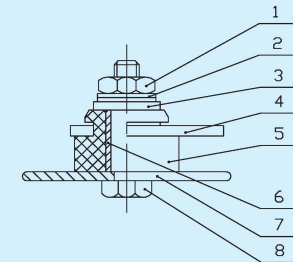
使用指南 USER'S GUIDE

一、产品电气接线图 Electrical Wiring Diagram

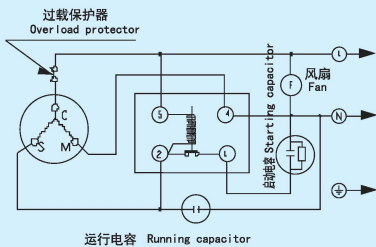
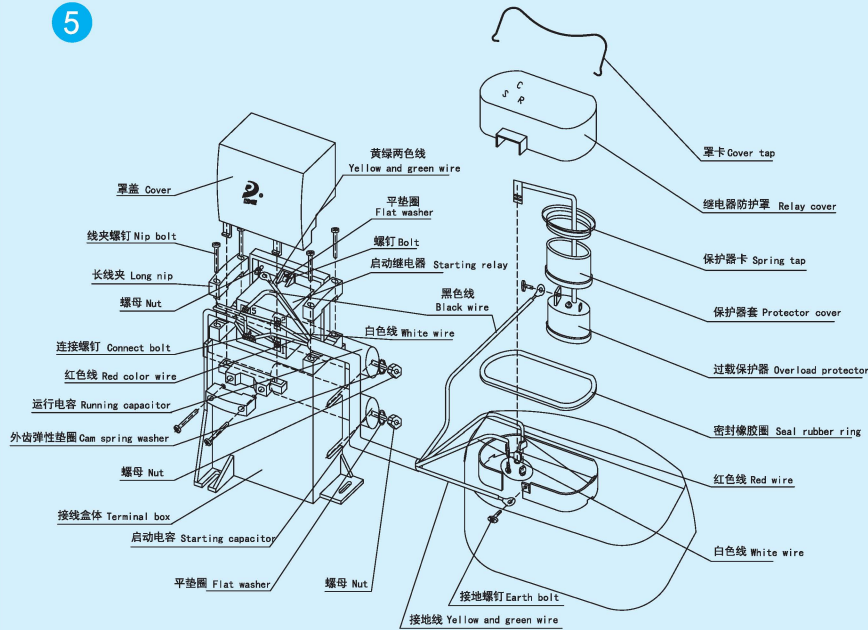


二、压缩机机脚与底板的安装 Fixing of mounting bracket and cabinet base

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



5

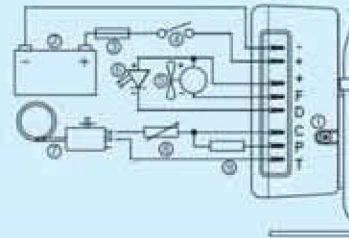


NCT系列

使用指南 USER'S GUIDE

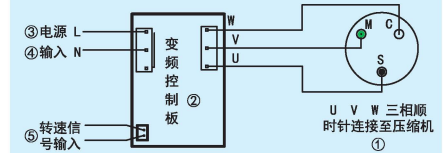
四、变频压缩机产品接线 Frequency Inverter compressor wiring diagrams

直流DC



- ①电子单元 electronic unit
- ②电池 battery
- ③保险丝 fuse
- ④主开关 (可选) master switch
- ⑤风扇 (可选) fan
- ⑥LED-发光二极管 (可选) LED
- ⑦恒温调节器 thermostat
- ⑧预设转速电阻 (可选) resistance
- ⑨预设电池保护电压电阻 (可选) resistance

交流AC



- ①三相顺时针连接至压缩机 The three phases are connected clockwise to the compressor
- ②变频控制板 VSC control board
- ③电源 power
- ④输入 input
- ⑤转速信号输入 rotating speed signal input

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.

使用指南 USER'S GUIDE

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.



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