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ZR/VR 系列柔性涡旋压缩机

R22 技术参数 Technical Data 50Hz

型 号 Model	额定功率 Power(HP)	排气量 Displacement(m³/h)	ARI工况 7.2/54.4℃		重量 Weight(kg)	高度 Height(mm) (包括减震垫)
			制冷量 Capacity(W)	输入功率 Input Power(W)		
单相(220V-240V)						
ZR28K3-PFJ	2.33	6.83	6900	2520	26	383
ZR34K3-PFJ	2.83	8.02	8200	2540	29	406
ZR34KH-PFJ	2.83	8.02	8200	2540	29	406
ZR36K3-PFJ	3.00	8.61	8900	2730	29	406
ZR36KH-PFJ	3.00	8.61	8900	2730	29	406
ZR42K3-PFJ	3.50	9.94	10250	3140	30	419
ZR47K3-PFJ	3.92	11.02	11550	3460	32	436
三相(380V-420V)						
ZR28K3-TFD	2.33	6.83	6900	2140	25	383
ZR34K3-TFD	2.83	8.02	8200	2500	28	406
ZR34KH-TFD	2.83	8.02	8200	2470	28	406
ZR36K3-TFD	3.00	8.61	8790	2680	29	406
ZR36KH-TFD	3.00	8.61	8900	2680	28	406
ZR42K3-TFD	3.50	9.94	10250	3100	28	419
ZR47KC-TFD	3.92	11.16	11550	3430	30	436
VR61KF-TFP-542	5.08	14.37	14900	4636	28.5	436
ZR61KC-TFD	5.08	14.37	14600	4430	37	457
ZR61KH-TFD	5.08	14.37	14972	4440	35.9	457
ZR68KC-TFD	5.57	16.18	16900	4950	39	457
ZR72KC-TFD	6.00	17.06	17700	5200	39	457
ZR81KC-TFD	6.75	19.24	19900	5800	40	462
VR94KS-TFP	8.00	22.14	23300	6750	57	497
VR108KS-TFP	9.00	25.68	26400	7500	63	552
VR125KS-TFP	10.00	28.81	31000	9000	63	552
VR144KS-TFP	12.00	33.22	35000	10100	63	552
VR160KS-TFP	13.00	36.37	38400	11400	65	572
VRI90KS-TFP	15.00	43.34	46300	13700	66	572
ZR250KC-TWD	20.00	56.57	60000	17700	142	736
ZR310KC-TWD	25.00	71.43	74000	22000	160	725
ZR380KC-TWD	30.00	87.50	92000	26900	176	725



ZB系列 Series

技术参数 Technical Data

型号 Model	ZB15KQ ZB15KQE	ZB19KQ ZB19KQE	ZB21KQ ZB21KQE	ZB26KQ ZB26KQE	ZB29KQ ZB29KQE	ZB38KQ ZB38KQE	ZB45KQ ZB45KQE
Motor type/电机类型	TFD PFJ	TFD PFJ	TFD PFJ	TFD PFJ	TFD PFJ	TFD	TFD
Power/名义功率 (马力)	2	2.5	3	3.5	4	5	6
Displacement(cm³)/排气量 (立方米/小时)	5.92	6.8	8.6	9.9	11.4	14.5	17.2
Starting current/启动电流 (LRA) (安培)							
TFD	24.5~26	30~32	36~40	41~46	50	58.6~65.5	67~74
PFJ	53~58	56~61	75~82	89~97	113		
额定负载电流 (RLA) (安培)							
TFD	4.30	4.30	5.70	7.10	7.9	8.90	11.50
PFJ	11.4	12.9	16.4	18.9	19.3		
最大工作电流 (MCC) (安培)							
TFD	6.0	6.0	8.0	10.0	11	12.5	16.1
PFJ	16	18	23	24	27		
Motor Run/运行电容 (单相选用)	40 μF/370V	40 μF/370V	50 μF/370V	60 μF/370V	60 μF/370V		
Crankcase heater Power/曲轴箱加热器功率 (瓦)	70	70	70	70	70	70	70
Size of connecting pipe/接管尺寸 (英寸)							
接气管接管外径	1/2	1/2	1/2	1/2	1/2	1/2	1/2
吸气管接管外径	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Dimensions/外型尺寸 (毫米)							
长 (L)							
宽 (W)	242	242	243	243	242	242	242
高 (H)	242	242	244	244	242	242	242
底脚安装尺寸 (孔径)	383	389	412	425	430	457	457
Foot bottom installation dimensions	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)
Fuel injection/油充注量 (升)	1.18	1.45	1.45	1.45	1.89	1.89	1.89
Weight(KG)/重量 (千克)							
Net W/净重	23	25	27	28	37	38	40
Gross W/毛重	26	29	30	31	40	41	44

型号 Model	ZB48KQ ZB48KQE	ZB58KQ ZB58KQE	ZB66KQ ZB66KQE	ZB76KQ ZB76KQE	ZB88KQ	ZB95KQ	ZB114KQ
Motor type/电机类型	TFD	TFD	TFD	TFD	TFD	TFD	TFD
Power/名义功率 (马力)	7	8	9	10	12	13	15
Displacement(cm³)/排气量 (立方米/小时)	18.8	22.1	25.7	28.8	33.2	36.4	43.4
Starting current/启动电流 (LRA) (安培)	101	86~95	100~111	110~118	110~118	140	174
额定负载电流 (RLA) (安培)	12.10	16.4	17.3	19.2	22.1	22.1	27.1
最大工作电流 (MCC) (安培)	17.0	23.0	24.2	26.9	31.0	31.0	39
Crankcase heater Power/曲轴箱加热器功率 (瓦)	70	90	90	90	90		
Size of connecting pipe/接管尺寸 (英寸)							
接气管接管外径	3/4	7/8	7/8	7/8	7/8	7/8	7/8
吸气管接管外径	7/8	11/8	13/8	13/8	13/8	13/8	13/8
Dimensions/外型尺寸 (毫米)							
长 (L)	242	263.6	263.6	263.6	263.6	264	264
宽 (W)	242	284.2	284.2	284.2	284.2	285	285
高 (H)	457	477	546.1	546.1	546.1	552	553
底脚安装尺寸 (孔径)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)	190X190(8.5)
Foot bottom installation dimensions							
Fuel injection/油充注量 (升)	1.80	2.51	3.25	3.25	3.25	3.30	3.30
Weight(KG)/重量 (千克)							
Net W/净重	40	59.87	60.33	65.32	65.32	65	66
Gross W/毛重	44						



全封闭活塞式压缩机 MT/Z中高温压缩机规格



额定性能
R22,R407C-50Hz

压缩机型号 Model	额定性能* MT-R22				额定性能** MT-R407C			
	制冷量 (W) Capacity	输入功率 (KW) Input Power	输入电流 (A) Input current	COP 性能系数 (W/W)	制冷量 (W) Capacity	输入功率 (KW) Input Power	输入电流 (A) Input current	COP 性能系数 (W/W)
MT/MTZ 18 JA	3881	1.45	2.73	2.68	3726	1.39	2.47	2.68
MT/MTZ 22 JC	5363	1.89	3.31	2.84	4777	1.81	3.31	2.64
MT/MTZ 28 JE	7378	2.55	4.56	2.89	6137	2.35	4.39	2.61
MT/MTZ 32 JF	8064	2.98	4.97	2.70	6941	2.67	5.03	2.60
MT/MTZ 36 JG	9272	3.37	5.77	2.75	7994	3.12	5.71	2.56
MT/MTZ 40 JH	10475	3.85	6.47	2.72	9128	3.61	6.45	2.53
MT/MTZ 44 HJ	11037	3.89	7.37	2.84	9867	3.63	6.49	2.72
MT/MTZ 50 HK	12324	4.32	8.46	2.85	11266	4.11	7.34	2.74
MT/MTZ 56 HL	13771	5.04	10.27	2.73	12944	4.69	8.36	2.76
MT/MTZ 64 HM	15820	5.66	9.54	2.79	14587	5.25	9.35	2.78
MT/MTZ 72 HN	17124	6.31	10.54	2.71	16380	5.97	10.48	2.74
MT/MTZ 80 HP	19534	7.13	11.58	2.74	18525	6.83	11.83	2.71
MT/MTZ 100 HS	23403	7.98	14.59	2.93	22111	7.85	13.58	2.82
MT/MTZ 125 HU	30429	10.66	17.37	2.85	29212	10.15	16.00	2.88
MT/MTZ 144 HV	34340	11.95	22.75	2.87	32934	11.57	18.46	2.85
MT/MTZ 160 HW	38273	13.39	22.16	2.86	37386	13.28	21.40	2.82
MTM/MTZ 200 HSS	46807	15.97	29.19	2.93	43780	15.54	26.90	2.82
MTM/MTZ 250 HUU	60858	21.33	34.75	2.85	57839	20.09	31.69	2.88
MTM/MTZ 288 HVV	68379	23.91	45.50	2.87	65225	22.92	36.56	2.85
MTM/MTZ 320 HWW	76547	26.79	44.32	2.86	74024	26.30	42.37	2.81

额定性能*高效率压缩机R22-50Hz

Model	Capacity/制冷量 (W)	Input Power 输入功率 (kW)	Input current/输入电流 (A)	COP 性能参数 (W/W)
MT 45 HJ	10786	3.62	6.86	2.98
MT 51 HK	12300	4.01	7.86	3.07
MT 57 HL	13711	4.54	9.24	3.02
MT 65 HM	15763	5.23	8.81	3.01
MT 73 HN	17863	5.98	9.99	2.99
MT 81 HP	20298	6.94	11.27	2.93

* R22的ARI额定工况: 蒸发温度7.2℃, 冷凝温度54.4℃, 过冷度8.3K, 过热度11.1K, 50Hz, 400V。

** R407C在露点的ARI额定工况: 蒸发温度7.2℃, 冷凝温度54℃, 过冷度83K, 过热度111K, 50Hz, 400V。

制冷量和输入功率数据±5%。



全封闭活塞式压缩机 MT/Z中高温压缩机规格

额定性能
R134a,R404A,R507-50Hz

压缩机型号 Model	额定性能* R134a				额定性能** R404a/R507			
	制冷量 (W) Capacity	输入功率 (KW) Input Power	输入电流 (A) Input current	COP 性能系数 (W/W)	制冷量 (W) Capacity	输入功率 (KW) Input Power	输入电流 (A) Input current	COP 性能系数 (W/W)
MT/MTZ 18 JA	2553	0.99	2.19	2.58	1865	1.20	2.47	1.56
MT/MTZ 22 JC	3352	1.20	2.51	2.80	2673	1.56	2.96	1.71
MT/MTZ 28 JE	4215	1.53	3.30	2.75	3343	1.95	3.80	1.72
MT/MTZ 32 JF	4951	1.87	3.94	2.65	3747	2.28	4.51	1.64
MT/MTZ 36 JG	6005	2.13	4.09	2.81	4371	2.66	4.91	1.64
MT/MTZ 40 JH	6398	2.33	4.89	2.74	4889	3.00	5.36	1.63
MT/MTZ 44 HJ	6867	2.52	5.65	2.72	5152	3.16	6.37	1.63
MT/MTZ 50 HK	8071	2.88	5.50	2.80	6152	3.61	6.53	1.70
MT/MTZ 56 HL	9069	3.21	5.83	2.82	7001	4.00	7.07	1.75
MT/MTZ 64 HM	10352	3.62	6.96	2.86	8132	4.54	8.30	1.79
MT/MTZ 72 HP	11853	4.01	7.20	2.96	9153	4.99	8.64	1.84
MT/MTZ 80 HP	13578	4.63	8.45	2.93	10524	5.84	10.12	1.80
MT/MTZ 100 HS	15529	5.28	10.24	2.94	12020	6.83	12.16	1.76
MT/MTZ 125 HU	19067	6.29	10.80	3.03	15714	8.53	13.85	1.84
MT/MTZ 144 HV	23620	7.83	13.78	3.02	18076	9.74	16.25	1.86
MT/MTZ 160 HW	25856	8.57	14.67	3.02	20253	11.00	17.94	1.84
MTM/MTZ 200 HSS	30756	10.45	20.28	2.94	23800	13.53	24.06	1.76
MTM/MTZ 250 HUU	37746	12.45	21.38	3.03	31121	16.88	27.43	1.84
MTM/MTZ 288 HVV	46773	15.49	27.29	3.02	35779	19.28	32.18	1.86
MTM/MTZ 320 HWW	51169	16.98	29.06	3.01	40093	21.76	35.51	1.84

* R134a的ARI额定工况: 蒸发温度7.2℃, 冷凝温度54.4℃, 过冷度8.3K, 过热度11.1K, 50Hz, 400V。

** R404a/R507 在露点的ARI额定工况: 蒸发温度-10℃, 冷凝温度45℃, 过冷度0K, 过热度10K, 50Hz, 400V。制冷量和输入功率数据±5%。

SM-SY-SZ涡旋压缩机



50Hz 参数

应用指南

技术参数

Model		名义冷量 60Hz	名义冷量/Capacity		输入功率 Input Power	COP	E.E.R.	排气容积 Displacement	排量c Displacement	油量 Injection flow	净重d Net.W
		TR	W	Btu/h	kW	W/W	Btu/h/W	cm3/rev	m³/h	dm³	kg
R22 单台	SM084	7	20 400	69600	6.12	3.33	11.4	114.5	19.92	3.3	64
	SM090	7.5	21800	74400	6.54	3.33	11.4	120.5	20.97	3.3	65
	SMI00	8	23100	79000	6.96	3.33	11.3	127.2	22.13	3.3	65
	SM110	9	25900	88600	7.82	3.32	11.3	144.2	25.09	3.3	73
	SMI12	9.5	27600	94400	7.92	3.49	11.9	151.5	26.36	3.3	64
	SMI15	9.5	28000	95600	8.31	3.37	11.5	155.0	26.97	3.8	78
	SM120	10	30100	102800	8.96	3.36	11.5	166.6	28.99	3.3	73
	SM124	10	31200	106300	8.75	3.56	12.2	169.5	29.5	3.3	64
	SM125	10	30100	102800	8.93	3.37	11.5	166.6	28.99	3.8	78
	SM147	12	36000	123000	10.08	3.58	12.2	193.5	33.7	3.3	67
	SM148	12	36100	123100	10.80	3.34	11.4	199.0	34.60	3.6	88
	SM160	13	39100	133500	11.60	3.37	11.5	216.6	37.69	4.0	90
	SM161	13	39000	133200	11.59	3.37	11.5	216.6	37.69	3.6	88
	SM175	14	42000	143400	12.46	3.37	11.5	233.0	40.54	6.2	100
	SM/SY185	15	45500	155300	13.62	3.34	11.4	249.9	43.48	6.2	100
R407C 单台	SY240	20	61200	208700	18.20	3.36	11.5	347.8	60.50	8.0	150
	SY300	25	78200	267000	22.83	3.43	11.7	437.5	76.10	8.0	157
	SY380	30	94500	322700	27.4	3.46	11.8	531.2	92.40	8.4	158
	SZ084	7	19300	66000	6.13	3.15	10.7	114.5	19.92	3.3	64
	SZ090	7.5	20400	69600	6.45	3.16	10.8	120.5	20.97	3.3	65
	SZ100	8	21600	73700	6.84	3.15	10.8	127.2	22.13	3.3	65
	SZ110	9	24600	84000	7.76	3.17	10.8	144.2	25.09	3.3	73
	SZ115	9.5	26900	91700	8.49	3.16	10.8	155.0	26.97	3.8	78
	SZ120	10	28600	97600	8.98	3.18	10.9	166.6	28.99	3.3	73
	SZ125	10	28600	97500	8.95	3.19	10.9	166.6	28.99	3.8	78
	SZ148	12	35100	119800	10.99	3.19	10.9	199.0	34.60	3.6	88
	SZ160	13	38600	131800	11.77	3.28	11.2	216.6	37.69	4.0	90
	SZ161	13	37900	129500	11.83	3.21	10.9	216.6	37.69	3.6	88
	SZ175	14	40100	136900	12.67	3.17	10.8	233.0	40.54	6.2	100
	SZ185	15	43100	147100	13.62	3.16	10.8	249.9	43.48	6.2	100
SZ240	20	59100	201800	18.60	3.18	10.9	347.8	60.50	8.0	150	
SZ300	25	72800	248300	22.70	3.20	10.9	437.5	76.10	8.0	157	
SZ380	30	89600	305900	27.60	3.25	11.1	531.2	92.40	8.4	158	

TR = 冷吨
COP = 性能系数
EER = 能效比

c 排气量在额定转速:2900rpm,50Hz;3500rpm,60Hz
d 含润滑油净重

SM-SY-SZ涡旋压缩机



60Hz 参数

应用指南

技术参数

Model		名义冷量 60Hz	名义冷量/Capacity		输入功率 Input Power	COP	E.E.R.	排气容积 Displacement	排量c Displacement	油量 Injection flow	净重d Net.W
		TR	W	Btu/h	kW	W/W	Btu/h/W	cm3/rev	m³/h	dm³	kg
R22 单台	SM084	7	24600	84000	7.38	3.34	11.4	114.5	24.05	3.3	64
	SM090	7.5	26400	90000	7.82	3.37	11.5	120.5	25.31	3.3	65
	SM100	8	27500	94000	8.14	3.38	11.5	127.2	26.71	3.3	65
	SM110	9	31600	107800	9.35	3.38	11.5	144.2	30.28	3.3	73
	SM112	9.5	34000	116100	9.62	3.53	12.05	151.5	31.82	3.3	64
	SM115	9.5	33700	115200	10.08	3.35	11.4	155.0	32.55	3.8	78
	SM120	10	36700	125300	10.80	3.40	11.6	166.6	34.99	3.3	73
	SM124	10.5	37700	128800	10.59	3.56	12.2	169.5	35.60	3.3	64
	SM125	10	37000	126400	10.99	3.37	11.5	166.6	34.99	3.8	78
	SM147	12	43600	148600	12.18	3.58	12.2	193.5	40.64	3.3	67
	SM148	12	43800	149500	13.01	3.37	11.5	199.0	41.80	3.6	88
	SM160	13	47700	163000	14.22	3.36	11.5	216.6	45.49	4.0	90
	SM161	13	47600	162600	14.07	3.39	11.5	216.6	45.49	3.6	88
	SM175	14	51100	174300	15.27	3.34	11.4	233.0	48.93	6.2	100
	SM/SY185	15	54300	185400	16.22	3.35	11.4	249.9	52.48	6.2	100
	SY240	20	74100	252700	22.10	3.35	11.4	347.8	73.00	8.0	150
SY300	25	94500	322500	27.50	3.43	11.7	437.5	91.90	8.0	157	
R407C 单台	SZ084	7	22500	76900	7.06	3.19	10.9	114.5	24.05	3.3	64
	SZ090	7.5	24400	83300	7.63	3.20	10.9	120.5	25.31	3.3	65
	SZ100	5	26500	90500	8.18	3.24	11.0	127.2	26.71	3.3	65
	SZ110	9	30100	102800	9.29	3.24	11.1	144.2	30.28	3.3	73
	SZ115	9.5	32800	112000	10.22	3.21	10.9	155.0	32.55	3.8	78
	SZ120	10	34800	118900	10.75	3.24	11.1	166.6	34.99	3.3	73
	SZ125	10	34900	119200	10.89	3.21	10.9	166.6	34.99	3.8	78
	SZ148	12	42600	145400	13.35	3.19	10.9	199.0	41.80	3.6	88
	SZ160	13	45500	155400	14.08	3.23	11.0	216.6	45.49	4.0	90
	SZ161	13	46000	156900	14.32	3.21	10.9	216.6	45.49	3.6	88
	SZ175	14	48700	166200	15.28	3.19	10.9	233.0	48.93	6.2	100
	SZ185	15	51800	176800	16.43	3.15	10.7	249.9	52.48	6.2	100
	SZ240	20	71100	242800	22.70	3.14	10.7	347.8	73.00	8.0	150
	SZ300	25	87900	300000	27.49	3.20	10.9	437.5	91.90	8.0	157
	SZ380	30	107400	366400	33.50	3.20	11.0	531.2	111.60	8.4	158

TR = 冷吨
COP = 性能系数
EER = 能效比

c 排气量在额定转速:2900rpm,50Hz;3500rpm,60Hz
d 含润滑油净重

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美优乐压缩机系列 MANEUROP SERIES COMPRESSOR(MT,MTZ,SM-SY-SZ,DANFOSS)

美优乐压缩机系列 MANEUROP SERIES COMPRESSOR(MT,MTZ,SM-SY-SZ,DANFOSS)

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新型涡旋压缩机

50Hz参数

应用指南

技术参数

Model		名义冷量 60Hz	名义冷量/Capacity		输入功率 Input Power	最大额定电流 maximum rated current	COP/能效比		排量 Displacement	排量 Displacement	油量 Injection flow	净重 Net.W
		TR	W	Btu/h	kW	MCC	COP W/W	EER Btu/h/W	cm³/rev	m³/h	dm³	kg
R22	HRM032U4	2.7	7850	26790	2.55	9.5	3.08	10.5	43.6	7.60	1.06	31
	HRM034U4	2.8	8350	28490	2.66	9.5	3.14	10.7	46.2	8.03	1.06	31
	HRM038U4	3.2	9240	31520	2.94	10.0	3.14	10.7	46.2	8.03	1.06	31
	HRM040U4	3.3	9710	33120	2.98	10.0	3.26	11.1	54.4	9.47	1.06	31
	HRM042U4	3.5	10190	34770	3.13	11.0	3.26	11.1	57.2	9.95	1.06	31
	HRM045U4	3.8	10940	37310	3.45	12.0	3.17	10.8	61.5	10.69	1.33	31
	HRM047U4	3.9	11500	39250	3.57	12.0	3.23	11.0	64.1	11.15	1.33	31
	HRM048U4	4.0	11510	39270	3.57	12.5	3.23	11.0	64.4	11.21	1.57	37
	HRM051T4	4.3	12390	42280	3.67	13.0	3.37	11.5	68.8	11.98	1.57	37
	HRM051U4	4.3	12800	43690	3.83	13.0	3.34	11.4	68.8	11.98	1.57	37
	HRM054U4	4.5	13390	45680	3.97	13.1	3.37	11.5	72.9	12.69	1.57	37
	HRM058U4	4.8	14340	48930	4.25	15.0	3.37	11.5	78.2	13.60	1.57	37
	HRM060T4	5.0	14570	49720	4.28	15.0	3.40	11.6	81.0	14.09	1.57	37
	HRM060U4	5.0	14820	50580	4.40	15.0	3.37	11.5	81.0	14.09	1.57	37
	HLM068T4	5.7	16880	57580	5.00	15.0	3.37	11.5	93.1	16.20	1.57	37
	HLM072T4	6.0	17840	60870	5.29	15.0	3.37	11.5	98.7	17.20	1.57	37
	HLM075T4	6.3	18430	62880	5.37	16.0	3.43	11.7	102.8	17.88	1.57	37
	HLM081T4	6.8	19890	67880	5.80	17.0	3.43	11.7	110.9	19.30	1.57	37
	HCM094T4	7.8	23060	78670	6.80	21.0	3.39	11.6	126.0	21.93	2.66	44
	HCM109T4	9.1	26690	91070	7.77	24.0	3.43	11.7	148.8	25.89	2.66	44
	HCM120T4	10.0	29130	99390	8.51	25.0	3.42	11.7	162.4	28.26	2.66	44
R407C	HRP034T4	2.8	7940	27080	2.68	9.5	2.96	10.1	46.2	8.00	1.06	31
	HRP038T4	3.2	8840	30150	2.82	11.0	3.14	10.7	51.6	8.98	1.06	31
	HRP040T4	3.3	9110	31080	3.14	11.5	2.90	9.9	54.4	9.47	1.06	31
	HRP042T4	3.5	9580	32680	3.30	10.0	2.90	9.9	57.2	9.95	1.06	31
	HRP045T4	3.8	10810	36890	3.58	12.0	3.02	10.3	61.5	10.69	1.33	31
	HRP047T4	3.9	11130	37980	3.69	12.0	3.02	10.3	64.1	11.15	1.33	31
	HRP048T4	4.0	11100	37880	3.35	12.0	3.31	11.3	64.4	11.21	1.57	37
	HRP051T4	4.3	12120	41370	3.83	13.0	3.17	10.8	68.8	11.98	1.57	37
	HRP054T4	4.5	12570	42880	3.97	12.5	3.17	10.8	72.8	12.66	1.57	37
	HRP058T4	4.8	13470	45970	4.25	14.0	3.17	10.8	78.2	13.60	1.57	37
	HRP060T4	5.0	13860	47280	4.26	15.0	3.25	11.1	81.0	14.09	1.57	37
	HLP068T4	5.7	15700	53560	5.10	15.0	3.08	10.5	93.1	16.20	1.57	37
	HLP072T4	6.0	16810	57350	5.16	15.0	3.26	11.1	98.7	17.17	1.57	37
	HLP075T4	6.3	18040	61550	5.54	16.0	3.26	11.1	102.8	17.88	1.57	37
	HLP081T4	6.8	18600	63470	5.66	17.0	3.28	11.2	110.9	19.30	1.57	37
	HCP094T4	7.8	21590	73660	6.63	21.0	3.26	11.1	126.0	21.93	2.66	44
R410A	HCP109T4	9.1	25070	85550	7.77	24.0	3.23	11.0	148.8	25.89	2.66	44
	HCP120T4	10.0	27370	93400	8.47	25.0	3.23	11.0	162.4	28.26	2.66	44
	HRH029U4	2.4	7120	24310	2.43	10.0	2.93	10.0	27.8	4.84	1.06	31
	HRH031U4	2.6	7530	25710	2.67	10.0	2.82	9.62	29.8	5.19	1.06	31
	HRH032U4	2.7	7670	26170	2.75	10.0	2.79	9.51	30.6	5.33	1.06	31
	HRH034U4	2.8	8500	29000	2.90	10.0	2.93	10.0	33.3	5.75	1.06	31
	HRH036U4	3.0	8820	30110	3.13	10.0	2.82	9.62	34.7	6.04	1.06	31
	HRH038U4	3.2	9250	31560	3.35	12.0	2.76	9.41	36.5	6.36	1.06	32
	HRH040U4	3.3	10200	34810	3.58	12.0	2.85	9.72	39.6	6.90	1.33	32
	HRH041U4	3.3	10050	34300	3.43	12.5	2.93	10.00	39.3	6.80	1.57	37
	HRH044U4	3.7	10830	36940	3.92	13.5	2.76	9.41	42.6	7.41	1.57	37
	HRH049U4	4.1	12110	41320	4.04	13.5	2.99	10.22	47.4	8.24	1.57	37
	HRH051U4	4.3	12860	43890	4.21	13.0	3.05	10.42	49.3	8.58	1.57	37
	HRH054U4	4.5	13340	45510	4.41	15.0	3.02	10.32	52.1	9.07	1.57	37
	HRH056U4	4.7	13830	47200	4.58	15.0	3.02	10.31	54.1	9.42	1.57	37
	HLH061T4	5.1	15210	51880	4.89	15.0	3.11	10.61	57.8	10.10	1.57	37
	HLH068T4	5.7	16880	57610	5.26	19.0	3.21	10.96	64.4	11.21	1.57	37
	HLJ072T4	6.0	17840	60900	5.56	19.0	3.21	11.0	68.0	11.82	1.57	37
	HLJ075T4	6.3	18600	63490	5.77	18.0	3.22	11.0	70.8	12.32	1.57	37
HLJ083T4	6.9	20420	69690	6.28	19.0	3.25	11.1	78.1	13.59	1.57	37	
HCJ090T4	7.5	22320	76190	7.19	19.0	3.11	10.6	86.9	15.11	2.66	44	
HCJ1051-4	8.8	26100	89090	8.25	25.0	3.16	10.8	101.6	17.68	2.66	44	
HCJ120T4	10.0	29610	101080	9.53	27.0	3.11	10.6	116.4	20.24	2.66	44	

TR = 冷吨
COP: 性能系数
EER:能效比
*: ARI标准测试工况,
400v/3~/50Hz
数据如有变化, 恕不另行通知。
欲知详细参数, 请访问在线计算软件 www.danfoss.com/odsg

蒸发温度: 7.2℃
冷凝温度: 54.4℃
过热: 11.1K
过冷: 8.3K



MLM/MLZ 系列

新型涡旋压缩机

压缩机型号 Model	HP	电源描述 Voltage
MLM019T5LP9	2.5	220-240V-1-50Hz
MLM021T5LP9	3	220-240V-1-50Hz
MLM026T5LP9	3.5	220-240V-1-50Hz
MLM015T4LP9	2	380-415V-3-50Hz&460V-3-60Hz
MLM019T4LP9	2.5	380-415V-3-50Hz&460V-3-60Hz
MLM021T4LP9	3	380-415V-3-50Hz&460V-3-60Hz
MLM026T4LP9	3.5	380-415V-3-50Hz&460V-3-60Hz
MLM030T4LC9	4	380-415V-3-50Hz&460V-3-60Hz
MLM038T4LC9	5	380-415V-3-50Hz&460V-3-60Hz
MLM045T4LC9	6	380-415V-3-50Hz&460V-3-60Hz
MLM048T4LC9	7	380-415V-3-50Hz&460V-3-60Hz
MLM058T4LC9	7.5	380-415V-3-50Hz&460V-3-60Hz
MLM066T4LC9	9	380-415V-3-50Hz&460V-3-60Hz
MLM076T4LC9	10	380-415V-3-50Hz&460V-3-60Hz

*MLM系列通用滑油为AB烷基苯油, 制冷剂为R22, 包装规格为工业包装(12台/托)带安装附件

压缩机型号 Model	HP	电源描述 Voltage
MLZ019T5LP9	2.5	220-240V-1-50Hz
MLZ021T5LP9	3	220-240V-1-50Hz
MLZ026T5LP9	3.5	220-240V-1-50Hz
MLZ015T4LP9	2	380-415V-3-50Hz&460V-3-60Hz
MLZ019T4LP9	2.5	380-415V-3-50Hz&460V-3-60Hz
MLZ021T4LP9	3	380-415V-3-50Hz&460V-3-60Hz
MLZ026T4LP9	3.5	380-415V-3-50Hz&460V-3-60Hz
MLZ030T4LC9	4	380-415V-3-50Hz&460V-3-60Hz
MLZ038T4LC9	5	380-415V-3-50Hz&460V-3-60Hz
MLZ045T4LC9	6	380-415V-3-50Hz&460V-3-60Hz
MLZ048T4LC9	7	380-415V-3-50Hz&460V-3-60Hz
MLZ058T4LC9	7.5	380-415V-3-50Hz&460V-3-60Hz
MLZ066T4LC9	9	380-415V-3-50Hz&460V-3-60Hz
MLZ076T4LC9	10	380-415V-3-50Hz&460V-3-60Hz

*MLM系列通用滑油为PVE醚类油, 制冷剂R404A/R134A/R507/R22,
包装规格为工业包装(12台/托)带安装附件

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泰康(法国)压缩机系列 TECUMSEH SERIES COMPRESSOR

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CAJ/TAJ Models



TAG Models

MEDIUM / HIGH BACK PRESSURE COMPRESSORS ★ (R404A冷媒)★ 中/高回壓壓縮機

COMPRESSORS MODELS 壓縮機 型號	Nominal Power(H.P.) Refrigerant						REFRIGERATION CAPACITY AT 50 Hz Rated @ 54.5 °C/130°F Cond. Temp (Watts) 2 50Hz制冷量，測試標準在 54.5°C/130°F 冷凝溫度下 Evaporating Temperature 蒸發溫度 -25°C -15°C -10°C 0°C +7.2°C +15°C -13°F +5°F +14°F +32°F +45°F +59°F						VOLTAGE 電 壓 ③
	名 義 馬 力 (匹)	制 冷 劑	Displacement (cm ³)		裝 油 量	Oil charge (cm ³)							
			氣 缸 排 氣 量	膨 脹 裝 置		Cooling ① 冷 卻 法							
R404A 新制冷劑													
AEZ 4425Z	1/5	R404A	4.50	450	C,V	F	142 ^⑤	198	263	432	587	787	208-220V/1/50Hz
AEZ 3430Z	1/4	R404A	5.70	450	C	F	192 ^⑤	258	346	550	741	1010	220-240V/1/50Hz
AEZ 4430Z	1/4	R404A	5.70	450	C,V	F	192 ^⑤	258	346	550	741	1010	208-220V/1/50Hz
AEZ 3440Z	1/3	R404A	7.55	450	C	F	287 ^⑤	357	462	743	1004	1342	208-220V/1/50Hz
AEZ 4440Z	1/3	R404A	7.55	450	C,V	F	287 ^⑤	357	462	743	1004	1342	208-220V/1/50Hz
AEZ 9440Z	1/3	R404A	7.55	450	C,V	F/RH	214 ^⑤	357	462	743	1004	1342	220-240V/1/50Hz
AE 3450Z	3/7	R404A	9.40	450	C	F	355 ^⑤	434	567	927	1270	1729	220-240V/1/50Hz
CAE 4450Z	3/7	R404A	9.40	450	C,V	F	355 ^⑤	434	567	927	1270	1729	208-220V/1/50Hz
CAE 9450Z	3/7	R404A	9.40	450	C,V	F	250	434	567	927	1270	1729	208-220V/1/50Hz
CAE 9460Z	1/2	R404A	11.30	450	C,V	F	297	546	711	1141	1545	2086	208-220V/1/50Hz
CAE 9470Z	9/16	R404A	13.30	450	C,V	F	383	669	869	1392	1878	2514	208-220V/1/50Hz
CAJ 9480Z TAJ 9480Z	5/8	R404A	15.20	887	C,V	F	393	774	1009	1607	2172	2943	208-220V/1/50Hz 400V/3/50Hz
CAJ 9510Z TAJ 9510Z	1	R404A	18.30	887	C,V	F	527	970	1252	1972	2650	3563	208-220V/1/50Hz 400V/3/50Hz
CAJ 9513Z TAJ 9513Z	1-1/8	R404A	24.20	887	C,V	F	497	1114	1501	2485	3406	4646	208-220V/1/50Hz 400V/3/50Hz
CAJ 4517Z TAJ 4517Z	1-1/4	R404A	25.95	887	C,V	F	1072 ^⑤	1364	1776	2857	3860	5173	208-220V/1/50Hz 400V/3/50Hz
CAJ 4519Z TAJ 4519Z	1-3/4	R404A	34.45	887	C,V	F	1260 ^⑤	1769	2353	3756	5030	6735	208-220V/1/50Hz 400V/3/50Hz
FH 4522Z TFH 4522Z	2	R404A	39.95	1480	C,V	F	966 ^⑤	1541	2240	3947	5475	7459	208-220V/1/50Hz 400V/3/50Hz
FH 4524Z TFH 4524Z	2	R404A	43.50	1480	C,V	F	1379 ^⑤	1835	2570	4361	5977	8101	208-220V/1/50Hz 400V/3/50Hz
FH 4531Z TFH 4531Z	2-3/4	R404A	56.65	1480	C,V	F	1623 ^⑤	2382	3300	5706	7782	10222	208-220V/1/50Hz 400V/3/50Hz
FH 4540Z TFH 4540Z	3-1/2	R404A	74.25	1480	C,V	F	3078 ^⑤	3388	4425	7276	9814	13056	208-220V/1/50Hz 400V/3/50Hz
TAG 4546Z	4	R404A	90.20	1960	C,V	F	1438 ^⑤	2806	4292	7956	11297	15719	400V / 3 / 50Hz
TAG 4553Z	4-1/2	R404A	100.70	1960	C,V	F	2774 ^⑤	3461	4922	8958	12805	17880	400V / 3 / 50Hz
TAG 4561Z	5	R404A	112.50	1960	C,V	F	3965 ^⑤	4363	5895	10452	14772	20227	400V / 3 / 50Hz
TAG 4568Z	6	R404A	124.40	1960	C,V	F	5146 ^⑤	5322	7077	11973	16636	22760	400V / 3 / 50Hz
TAG 4573Z	6	R404A	134.80	1960	C,V	F	5453 ^⑤	5788	7710	13123	18228	24806	400V / 3 / 50Hz
TAGD 4590Z	7-1/2	R404A	180.40	3920	C,V	F	2876 ^⑤	5612	8584	15912	22594	31438	400V / 3 / 50Hz
TAGD 4610Z	9	R404A	201.40	3920	C,V	F	5548 ^⑤	6922	9844	17916	25610	35760	400V / 3 / 50Hz
TAGD 4512Z	10	R404A	225.00	3920	C,V	F	7930 ^⑤	8726	11790	20904	29544	40454	400V / 3 / 50Hz
TAGD 4514Z	12	R404A	248.80	3920	C,V	F	10292 ^⑤	10644	14154	23946	33272	45520	400V / 3 / 50Hz

AIR-CONDITIONING COMPRESSORS ★ ★ ★

空 調 用 壓 縮 機

COMPRESSORS MODELS 壓縮機 型號		Refrigerant					REFRIGERATION CAPACITY AT 50 Hz						VOLTAGE 電 壓 ③
		Displacement (cm ³)					Rated @54.5°C/130°F Cond. Temp.(Watts)②						
		Oil charge (cm ³)					50Hz制冷量，测试标准在						
		Expansion device					54.5°C/130°F 冷凝温度下						
制 冷 劑	氣 缸 排 氣 量	裝 油 量	① 膨 脹 裝 置		① Cooling 冷 卻 法	Evaporating Temperature 蒸發溫度							
						-10°C	- 5°C	0°C	+7.2°C	+10°C	+ 15°C		
						+ 14°F	+ 23°F	+ 32°F	+ 45°F	+50°F	+ 59°F		

R22 制冷劑													
AJ 5510F	22	18.6	887	C	F	920	1300	1730	2443	2760	3399	208-220V / 1 / 50Hz	
AJ 5512E	22	21.8	887	C	F	1250	1670	2130	2904	3250	3898	208-220V / 1 / 50Hz	
AJ 5513E	22	24.2	887	C	F	1460	1910	2385	3203	3580	4263	208-220V / 1 / 50Hz	
AJ 5515E	22	26	887	C	F	1680	2170	2720	3632	4020	4770	208-220V / 1 / 50Hz	
TAJ 5515E	22	26	887	C,V	F	1680	2170	2720	3632	4020	4770	400V / 3 / 50Hz	
AJ 5518E	22	32.7	887	C	F	2210	2760	3435	4572	5050	6007	208-220V / 1 / 50Hz	
AJ 5519E	22	34.5	887	C	F	2320	2880	3590	4785	5300	6327	208-220V / 1 / 50Hz	
TAJ 5519E	22	34.5	887	C,V	F	2320	2880	3590	4785	5300	6327	400V / 3 / 50Hz	

FH 5522F	22	40.8	1330	C	F	2298	3059	3955	5483	6153		208-220V / 1 / 50Hz	
TFH 5522F	22	40.8	1330	C,V	F	2298	3059	3955	5483	6153		400V / 3 / 50Hz	
FH 5524F	22	43.9	1330	C	F	2484	3309	4279	5929	6652		208-220V / 1 / 50Hz	
TFH 5524F	22	43.9	1330	C,V	F	2484	3309	4279	5929	6652		400V / 3 / 50Hz	
FH 5528F	22	49.0	1330	C	F	2914	3852	4950	6811	7625		208-220V / 1 / 50Hz	
TFH 5528F	22	49.0	1330	C,V	F	2914	3852	4950	6811	7625		400V / 3 / 50Hz	
FH 5532F	22	53.1	1625	C	F	3303	4327	5540	7619	8534		208-220V / 1 / 50Hz	
TFH 5532F	22	53.1	1625	C,V	F	3303	4327	5540	7619	8534		400V / 3 / 50Hz	
FH 5538F	22	67.5	1625	C	F	4146	5384	6848	9353	10454		208-220V / 1 / 50Hz	
TFH 5538F	22	67.5	1625	C,V	F	4146	5384	6848	9353	10454		400V / 3 / 50Hz	
FH 5542F	22	74.2	1625	C	F	4343	5645	7215	9951	11166		220-240V / 1 / 50Hz	
TFH 5542F	22	74.2	1625	C,V	F	4343	5645	7215	9951	11166		400V / 3 / 50Hz	

TAG 5546E	22	90.2	1960	C,V	F	4368	5934	7839	11253	12815	15961	400V / 3 / 50Hz	
TAG 5553E	22	101	1960	C,V	F	5306	7022	9105	12922	14713	18406	400V / 3 / 50Hz	
TAG 5561E	22	113	1960	C,V	F	6133	8164	10593	14870	16802	20658	400V / 3 / 50Hz	
TAG 5568E	22	124	1960	C,V	F	6967	9180	11862	16676	18887	23359	400V / 3 / 50Hz	
TAG 5573E	22	135	1960	C,V	F	7501	9804	12632	17816	20238	25204	400V / 3 / 50Hz	

NOTES
說明

- ① C - 毛細管 ② V - 膨脹閥 N - 自然空氣流動 F - 風扇冷卻 RH - 配油冷卻器
Capillary Tube Expansion Valve Natural Air Flow Fan Cooled Oil Cooled
- ② For the conversion of the refrigeration capacity from Watts at 50 Hz to : 制冷量的換算:
- BTU/ hr at 50 Hz, use multiplying factor 3.44 BTU/ 小時 = Watt x 3.44
- KCal/hr at 50 Hz, use multiplying factor 0.86 大卡/ 小時 = Watt x 0.86
- To obtain a refrigeration capacity at 60 Hz, multiply its values at 50 Hz by 1.2 60Hz 制冷量 = 50Hz x 1.2
- ③ Other voltages available upon request, please contact our sales representative for details.
如有需要，可代訂其他電壓型號，詳情請與本公司聯絡

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泰康(法国)压缩机系列 TECUMSEH SERIES COMPRESSOR

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MEDIUM / HIGH BACK PRESSURE COMPRESSORS ★ ★ ★ 中/高回壓壓縮機



LOW BACK PRESSURE COMPRESSORS ★ ★ ★ 低回壓壓縮機

COMPRESSORS MODELS 壓縮機 型號		Nominal Power(H.P.)						REFRIGERATION CAPACITY AT 50 Hz Rated @ 54.5°C/130°F Cond. Temp.(Watts) ②								VOLTAGE 電 壓 ③
		Refrigerant		Displacement (cm ³)		Oil charge (cm ³)		50Hz制冷量，測試標準在 54.5°C/130°F 冷凝溫度下								
名義馬力 (匹)	制 冷 劑	氣缸排氣量	裝油 量	Expansion device		Evaporating Temperature 蒸發溫度										
				① 膨脹裝置	Cooling ① 卻法	-45°C -40°C -35°C -30°C -23.3°C -20°C -10°C -49°F -40°F -31°F -22°F -10.0°F -4°F +14°F										
R404A新制冷劑																
CAE 2417Z	7/16	404A	11.3	450	C,V	F	37.8 ^⑤	62	161	276	454	551	890	208/240V / 1 / 50Hz		
CAE 2420Z	1/2	404A	12.54	450	C,V	F	194 ^⑤	179	167	377	560	665	1044	220-240V / 1 / 50Hz		
CAE 2424Z	5/8	404A	15	450	C,V	F	228 ^⑤	180	291	430	657	787	1252	220-240V / 1 / 50Hz		
CAJ 2432Z	3/4	404A	18.3	887	C,V	F	331 ^⑤	265 ^④	318	510	792	950	1560	220-240V / 1 / 50Hz		
CAJ 2446Z TAJ 2446Z	1	404A	26.15	887	C,V	F	702 ^⑤	575 ^④	549	797	1194	1423	2290	208-220V / 1 / 50Hz 400V / 3 / 50Hz		
CAJ 2464Z TAJ 2464Z	1-1/2	404A	34.45	887	C,V	F	805 ^⑤	626 ^④	723	1076	1605	1902	3012	208-220V / 1 / 50Hz 400V / 3 / 50Hz		
FH 2480Z TFH 2480Z	2	404A	53.2	1625	C,V	F	292 ^⑤	420 ^④	738	1319	2183	2662	4419	208-220V / 1 / 50Hz 400V / 3 / 50Hz		
FH 2511Z TFH 2511Z	3	404A	74.25	1625	C,V	F	1561 ^⑤	1203 ^④	1380	2016	3135	3796	6222	208-220V / 1 / 50Hz 400V / 3 / 50Hz		
TAG 2516Z	4	404A	112.5	1960	C,V	F	1696 ^⑤	1407 ^④	1743	2704	4356	5335	9038	400V / 3 / 50 Hz		
TAG 2522Z	6	404A	134.8	1960	C,V	F	2541 ^⑤	2012 ^④	2378	3542	5522	6688	11062	400V / 3 / 50 Hz		
TAGD 2532Z	8	404A	225	3920	C,V	F	3392 ^⑤	2814 ^④	3486	5409	8712	10671	18076	400V / 3 / 50 Hz		
TAGD 2544Z	12	404A	269.6	3920	C,V	F	5082 ^⑤	4024 ^④	4756	7084	11044	13376	22125	400V / 3 / 50 Hz		

SE 低噪音和高效率系列

MEDIUM/HIGH BACK PRESSURE COMPRESSORS ★ (R134a 冷媒) ★ 中/高回壓壓縮機

COMPRESSORS MODELS 壓縮機 型號	Nominal Power(H.P.) Refrigerant						REFRIGERATION CAPACITY AT 50 Hz ated @54.5°C/130°F Cond. Temp.(Watts)② 50Hz制冷量，測試標準在 54.5°C/130°F 冷凝溫度下								VOLTAGE 電壓 ③
	名義馬力 (匹)	制劑	氣缸排氣量	裝油 量	Expansion device		Evaporating Temperature 蒸發溫度								
					① 膨脹裝置	Cooling ① 卻法									
							Displacement (cm ³) Oil charge (cm ³)								
⑤	-25°C	-15°C	-10°C	-5°C	-0°C	+7.2°C	+15°C	⑥	-13°F	-5°F	+14°F	+23°F	+32°F	+45°F	+59°F
AEZ 3425Y	1/ 5	134a	7.55	450	C	F	116	185	260	350	455	635	866	208-220V / 1 / 50Hz	
AEZ 4425Y	1/ 5	134a	7.55	450	C,V	F	116	185	260	350	455	635	866	220-240V / 1 / 50Hz	
AEZ 3430Y	1/ 4	134a	8.85	450	C	F	195	245	328	432	558	777	1065	220-240V / 1 / 50Hz	
AEZ 4430Y	1/ 4	134a	8.85	450	C,V	F	195	245	328	432	558	777	1065	208-220V / 1 / 50Hz	
AE 3440Y	1/ 3	134a	12.05	450	C	F	236	310	421	561	731	1026	1413	220-240V / 1 / 50Hz	
CAE 4440Y	1/ 3	134a	12.05	450	C,V	F	236	310	421	561	731	1026	1413	208-220V / 1 / 50Hz	
CAE 4448Y	1/ 3	134a	14.15	450	C,V	F	344	403	530	693	892	1242	1705	208-220V / 1 / 50Hz	
CAE 4456Y	7/16	134a	16	450	C,V	F	381	458	604	787	1009	1396	1904	208-220V / 1 / 50Hz	
CAJ 4452Y	3/ 7	134a	15.2	887	C,V	F	226	370	528	724	957	1358	1879	208-220V / 1 / 50Hz	
CAJ 4461Y	1/ 2	134a	18.3	887	C,V	F	370	475	642	856	1115	1569	2168	220-240V / 1 / 50Hz	
TAJ 4461Y														400V / 3 / 50Hz	
CAJ 4476Y	5/ 8	134a	21.75	887	C,V	F	352	536	756	1030	1358	1926	2668	220-240V / 1 / 50Hz	
CAJ 4492Y	3/ 4	134a	25.95	887	C,V	F	255	584	871	1215	1617	2295	3164	220-240V / 1 / 50Hz	
TAJ 4492Y														400V / 3 / 50Hz	
CAJ 4511Y	1	134a	32.7	887	C,V	F	569	878	1227	1654	2160	3026	4148	220-240V / 1 / 50Hz	
TAL4511Y														400V / 3 / 50Hz	
CAH 4518Y	1-1/2	134a	53.2	1330	C,V	F	208	1036	1650	2371	3200	4583	6333	220-240V / 1 / 50Hz	
TFH 4518Y														400V / 3 / 50Hz	
CAH 4525Y	2	134a	74.25	1330	C,V	F	1155	1667	2343	3201	4239	6053	8442	220-240V / 1 / 50Hz	
TFH 4525Y														400V / 3 / 50Hz	
TAG 4528Y	2-1/2	134a	90.2	1960	C,V	F	637	1368	2166	3208	4492	6766	9799	400V / 3 / 50Hz	
TAG 4534Y	3	134a	100.7	1960	C,V	F	1177	1946	2871	4061	5514	8071	11460	400V / 3 / 50Hz	
TAG 4537Y	3-1/4	134a	112.5	1960	C,V	F	1490	2281	3308	4634	6258	9123	12926	400V / 3 / 50Hz	
TAG 4543Y	3-1/2	134a	124.4	1960	C,V	F	1836	2400	3442	4848	6620	9812	14124	400V / 3 / 50Hz	
TAGD4556Y	5	134a	180.4	3920	C,V	F	1274	2735	4333	6415	8983	13533	19597	400V / 3 / 50Hz	
TAGD4574Y	6-1/2	134a	225	3920	C,V	F	2980	4562	6616	9267	12517	18246	25852	400V / 3 / 50Hz	

NOTES
說明

① C - 毛细管 ② V - 膨脹閥 N - 自然空氣流動 F - 風扇冷卻 RH - 配油冷卻器
Capillary Tube Expansion Valve Natural Air Flow Fan Cooled Oil Cooled

② For the conversion of the refrigeration capacity from Watts at 50 Hz to : 制冷量的換算:
- BTU/hr at 50 Hz, use multiplying factor 3.44 BTU/小時 = Watt x 3.44
- KCal/hr at 50 Hz, use multiplying factor 0.86 大卡/小時 = Watt x 0.86



To obtain a refrigeration capacity at 60 Hz, multiply its values at 50 Hz by 1.2 60Hz 制冷量 = 50Hz x 1.2

③ Other voltages available upon request, please contact our sales representative for details.
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COMPRESSORS MODELS 壓縮機 型號	Nominal Power(H.P.) Refrigerant						REFRIGERATION CAPACITY AT 50 Hz Rated @54.5°C/130°F Cond. Temp.(Watts)② 50Hz制冷量，測試標準在 54.5°C/130°F 冷凝溫度下						VOLTAGE 電 壓 ③	
	名義馬力 (匹)	制 冷 劑	氣缸排氣量	裝油 量	Displacement (cm ³) Oil charge (cm ³)									
					膨脹裝置	Cooling ① 冷卻法								
-25°C	-15°C	-10°C	- 0°C	蒸發溫度 + 7.2°C	+ 15°C									
-13°F	+ 5°F	+ 14°F	+ 32°F	+ 45°F	+ 59°F									
AE 3440A	1/ 3	12	12.05	450	C,V	F	287 ^⑤	373	488	765	1028	1372	208-220V / 1 / 50Hz	
CAE 4440A	1/ 3	12	12.05	450	C,V	F	287 ^⑤	373	488	765	1028	1372	208V / 1 / 50Hz	
CAE 4448A	3/ 7	12	14.00	450	C,V	F	337 ^⑤	443	567	894	1198	1590	208V / 1 / 50Hz	
CAE 4456A	7/ 16	12	16.00	450	C,V	F	363 ^⑤	496	638	1005	1339	1766	208V / 1 / 50Hz	
CAJ 4452A	3/ 7	12	15.20	887	C,V	F	175	435	595	970	1283	1650	208-220V / 1 / 50Hz	
CAJ 4461A TAJ 4461A	1/ 2	12	18.30	887	C,V	F	240	540	725	1165	1508	1905	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAJ 4492A TAJ 4492A	3/4	12	25.95	887	C,V	F	385	810	1080	1740	2295	3000	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAJ 4511A TAJ 4511A	1	12	32.70	887	C,V	F	595	1140	1495	2330	3032	4000	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAH 4518A TAH 4518A	1-1/2	12	53.20	1330	C,V	F	1055 ^⑥	1510	1990	3300	4527	6090	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAH 4525A	2	12	74.25	1330	C,V	F	1607 ^⑥	2120	2760	4540	6216	8420	400V/3/50Hz	
R22 制冷剂														
AEZ 4425E	1/ 5	22	4.50	450	C,V	F	138 ^⑤	192	256	413	553	728	220-240V / 1 / 50Hz	
AEZ 4430E	1/4	22	5.70	450	C,V	F	192 ^⑤	255	336	538	718	945	208-220V / 1 / 50Hz	
AEZ 3440E	1/ 3	22	7.55	450	C	F	308 ^⑤	362	464	733	980	1298	208-220V / 1 / 50Hz	
AEZ 4440E	1/ 3	22	7.55	450	C,V	F	308 ^⑤	362	464	733	980	1298	208-220V / 1 / 50Hz	
AEZ 9440T	1/ 3	22	7.55	450	C,V	F	222	362	464	733	975	1302	220-240V / 1 / 50Hz	
AE 3450E	3/ 7	22	9.40	450	C	F	355 ^⑤	426	554	896	1212	1623	220-240V / 1 / 50Hz	
CAE 4450E	3/ 7	22	9.40	450	C,V	F	355 ^⑤	426	554	896	1212	1623	208-220V / 1 / 50Hz	
CAE 9450T	3/ 7	22	9.40	450	C,V	F	256	426	554	896	1212	1623	208-220V / 1 / 50Hz	
CAE 9460T	1/ 2	22	11.30	450	C,V	F	324	553	715	1134	1514	2000	208-220V / 1 / 50Hz	
CAJ 9480T TAJ 9480T	5/ 8	22	15.20	887	C,V	F	461	786	1011	1586	2103	2761	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAJ 9510T TAJ 9510T	1	22	18.30	887	C,V	F	545	956	1229	1909	2510	3266	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAJ 9513T TAJ 9513T	1-1/8	22	24.20	887	C,V	F	526	1074	1451	2411	3272	4366	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
CAJ 4517E	1-1/4	22	25.95	887	C,V	F	771 ^⑤	1233	1673	2727	3629	4743	208-220V / 1 / 50Hz	
TAJ 4517T	1-1/4	22	25.95	887	C,V	F	771	1230	1680	2720	3632	4740	400V / 3 / 50Hz	
CAJ 4519T	1-3/4	22	34.45	887	C,V	F	1382	1780	2304	3601	4738	6162	208-220V / 1 / 50Hz	
TAJ 4519T	1-3/4	22	34.45	887	C,V	F	1382	1780	2304	3601	4738	6162	400V / 3 / 50Hz	
FH 4522F TFH 4522F	2	22	39.95	1480	C,V	F	1068	1598	2202	3774	5206	7042	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
FH 4524F TFH 4524F	2	22	43.50	1480	C,V	F	1463	1841	2456	4131	5706	7759	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
FH 4531F TFH 4531F	2-3/4	22	56.65	1480	C,V	F	1780	2620	3504	5659	7528	9854	208-220V / 1 / 50Hz 400V / 3 / 50Hz	
TFH 4538E	3	22	67.50	1625	C,V	F		3100	4169	7041	9659	13400	400V / 3 / 50Hz	
TFH 4540F	3-1/2	22	74.25	1480	C,V	F	1299	3000	4301	7330	9863	12938	400V / 3 / 50Hz	
TAG 4546T	4	22	90.20	1960	C,V	F	1328	3103	4368	7839	11253	15961	400V / 3 / 50Hz	
TAG 4553T	4-1/2	22	100.70	1960	C,V	F	1528	3875	5306	9105	12927	18406	400V / 3 / 50Hz	
TAG 4568T	5	22	112.50	1960	C,V	F	2059	4465	6133	10593	14870	20658	400V / 3 / 50Hz	
TAG 4568T	6	22	124.40	1960	C,V	F	2493	5157	6967	11862	16676	23359	400V / 3 / 50Hz	
TAG 4576T	6	22	134.80	1960	C,V	F	2803	5629	7501	12632	17816	25204	400V / 3 / 50Hz	
TAGD4590T	7-1/2	22	180.40	3920	C,V	F	2656	6206	8735	15678	22506	31922	400V / 3 / 50Hz	
TAGD4610T	9	22	201.40	3920	C,V	F	3055	7750	10613	18211	25844	36811	400V / 3 / 50Hz	
TAGD4612T	10	22	225.00	3920	C,V	F	4117	8929	12267	21186	29739	41315	400V / 3 / 50Hz	
TAGD4614T	12	22	248.80	3920	C,V	F	4987	10314	13933	23724	33352	46718	400V / 3 / 50Hz	

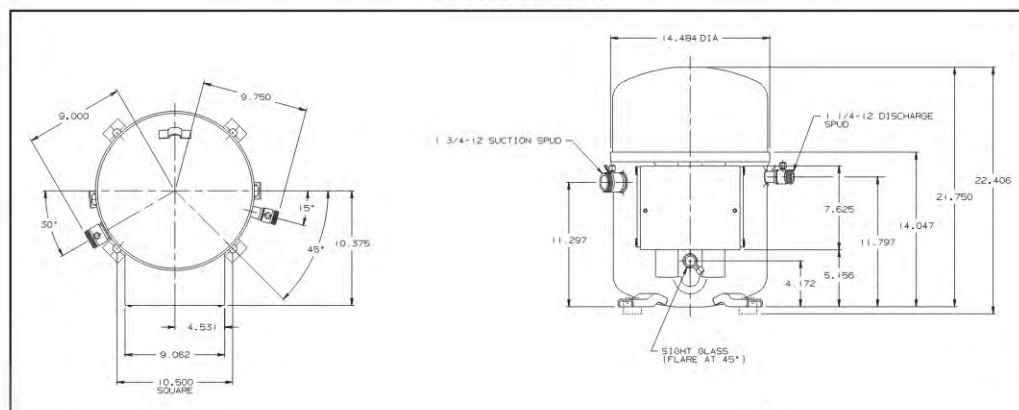
布里斯托压缩机系列 BRISTOL SERIES COMPRESSOR



Model	@45/130					@45/100							Electrical Data			Displacement	
	Capacity	Motor Input WATTS	EER/COP		Capacity	Motor Input WATTS	EER										
			BTU/H	W/W				BTU/H									
Model	BTU/H WATTS		BTU/H	W/W	BTU/H					RLA	LRA	MCC	INVREV	CMVREV			
220/240 - 1 Phase																	
H24B15QABH	12500	3668	1500	8.3	2.4	17142	1269	13.5		7.5	43	12.3	1.84	30.14			
H24B17QABH	13800	4049	1630	8.5	2.5	19297	1377	14.0		8.6	43	13.6	1.98	32.43			
H24B19QABK	15300	4489	1800	8.5	2.5	20409	1483	13.8		9.2	47	14.0	2.12	34.73			
H24B20QABK	16600	4871	1870	8.9	2.6	21765	1545	14.1		9.4	51	14.2	2.26	37.02			
H24B22QABH	18200	5340	2065	8.8	2.6	23752	1704	13.9		10.6	52	17.3	2.53	41.44			
H24B24QABH	19900	5839	2190	9.1	2.7	25625	1800	14.2		10.3	60	17.8	2.69	44.06			
H24B26QABH	21600	6338	2380	9.1	2.7	27745	1990	13.9		12.4	66	17.3	2.97	48.65			
H24B28QABH	23300	6837	2550	9.1	2.7	29997	2123	14.1		13.5	75	20.0	3.15	51.60			
H24B29QABK	24250	7115	2700	9.0	2.6	31241	2216	14.1		13.3	75	22.0	3.29	53.89			
H24B31QABK	25800	7570	2830	9.1	2.7	33161	2366	14.0		13.3	72	22.0	3.42	56.02			
380/415 - 3 Phase																	
H2NG184DPE	147200	43192	14250	10.3	3.0	203697	11861	17.2		26.0	125	40	20.44	334.81			
H2NG204FRE	173680	50961	16770	10.4	3.0	233895	13773	17.0		30.0	150	49	23.26	381.00			
H2NG244FRE	199850	58640	20220	9.9	2.9	261705	16843	15.5		36.5	190	56	29.80	438.98			
H2NG294FPE	238000	69834	25300	9.4	2.8	312204	20968	14.9		44.0	215	69	31.02	508.11			

*Data Subject to Revision

Dimensions



格力冷藏冷柜卧式压缩机系列

GREE HORIZONTAL PERFORMANCE SERIES COMPRESSOR



产品展示 Product Show

中高温冷藏系列卧式压缩机性能参数

M/H TEMPERATURE Refrigerant SERIRL HORIZONTAL PERFORMANCE PARAMENTS

○已完成 ●开发中 ▲规划中

用途	款式	制冷剂	型号	额定制冷量		输入功率	电源	运行电容	备注
Application	TYPE	Refrigerant	Model	NOMINIAL		INPUT	POWER	RUN	
				CAPACITY		POWER	SOURCE	CAPACITY	REMARK
				(W)	(Btu/h)	(W)	(V/Hz)	(μF)	
冷藏 冷柜	卧式	R22	QYC-B141R	2200	7510	710	220/50Hz	25	单缸●
			QYC-B171R	2750	9380	875	220/50Hz	25	单缸●
			QYC-C139R	2170	7400	680	220/50Hz	25	单缸●
			QYC-C168R	2700	9200	850	220/50Hz	25	单缸●
			QYC-C238R	3960	13500	1250	220/50Hz	30	单缸●
			QYC-D238R	3960	13500	1250	220/50Hz	30	单缸○
			QYC-F305R	5210	17760	1720	220/50Hz	40	单缸●
			QYC-F36R	6180	21070	1950	220/50Hz	50	单缸●
			QYCS-F438R	7650	26080	2500	220/50Hz	50	双缸▲
			QYC-D238SR	3960	13500	1250	3P 380V/50Hz	-	单缸▲
			QYC-F305SR	5210	17760	1720	3P 380V/50Hz	-	单缸▲
			QYC-F36SR	6180	21070	1950	3P 380V/50Hz	-	单缸▲
		R134A	QYC-B102Y	/	/	/	220/50Hz	/	单缸▲
			QYC-B109Y	/	/	/	220/50Hz	/	单缸▲
			QYC-C133Y	/	/	/	220/50Hz	/	单缸▲
			QYC-C168Y	/	/	/	220/50Hz	/	单缸▲
		R404A	QYC-F195Y	/	/	/	220/50Hz	/	单缸▲
			QYC-F232Y	/	/	/	220/50Hz	/	单缸▲
			QYC-B141Z	2495	8500	710	220/50Hz	25	单缸▲
			QYC-B171Z	3115	10620	875	220/50Hz	25	单缸▲
			QYC-C139Z	2460	8390	680	220/50Hz	25	单缸▲
			QYC-C168Z	3060	10430	850	220/50Hz	25	单缸▲
			QYC-C238Z	4490	15310	1250	220/50Hz	30	单缸▲
			QYC-D238Z	4490	15310	1250	220/50Hz	30	单缸▲
			QYC-F305Z	5900	20120	1720	220/50Hz	40	单缸▲
			QYC-F36Z	7008	23900	1950	220/50Hz	50	单缸▲

压缩机测试工况

TEST CONDITIONS

用途	环境温度	吸气温度	冷凝温度	过冷温度	蒸发温度
Application	Environment Temperature	Inspiratory Temperature	Condensation Temperature	Undercooling Temperature	Evaporation Temperature
中低温 Low temperature	32.2±1℃	32.2±3℃	54.4±0.3℃	32.2±0.3℃	7.2±0.2℃

格力冷藏冷柜卧式压缩机系列

GREE HORIZONTAL PERFORMANCE SERIES COMPRESSOR

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产品展示 Product Show

中低温冷冻系列卧式压缩机性能参数

M/L TEMPERATURE FREEZE SERIRL HORIZONTAL PERFORMANCE PARAMENTS



○已完成 ●开发中 ▲规划中

用途	款式	制冷剂	型号	额定制冷量		输入功率	电源	运行电容	备注
Application	TYPE	Refrigerant	Model	NOMINIAL		INPUT	POWER	RUN	
				CAPACITY		POWER	SOURCE	CAPACITY	REMARK
				(W)	(Btu/h)	(W)	(V/Hz)	(μF)	
冷藏冷柜	卧式	R22	QYL-B141R	790	2690	680	220/50Hz	25	单缸●
			QYL-B171R	1030	3510	830	220/50Hz	25	单缸●
			QYL-C139R	765	2610	670	220/50Hz	25	单缸●
			QYL-C168R	1000	3410	800	220/50Hz	25	单缸●
			QYL-C238R	1310	4460	1140	220/50Hz	30	单缸●
			QYL-D238R	1320	4500	1140	220/50Hz	30	单缸○
			QYL-F305R	1720	5860	1620	220/50Hz	40	单缸●
			QYL-F36R	1980	6750	1725	220/50Hz	50	单缸●
			QYLS-F438R	2580	8790	2580	220/50Hz	50	双缸▲
			QYL-D238SR	1330	4530	1140	3P 380V/50Hz	—	单缸▲
			QYL-F305SR	1740	5930	1620	3P 380V/50Hz	—	单缸▲
			QYL-F36SR	2000	6820	1725	3P 380V/50Hz	—	单缸▲
		R134A	QYL-B102Y	/	/	/	220/50Hz	/	单缸▲
			QYL-B109Y	/	/	/	220/50Hz	/	单缸▲
			QYL-C133Y	/	/	/	220/50Hz	/	单缸▲
			QYL-C168Y	/	/	/	220/50Hz	/	单缸▲
			QYL-F195Y	/	/	/	220/50Hz	/	单缸▲
			QYL-F232Y	/	/	/	220/50Hz	/	单缸▲
		R404A	QYL-B141Z	895	3050	680	220/50Hz	25	单缸▲
			QYL-B171Z	1170	3990	830	220/50Hz	25	单缸▲
			QYL-C139Z	865	2950	670	220/50Hz	25	单缸▲
			QYL-C168Z	1130	3850	800	220/50Hz	25	单缸▲
			QYL-C238Z	1480	5050	1140	220/50Hz	30	单缸▲
			QYL-D238Z	1495	5100	1140	220/50Hz	30	单缸▲
			QYL-F305Z	1950	6650	1620	220/50Hz	40	单缸▲
			QYL-F36Z	2250	7670	1725	220/50Hz	50	单缸▲

压缩机测试工况

TEST CONDITIONS

用途 Application	环境温度 Environment Temperature	吸气温度 Inspiratory Temperature	冷凝温度 Condensation Temperature	过冷温度 Undercooling Temperature	蒸发温度 Evaporation Temperature
中低温 Low temperature	32.2±1℃	32.2±3℃	54.4±0.3℃	32.2±0.3℃	-23.3±0.2℃

DAIKIN 大金(DAIKIN)压缩机常用机型--50HZ R22制冷剂



Model	冷媒 Refrigerant g/max	制冷量 Capacity W	输入 Input power W	电容 Capacitor μF/V	排气量 Displacement cc/rev	电压 Voltage V
JT90BHBV1L	1500	8550	2670	69/420	48.2	220
JT90BHY1L	1500	8550	2670	/	48.2	380三相
JT95BHBV1L	1500	9200	2830	69/42	51.8	220
JT95BHY1L	1500	9200	2800	/	51.2	380三相
JT125BCBY1L	2500	11900	2800	/	67	380三相
JT160BCBY1L	2500	15000	4660	/	83.1	380三相
JT212D-Y1L	3000	21500	6490	/	117.3	380三相
JT236D-Y1L	3000	24000	7200	/	131	380三相
JT265D-Y1L	3000	26700	7950	/	144.7	380三相
JT300D-Y1L	3000	29900	8850	/	163	380三相
JT335D-Y1L	3000	34000	9980	/	184.2	380三相

大金系列涡旋压缩机: 功率3HP--10HP

TOSHIBA东芝 东芝(TOSHIBA)压缩机常用机型--220V、50HZ R22制冷剂



Model	冷媒 Refrigerant g/max	制冷量 Capacity W	输入 Input power W	电流 Electric current A	电容 Capacitor μF/V	底脚/吸气 管口方向 Suction linn	电压量 Voltage cc/rev
PH165X1C-4DZDE2	1000	2795	895	4.3	30/370	150/27	16.5
PH225X2C-4FT	1200	3870	1250	5.8	35/370	176/27	22.4
PH240X2C-4FT1	1200	4140	1355	6.3	35/370	176/27	23.9
PH290X2C-4FT1	1300	5100	1670	8	35/370	176/27	29
PH340X2CS-4KU2	1800	5850	1850	8.4	50/400	176/27	33.8
PH371X3CS-4MU1	1800	6540	2045	9.3	45/400	176/57	37
PH400X3CS-4KU1	2100	6920	2245	10.5	50/400	176/57	40.2
PH420X3CS-4KU1	2100	7400	2380	11.2	50/400	176/57	42
PH440X3CS-4KU1	2100	7650	2500	12.3	50/400	176/57	43.5
PH460X3CS-4MUA	2100	8060	2600	12.6	55/400	176/57	45.9
PH480X3CS-4MU1	2100	8460	2730	13	55/400	176/57	47.9

(东芝/美芝旋转式压缩机: 功率1/2HP--3.5HP)

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■ B,C 系列空调应用涡旋压缩机

C-SB, C-SC Series Scroll Compressor for Air Conditioning

■ R22 — B8 (50Hz 380-415V / 60Hz 440-460V)

相 Phase	额定功率 Out Put	排气量 Displacement	压缩机型号 Compressor	压缩机代号 Compressor	启动 方式 Starting Method	50Hz				60Hz				外观图代号
	HP	cm³/rev	Model	Code		制冷量	Capacity	COP		制冷量	Capacity	COP		Outline Graph Code
						KW	KBTU/h	W/W	BTU/Wh	KW	KBTU/h	W/W	BTU/Wh	
3	3.5	51.8	C-SB263H8B	809 831 88	—	9.15	31.2	3.10	10.6	11.2	38.2	3.20	10.9	B
			C-SB263H8C	809 832 88	—	9.15	31.2	3.10	10.6	11.2	38.2	3.20	10.9	A
		55.7	C-SB263H8A	809 830 88	—	9.60	32.8	3.10	10.6	11.8	40.3	3.19	10.9	B
	4	66.8	C-SB303H8A	809 840 88	—	11.8	40.3	3.23	11.0	14.4	49.2	3.27	11.2	A
			C-SB303H8G	809 846 88	—	11.8	10.3	3.23	11.0	14.4	49.2	3.27	11.2	At
	4.5	77.4	C-SB353H8A	809 842 88	—	13.5	46.1	3.18	10.9	16.7	57.0	3.28	11.2	A
			C-SB353H8G	809 847 88	—	13.5	46.1	3.18	10.9	16.7	57.0	3.28	11.2	At
	5	83.2	C-SB373H8A	809 850 88	—	14.5	49.5	3.19	10.9	17.9	61.1	3.23	11.0	A
			C-SB373H8G	809 856 88	—	14.5	49.5	3.19	10.9	17.9	61.1	3.23	11.0	At
			C-SB373H8F	809 855 88	—	15.0	51.2	3.19	10.9	18.4	62.8	3.20	10.9	A
	5.5	90.6	C-SBR195H38A	—	—	16.0	54.6	3.20	10.9	19.4	66.2	3.23	11.0	A
	6	100.0	C-SB453H8A	809 860 88	—	17.7	60.4	3.26	11.1	21.5	73.4	3.24	11.1	A
			C-SB453H8F	809 865 88	—	17.7	60.4	3.26	11.1	21.5	73.4	3.24	11.1	Jt
			C-SB453H8G	809 866 88	—	17.7	60.4	3.26	11.1	21.5	73.4	3.24	11.1	At
	7	110.2	C-SBR235H38A	—	—	19.2	65.6	3.20	10.9	23.2	79.2	3.27	11.2	A
			C-SBR235H38B	—	—	19.2	65.6	3.20	10.9	23.2	79.2	3.27	11.2	At
	8	131.9	C-SC583H8H	809 284 88	—	23.6	80.6	3.30	11.3	28.5	97.3	3.26	11.1	D
			C-SC583H8K	809 286 88	—	23.6	80.6	3.30	11.3	28.5	97.3	3.26	11.1	Dt
		137.0	C-SC603H8H	809 281 88	—	24.5	83.6	3.31	11.3	29.6	101.1	3.29	11.2	D
			C-SC603H8K	809 283 88	—	24.5	83.6	3.31	11.3	29.6	101.1	3.29	11.2	Dt
	9	148.8	C-SC673H8H	809 291 88	—	26.5	90.5	3.29	11.2	32.0	109.3	3.27	11.2	D
			C-SC673H8K	809 293 88	—	26.5	90.5	3.29	11.2	32.0	109.3	3.27	11.2	Dt
	10	171.2	C-SC753H8H	809 201 88	—	30.6	104.5	3.38	11.5	36.9	126.0	3.32	11.3	E
			C-SC753H8K	809 203 88	—	30.6	104.5	3.38	11.5	36.9	126.0	3.32	11.3	Et
	12	199.1	C-SC863H8H	809 224 88	—	35.2	120.2	3.32	11.3	—	—	—	—	E
		205.4	C-SC903H8H	809 221 88	—	36.1	123.3	3.31	11.3	—	—	—	—	E
			C-SC903H8K	809 223 88	—	36.1	123.3	3.31	11.3	—	—	—	—	Et

■ R22 B8 (50Hz 380-415V / 60Hz 440-460V)

Hi-COP Models

相 Phase	额定功率 Out Put	排气量 Displacement	压缩机型号 Compressor Model	压缩机代号 Compressor Code	启动 方式 Starting Method	50Hz				60Hz				外观图代号 Outline Graph Code
						制冷量 KW	Capacity KBTU/h	COP		制冷量 KW	Capacity KBTU/h	COP		
	HP	cm ³ /rev						W/W	BTU/Wh			W/W	BTU/Wh	
3	3.5	55.7	C-SBX120H38A	-	-	10.0	34.1	3.35	11.4	12.0	41.0	3.38	11.5	A
	4	66.8	C-SBX145H38A	-	-	12.0	41.0	3.40	11.6	14.6	49.8	3.42	11.7	A
	4.3	70.9	C-SBX150H38A	-	-	12.8	43.7	3.40	11.6	15.5	52.9	3.42	11.7	A
		70.5	C-SBX150H38C	-	-	12.8	43.7	3.50	11.9	15.6	53.3	3.50	11.9	A
	4.4	73.2	C-SBX160H38A	-	-	13.1	44.7	3.40	11.6	15.8	53.9	3.42	11.7	A
	4.5	76.0	C-SBX165H38A	809 745 88	-	13.5	46.1	3.33	11.4	16.3	55.7	3.33	11.4	A
			C-SBX165H38B	809 746 88	-	13.5	46.1	3.33	11.4	16.3	55.7	3.33	11.4	At
			C-SBX165H38C	-	-	13.6	46.4	3.32	11.3	16.5	56.3	3.33	11.4	A
	5	81.0	C-SBX180H38A	809 750 88	-	14.3	48.8	3.33	11.4	17.3	59.1	3.33	11.4	A
			C-SBX180H38B	809 751 88	-	14.3	48.8	3.33	11.4	17.3	59.1	3.33	11.4	At
		83.7	C-SBX180H38C	809 753 88	-	14.7	50.2	3.30	11.3	17.8	60.8	3.30	11.3	A
			C-SBX180H38D	809 754 88	-	14.7	50.2	3.30	11.3	17.8	60.8	3.30	11.3	At
	5.5	90.6	C-SBX195H38A	-	-	16.3	55.7	3.33	11.4	19.8	67.6	3.38	11.5	A
	6	100.0	C-SBX215H38P	-	-	17.7	60.4	3.33	11.4	21.5	73.4	3.33	11.4	A
	8	127.8	C-SCX295H38B	-	-	23.1	78.9	3.47	11.8	27.7	94.6	3.48	11.9	A
	9	148.8	C-SCX320H38B	-	-	26.8	91.5	3.45	11.8	32.2	109.8	3.43	11.7	-
	10	171.2	C-SCX370H38B	-	-	30.9	105.5	3.45	11.8	37.1	126.6	3.43	11.7	-
12	194.9	C-SCX435H38B	-	-	35.1	119.8	3.48	11.9	42.1	143.8	3.45	11.8	-	
12.5	214.2	C-SCX455H38B	-	-	36.8	125.6	3.42	11.7	44.2	150.8	3.40	11.6	-	

HITACHI

压缩机型号 (Model)	排量 cm ³ /rev	制冷量(Cooling Capacity)			输入功率 WATTS
		BTU/H	KCAL/H	WATTS	
303DH-47C1(2)	47	29500	7440	8650	2700
303DH-50C1(2)	50	32220	8130	9450	2900
353DH-56C1(2)	56	35460	8940	10400	3200
403DH-64C1(2)	64	40240	10150	11800	3600
453DH-72C1(2)	72	46040	11610	13500	4000
503DH-80C1(2)	80	50800	12810	14900	4400
503DH-83C1(2)	83	52510	13240	15400	4550
603DH-90C1(2)	90	57290	14450	16800	5000

Panasonic



R22

系列 Series	型号 Model	Capacity/制冷量		输入功率 Input power W	电源规格 Power	电容 Capacitor	认证 Certification
		W	BTU/H				
R	2R11B225ASE	1745	5955	585	220V/50HZ	20 μ F/440V	CCC/TUV
P	2P14S225ANJ	2220	7575	705	220V/50HZ	25 μ F/440V	CCC/TUV
	2P17S225ANQ	2770	9450	885	220V/50HZ	25 μ F/440V	CCC/TUV
	2P20C225BNG	3245	11072	1080	220V/50HZ	35 μ F/440V	CCC/TUV
K	2K22S225BUA	3835	13085	1230	220V/50HZ	35 μ F/440V	CCC/TUV
	2K23S225BUA	3975	13563	1295	220V/50HZ	35 μ F/440V	CCC/TUV
	2K25S225BUA	4245	14485	1380	220V/50HZ	40 μ F/440V	CCC/TUV
	2K28C225DUA	4660	15900	1550	220V/50HZ	40 μ F/440V	CCC
	2K32S225AUD	5200	17740	1730	220V/50HZ	40 μ F/440V	CCC
V	2V32S225AUA	5380	18630	1700	220V/50HZ	40 μ F/450V	CCC
	2V34S225AUA	5820	19860	1880	220V/50HZ	45 μ F/450V	CCC/TUV
	2V36S225BUA	6140	20950	1980	220V/50HZ	50 μ F/440V	CCC/TUV
	2V42S225AUA	7200	24565	2340	220V/50HZ	50 μ F/440V	CCC
	2V44W225AUD	7780	26545	2515	220V/50HZ	60 μ F/450V	CCC/TUV
	2V44W385AUA	7670	26170	2405	380V/50HZ	-	CCC
	2V47W225AUA	8245	28132	2590	220V/50HZ	60 μ F/450V	CCC
	2V47W385AUA	8235	28098	2555	380V/50HZ	-	CCC

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松下压缩机系列 PANASONIC SERIES COMPRESSOR

Panasonic

R410A---直流变频

系列 Series	型号 Model	Capacity/制冷量		输入功率 Input power	测试条件 Test conditon	壳体高度 mm	认证 Certification
		W	BTU/H	W			
S	5SS072XAA	1805	6159	675	JIS	213	
	5RS080XBd01	1985	6773	765	JIS	229	
R	5RS092ZKB21	2285	7796	860	JIS	229	TUV/CCC
	5RS092XDC	2305	7865	870	JIS	229	
	5RS092ZAD21	2280	7779	890	JIS	229	TUV/CCC
	5RS092ZJB21	2310	7882	915	JIS	220	TUV/CCC
	5RS102ZJA21	2600	8871	985	JIS	229	TUV/CCC
	5RS102ZBC21	2615	8922	1010	JIS	229	TUV/CCC
	5RS132ZAB21	3385	11550	1250	JIS	220	TUV/CCC
K	5KD184XAB21	5440	18561	1805	ARI	295	
	5KD240ZAB21	7280	24839	2400	ARI	295	CCC
V	5VD420ZAA21	13200	45038	4220	ARI	352	TUV/CCC



R410A---定速

系列 Series	型号 Model	Capacity/制冷量		输入功率 Input power	电源规格 Power	电容 Capacitor	认证 Certification
		W	BTU/H	W			
R	5RS066EAA21	1525	5203	570	220V/50HZ	20 μ F/440V	CCC
	5RS080EAE21	1840	6278	665	220V/50HZ	20 μ F/440V	VDE
P	5PS102EAA22	2410	8223	835	220V/50HZ	30 μ F/440V	CCC/VDE
	5PS108EAA22	2515	8581	880	220V/50HZ	30 μ F/440V	VDE
	5PS132EAC22	3090	10543	1090	220V/50HZ	30 μ F/440V	CCC/VDE
K	5KS146EAA21	3480	11874	1235	220V/50HZ	35 μ F/440V	TUV
	5KS170EAB21	4100	13989	1390	220V/50HZ	40 μ F/440V	TUV
	5KS205EAB21	4870	16634	1685	220V/50HZ	50 μ F/440V	VDE
	5KS225EAA21	5400	18425	1920	220V/50HZ	50 μ F/440V	VDE
V	5VS245EAA21	6090	20779	2075	220V/50HZ	60 μ F/450V	VDE
	5VS270EAA21	6685	22809	2265	220V/50HZ	60 μ F/450V	CCC/VDE
	5VS280EZA21	6820	23270	2260	220V/50HZ	60 μ F/450V	CCC
	5VS295EZA21	7220	24634	2445	220V/50HZ	60 μ F/450V	CCC
R	5RS066HAA21	1875	6398	660	220V/60HZ	20 μ F/440V	
	5RS072HAA21	2050	6995	720	220V/60HZ	20 μ F/440V	
	5RS080HAA21	2250	7677	785	220V/60HZ	20 μ F/440V	
	5RS092HAA21	2605	8888	920	220V/60HZ	20 μ F/440V	
	5PS108HAA21	3140	10714	1085	220V/60HZ	30 μ F/440V	
P	5PS112HAA21	3225	11004	1115	220V/60HZ	30 μ F/440V	
	5PS126HAA21	3665	12505	1265	220V/60HZ	35 μ F/440V	
	5PS136HAA21	3950	13477	1375	220V/60HZ	40 μ F/440V	
	5KS162HAA21	4790	16343	1635	220V/60HZ	40 μ F/440V	
K	5KS196HAA21	5815	19841	1980	220V/60HZ	35 μ F/440V	
	5VS245HAA21	7600	25931	2550	220V/60HZ	50 μ F/440V	
V	5VS270HAA21	8370	28558	2835	220V/60HZ	50 μ F/440V	
	5RS058UAA21	1640	5592	590	115V/60HZ	35 μ F/440V	cULus
R	5RS066UAA21	1890	6449	665	115V/60HZ	35 μ F/440V	cULus
	5RS072UBA21	2055	7012	730	115V/60HZ	35 μ F/440V	cULus
	5RS080UAA21	2250	7677	790	115V/60HZ	35 μ F/440V	cULus
	5PS118UBA21	3450	11771	1190	115V/60HZ	50 μ F/440V	cULus

LG/万宝压缩机系列

LG/WANBAO SERIES COMPRESSOR

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LG压缩机系列 LG SERIES COMPRESSOR

Series	Power Source	Model	Cooling Capacity				Motor Input (Watts)		EER (Btu/W.hr)		COP (W/W)		Oil Charge (oz)	Dimension (mm)				
			(Btu/hr)		(Watts)									A	B	C	D	E
QK	1PH,200-220V	QK125P	7150	7200	2095	2110	681	727	10.5	9.9	3.08	2.90	280	222	200	38.6	50.8	93.0
		QK208P	121200	12200	3546	3575	1163	1245	10.4	9.8	3.05	2.87	380	237	220	45.9	65.0	103.0
QJ		QJ264P	15400	15500	4513	4542	1457	1529	10.6	10.1	3.10	2.97	450	278	229	42.2	75.0	113.0
		QJ325P	18700	19000	5480	5508	1815	1938	10.3	9.1	3.02	2.87	500	278	229	42.2	75.0	113.0
QP		QP325P	19200	19300	5626	5656	1778	1856	10.8	10.4	3.16	3.05	700	295	292	53.3	75.0	123.4
		QP348P	20500	20600	6007	6037	1884	1967	10.9	10.5	3.19	3.08	700	2985	292	53.3	75.0	123.4
		QP376P	22500	22600	6593	6623	2143	2282	10.5	9.9	3.08	2.09	700	295	292	53.3	75.0	123.4
		QP407P	24050	24300	7048	7121	2227	2303	10.8	10.6	3.16	3.09	700	284	292	53.3	75.0	123.4
		QP442P	26000	26200	7619	7678	2549	2758	10.2	9.5	2.99	2.78	700	295	292	53.3	75.0	123.4
		QP464P	27600	27700	8088	8117	2654	2885	10.4	9.6	3.05	2.81	700	295	292	53.3	75.0	123.4
		1PH,200-220V	QP442J	26860	27700	7871	8117	2633	2885	10.2	9.6	2.99	2.81	700	295	292	53.3	75.0

Wanbao

R134a - 低背压压缩机产品性能

R134a - LBP COMPRESSOR PURFORMANCE TABLE



系列号 SERIES	产品型号 MODEL	工作容积 (cm³) DISPLACEMENT	制冷量 (W) CAPACITY	性能系数 COP	冷却方式 COOLING TYPE	压缩机型式 MOTOR TYPE	外形尺寸 (mm) DIMENSIONS			
							A	B	C	D
AQW系列 20CY 50V60Hz	AQAW51	5.10	123	1.12	ST	RSIR	190.1	60.4	62.5	/
	AQAW57	5.65	139	1.15	ST	RSIR	190.1	80.4	62.5	/
	AQAE66	6.55	153	1.20	ST	RSIR	201.5	81.0	63.02	/
	AQAW72	7.23	165	1.20	ST	RSIR	201.5	81.0	63.2	/
	AQAW77	7.69	185	1.18	ST	RSIR	210.5	81.0	63.2	/
	AQAW91	9.10	220	1.20	ST/OC	RSIR	214.6	86	66.2	/
AQW系列 220V /50Hz	ADW51	5.10	136	1.12 /1.30	ST	RSIR /RSCR	190.7	76.7	63.2	68.0
	ADW57	5.65	161	1.29 /1.35	ST	RSIR /RSCR	190.7	76.7	63.2	68.0
	ADW66	6.55	170	1.2a /1.32	ST	RSIR /RSCR	201.5	76.7	63.2	66.0
	ADW72	7.23	190	1.30 /1.35	ST	RSIR /RSCR	210.5	76.7	63.2	68.0
	ADWa6	8.58	220	1.30 /1.35	ST	RSIR /RSCR	210.5	76.7	63.2	68.0

制冷剂	型 号	输入功率	电 压
Refrigerant	Model	Input Power	Voltage
R22-LBP	NE2134E	9/16 HP	220-240V,50Hz
	T2140E	3/4 HP	220-240V,50Hz
	T2155E	1 HP	200-220V,50Hz/230V,60Hz
	T2168E	1.25 HP	200-220V,50Hz/230V,60Hz
	NJ2E90	1.5 HP	230V,50Hz
R22-M/HBP	NB6152E	1/4 HP	220-240V,50Hz
	NB6165E	1/3 HP	220-240V,50Hz
	NE6210E	3/8 HP	220-240V,50Hz
	NE6211E	1/2 HP	208-230V,60Hz
	NE9213E	9/16 HP	220-240V,50Hz
	T6220E	3/4 HP	200-220V,50Hz/230V,60Hz
	NJ9226E	1 HP	220-240V,50Hz
	NJ9232E	1.5 HP	200-220V,50Hz
	NJ9238E	1.75 HP	230V,50Hz
R134A-M/HBP	EM 65HHR	1/6 HP+	220V,50-60Hz
	NE6170Z	1/3 HP	200-240V,50Hz/230V,60Hz
	NE6187Z	3/8 HP	200-240V,50Hz/230V,60Hz
	NEK6212Z	1/2 HP	200-230V,50Hz/208-230V,60Hz
	NEK6214Z	3/4 HP-	220-240V,50Hz
	T6215Z	3/4 HP	200-240V,50Hz/230V,60Hz
	NJ6220Z	1HP	220-240V,50Hz
	NJ6226Z	1.25 HP	220-240V,50Hz



制冷剂	型 号	输入功率	电 压
Refrigerant	Model	Input Power	Voltage
R134a-LBP	EMU 65HLP	1/4 HP	200-230V,50Hz
	NE2130Z	1/2 HP	200-220V,50Hz/230V,60Hz
	NE2134Z	9/16 HP	220-240V,50Hz
	NEK2140Z	1/2 HP	220-240V,50Hz
	NB1118Z		200-220V,50Hz
	NE1121Z	1/4 HP	200-220V,50Hz/230V,60Hz
	NE1130Z	1/3 HP	200-220V,50Hz/230V,60Hz
	FF1 7.5HAK	1/4 HP	220-240V,50Hz-60Hz
	FF1 10HAK	1/3 HP	220-230V,50Hz-60Hz
	FF 8.5HBK	1/4 HP	220-240V,50Hz
R404A-LBP	FF1 12HBK	1/3 HP	220-240V,50Hz
	NEK2125GK	1/3 HP	220-240V,50Hz
	NEK2134GK	1/2 HP	220-240V,50Hz
	NEK2134GK	1/2 HP	208-230V,60Hz
	NEK2150GK	1/2 HP+	220-240V,50Hz
	NEK2150GK	1/2 HP+	208-230V,60Hz
	NEK2168GK	3/4 HP	220-240V,50Hz
	T2155GK	1/2 HP+	220-240V,50Hz
	T2155GK	1/2 HP+	208-230V,60Hz
	T2168GK	3/4 HP	220-240V,50Hz
	T2168GK	3/4 HP	208-230V,60Hz
	T2178GK	1 HP	220-240V,50Hz
	T2178GK	1 HP	208-230V,60Hz
	NT2182GK	1 HP+	220-240V,50Hz
R404A-LBP	NJ2192GK	1-1/4 HP	220-240V,50Hz
	NJ2192GK	1-1/4 HP	208-230V,60Hz
	NJ2212GK	1-1/2 HP	220-240V,50Hz
	NJ2212GK	1-1/2 HP	208-230V,60Hz
R404A-M/HBP	NEK6210GK	1/2 HP	220-240V,50Hz
	NE9213GK	3/4 HP	220-240V,50Hz
	NE9213GK	3/4 HP	208-230V,60Hz
	T6220GK	1 HP	220-240V,50Hz
	T6220GK	1 HP	208-230V,60Hz
	T6222GK	1 HP+	220-240V,50Hz
	NJ9226GK	1 HP+	220-240V,50Hz
	NJ9226GK	1 HP+	208-230V,60Hz
	NJ9232GK	1-1/4 HP	220-240V,50Hz
	NJ9232GK	1-1/4 HP	208-230V,60Hz
	NJ9238GK	1-1/4 HP	220-240V,50Hz
	NJ9238GK	1-1/4 HP	208-230V,60Hz

R134a-低背压压缩机产品性能

R134a-LBP COMPRESSOR PERFORMANCE PARAMETER

产品型号 Model	汽缸容积 Displacement (cm ³)	-23.3℃ Ashrae				注油量 Oil Charge (ml)	冷却方式 Cooling Type	电机型式 Motor Type	电 源 Power Supply (V-Hz)
		制冷量 Capacity (W)	输入功率 Input Power (W)	电 流 Current (A)	性能系数 COP				
QD55E	5.5	162	141	1.3	1.15	250	S	RSIR	220V-60Hz
QD65E	6.5	184	156	1.4	1.18	250	S	RSIR	220V-60Hz
QD75E	7.5	220	178	1.5	1.23	250	S	RSIR	220V-60Hz
QD91E	9.1	259	197	1.8	1.31	250	S	RSIR	220V-60Hz
QD110E	11.0	316	235	2.2	1.34	250	S	RSIR	220V-60Hz

产品型号 Model	汽缸容积 Displacement (cm ³)	-23.3℃ Ashrae				注油量 Oil Charge (ml)	冷却方式 Colling Type	电机型式 Motor Type	电 源 Power Supply (V-Hz)
		制冷量 Capacity (W)	输入功率 Input Power (W)	电 流 Current (A)	性能系数 COP				
QD55D	5.5	170	138	2.0	1.23	250	S	RSIR	115V-60Hz
QD65D	6.5	186	156	2.2	1.20	250	S	RSIR	115V-60Hz
QD75D	7.5	225	172	2.4	1.30	250	S	RSIR	115V-60Hz
QD91D	9.1	264	190	3.1	1.34	250	S	RSIR	115V-60Hz
QD110D	11.0	324	225	3.8	1.44	250	S	RSIR	115V-60Hz

QD系列压缩机为低压启动型

测试条件:

测试条件 Test Condition

蒸发温度 Evaporating Temp:-23.3℃ ± 0.2℃

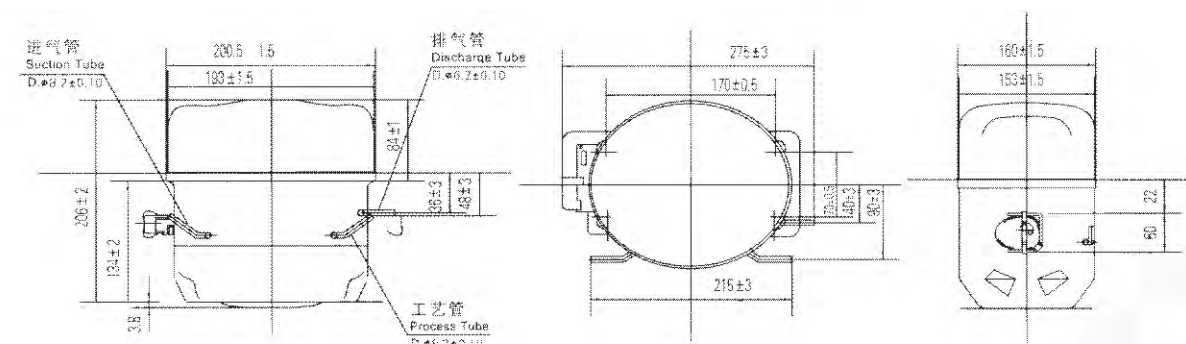
冷凝温度 Condensing Temp:54.4℃ ± 0.3℃

过冷温度 Suppre Cooling Temp:32.2℃ ± 0.3℃

吸气温度 Suction Temp:32.2℃ ± 0.3℃

冷却方式 Compressor Cooling自然冷却Nature Cooling

环境温度 Ambient Temp:32.2℃ ± 1℃



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QD压缩机系列 QD SERIES COMPRESSOR

R406a-低背压压缩机产品性能

R406a-LBP COMPRESSOR PERFORMANCE PARAMETER

产品型号 Model	汽缸容积 Displace-ment (cm ³)	-23.3℃ Ashrae				注油量 Oil Charge (ml)	冷却方式 Cooling Type	电机型式 Motor Type	电 源 Power Supply (V-Hz)
		制冷量 Capacity (W)	输入功率 Input Power (W)	电 流 Current (A)	性能系数 Cop				
QD55Z	5.5	142	131	1.00	1.08	250	S	RSIR	220V-60Hz
QD65Z	6.5	164	140	1.10	1.15	250	S	RSIR	220V-60Hz
QD75Z	7.5	182	160	1.38	1.13	250	S	RSIR	220V-60Hz
QD91Z	9.1	223	182	1.52	1.23	250	S	RSIR	220V-60Hz
QD110Z	11.0	276	223	1.76	1.24	250	S	RSIR	220V-60Hz

产品型号 Model	汽缸容积 Displace-ment (cm ³)	-23.3℃ Ashrae				注油量 Oil Charge (ml)	冷却方式 Cooling Type	电机型式 Motor Type	电 源 Power Supply (V-Hz)
		制冷量 Capacity (W)	输入功率 Input Power (W)	电 流 Current (A)	性能系数 Cop				
QD85Y	8.5	143	96	0.71	1.48	230	ST	RSCR	220V-50Hz
QD91Y	9.1	152	101	0.80	1.52	230	ST	RSCR	220V-50Hz
QD110Y	11.0	184	118	1.00	1.56	230	ST	RSCR	220V-50Hz

QD-Y 系列压缩机为低压启动型

测试条件:

测试条件 Test Condition

蒸发温度 Evaporating Temp: -23.3℃ ± 0.2℃

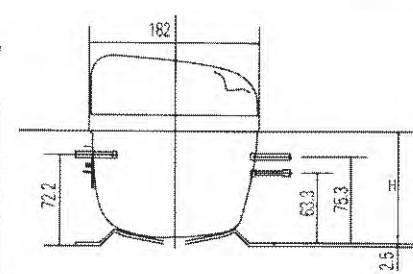
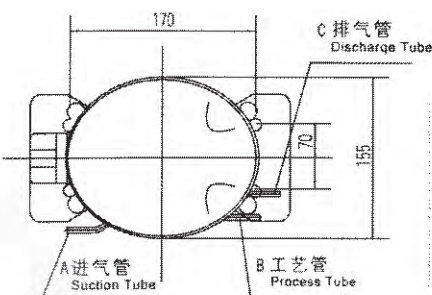
冷凝温度 Condensing Temp: 54.4℃ ± 0.3℃

过冷温度 Suppre Cooling Temp: 32.2℃ ± 0.3℃

吸气温度 Suction Temp: 32.2℃ ± 0.3℃

冷却方式 Compressor Cooling: 自然冷却 Nature Cooling

环境温度 Ambient Temp: 32.2℃ ± 1℃



H	A		B		C	
	Suction	Process	Process	Process	Discharge	Discharge
178	ID	T	ID	T	ID	T
	6.14	0.9	6.14	0.9	4.95	0.7
	6.54	0.7	6.54	0.7	5.0	0.85

比泽尔半封闭压缩机

SEMI-HERMETIC BITZER SERIES COMPRESSOR

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Technische Daten

Technical data

技术参数

Verdichter Typ	Motor Version	Förder- volumen bei 1450 min ⁻¹	Anzahl der Zylinder	Öl- füllung	Gewicht	Rohranschlüsse		CR	Motor- Anschluss	Elektrische Daten				
Compressor type	Motor version	Displace- ment at 1450 min ⁻¹	Number of cylinders	Oil charge	Weight	DL Druckleitung mm Zoll	SL Saugleitung mm Zoll	-Stufen-		max. Betriebs- strom	max. Leistungs- aufnahme	Anlauf- strom (Rotor blockiert)		
压缩机 型号	电机 类型	1450转 / 分 排气量 m ³ /h	气缸数	注油量 dm ³	重量 kg	接管				电 源 Volt ②	电 气 参 数			
						排气管 (DL) 毫米 英寸	吸气管 (SL) 毫米 英寸	能 量 调 节 % ①	最大工作 电 流 Amp. ③		最大功率 消耗 kW. ③	启动电流 (堵转) Amp. ⑤		
2KC-05.2(Y)	1 + 2	4,06	2	1,0	43	12	1 1/2	16	5/8	—	Δ / Y 220..240 Δ / 380..420Y/3/50 265..290 Δ / 440..480Y/3/60	4,6/2,7	1,5	20,8/12
2JC-07.2(Y)	1 + 2	5,21	2	1,0	43	12	1 1/2	16	5/8	—		6,0/3,5	1,9	25,6/14,8
2HC-1.2(Y)	2	6,51	2	1,0	44	12	1 1/2	16	5/8	—		6,1/3,5	2,0	28,9/16,7
2HC-2.2(Y)	1											7,4/4,3	2,4	39/22,5
2GC-2.2(Y)	1 + 2	7,58	2	1,0	45	12	1 1/2	16	5/8	—		8,1/4,87	2,7	39/22,5
2FC-2.2(Y)	2	9,54	2	1,0	5	12	1 1/2	16	5/8	—		8,5/4,9	2,8	39/22,5
2FC-3.2(Y)	1											10,0/5,8	3,4	44,2/25,5
2EC-2.2(Y)	2	11,4	2	1,5	67,5	16	5/8	22	7/8	—		9,9/5,7	3,3	45/26
2EC-3.2(Y)	1											70,5	4,0	60,6/1,5
2DC-2.2(Y)	2	13,4	2	1,5	67,5	16	5/8	22	7/8	—		11,9/6,9	3,9	53,7/30,7
2DC-3.2(Y)	1											70,5	4,5	64/37
2CC-3.2(Y)	2	16,2	2	1,5	70	16	5/8	22	7/8	—		14,8/8,5	5,0	64/37
2CC-4.C(Y)	1											70	5,6	76,6/44,2
4FC-3.2(Y)	2	18,1	4	2,0	82	16	5/8	22	7/8			15,9/9,2	5,4	76,6/44,2
4FC-5.2(Y)	1											86	6,2	107,7/62,2
4EC-4.2(Y)	2	22,7	4	2,0	84	16	5/8	28	1 1/8	50		18,5/10,7	6,4	92,7/53,2
4EC-6.2(Y)	1											86	7,9	107,7/62,2
4DC-5.2(Y)	2	26,8	4	2,0	85,5	22	7/8	28	1 1/8			23,4/13,5	8,0	107,7/62,2
4DC-7.2(Y)	1											88,5	9,0	142,8/82,4
4CC-6.2(Y)	2	32,5	4	2,0	90,5	22	7/8	28	1 1/8			27,5/15,9	9,0	142,8/82,4
4CC-9.2(Y)	1											90,5	11,6	142,8/82,4
4VCS-6.2(Y)	2	34,7	4	2,6	129	22	7/8	28	1 1/8		PW ^④ 380..420YY/3/50 440..480YY/3/60	14	8,1	39/68
4VCS-10.2(Y)	1											139	11,3	59/55
4TCS-8.2(Y)	2	41,3	4	2,6	134	28	1 1/8	35	1 3/8			17	9,4	49/81
4TCS-12.2(Y)	1											141	13,8	69/113
4PCS-10.2(Y)	2	48,5	4	2,6	139	28	1 1/8	35	1 3/8			21	11,7	59/99
4PCS-15.2(Y)	1											147	16,3	81/132
4NCS-12.2(Y)	2	56,2	4	2,6	141	28	1 1/8	35	1 3/8	50		24	14,1	69/113
4NCS-20.2(Y)	1											150	19,5	97/158
4J-13.2(Y)	2	63,5	4	4,0	179	28	1 1/8	42	1 5/8			27	15,7	81/132
4J-22.2(Y)	1											190	39	21,5
4H-15.2(Y)	2	73,7	4	4,0	183	28	1 1/8	42	1 5/8			31	18,1	81/132
4H-25.2(Y)	1											4,5	203	54
4G-20.2(Y)	2	84,6	4	4,5	192	28	1 1/8	54	2 1/8			37	21,5	97/158
4G-30.2(Y)	1											206	53	30,1

比泽尔半封闭压缩机

SEMI-HERMETIC BITZER SERIES COMPRESSOR

Technische Daten

Verdichter Typ	Motor Version	Förder- volumen bei 1450 min ⁻¹	Anzahl der Zylinder	Öl- füllung	Gewicht	Rohranschlüsse				CR	Motor- Anschluss	Elektrische Daten		Anlauf- strom (Rotor blockiert)	
Compressor type	Motor version	Displace- ment at 1450 min ⁻¹	Number of cylinders	Oil charge	Weight	DL	SL			CR		Max. operating current	Max. power con- sumption		Starting current (locked rotor)
						Druckleitung	Saugleitung								
压缩机 型号	电机 类型	1450转 / 分 排气量 m ³ /h	气缸数	注油量 dm ³	重量 kg	接管				能 量 调 节 % ^①	电 源 Volt ^②	电 气 参 数		启动电流 (堵转) Amp. ^⑤	
						排气管 (DL) 毫米 英寸	吸气管 (SL) 毫米 英寸					最大工作 电 流 Amp. ^③	最大功率 消耗 kW ^④		
6J-22.2(Y)	2	95,3	6	4,75	213	35	1 ³ / ₈	54	2 ¹ / ₈	66 或 33	380..420YY/3/50 440..480 YY/3/60	39	23,5	116/193	
6J-33.2(Y)	1				231							60	32,2	147/262	
6H-25.2(Y)	2	110,5	6	4,75	224	35	1 ³ / ₈	54	2 ¹ / ₈			45	27,2	116/193	
6H-35.2(Y)	1				235							61	37,4	147/262	
6G-30.2(Y)	2	126,8	6	4,75	228	35	1 ³ / ₈	54	2 ¹ / ₈			53	31,9	135/220	
6G-40.2(Y)	1				238							78	45,1	180/323	
6F-40.2(Y)	2	151,6	6	4,75	239	42	1 ⁵ / ₈	54	2 ¹ / ₈	75 或 50	380, 400YY/3/50 440..460 YY/3/60	78	38,6	180/323	
6F-50.2(Y)	1				241							92	53,2	226/404	
8GC-50.2(Y)	2	185	8	5,0	342	42	1 ⁵ / ₈	76	3 ¹ / ₈	75 或 50	380..420 △ △/3/50 440..480 △ △/3/60	92	50,5	285/426	
8GC-60.2(Y)	1				350							113	62,5	340/500	
8FC-60.2(Y)	2	221	8	5,0	361	54	2 ¹ / ₈	76	3 ¹ / ₈			113	62,5	340/500	
8FC-70.2(Y)	1				374							139	77,8	380/570	

Ölumpfheizung

- 230V
- 2KC-05.2(Y) .. 2FC-3.2(Y): 0 .. 60 W
- PTC-Heizung selbst-regulierend
- 2EC-2.2(Y) .. 4CC-9.2(Y): 0 .. 120 W
- PTC-Heizung selbst-regulierend
- 4VCS-6.2(Y) .. 4NCS-20.2(Y): 0 .. 140 W
- PTC-Heizung selbst-regulierend
- 4J-13.2(Y) .. 8FC-700): 140 W
- obligatorisch bei
- Außenaufstellung des Verdichters
- langen Stillstandszeiten
- großer Kältemittel-Füllmenge
- Gefahr von Kältemittel-Kondensation in dem Verdichter

Erläuterungen

- CR Leistungsregler (Option)
220 .. 240 V/1/50/60 Hz
- Toleranz (±10%) bezogen auf Mit-
telwert des Spannungsbereichs.
Andere Spannungen und Stromarten
auf Anfrage
- Für die Auslegung von Schützen,
Zuleitungen und Sicherungen max.
Betriebsstrom / max. Leistungsauf-
nahme berücksichtigen. Siehe auch ④
Schütze: Gebrauchskategorie AC3
Motorschutze auf ca. 60% des maxi-
malen Betriebsstroms auslegen.
(Bei den Verdichtern 8GC-50.2(Y) ..
FC-70.2(Y) 1. Schütz auf 70%, 2.
Schütz auf 50% des maximalen Be-
triebsstroms auslegen.)
- Motor für Teilwicklungsanlauf (Part
Winding)
 - 4VCS-6.2(Y) .. 6F-50.2(Y) Y/YY
Wicklungsteilung 50%/50%
 - 5GC-50.2(Y) .. 8FC-70.2(Y) △/△△
Wicklungsteilung 60%/40%
 - Ausführung für Y/△auf Anfrage
- Daten für Verdichter mit Spannungsbereich
380 .. 420 V (220 .. 240 V)
basieren auf Mittelwert 400 V (230 V).
Umrechnungsfaktor:
380 V (220 V) 0.95
420 V (240 V) 1.05

Technical data

Gewicht	Rohranschlüsse				CR –Stufen–	Motor– Anschluss	Elektrische Daten		Anlauf- strom (Rotor blockiert)
	DL Druckleitung	SL Saugleitung	max. Betriebs- strom	max. Leistungs- aufnahme					
Weight	mm	Zoll	mm	Zoll	CR – Steps –	Motor connection	Electrical Data		Starting current (locked rotor)
	DL Discharge line	SL Suction line	Max. operating current	Max. power con- sumption					
重量	接管				能 量 调 节 % ①	电 源	电 气 参 数		启动电流 (堵转)
	排气管 (DL)	吸气管 (SL)	最大工作 电 流	最大功率 消耗					
kg	毫米	英寸	毫米	英寸		Volt ②	Amp.③	kW.④	Amp. ⑤
213					66 或 33	380..420YY/3/50 440..480 YY/3/60 PW ④	39	23,5	116/193
231	35	1 ³ / ₈	54	2 ¹ / ₈			60	32,2	147/262
224	35	1 ³ / ₈	54	2 ¹ / ₈			45	27,2	116/193
235							61	37,4	147/262
228	35	1 ³ / ₈	54	2 ¹ / ₈			53	31,9	135/220
238							78	45,1	180/323
239	42	1 ⁵ / ₈	54	2 ¹ / ₈	78	38,6	180/323		
241					380..400YY/3/50 440..460 YY/3/60	92	53,2	226/404	
342	42	1 ⁵ / ₈	76	3 ¹ / ₈	75 或 50	380..420 △ △/3/50 440..480 △ △/3/60 PW ④	92	50,5	285/426
350							113	62,5	340/500
361	54	2 ¹ / ₈	76	3 ¹ / ₈	50		113	62,5	340/500
374							139	77,8	380/570

Crankcase heater

- 230V
- 2KC-05.2(Y) .. 2FC-3.2(Y): 0 .. 60 W
- self-regulating PTC heater
- 2EC-2.2(Y) .. 4CC-9.2(Y): 0 .. 120 W
- self-regulating PTC heater
- 4VCS-6.2(Y) .. 4NCS-20.2(Y): 0 .. 140 W
- self-regulating PTC heater
- 4J-13.2(Y) .. 8FC-70.2(Y): 140 W
- mandatory in case of
- outdoor installation of the compressor
- long shut-off periods
- high refrigerant charge
- danger of refrigerant condensation into the compressor

Explanations

- CR Capacity control (option)
220 .. 240 V/1/50/60 Hz
- Tolerance (±10%) based on mean
value of voltage range. Other voltages
and electrical supplies upon request.
- For the selection of contactors, cables
and fuses the max. operating current /
max. power consumption must be
considered. See also ④
Contactors: operational category AC3
Select motor contactors for approx.
60% of the maximum operating current.
(Select for the compressors
8GC-50.2(Y) .. 8FC-70.2(Y) 1st contactor
for approx. 70% and 2nd contactor
for approx. 50% of the maximum operating
current.)
- Motor for Part-Winding start
 - 4VCS-6.2(Y) .. 6F-50.2(Y) Y/YY
winding partition 50%/50%
 - 8GC-50.2(Y) .. 8FC-70.2(Y) △/△△
winding partition 60%/40%
 - Y/△version upon request
- Data for compressors with voltage
380 .. 420 V (220 .. 240 V) are based
on a mean voltage of 400 V (230 V).
Conversion factors:
380 V (220 V) 0.95
420 V (240 V) 1.05

技术参数

电 源	Electrical Data		Starting current (locked rotor)
	Max. operating current	Max. power consumption	
电 气 参 数			
最大工作电 流	最大功率消耗	启动电流 (堵转)	
Volt ②	Amp. ③	kW ④	Amp. ⑤
420YY/3/50 480 YY/3/60	39	23,5	116/193
	60	32,2	147/262
	45	27,2	116/193
	61	37,4	147/262
PW ④	53	31,9	135/220
	78	45,1	180/323
	78	38,6	180/323
400YY/3/50 460 YY/3/60	92	53,2	226/404
PW ④	92	50,5	285/426
	113	62,5	340/500
	113	62,5	340/500
	139	77,8	380/570

曲轴箱加热器

- 230V
- 2KC-05.2(Y) .. 2FC-3.2(Y): 0 .. 60 W
- 带温控的PTC加热器
- 2EC-2.2(Y) .. 4CC-9.2(Y): 0 .. 120 W
- 带温控的PTC加热器
- 4VCS-6.2(Y) .. 4NCS-20.2(Y): 0 .. 140 W
- 带温控的PTC加热器
- 4J-13.2(Y) .. 8FC-70.2(Y): 140 W
- 以下情况必须配置曲轴箱加热器
- 压缩机安装于室外
- 长期停车
- 制冷剂充注量大
- 存在制冷剂在压缩机内冷凝的危险

解释

- 能量调节装置 (选购件)
220 .. 240 V/1/50/60 Hz
- 允差为平均电压的 ±10% , 根据
要求可提供其它电源
- 在选择电流接触器、电源线、熔断器时,
必须考虑最大工作电流和最大功率消
耗。参见 ④
电流接触器: 运行种类AC3
电机接触器按最大工作电流的约60%选择
(压缩机8GC-50.2(Y) .. 8FC-70.2(Y) 的
第一接触器按最大工作电流的约70% 选择,
第二接触器按约50% 选择)。
- 电机为分线圈启动电机,
 - 4VCS-6.2(Y) .. 6F-50.2(Y) Y/YY
分线圈50%/50%
 - 8GC-50.2(Y) .. 8FC-70.2(Y) △/△△
分线圈60%/40%
 - 根据要求可提供 / △电机
- 电压380 .. 420 V (220 .. 240 V) 压缩
机参数基于平均电压400V (230V)。
换算系数:
380 V (220 V) 0.95
420 V (240 V) 1.05

谷轮 S 系列半封闭压缩机系列

SEMI-HERMETIC COPELAND S SERIES COMPRESSOR

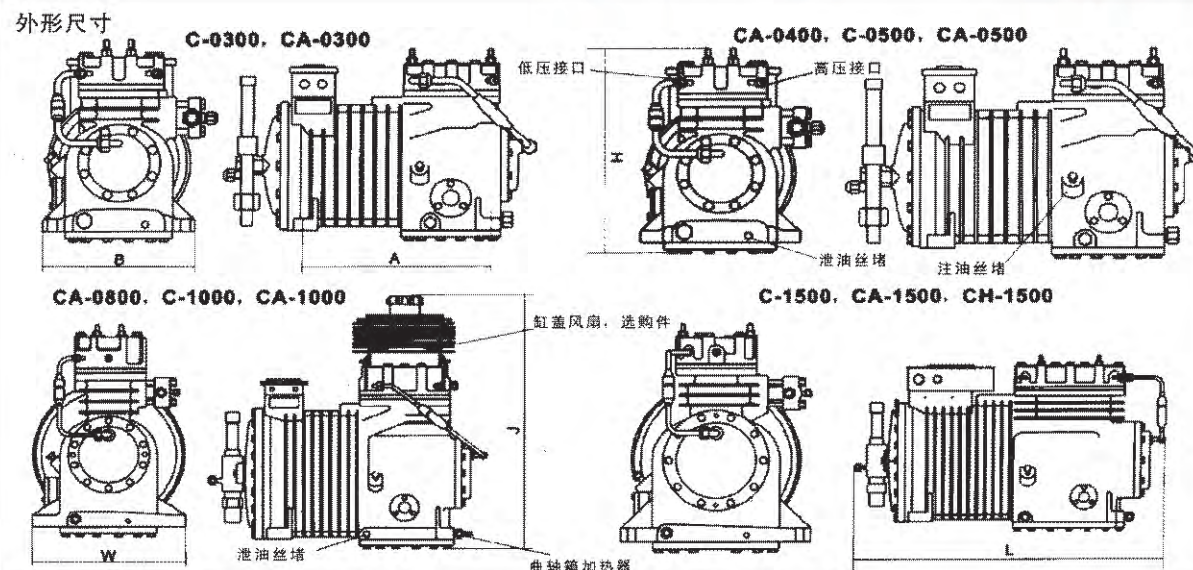
S 系列 Series

技术参数 Technical Data

型号	2SCW-0550 2SCW-0550 AIR 2SCW-055E	2SKW-0750 2SKW-075E	3SC1-1000 3SC1-100E	3SS1-1500 3SS1-150E	4SLW-1500 4SLW-150E	4SAH-2000 4SAH-200E	4STW-2000 4SVW-200E	4SHH-2500 4SHH-250E	4SJH-3000 4SJH-300E
Power/名义功率 (马力)	5.5	7.5	10	15	15	20	20	25	30
No.of cylinder/气缸数量	2	2	3	3	4	4	4	4	4
缸径*行程 (毫米)	60.3/54	65.1/54	60.4/50.8	61.9/63.5	68.3/55.6	63.5/50.8	74.7/55.6	68.3/55.6	74.7/55.6
Displacement(cm ³)	26.8	31.2	38.0	49.9	70.8/85.0	56/67.2	84.7/101.6	70.8/85.0	84.7/101.6
排气量 (立方米/小时)(50Hz)									
堵转电流 (启动) (安 培)									
TFD			70	129					
EWL 380-420V 3PH 50Hz	74.1	85.3							
EWK 380-420V/220-240V 3PH 60Hz						163-180/282-312	203-224/354-386	180-199/312-345	228-252/397433
AWMD 380-420V 3PH 50Hz/440-480V 3PH 60Hz						125-140/118-132	158-175/164-178	143-160/137-154	180-198/183-200
									200-221/198-213
最大工作电流 (安 培)									
TFD			17.0	24.1					
EWL 380-420V 3PH 50Hz	13.1	16.4							
EWK 380-420V/220-240V 3PH 60Hz					37.3/64.6	37.9/66.4	41.8/72.4	50.9/89.0	57.6/101
AWMD 380-420V 3PH 50Hz/440-480V 3PH 60Hz					42.1/72.9		47.5/82.3		58.0/101
					31.1/31.1	31.6/31.6	34.9/34.9	42.4/42.4	48.0/48.0
					35.1/35.1		39.6/39.6		48.3/48.3
曲轴箱加热器功率 (瓦)	70	70	70	70	100	100	100	100	100
Crankcase heater Power									
接管尺寸 (英寸)									
Discharge Lin (inch)/排气管接管	7/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 1/8"	1 3

谷轮 C 系列半封闭压缩机系列

SEMI-HERMETIC COPELAND C SERIES COMPRESSOR



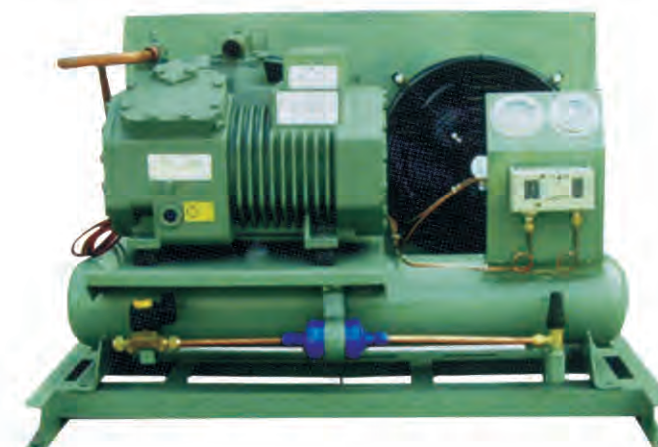
技术参数 Technical Data

型号 / Model	C-0300	C-0300	C-0400	C-0500	CA-0500	CA-0800	C-1000	CA-1000	C-1500	CA-1500	CH-1500
可供应电机 / Motor	TFC	TFC	TFC	TFC	TFC	TWC	TWC	TWC	TWC	TWC	TWC
电机绕组 / Machine winding	星形接法	星形接法	星形接法	星形接法	星形接法	三角形接法	三角形接法	三角形接法	三角形接法	三角形接法	三角形接法
名义功率 (马力) / Power	3	3	4	5	5	8	10	10	15	15	15
缸数缸径X行程 (毫米) / No. of cylinder	2	2	2	2	2	2	2	2	3	3	3
缸径X行程 (毫米)	47.6x39.2	47.6x39.2	54x37	54x46	54x46	64x64	64x64	64x64	64x64	64x64	64x64
排气量 (立方米/小时)	12.2/14.6	12.2/14.6	14.7/17.8	18.4/22.1	18.4/22.1	26.6/32.1	36/32.2	36/43.2	54/64.8	54/64.8	54/64.8
Displacement (cm³)											
启动电流 (LRA) (安培)											
TFC 200-3-50/60 内置式保护器	48-52	58-64	76-88	76-88	105-116						
TWC 200-3-50/60 电子式保护器						147-158	187-196	224-252	265-300	324-367	
TWM 380/400-3-50 内置式保护器	24-26	30-32	38-44	38-44	53-58						
TWM 380/400-3-50 电子式保护器						74-81	93-103	112-126	133-150	162-184	162-184
最大工作电流 (MCC) (安培)											
TFC和TWC电机	11.5	12.7	16.7	16.7	19.0	33.0	37.0	42.2	52.0	56.0	
TFM和TWM电机	5.2	5.7	7.6	7.6	8.6	15	15.6	17.6	22.3	24.3	28.0
接管尺寸 (毫米)											
排气阀接管 / Discharge Lin (inch)	19.5	19.5	19.5	19.5	19.5	25.4	25.4	25.4	28.0	28.0	28.0
吸气阀接管 / Suction Lin (inch)	19.5	19.5	25.0	25.0	25.0	31.8	31.8	31.8	38.0	38.0	38.0
曲轴箱加热器功率 (瓦)	60	60	60	60	60	120	120	120	180	180	180
Crankcase heater Power											
尺寸 (毫米) / Dimensions											
长 (L)	518	518	585	585	585	624	624	624	748	748	800
宽 (W)	261	261	282	282	282	320	320	320	356	356	356
高 (不带风扇) (H)	305	321	380	363	380	466	449	466	431	448	431
高 (带风扇) (J)		477	536		536	622		622		604	
底部安装尺寸 (AXB)	310x200	310x200	355x230	355x230	355x230	380x280	380x280	380x280	480x315	480x315	480x315
油充注量 (升) / Fuel injection	1.25	1.25	1.85	1.85	1.85	3.5	3.5	3.5	4.8	4.8	4.8
重量 (千克) / Weight (KG)											
净重 / Net.W	62	63	85	87	91	133	137	140	172	175	181
毛重 / Gross.W	70	71	94	96	100	143	147	150	183	186	192

- 注:
- 1.电机冷却方式为制冷剂冷却。
 - 2.所有型号电机适合于直接启动。
 - 3.电机转速50赫兹/60赫兹时分别为1450/1750转/分钟。
 - 4.所有型号的润滑方式为飞溅式，且旋转方式可逆。
 - 5.谷轮认可的冷却机油: Suniso 3GS, Shell 22-12, Texaco WF32, Fuchs KM.
 - 6.压缩机最大工作压力: 高压侧26bar, 低压侧14bar.
 - 7.截止阀高/低压接口的接管规格: $\phi 6$ 铜管, 喇叭口。
 - 8.注油丝堵规格: 1/4" BSP (R1/4)。
 - 9.泄油丝堵规格: 1/4" BSP (R1/4)。
 - 10.曲轴箱加热器套管规格: 1/2" BSP (R1/2)。
 - 11.压缩机底部脚孔尺寸: $\phi 15$ mm。
 - 12.CH-1500有特殊的高温阀板, 适用于空调工况。
- 使用范围:
最高排气温度 (排气管表面): 135℃。最大过热度: 30℃。最高油温: 80℃。最高电机温度: 105℃。
电机端电压: 额定电压 $\pm 10\%$ 。每小时最多启动5次, 环境温度: -15℃~40℃

比泽尔半封闭压缩机

SEMI-HERMETIC BITZER SERIES COMPRESSOR



SPECIFICATION

压缩机型号 Compressor model	功率 Power	制冷量 Capacity	接管规格 Connection		外形尺寸 Outline Size			安装尺寸 Installing Size	
	KW	W	回气管 Suction Line	液管 Liquid Line	A	B	C	a	b
2HC-2.2	1.94	3380	$\phi 16$	$\phi 10$	620	650	560	580	350
2GC-2.2	2.23	3990	$\phi 16$	$\phi 10$	620	650	560	580	350
2FC-3.2	2.7	4820	$\phi 16$	$\phi 10$	620	650	560	580	350
2EC-3.2	3.34	5670	$\phi 22$	$\phi 12$	960	680	460	920	380
2DC-3.2	3.88	6780	$\phi 22$	$\phi 12$	960	680	510	920	380
2CC-4.2	4.92	8350	$\phi 22$	$\phi 12$	1060	680	720	1020	380
4FC-5.2	5.21	9640	$\phi 22$	$\phi 12$	1300	750	670	1260	410
4EC-6.2	6.23	11850	$\phi 28$	$\phi 12$	1300	750	770	1260	410
4DC-7.2	7.72	14480	$\phi 28$	$\phi 16$	1300	750	870	1260	410
4CC-9.2	7.98	17500	$\phi 28$	$\phi 16$	1280	710	1010	1000	665
4VCS-10.2	7.91	19190	$\phi 28$	$\phi 16$	1280	710	1010	1000	665
4TCS-12.2	9.85	23150	$\phi 35$	$\phi 16$	1280	710	1210	1000	665
4PCS-15.2	11.2	27700	$\phi 35$	$\phi 22$	1280	750	1460	1000	705
4NCS-20.2	14.1	32150	$\phi 42$	$\phi 22$	1350	800	1410	1000	755
4H-25.2	18.1	42250	$\phi 54$	$\phi 22$	1150	570	860	800	525
4G-30.2	21.1	48500	$\phi 54$	$\phi 22$	1150	570	852	800	525
6H-35.2	26.7	63400	$\phi 54$	$\phi 28$	1050	600	910	800	555
6G-40.2	31	72800	$\phi 54$	$\phi 28$	1050	600	910	800	555
6F-50.2	37.9	86300	$\phi 54$	$\phi 35$	1600	610	880	1000	550
2HC-1.2	1.37	1880	$\phi 16$	$\phi 10$	620	650	510	580	350
2FC-2.2	1.85	2700	$\phi 16$	$\phi 10$	620	650	510	580	350
2EC-2.2	2.22	3150	$\phi 22$	$\phi 10$	620	650	560	580	350
2DC-2.2	2.64	3520	$\phi 22$	$\phi 12$	960	680	470	920	380
2CC-3.2	3.03	4450	$\phi 22$	$\phi 12$	960	680	520	920	380
4FC-3.2	3.6	4960	$\phi 22$	$\phi 12$	1060	680	620	1020	380
4EC-4.2	4.37	6160	$\phi 22$	$\phi 12$	1300	750	670	1260	410
4DC-5.2	5.0	7280	$\phi 28$	$\phi 12$	1300	750	770	1260	410
4CC-6.2	6.2	8390	$\phi 28$	$\phi 12$	1300	750	870	1260	410
4TCS-8.2	7.38	11880	$\phi 35$	$\phi 16$	1280	710	1010	1000	665
4PCS-10.2	8.67	13800	$\phi 35$	$\phi 16$	1280	710	1210	1000	665
4NCS-12.2	10	16150	$\phi 35$	$\phi 16$	1280	750	1460	1000	705
4H-15.2	13.9	21100	$\phi 42$	$\phi 22$	1350	850	1410	1000	805
4G-20.2	16.4	24450	$\phi 54$	$\phi 22$	1350	850	1410	1000	805
6H-25.2	20.7	31700	$\phi 54$	$\phi 22$	1150	570	850	800	525
6G-30.2	24.3	36700	$\phi 54$	$\phi 22$	1150	570	850	800	525
6F-40.2	29.6	44100	$\phi 54$	$\phi 28$	1050	600	910	800	555

谷轮半封闭压缩机系列
COPELAND SERIES COMPRESSORS & CONDENSING UNITS

半封闭风冷机组



艾默生COPELAND 压缩机型号	GAS	蒸发温度(制冷量KW) / Evaporating Temperature℃										
		-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5
LA10-020E	R404A		0.6	1.1	1.7	2.4	3.1	4.5	5.1	6.4	7.8	9.4
LA20-020E	R404A		1	1.6	2.3	3.1	4					
LA20-030E	R404A	0.7	1.3	1.9	2.6	3.5	4.6	5.8	7.2	8.8	10.7	12.8
LA40-030E	R404A	0.9	1.7	2.6	3.7	5	6.5					
LA40-040E	R404A	1.1	1.8	2.7	3.7	4.9	6.4	8.2	10.2	12.6	15.3	18.4
LA50-040E	R404A	1.4	2.4	3.5	4.8	6.4	8.2					

艾默生COPELAND 压缩机型号	GAS	蒸发温度(制冷量KW) / Evaporating Temperature℃						
		-25	-20	-15	-10	-5	0	5
C-0300	R22	2.73	3.37	4.53	5.82	7.38		
CA-0400	R22	3.84	4.25	5.7	7.27	9.2	10.82	13.25
C-0500	R22	5.3	6.05	7.62	9.6	11.75		
CA-0800	R22	7.27	8.25	10.5	13.48	16.97	20.93	25.58
C-1000	R22	10.7	12.1	15.35	19.42	23.73		
C-1500	R22	15.7	17.8	22.56	28.26	34.89		
CH-1500	R22			22.56	27.03	34.19	42.56	50.32



艾默生COPELAND 压缩机型号	GAS	蒸发温度(制冷量KW) / Evaporating Temperature℃									
		-45	-40	-35	-30	-25	-20	-15	-10	-5	
C-0300	R22		2.1	2.6	4.2	6	8.2	10.7	13.6	16.9	
CA-0400	R22		3.3	3.7	5.5	7.6	10.3	13	16.1	19.8	
C-0500	R22	2	3.3	4.8	6.7	9	11.9	15.4	19.4	23.9	
CA-0800	R22	2.6	4.5	6.7	9.2	12.4	16.1	20.6	25.7	31.5	
C-1000	R22	4.5	6.8	9.7	13	17.3	22.4	28.7	35.8	44	
C-1500	R22	5.2	7.8	11.2	15.1	20.1	26.2	33.6	41.9	51.6	
CH-1500	R22	6.1	9.4	13.7	18.7	25	32.5	41.4	51.2	62.2	
		7.2	11.2	16.1	21.8	29	37.6	48.2	60	73.6	
		9.7	14.8	21.2	28.5	37.8	49	62.7	77.9	95.5	

艾默生COPELAND 压缩机型号	GAS	蒸发温度(制冷量KW) / Evaporating Temperature℃									
		-25	-20	-15	-10	-5	0	5	10	12.5	
3SCH-1000	R22	8.6	11.7	14.8	18.6	23	28.3	34.4	41.5	45.5	
3SSH-1500	R22	12.4	16.4	20.6	25.6	31.4	38.2	46	55	60	
4SAH-2000	R22	13.9	18.2	23.5	29.2	36	43.7	52.7	63	68.6	
4SHH-2500	R22	17.2	22.9	29.8	37.2	45.9	55.8	67.2	80.3	87.5	
4SJH-3000	R22	19.2	26	34.5	43.5	53.9	65.9	79.6	95.4	104	
6SHH-3500	R22	25.9	33.8	43.6	54.1	66.1	80.1	96.1	114.5	124.5	
6SJH-4000	R22	27.9	37.8	50.2	63.2	78.3	95.6	115.5	138.5	151	
6SKH-5000	R22	35.1	46.4	60.8	76.2	94.1	115	139	166.5	181.5	

艾默生COPELAND 压缩机型号	GAS	蒸发温度(制冷量KW) / Evaporating Temperature℃									
		-60	-55	-50	-45	-40	-35	-30	-25	-20	
6TAW-150E	R404A	5.9	7.8	9.9	12.4	15.3	18.6	22.3	26.4	31	
6THW-200E	R404A	7.4	9.6	12.3	15.4	19	23	27.6	32.7	38.4	
6TJW-250E	R404A	8.6	11.3	14.5	18.1	22.3	27	32.4	38.4	45.1	
6TKW-300E	R404A	10.3	13.5	17.2	21.5	26.5	32.1	38.5	45.6	53.6	

测试条件上: 冷凝温度40℃, 吸气温度20℃, 无过冷度

附加缸头风扇, 吸气过热度20K以下

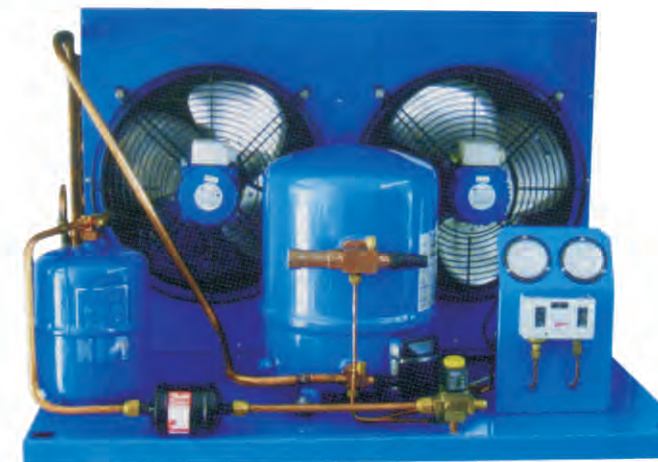
为冷凝温度30℃时数据, 附加缸头风扇, 吸气过热度20K以下

附加DTC阀组件及缸头风扇



美优乐压缩机系列
MANEUROP AIR-COOLED CONDENSING UNITS

Maneurop系列压缩机组 Maneurop Air-cooled Condensing Units



产品说明 SPECIFICATION

产品型号 Model	蒸发温度 Evap.Temp℃	+5℃		0℃		-5℃		-10℃		-15℃	
	条件温度 Amb.Temp℃	制冷器容量 Refri-gerant Charge	输入功率 Input Power	制冷器容量 Refri-gerant Charge	输入功率 Input Power	制冷器容量 Refri-gerant Charge	输入功率 Input Power	制冷器容量 Refri-gerant Charge	输入功率 Input Power	制冷器容量 Refri-gerant Charge	输入功率 Input Power
MT028	27	6550	2.4	5600	2.2	4710	2	3870	1.8	3100	1.6
	32	6120	2.5	5200	2.3	4380	2	3580	1.8	2850	1.6
	38	5580	2.7	4760	2.4	3980	2.1	3230	1.9	2550	1.6
MT032	27	7610	2.7	6410	2.4	5320	2.2	4330	2	3460	1.8
	32	7130	2.8	6000	2.6	4950	2.3	4010	2.1	3170	1.9
	38	6560	3	5510	2.7	4530	2.4	3640	2.2	2940	1.9
MT036	27	8480	3.1	7270	2.8	6130	2.5	5070	2.3	4100	2
	32	7950	3.3	6800	3	5720	2.6	4700	2.4	3700	2.1
	38	7300	3.1	6230	3.1	5200	2.8	4250	2.5	3370	2.2
MT040	27	9670	3.5	8200	3.1	6820	2.8	5630	2.5	4540	2.2
	32	9170	3.7	7740	3.3	6430	3	5240	2.7	4180	2.3
	38	8550	3.9	7190	3.5	5930	3.1	4770	2.8	3740	2.4
MT050	27	11680	3.9	9710	3.5	7980	3.1	6460	2.8	5160	2.4
	32	10940	4.1	9090	3.7	7430	3.3	5990	2.9	4760	2.5
	38	10060	4.3	8302	3.8	6780	3.4	5430	3	4270	2.7
MT064	27	15110	5	12670	4.5	10450	4.1	8460	3.6	6700	3.2
	32	14180	5.3	11880	4.8	9770	4.3	7870	3.8	6180	3.3
	38	13080	5.6	10940	5.1	8970	4.5	7190	4.0	5600	3.5
MT080	27	18890	6.2	15950	5.6	13220	5.1	10750	4.5	8530	4
	32	17760	6.6	14970	5.9	12380	5.3	10030	4.7	7900	4.2
	38	16420	7	13840	6.3	11420	5.7	9210	5	7200	4.5
MT0100	27	23330	6.9	19520	6.5	16110	6	13080	5.5	10460	5
	32	21770	7.3	18150	6.8	14880	6.2	12000	5.7	9470	5.1
	38	19940	7.8	16560	7.1	13490	6.5	10760	5.9	8390	5.3
MT0125	27	29610	9.4	24950	8.6	20170	7.9	16910	7.1	13550	6.4
	32	27620	9.9	23280	9.1	19280	8.2	15680	7.5	12490	6.7
	38	25260	10.6	21240	9.6	17560	8.7	14230	7.8	11280	7
MT0144	27	32480	10.8	27480	9.9	22900	9	18770	8.1	15120	7.3
	32	30180	11.4	25530	10.4	21250	9.4	17360	8.5	13910	7.6
	38	27480	12.1	23230	10.9	19300	9.8	15710	8.8	12520	7.9
MT0160	27	35950	12.2	30440	11.1	25350	10.1	20780	9.1	16740	8.2
	32	33520	12.8	28330	11.6	23560	10.5	19250	9.5	15450	8.5
	38	30550	13.6	25810	12.3	21440	11	17480	9.9	13950	8.9



中低温室外机技术参数 MED/LOW TEMP (OUTDOOR)

机组型号 Model	名义马力 Nominal Power(H.P.)	制冷量(W)/Refrigerating Capacity		
		冷凝温度(°C) Condensing temperature	蒸发温度(°C)/Evaporating Temperature	
			-15	-20
T0300M	3.0HP	54	4045	3060
T0400M	4.0HP	54	4750	3910
T0500M	5.0HP	54	6160	4700
T0600M	6.0HP	54	7185	5340
T0700M	7.0HP	54	7940	6510
T0800M	8.0HP	54	9150	7490
T1000M	10.0HP	54	11330	10750
T1500M	15.0HP	54	15550	13660

中低温室内机规格及参数 MED/LOW TEMP(INDOOR)

型号 Model	外形尺寸/Dimensions			连接管 Connecting pipe	220V 电融箱 Electric melting box	蒸发能力 △t=8℃ Evaporative Capacity	面积 Area	风量 Blowing Rate	射程 Range	风扇x数量 Fan X Quantity
	H	B	T	进/出口 In/Out						
	mm			φ (mm)	(KW)	(KW)	M ²	M ³ /h	M	C(mm)XN
TDD12	525	390	390	12/22	2.2	3.54	12	2340	8	300 x 2
TDD15	525	390	390	12/22	2.8	4.62	15	2340	8	300 x 2
TDD22	525	390	390	12/22	3.2	6.31	22	3510	8	300 x 2
TDD30	465	390	390	16/28	3.2	8.90	30	6800	10	400 x 2
TDD40	465	390	390	16/28	5.0	11.49	40	6800	10	400 x 2
TDD60	525	390	390	16/32	6.4	17.64	60	12000	15	500 x 2

中低温冷库成套机组配比表 MED/LOWCONDENSING UNITS

室外机组型号 Outdoor unit model	室内机型号 Indoor model	推荐冷库容积(m³) Cold storage volume	应用范围 Applied range
T0200M	TDD12	8-10	医疗、化工、食品、 饮料、电子、农业、 畜牧业、水产养殖等 Medical treatment, chemical industry, foodstuff,drink, electron,agriculture, animal husbandry, Aquaculture etc.
T0300M	TDD15	12-15	
T0400M	TDD22	18-23	
T0500M	TDD30	23-30	
T0600M	TDD40	25-33	
T0700M	TDD60	30-35	
T0800M	TDD80	35-45	
T1000M	TDD100	45-60	
T1500M	TDD120	70-100	

中高温室外机技术参数 HI/MED TEMP (OUTDOOR)

机组型号 Model	名义马力 Nominal Power(H.P.)	制冷量(W)/Refrigerating Capacity			
		冷凝温度(°C) Condensing temperature	蒸发温度(°C)/Evaporating Temperature		
			7.2	5	-5
T0150H	1.5HP	54	3800	3420	2100
T0200H	2.0HP	54	5800	5300	3405
T0300H	3.0HP	54	7940	6860	4205
T0400H	4.0HP	54	10925	8860	5140
T0500H	5.0HP	54	13870	12100	7210
T0600H	6.0HP	54	15340	13420	7620
T0700H	7.0HP	54	18297	15920	9390
T0800H	8.0HP	54	21145	18540	11160
T1000H	10.0HP	54	27423	25020	15530
T1500H	15.0HP	54	42650	38910	23240

中高温室内机规格及参数 HI/MED TEMP(INDOOR)

型号 Model	外型尺寸/Dimensions			连接管 Connecting pipe	220V 电融箱	蒸发能力 △t=8℃	面积	风量	射程	风扇×数量
	H	B	T	进/出口 In/Out	Electric melting box	Evaporative Capacity	Area	Blowing Rate	Range	Fan X Quantity
	mm			φ (mm)	(KW)	(KW)	M²	M³/h	M	C(mm)X
TDL15	525	910	390	12/22	2.2	3.54	15	2340	8	300 x 1
TDL25	525	1110	390	12/22	2.8	4.62	25	2340	8	300 x 2
TDL30	525	1270	390	12/22	3.2	6.31	30	3510	8	300 x 2
TDL40	465	1760	390	16/28	3.2	8.90	40	6800	10	400 x 2
TDL60	465	2110	390	16/28	5.0	11.49	60	6800	10	400 x 2
TDL80	525	2410	390	16/32	6.4	17.64	80	12000	15	500 x 2

中高温冷库成套机组配比表 CONDENSING UNITS

室外机组型号 Outdoor unit model	室内机型号 Indoor model	推荐冷库容积(m³) Cold storage volume	应用范围 Applied range
T0150H	TDE7.5	10-15	医疗、化工、食品、 饮料、电子、农业、 畜牧业、水产养殖等 Medical treatment, chemical industry, foodstuff,drink, electron,agriculture, animal husbandry, Aquaculture etc.
T0200H	TDL15	20-30	
T0300H	TDL25	40-50	
T0400H	TDL30	50-60	
T0500H	TDL40	60-80	
T0600H	TDL60	80-100	
T0700H	TDL80	100-120	
T0800H	TDL105	120-150	
T1000H	TDL125	150-180	
T1500H	TDL160	180-230	



◆仿库宝吊顶式冷风机

DD型系列冷风机电溶霜与暖风溶霜的主要技术参数表
Main Technical Parameter of DD Series Air-Cooler

Model	*名义制冷量W(Kcal/h) Capacity t _库 = -18℃ Δt = t _库 - t ₀ = 7℃	冷却面积 (m ²) Area of cooling surface	片距 (mm) Pitch of fins	风机/Air-Cooler						融霜功率/Melts frost power				重量 (kg)	备注 Remark
				数目 (台) Unit	直径D (mm) diameter	风量 (m ³ /h) Blowing rate	风压Pa (mmH ₂ O)	风机电机 功率(w) Motor capacity	电机电压 (V) Motor voltage	盘管 (kw) Coiler	水盘 (kw) Water Cooler	暖风 (kw) Warmair	电压 (V) Voltage		
DD-1.3/7	140(1200)	7	6	1	Ø 330	1700	98(10)	90	380	0.9	0.6	2	220	27	可用于 R134a R404A 和 R507
DD-2.35/12	2350(2000)	12	6	2	Ø 330	2x1700	98(10)	2x90	380	1.8	0.9	2	220	40	
DD-3.0/15	3000(2600)	15	6	2	Ø 330	2x1700	98(10)	2x90	380	1.8	0.9	2	220	46	
DD-4.0/22	4000(3450)	21.5	6	3	Ø 330	3x1700	98(10)	3x90	380	1.8	1.2	2	220	55	
DD-6.0/30	6000(5150)	30	6	2	Ø 400	2x3000	118(12)	2x250	380	2.6	1.3	2	220	100	
DD-8.0/40	8000(6900)	40	6	2	Ø 400	2x3000	118(12)	2x250	380	3.6	1.8	2	220	112	
DD-12.0/60	12000(10300)	60	6	2	Ø 500	2x6000	147(15)	2x550	380	6.5	1.3	4	220	160	
DD-15.9/80	15900(13700)	80	6	2	Ø 500	2x6000	167(17)	2x550	380	8.5	1.7	4	220	180	
DD-20.0/100	20000(17200)	100	6	3	Ø 500	3x6000	167(17)	3x550	380	10.5	2.1	6	220	240	
DD-24.0/120	24000(20650)	120	6	3	Ø 500	3x6000	167(17)	3x550	380	12.5	2.4	6	220	260	
DD-28.0/140	28000(24100)	140	6	4	Ø 500	4x6000	167(17)	4x550	380	15.0	3.0	8	220	300	
DD-32.1/160	32100(27600)	160	6	4	Ø 500	4x6000	167(17)	4x550	380	16.0	3.2	8	220	340	
DD-37.4/200	37400(32200)	201	6	2	Ø 600	2x10000	200	2x1100	380	21.6	2.7	/	220	350	
DD-46.8/250	46800(40300)	256	6	3	Ø 600	3x8000	200	3x750	380	26.4	3.3	/	220	400	
DD-56.2/310	56200(48300)	307	6	3	Ø 600	3x10000	200	3x1100	380	28.0	3.5	/	220	420	

DL型系列冷风机暖风电溶霜电热管溶霜的主要技术参数表
Main Technical Parameter of DL Series Air-Cooler

Model	*名义制冷量W(Kcal/h) $t_{库} = -18^{\circ}\text{C}$ $\Delta t = t_{库} - t_0 = 7^{\circ}\text{C}$	冷却面积 (m^2) Area of cooling surface	片距 (mm) Pitch of fins	风机/Air-Cooler						融霜功率/Melts frost power				重量 (kg)	备注 Remark
	数目 (台) Unit			直径D (mm) diameter	风量 (m^3/h) Blowing rate	风压Pa (mmH ₂ O)	风机电机 功率(w) Motor capacity	电机电压 (V) Motor voltage	盘管 (kw) Coiler	水盘 (kw) Water Cooler	暖风 (kw) Warmair	电压 (V) Voltage			
DL-2.1/10	2100(1800)	10	4.5	1	Ø 330	1700	98(10)	90	380	0.6	0.24	2	220	30	可用于 R134a R404A R507
DL-3.1/15	3100(2650)	15	4.5	2	Ø 330	2x1700	98(10)	2x90	380	0.9	0.6	2	220	43	
DL-4.2/20	4200(3600)	20	4.5	2	Ø 330	2x1700	98(10)	2x90	380	0.9	0.6	2	220	50	
DL-5.2/25	5200(4450)	25	4.5	3	Ø 330	3x1700	98(10)	3x90	380	1.2	0.6	2	220	59	
DL-8.2/40	8200(7050)	40	4.5	2	Ø 400	2x3000	118(12)	2x250	380	1.5	0.6	2	220	105	
DL-11.5/55	11500(9900)	55	4.5	2	Ø 400	2x3000	118(12)	2x250	380	2.1	0.6	2	220	115	
DL-16.7/80	16700(14350)	80	4.5	2	Ø 500	2x6000	147(15)	2x550	380	3.0	0.6	4	220	165	
DL-22.0/105	22000(18900)	105	4.5	2	Ø 500	2x6000	167(17)	2x550	380	4.2	0.6	4	220	185	
DL-25.8/125	25800(22200)	125	4.5	3	Ø 500	3x6000	167(17)	3x550	380	4.8	0.78	6	220	249	
DL-33.6/160	33600(28900)	160	4.5	3	Ø 500	3x6000	167(17)	3x550	380	6.0	0.78	6	220	270	
DL-38.7/185	38700(33300)	185	4.5	4	Ø 500	4x6000	167(17)	4x550	380	7.2	0.9	8	220	310	
DL-44.0/210	44000(37850)	210	4.5	4	Ø 500	4x6000	167(17)	4x550	380	7.8	0.9	8	220	350	
DL-52.9/260	52900(45500)	258.9	4.5	2	Ø 600	2x10000	200	2x1100	380	9.0	1.8	/	220	380	
DL-67.2/330	67200(57800)	325.6	4.5	3	Ø 600	3x8000	200	3x750	380	11.0	2.2	/	220	460	
DL-83.4/410	83400(71700)	406.5	4.5	3	Ø 600	3x10000	200	3x1100	380	13.0	2.6	/	220	480	

*对于R22在 $t_{\text{库}} = 0^{\circ}\text{C}$, $t = 7^{\circ}\text{C}$ 的制冷量, 对R134a冷量要乘修正系数 f , $Q_{\text{OR134a}} = Q_{\text{OR22}} \times f$ 。

DJ型系列冷风机暖风电溶霜电热管溶霜的主要技术参数表
Main Technical Parameter of DJ Series Air-Cooler

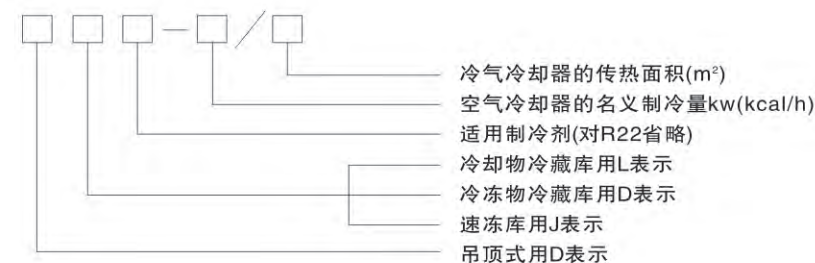
Model	*名义制冷量W(Kcal/h) t _库 = -18℃ △t=t _库 -t ₀ =7℃	冷却面积 (m ²) Area of cooling surface	片距 (mm) Pitch of fins	风机/Air-Cooler						融霜功率/Melts frost power				重量 (kg)	备注 Remark
				数目 (台) Unit	直径D (mm) diameter	风量 (m ³ /h) Blowing rate	风压Pa (mmH ₂ O)	风机电机 功率(w) Motor capacity	电机电压 (V) Motor voltage	盘管 (kw) Coiler	水盘 (kw) Water Cooler	暖风 (kw) Warmair	电压 (V) Voltage		
DJ-13.2/8	2300(2000)	8	9	2	Ø330	2x1700	98(10)	2x90	380	1.8	0.9	2	220	35	用于 R134a R404A 和 R507
DJ-2.3/15	2300(2000)	15	9	3	Ø330	3x1700	98(10)	3x90	380	1.8	1.2	2	220	50	
DJ-4.0/20	4000(3450)	20	9	2	Ø330	2x3000	118(12)	2x250	380	2.6	1.3	2	220	95	
DJ-5.1/30	5100(4400)	30	9	2	Ø400	2x3000	118(12)	2x250	380	3.6	1.8	2	220	107	
DJ-7.8/40	7800(6700)	40	9	2	Ø400	2x6000	147(15)	2x550	380	6.5	1.3	4	220	157	
DJ-9.8/55	9800(8400)	55	9	2	Ø500	2x6000	167(17)	2x550	380	8.5	1.7	4	220	177	
DJ-12.8/70	12800(11000)	70	9	3	Ø500	3x6000	167(17)	3x550	380	10.5	2.1	6	220	323	
DJ-15.7/85	15700(13500)	85	9	3	Ø500	3x6000	167(17)	3x550	380	12.0	2.4	6	220	252	
DJ-18.8/100	18800(16160)	100	9	4	Ø500	4x6000	167(17)	4x550	380	15.0	3.0	8	220	290	
DJ-21.6/115	21600(18600)	115	9	4	Ø500	4x6000	167(17)	4x550	380	16.0	3.2	8	220	330	
DJ-23.9/140	23900(20600)	131.6	9	2	Ø600	2x10000	420	2x2200	380	21.6	2.7	/	220	360	
DJ-29.0/170	29000(24900)	165.6	9	3	Ø600	3x8000	420	3x1500	380	26.4	3.3	/	220	440	
DJ-35.9/210	35900(30900)	206.9	9	3	Ø600	3x10000	420	3x2200	380	28.0	3.5	/	220	460	

*对于R22在 $t_{\text{库}} = -28^{\circ}\text{C}$, $\Delta t = 7^{\circ}\text{C}$ 的制冷量, 对R134a冷量要乘修正系数 f , $Q_{\text{OR134a}} = Q_{\text{OR22}} \times f$ 。

修正系数表 f

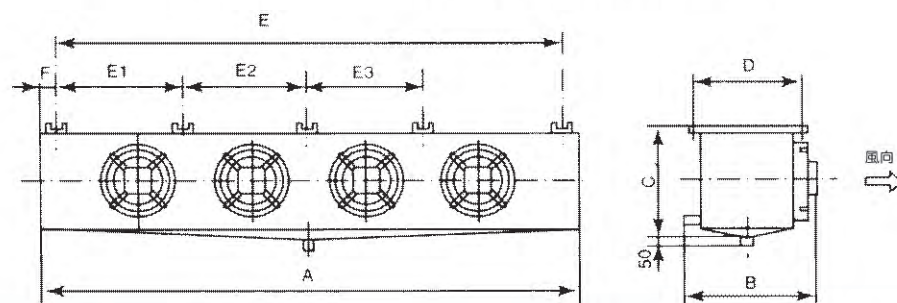
R134a				
蒸发温度 t_0	$> -12^{\circ}\text{C}$	$> -17^{\circ}\text{C}$	$> -22^{\circ}\text{C}$	$> -27^{\circ}\text{C}$
Q_0	1.00	0.96	0.93	0.90

▲ 型号说明


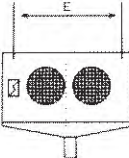
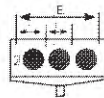
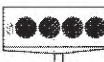
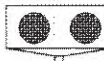



暖风溶霜与电热管溶霜冷风机安装尺寸

Dimensional Data of D series Air-Cooler



单位: mm

Model 型号	A	B	C	D	E	E1	E2	E3	F	进液管直径 (mm) Ø Liquid inlet	回气管直径 (mm) Ø Muffler	进水管直径 ZG Water inlet	外观示意图 Appearance schemes
DL-2.1/10 DD-1.4/7	680	450	460	260	480	/	/	/	105	12	16	1"	
DL-2.1/10 DD-2.35/12 DJ-1.32/8	1030	450	460	260	830	/	/	/	105				
DL-4.2/20 DD-3.0/15	1130	450	460	260	930	/	/	/	105				
DL-5.2/25 DD-4.0/22 DJ-2.3/15	1650	450	460	260	1450	/	/	/	105				
DL-8.2/40 DD-6.0/30 DJ-4.0/20	1520	560	580	360	1250	/	/	/	95	16	25		
DL-11.5/55 DD-8.0/40 DJ-5.1/30	1520	560	580	360	1250	/	/	/	95				
DL-16.7/80 DD-12.0/60 DJ-7.8/40	1820	650	680	425	1550	750	800	/	95	19	38		
DL-54.9/105 DD-15.9/80 DJ-9.8/55	1820	650	680	425	1550	750	800	/	95				
DL-25.8/125 DD-20.0/100 DJ-12.8/70	2300	650	680	425	2030	660	660	710	95				
DL-33.6/160 DD-24.0/120 DJ-15.7/85	2720	650	680	425	2450	800	800	850	95	25	50		
DL-38.7/185 DD-28.2/140 DJ-18.8/100	3120	650	680	425	2850	700	700	700	95				
DL-44.0/210 DD-32.1/160 DJ-21.6/115	3520	650	680	425	3250	800	800	800	95				
DL-52.9/260 DD-37.4/200 DJ-23.9/140	2220	1060	860	630	1950	950	/	/	95	25	50		
DL-67.2/330 DD-46.8/250 DJ-29.0/170	2720	1060	860	630	2450	800	800	/	95				
DL-83.4/410 DD-56.2/300 DJ-35.9/210	3200	1060	860	630	2930	960	960	/	95				

圆弧型系列

Arc Type Series

贯流式

Cross-flow type



型 号 Model	额定电压 Voltage (V)	额定频率 Frequency (Hz)	风轮直径 Diameter of wheel(mm)	输入 功 率 Input power (w)	风速 Air velocity (m/s)	噪音 Noise (dB)	净重 Net weight (kg)	机 身 尺 寸 Dimension (mm)	安装高度 Installation Height (m)
FM-1209N-2	220	50	120	150	11	≤58	13	900X220X135	2.3-3
1210N-2	220	50	120	155	11	≤58	15	1000X220X135	
1212N-2	220	50	120	170	11	≤58	18	1200X220X135	
1215N-2	220	50	120	180	11	≤60	21.5	1500X220X135	
1218N-2	220	50	120	280	11	≤61	25	1800X220X135	
1220N-2	220	50	120	320	11	≤61	28	2000X220X135	
1509N-2	220	50	150	155	11	≤58	15.5	900X255X225	
1512N-2	220	50	150	180	11	≤60	19.5	1200X255X225	
1515N-2	220	50	150	240	11	≤61	24	1500X255X225	
1515N-2	220	50	150	240	11	≤61	24	1500X255X225	

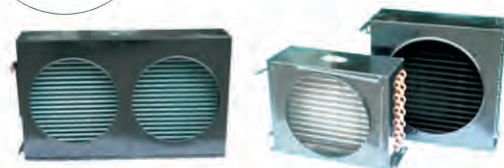
旋风系列贯流式风幕机

Cross-Flow Type Air Curtain



型 号 Model	额定电压 Voltage (V)	额定频率 Frequency (Hz)	风轮直径 Diameter of wheel(mm)	输入 功 率 Input power (w)	风速 Air velocity (m/s)	噪音 Noise (dB)	净重 Net weight (kg)	机 身 尺 寸 Dimension (mm)	安装高度 Installation Height (m)
FM-1209X-2	220	50	120	195	11	≤57	13	900X215X200	2.3-3
FM-1210X-2	220	50	120	250	11	≤58	14.5	1000X215X200	
FM-1212X-2	220	50	120	280	11	≤59	16	1200X215X200	
FM-1215X-2	220	50	120	350	11	≤60	21.5	1500X215X200	

冷凝器 CONDENSER



注：片距=2.3mm

1、方便习惯记忆，风机的功率=功率x风机数，总风量=风量x风机数，所注外型尺寸是冷凝器壳体尺寸，实际尺寸须加进出管的尺寸，不便之处敬请原谅。

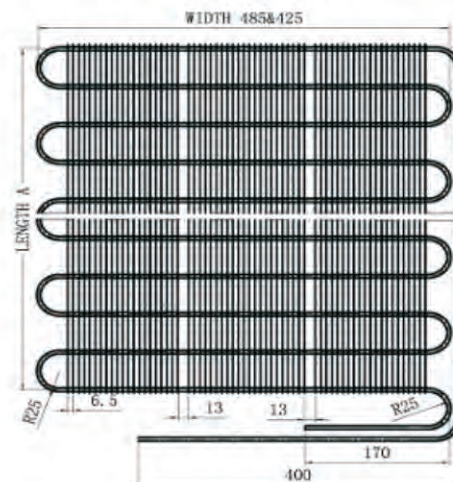
Note: piece distance=2.3mm

1、To ease remembering, the fan power = power x fan numbers; total air quantity = air quantity x fan numbers; given size is the size of condenser case, and the actual size shall be this size plus the sizes of inlet and outlet pipes.

编号 No.	型号 Model	名义制冷量 Nominal Capacity Kw	换热面积 The area of heat Transfer M ²	配用压缩机功率 Choose to use the compressor power HP	建议配置风机 Air cooler				接口管径 Connection		环排数 Wreath row counts (s*w)	外形尺寸 Shape size mm	安装尺寸 Installation size mm
					功率 Power (W)	直径 Diameter mm	风量 Anvolum m ³ /h	电压 Voltage (v)	进管 IN let mm	出管 Out let mm			
1	FNH-0.7	0.31	1.03	1/5	无壳 Without case				10	10	2x3	175x155x45	190
2	FNH-0.9	0.41	1.37	1/4					10	10	2x4	175x205x45	190
3	FNH-2.0	0.58	2.00	1/4(加大80g)					10	10	2x4	250x205x45	260
4	FNH-2.0	0.60	2.00	1/3					10	10	3x4.5	175x205x65	190
5	FNH-2.2	0.66	2.2	1/4(加大80g)	40	200	800	220	10	10	2x4	250x110x230	270x70
6	FNH-3.4	1.02	3.4	3/8	40	200	800	220	10	10	3x4	250x115x230	280x70
7	FNH-4.4	1.32	4.4	1/2	75	250	1460	220	10	10	3x5	320x115x280	345x70
8	FNH-5.4	1.62	5.4	3/4	90	300	1743	220	10	10	3x6	360x150x320	385x120
9	FNH-7.5	2.25	7.5	1	90	300	1743	220	10	10	3x6	450x150x320	500x110
10	FNH-8.5	2.55	8.5	1.25	90	300	1743	220	12	10	4x6	385x135x330	380x85
11	FNH-9.8	2.96	9.8	1.5	150	350	2930	220/380	16	10	3x8	455x130x425	450x90
12	FNH-14	4.2	13	2	150	350	2930	220/380	19	12	4x8	430x145x430	465x100
13	FNH-16	4.9	15	2.5	150	350	2930	220/380	19	12	4x9	465x145x460	465x100
14	FNH-19	5.85	19.5	3	180	400	4500	220/380	22	16	4x10	510x175x530	580x110
15	FNH-22	6.8	22.6	3(加大80g)	180	400	4500	220/380	22	16	4x10	580x175x530	580x110
16	FNH-25	7.5	25	4	180	400	4500	380	25	16	5x10	545x195x520	545x145
17	FNH-35	10.5	35	5	400	500	6046	380	25	16	5x12	650x220x625	635x140
18	FNH-42	12.6	42	5.5	400	500	6046	380	25	16	6x12	650x220x625	635x140
19	FNH-48	14.4	48	6.5	400	500	6046	380	25	16	6x12	750x220x620	725x140
20	FNH-12	3.90	13	2	75x2	250	1460x2	220	10	10	4x5	650x130x280	660x80
21	FNH-26	7.98	26.6	3.5	150x2	350	3170x2	380	19	16	4x8	850x200x580	820x100
22	FNH-30	8.91	29.7	4	180x2	400	4500x2	380	22	16	3x11	955x200x580	940x120
23	FNH-39	11.8	38.5	5	180x2	400	4500x2	380	22	19	4x11	955x200x580	940x120
24	FNH-45	13.5	42	5(加大80g)	180x2	400	6246x2	380	25	19	5x10	955x200x520	940x140
25	FNH-49	14.7	49	6.5	180x2	400	6246x2	380	25	19	5x11	955x200x580	940x130
26	FNH-55	16.5	55.3	7.5	180x2	400	4500x2	380	25	19	5x12	965x220x630	940x140
27	FNH-65	19.6	65	8.5	180x2	400	4500x2	380	25	19	6x12	965x220x630	940x140
28	FNH-78	23.4	78	10	400x2	500	4500x2	380	25	19	6x12	1160x220x630	1150x140
29	FNH-75	22.5	75	10	180x4	400	4500x4	380	25	19	4x20	955x200x1030	940x140
30	FNH-88	26.4	88	10(加大80g)	180x4	400	4500x4	380	25	19	5x20	955x200x1030	940x140
31	FNH-113	33.9	113	15	180x4	400	4500x4	380	25	19	5x20	1180x220x1030	1160x160
32	FNH-133	40.0	133	15(加大80g)	180x4	400	4500x4	380	28	19	6x20	1180x220x1030	1160x160
33	FNH-150	45.0	150	20	400x4	500	6246x4	380	28	19	6x22	1180x220x1130	1160x160

MODEL	LENGTH (A)	WIDTH	U-BENDS NOS.	ROWS.	WIHE QTY		WIRE LENGTH
					485	425	
1/3HP	1150	485&425	12	24	126	108	1160
1/4HP	1050	485&425	11	22	126	108	1060
1/5HP	950	485&425	10	20	126	108	960
1/6HP	850	485&425	9	18	126	108	860
1/7HP	750	485&425	8	16	126	108	760
1/8HP	650	485&425	7	14	126	108	660
1/9HP	560	485&425	6	12	126	108	560
1/10HP	550	485&425	5	10	126	108	460
1/12HP	350	485&425	4	8	126	108	360

WIRE TUBE CONDENSER



干燥过滤器系列 FILTER DRIER SERIES/LIQUID RECEIVER



储液器 LIQUID RECEIVEER

Model	Suctton Lin ODE 吸气管	Liquid Lin ODF 液态管
CR-101	1/4"	3/8"
CR-102	3/8"	3/8"
CR-103	3/8"	3/8"
CR-104	1/2"	1/2"
CR-105	5/8"	5/8"

热交换汽液分离器

Heat Exchanger of gas-liquid separator for refrigeration



Model	Suctton Lin ODE 吸气管	Liquid Lin ODF 液态管
PLW-2404	1/2"	3/8"
PLW-2405	5/8"	3/8"
PLW-2406	3/4"	1/2"
PLW-2407	7/8"	1/2"
PLW-2411	1-1/8"	5/8"
PLW-2413	1-3/8"	3/4"
PLW-2415	1-5/8"	7/8"
PLW-2417	2-1/8"	1-1/8"

艾柯法兰式油分离器

ALCO with flange air-conditoning oil separator



Model	Suctton Lin ODE 吸气管	Liquid Lin ODF 液态管
AF-55824	1/2"	1/2"
AF-55855	5/8"	5/8"
AF-55877	7/8"	7/8"
AF-55889	1-1/8"	1-1/8"
AF-559011	1-3/8"	1-3/8"
AF-569011	1-3/8"	1-3/8"
AF-569213	1-5/8"	1-5/8"
AF-569417	2-1/8"	2-1/8"

Suction Line Filter Cores and Drying Filter Cores



Features:

- *Under special environments, capable of dissolving pollutants such as moisture and acid
- *Protect normal systems, clear up compressors.

Suction Line Filter Cores and Drying Filter Cores

TYPE	D (H)		
	D1 (in)	D2(in)	L(in)
DS48	1.85	3.78	5.51
HS48	1.85	3.78	5.51
HS100	2.09	4.80	6.50

TYPE	LX		
	A (in)	B(in)	C(in)
LX48	3.74	5.51	0.73
LX100	4.69	6.54	1.10



干燥过滤筒 / Filter Cylinder

Model	Connector size 接口尺寸
PLWA-485T	5/8"
PLWA-486T	3/4"
PLWA-487T	7/8"
PLWA-489T	1-1/8"
PLWA-4811T	1-3/8"
PLWA-4813T	1-5/8"
PLWA-4817T	2-1/8"
PLWA-967T	7/8"
PLWA-969T	1-1/8"
PLWA-9611T	1-3/8"
PLWA-9613T	1-5/8"
PLWA-1449T	1-1/8"
PLWA-14411T	1-3/8"
PLWA-14413T	1-5/8"
PLWA-14417T	2-1/8"
PLWA-19211T	1-3/8"
PLWA-19213T	1-5/8"
PLWA-19217T	2-1/8"



油分离器 / Oil Separator

Model	Connector size 接口尺寸
S-5201/PLW-55824	1/2" ODF
S-5202/PLW-55855	5/8" ODF
S-5203/PLW-55877	7/8" ODF
S-5204/PLW-55889	1-1/8" ODF
S-5205/PLW-559011	1-3/8" ODF
S-6203/PLW-569011	1-3/8" ODF
S-6204/PLW-569213	1-5/8" ODF
S-6205/PLW-569417	2-1/8" ODF



**冠亚式气液分离器
Liquid Accumulator**

Model	Connector size 接口尺寸
RA-204	1/2" ODF
RA-205	5/8" ODF
RA-206	3/4" ODF
RA-207	7/8" ODF
RA-208/211	1-1/8" ODF
RA-209/213	1-3/8" ODF
RA-210/215	1-5/8" ODF
RA-221	2-1/8" ODF

**冠亚式油分离器
Liquid Oil Separator**

Old models New models (旧款/新款)	Connector size 接口尺寸
S-5201/4004	1/2" ODF
S-5202/4005	5/8" ODF
S-5203/4007	7/8" ODF
S-5204/4011	1-1/8" ODF
S-5205/4013	1-3/8" ODF
S-5511	1-1/8" ODF
S-5513	1-3/8" ODF
S-5515	1-5/8" ODF
S-6202/6011	1-1/8" ODF
S-6203/6013	1-3/8" ODF
S-6204/6015	1-5/8" ODF
S-6205/6021	2-1/8" ODF



**冠亚法兰式油分离器
Flange air-conditioning
oil separator**

Old models New models (旧款/新款)	Connector size 接口尺寸
S-5302/4004F	1/2"
S-5303/4005F	5/8"
S-5304/4007F	7/8"
S-5305/4011F	1-1/8"
S-5306/4013F	1-3/8"
S-5307/4015F	1-5/8"
S-6302/6011F	1-1/8"
S-6306/6013F	1-3/8"
S-6304/6015F	1-5/8"
S-6305/6021F	2-1/8"



YWF 200
YWF 250
YWF 300



YWF 350



YWF 400
YWF 450
YWF 500
YWF 550



YWF 600



YWF 700

外转子轴流风机技术参数

The technical parameters of the rotor axial fan

技术参数									
Model	额定电压 V Voltage	频率 Hz Frequency	额定电流 A Electri current	输入功率 W Input power	额定转速 r/min Rated speed	额定风量 m³/h Rated Airflow	噪音 dBA Noise	电容 μF Capacitor	净重 KG Net.W
YEF2D-200	380	50	0.20	67	2870	920	57	-	1.6
YEF2E-200	220	50	0.28	65	2600	910	56	1.5	1.6
YEF4D-200	380	50	1.0	21	1420	480	40	-	1.6
YEF4E-200	220	50	0.2	29	1350	450	40	1.5	1.6
YEF2D-250	220/380	50	0.25	105	2500	1800	65	-	2.5
YEF2E-250	220	50	0.55	120	2450	1800	69	3	2.5
YEF4D-250	220/380	50	0.25	60	1400	1010	55	-	2.5
YEF4E-250	220	50	0.3	60	1400	1020	54	1.5	2.5
YEF2D-300	220/380	50	0.34	140	2550	3200	68	-	3.3
YEF2E-300	220	50	0.75	155	2650	3290	69	4	3.3
YEF4D-300	220/380	50	0.25	70	1370	1830	60	-	3.3
YEF4E-300	220	50	0.36	80	1380	1740	57	3	3.3
YEF6E-300	220	50	0.34	75	945	1600	52	3	3.3
YEF4D-350	220/380	50	0.35	150	1390	3150	64	-	4.8
YEF4E-350	220	50	0.70	150	1390	3080	64	4	4.8
YEF6D-350	220/380	50	0.31	93	940	2020	53	-	4.8
YEF6E-350	220	50	0.37	75	910	2110	52	2	4.8
YEF4D-400	380	50	0.49	180	1400	4200	68	-	5.6
YEF4E-400	220	50	0.80	180	1400	4225	69	6	5.6
YEF6D-400	220/380	50	0.38	112	920	3250	58	-	5.6
YEF6E-400	220	50	0.45	110	930	3260	56	3	5.6
YEF4D-450	380	50	0.58	250	1300	5380	68	-	7.2
YEF6E-450	220	50	1.45	320	1350	5600	73	8	7.2
YEF6D-450	220/380	50	0.42	155	900	4700	60	-	7.2
YEF6E-450	220	50	0.85	165	950	4670	60	4	7.2
YEF4D-500	380	50	0.7	400	1300	6240	72	-	9.3
YEF4E-500	220	50	1.75	400	1300	6200	71	10	9.3
YEF6D-500	380	50	0.68	230	900	5800	67	-	9.3
YEF6E-500	220	50	0.75	150	900	5800	67	8	9.3
YEF4D-550	380	50	1.15	500	1320	8400	75	-	10.5
YEF4E-550	220	50	2.5	500	1300	8200	77	10	10.5
YEF6D-550	380	50	1	300	950	6500	69	-	10.5
YEF6E-550	220	50	1.0	210	900	6340	68	6	10.5
YEF4D-600	380	50	1.55	800	1340	13000	76	-	10.5
YEF4E-600	220	50	1.5	680	1300	10000	77	12	10.5
YEF6D-600	380	50	1.2	450	900	9500	70	-	10.5
YEF6E-600	220	50	1.4	360	925	9000	70	8	10.5
YEF4D-700	380	50	2.6	1100	900	14000	75		18
YEF8D-700	380	50	1.0	700	680	12700	71		18

罩极式电机 SQUARE SHADED POLE MOTOR

罩极式电机 SQUARE SHADED POLE MOTOR

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Square Shaded Pole Motor

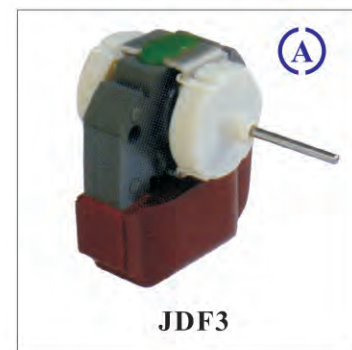
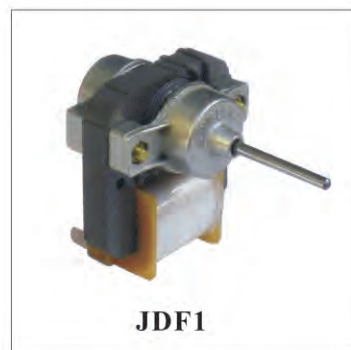


Model	Input Power (W)	Output Power (W)	Current (A)	Speed (r/min)	Fan size (mm)	Height of Bracket(mm)
F32-3W	25	3	0.2		2400	92
F50M-5W	30	5	0.2		1300	72
F50M-7W	31	7	0.22		1300	72
F50M-34W	110	34	0.83		1300	109



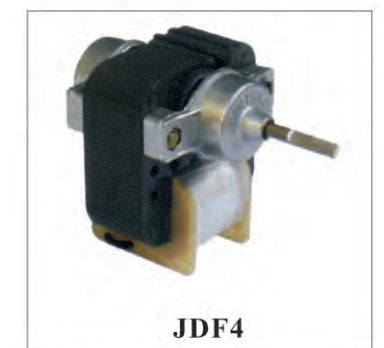
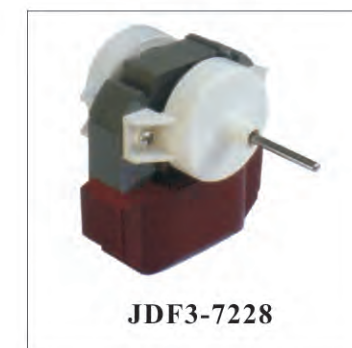
技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF3(B)	220	50/60	8	0.08	3.173	CCW
	110	50/60	86	0.16	3.173	CCW
JDF3(C)	220	50/60	6.5	0.06	3.173	CW/CCW
	110	50/60	8	0.12	3.173	CW/CCW
JDF3(D)	220	50/60	6.5	0.06	3.173	CW/CCW
	110	50/60	8	0.12	3.173	CW/CCW



技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF1	220	50/60	8	0.085	4	CCW
	110	50/60	10	0.15	4	CCW
JDF2	220	50/60	6	0.065	3.173	CW/CCW
	110	50/60	6.5	0.12	3.173	CW/CCW
JDF3(A)	220	50/60	6.5	0.06	3.173	CW/CCW
	110	50/60	8	0.12	3.173	CW/CCW

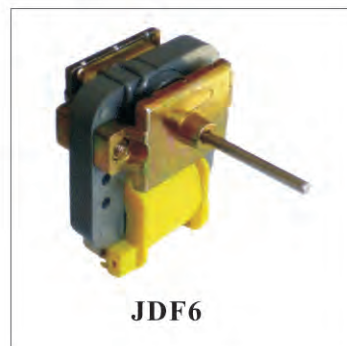


技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF3 7228	220	50/60	6.5	0.06	3.173	CW/CCW
	110	50/60	88	0.12	3.173	CW/CCW
JDF3 2261	220	50/60	6.5	0.06	3.173	CW/CCW
	110	50/60	8	0.12	3.173	CW/CCW
JDF4	220	50/60	30	0.22	5.5	CCW
	110	50/60	30	0.45	5.5	CCW

罩极式电机 SQUARE SHADED POLE MOTOR

Motor



技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF5	220	50/60	12	0.14	4.58	CCW
	110	50/60	12	0.25	4.58	CCW
JDF6	220	50/60	8	0.085	4	CW
	110	50/60	8	0.15	4	CW
JDF6-3210	220	50/60	8	0.08	3.173	CW/CCW
	110	50/60	8	0.15	3.173	CW/CCW



技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF7	220	50/60	7	0.065	3.173	CW/CCW
	110	50/60	7	0.14	3.173	CCW/CCW
JDF7-182	220	50/60	7	0.065	3.173	CW
	110	50/60	7	0.14	3.173	CW
JDF7-2	220	50/60	7	0.065	3.173	CW/CCW
	110	50/60	7	0.14	3.173	CW/CCW

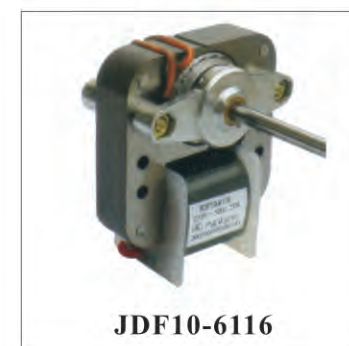
罩极式电机 SQUARE SHADED POLE MOTOR

Motor



技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF8	220	50/60	27	0.20	6	CCW
	110	50/60	27	0.42	6	CCW
JDF9	220	50/60	8	0.12	3.173	CCW
	110	50/60	8	0.18	3.173	CCW
JDF9-3210	220	50/60	8	0.085	4	CCW
	110	50/60	8	0.15	4	CCW



技术参数 TECHNICAL DATA

型号 Model	电压(V) Voltage	频率(Hz) Frequency	功率(W) Input	电流(A) Current	轴径(Φ) Shaft diameter	转 向 To
JDF10-6116	220	50/60	12	0.14	5	CW
	110	50/60	12	0.25	5	CW
JDF11	220	50/60	8	0.085	4	CCW
	110	50/60	8	0.15	4	CCW
JDF12	220	50/60	8	0.085	3.173	CW/CCW
	110	50/60	8	0.15	3.173	CW/CCW

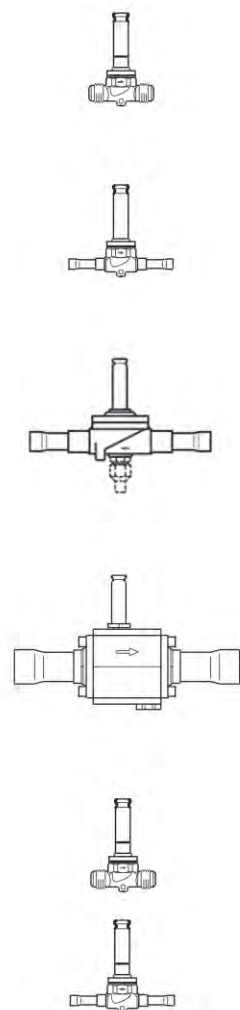
电磁阀 SOLENOID VALVE



Technical leaflet

Solenoid valves type EVR 2 to 40

Ordering



Metric conversions
1 psi = 0.07 bar
°F (t₁ °F - 32) = t₂ °C
1 ton = 3.5 kW
1 in. = 25.4 mm
US gal/min = 8.6 m³/h

Separate valve bodies, normally closed (NC)								
Type	Rated capacity R22 (liquid) tons	Connection in.	Port Size in.	Cv value gal/min	Code no. Valve body without coil type			
					Flare		Solder ODF	
					With manual stem operation in.	Without manual stem operation in.	With manual stem operation in.	Without manual stem operation in.
EVR 2	1.17	1/4	3/32	0.19		32F7101		32F7100
EVR 3	2.03	1/4	1/8	0.32		32F1155		32F7105
EVR 3	2.03	3/8	1/8	0.32		32F1154		32F1157
EVR 4	4.15	3/8	5/32	0.66		32F7112		32F7110
EVR 4	4.15	1/2	5/32	0.66		32F7113		32F7111
EVR 6	5.83	3/8	15/64	0.93	32F1185	32F1160	32F7116	32F7115
EVR 6	5.83	1/2	15/64	0.93		32F1159		32F1162
EVR 6	5.83	3/8	15/64	0.93				32F7117
EVR 8	8.01	3/8	5/32	1.30				32F7120
EVR 8	8.01	1/2	5/32	1.30		32F7123		32F7121
EVR 8	8.01	5/8	5/32	1.30				32F7122
EVR 10	13.8	3/8	3/8	2.20				32F7125
EVR 10	13.8	1/2	3/8	2.20	32F1187	32F1165	32F1188	32F1166
EVR 10	13.8	3/8	3/8	2.20		32F1167		32F1168
EVR 15	18.9	3/8	9/16	3.00			32F1172	32F1171
EVR 15	18.9	1/2	1/4	3.00				32F7130
EVR 18	24.6	1/2	15/32	3.90			32F1004	32F7135
EVR 18	24.6	1 1/8	15/32	3.90				32F7136
EVR 20	36.4	1/2	3/8	5.80			32F1177	32F1176
EVR 20	36.4	1 1/8	3/8	5.80			32F2272	32F1178
EVR 22	43.7	1 1/8	9/16	6.90				32F7145
EVR 22	43.7	1 3/8	9/16	6.90				32F7146
EVR 25	72.8	1 1/8	1	12.00			32F1190	32F1189
EVR 25	72.8	1 3/8	1	12.00			32F1194	32F1193
EVR 32	116.5	1 3/8	7/8	18.00			42H1177	42H1176
EVR 32	116.5	1 5/8	7/8	18.00			42H1179	42H1178
EVR 32	116.5	2 1/8	7/8	18.00			42H1181	42H1180
EVR 40	182.0	1 3/8	1	29.00			42H1186	42H1185
EVR 40	182.0	2 1/8	1	29.00			42H1188	42H1187

Separate valve bodies, normally open (NO)						
Type	Rated capacity R22 (liquid) tons	Connection in.	Port size in.	Cv value gal/min	Valve body excl. coil	
					Flare in.	Solder ODF in.
EVR 6	5.8	3/8	1/4	0.93	032F1163	032F1164
EVR 10	13.8	1/2	3/8	2.20		032F1169
EVR 15	18.9	5/8	9/16	3.00		032F1174

Coils, see next page

Accessories
Mounting bracket for EVR 2, 3, 4, 6 and 10
Code no. **32F0086**

电磁阀 SOLENOID VALVE

Technical leaflet

Solenoid valves type EVR 2 to 40

Introduction

General Purpose Click-on coil, type GP

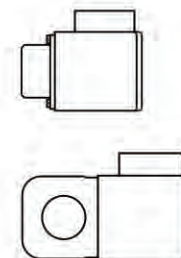


Sealed to protect against moisture.
Easy click-on mounting system.

Approvals

UL Listed with EVR, MH7648
CE Conformity with LVD 73/23/EC with amendments EN 60730-2-8

Ordering



Valve type	Voltage V	Frequency Hz	Code no.		Power consumption
			Junction box NEMA 2	Conduit boss NEMA 4	
Alternating current a.c.					
EVR EVM EVRA/T EVRS/T AKV/A	24	50/60	018F7683	018F7693	Holding: 14 W 28 VA
	110	50/60	018F7682	018F7692	
	120	60			
	208 - 240	60	018F7681	018F7691	Inrush: 49 V
	230	50			
Direct current d.c.					
	120		018F7689	018F7699	20W

Technical data

Design	In accordance with UL 429
Power supply	Alternating current (a.c.) and direct current (d.c.)
Permissible voltage variation	Alternating current (a.c.): +10 to 15% Direct current (d.c.): +10 to 10
Power consumption	Alternating current (a.c.): Inrush: 49 VA; Holding: 28 VA, 14W Direct current (d.c.): 20W
Insulation of coil wire	Class H according to IEC 85
Connection	Junction box or Conduit boss
Enclosure, IEC 529	Junction box NEMA 2 - IP 12-32 Conduit boss NEMA 4 - IP 54
Ambient temperature	40 to +140 °F (40 to +50 °C)

Cross reference list-GP Coils	
Old Code No.	New Code No.
018Z7613	018F7683
018Z7612	018F7682
018Z7611	018F7681
018Z7603	018F7689
018Z7623	018F7693
018Z7622	018F7692
018Z7621	018F7691
018Z7625	018F7699



Type	Connection Flare	L	B	Weight with coil
	in.	in.	in.	lbs.
EVR 2	1/4	2.33	1.30	1.10
EVR 3	1/4	2.33	1.30	1.10
	3/8	2.50	1.30	1.10
EVR 6	3/8	2.75	1.50	1.33
	1/2	3.00	1.50	1.33
EVR 10	1/2	3.31	1.80	1.77
	5/8	3.65	1.80	1.77
EVR 15	5/8	4.10	2.25	2.20

压力控制器 PRESSURE CONTROL

Technical leaflet

Pressure Controls, type KPU

Cross Reference List

Cross reference list - pressure and temperature controls, type KPU					
KPU		US adopted KP		Standard KP	
Type	Code no.	Type	Code no.	Type	Code no.
KPU 1	060-5231	KP 1	060-200166	KP 1	060-110166
KPU 1	060-5233	KP 1	060-205166	KP 1	060-110566
KPU 1	060-5236	KP 1	None	KP 1	None
KPU 1	060-5232	KP 1	060-200266	KP 1	060-110366
KPU 1	060-5234	KP 1	060-205266	KP 1	None
KPU 2	060-5237	KP 2	None	KP 2	None
KPU 2	060-5235	KP 2	None	KP 2	None
KPU 2	060-5239	KP 2	060-201366	KP 2	060-112066
KPU 2	060-5240	KP 2	060-206366	KP 2	060-503766
KPU 5	060-5241	KP 5	060-201466	KP 5	060-117166
KPU 5	060-5242	KP 5	060-206466	KP 5	060-001866
KPU 15	060-5247	KP 15	060-200866	KP 15	060-124166
KPU 15	060-5248	KP 15	060-205866	KP 15	060-119966
KPU 15	060-5249	KP 15	060-202666	KP 15	060-114866
KPU 15	060-5250	KP 15	060-203066	KP 15	060-000766



Pressure controls P series

Type & data
(Unit: MPa)

Symbol	Model	Low pressure		High pressure		Reset		Factory settings			
		Adjust range	Differential	Adjust range	Differential	L.P.	H.P.	L.P.		H.P.	
								Off	On	Off	On
Low pressure (L.P.)	P2E	-0.07~0.2	0.04~0.2			Aut.		0.1	0.06		
	P3E	-0.07~0.3	0.04~0.2			Aut.		0.15	0.1		
	P6ME	-0.07~0.6	Fixed ≤0.2			Man.		0.3	0.2		
	P6E	-0.07~0.6	0.06~0.4			Aut.		0.3	0.2		
	P10E	0.1~1.0	0.1~0.3			Aut.		0.6	0.5		
High Pressure (H.P.)	P12DE			0.5~1.2	0.1~0.3		Aut.			0.8	0.7
	P16DE			0.5~1.6	0.1~0.3		Aut.			0.7	0.5
	P20DE			0.5~2.0	0.1~0.3		Aut.			1.2	1.05
	P30DE			0.5~3.0	0.5~1.0		Aut.			2.0	1.5
	P30E			0.5~3.0	0.3~0.5 Fixed		Aut.			2.0	1.5
	P30ME			0.5~3.0	Fixed≥0.4		Man.			2.0	≤1.6
Dual pressure	P830E	-0.07~0.6	0.06~0.4	0.5~3.0	0.3~0.5 Fixed	Aut.	Aut.	0.3	0.2	2.0	1.5
	P830HME	-0.07~0.6	0.06~0.4	0.5~3.0	Fixed≥0.4	Aut.	Man.	0.3	0.2	2.0	≤1.6
	P830HLME	-0.07~0.6	Fixed ≤0.2	0.5~3.0	Fixed≥0.4	Man.	Man.	0.3	0.2	2.0	≤1.6



膨胀阀 EXPANSION VALVE

Technical leaflet

Thermostatic expansion valves, type T 2 and TE 2

Introduction

T 2 and TE 2 Range 1/6 to 4 1/2 tons (R22)



Thermostatic expansion valves regulate the injection of refrigerant liquid into evaporators.

Injection is controlled by the refrigerant superheat.

Therefore the valves are especially suitable for liquid injection in "dry" evaporators where the superheat at the evaporator outlet is proportional to the evaporator load.

Features

Large temperature range
Equally applicable to freezing, refrigeration, and air conditioning applications.

Interchangeable orifice assembly

- easier stocking
- easy capacity matching
- better service

Can be supplied with MOP (Max. Operating Pressure)

- Protects the compressor motor against excessive evaporating pressure during normal operation.

Patented double contact bulb

- Fast and easy to install.
- Good temperature transfer from pipe to bulb.

Valves for special temperature ranges can be supplied.

5 ft. long capillary tube

Ordering, components with flare x flare connection



Thermostatic element with sensor band, without orifice, filter cone, nuts											
Refrigerant	Valve type	Pressure equalization	Capillary tube	Connection		Code no.					
				Inlet	outlet	Range N 40 to +50 F		Range NM 40 to 25 F	Range NL 40 to 5 F	Range B 75 to 15 F	
				ft	in. in.	Without MOP	MOP t _e = 60 F	MOP t _e = 32	MOP t _e = 15 F	Without MOP	MOP t _e = -4
R22	TX 2	Int.	5	3/8	1/2	068Z3206	068Z3208	068Z3224	068Z3226	068Z3207	068Z3228
	TEX 2	Ext.	5	3/8	1/2	068Z3209	068Z3211	068Z3225	068Z3227	068Z3210	068Z3229
R407C	TZ 2	Int.	5	3/8	1/2	068Z3496	068Z3516				
	TEZ 2	Ext.	5	3/8	1/2	068Z3501	068Z3517				
R134a	TN 2	Int.	5	3/8	1/2	068Z3346	068Z3347	068Z3393	068Z3369		
	TEN 2	Ext.	5	3/8	1/2	068Z3348	068Z3349	068Z3392	068Z3370		
R404A/ R507	TS 2	Int.	5	3/8	1/2	068Z3400	068Z3402	068Z3406	068Z3408	068Z3401	068Z3410
	TES 2	Ext.	5	3/8	1/2	068Z3403	068Z3405	068Z3407	068Z3409	068Z3404	068Z3411

1) Externally equalized connections are 1/4 in. flare.



Flare connections		
Connection for copper tubing with outside diameter	Reducer for copper tubing with outside diameter	Code no.
in.	in.	
1/4		011L1101
	1/4	011L1107

Example

A TE 2 thermostatic expansion valve consists of two elements + flare nuts if required:

- 1 thermostatic element
- 1 orifice assembly and flare nuts

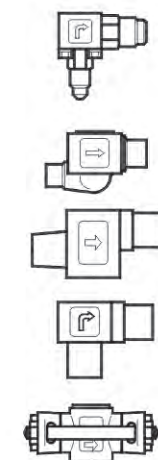
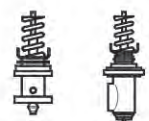
When ordering one thermostatic expansion valve, TEX 2 with orifice O1, two code numbers are required:

- 1 thermostatic element **068Z3209**
- 1 orifice assembly O1 **068-2010**

Technical leaflet

Thermostatic expansion valves, type TE-5 - TE 55

Ordering



Thermostatic element

Valve type	Pressure equalization 1/8 in. / 6 mm	Capillary tube feet	Code no.					
			Range N 40 to +50 °F		Range NM 40 to +25 °F	Range NL 40 to +5 °F	Range B 76 to 13 °F	
			Without MOP	MOP +60 °F	MOP 32 °F	MOP 14 °F	Without MOP	MOP 4 °F
TEX 5	Ext. 1)	9.8	067B3250	067B3267	067B3249	067B3253	067B3263	067B3251
TEX 12	Ext. 2)	9.8	067B3210	067B3227	067B3207	067B3213		067B3211
TEX 12	Ext. 3)	16.4	067B3209					067B3212
TEX 20	Ext. 2)	9.8	067B3274	067B3286	067B3273	067B3275		067B3276
TEX 20	Ext. 3)	16.4	067B3290					067B3287
TEX 55	Ext. 3)	9.8	067G3205	067G3220	067G3206			067G3207
TEX 55	Ext. 3)	16.4	067G3209					067G3217

- 1) Pressure equalization with solder connector can be supplied on contacting Danfoss.
2) Available as accessory: solder adapter for TE 12, TE 20 and TE 55. **Code no. 068B0170.**

Orifice assembly

Valve type	Rated capacity Range N: 40 to 50 °F TR	Rated capacity Range B: 40 to 13 °F TR	Orifice no.	Code no.
TEX 5-3	5.6	3.4	01	067B2089
TEX 5-4.5	7.6	4.8	02	067B2090
TEX 5-7.5	11.1	7.1	03	067B2091
TEX 5-12	15.8	10.1	04	067B2092
TEX 12-4.5	7.6	4.9	01	067B2005
TEX 12-7.5	12.4	8.1	02	067B2006
TEX 12-12	18.3	11.8	03	067B2007
TEX 12-18	24.1	16.0	04	067B2008
TEX 20-30	30.9	20.0	01	067B2172
TEX 55-50	68.3	42.3	01	067G2005
TEX 55-85	101.7	65.1	02	067G2006

The rated capacity is based on:
Evaporating temperature $t_e = +40^\circ\text{F}$ for range N and $t_e = -22^\circ\text{F}$ for range B
Condensing temperature $t_c = +90^\circ\text{F}$
Refrigerant temperature ahead of valve $t_r = +80^\circ\text{F}$

Valve body

Type	Orifice no.	Connection		Code no.			
		Inlet	Outlet	Flare angleway	Solder angleway	Solder straightway	Solder flanges
TE 5	01 - 03	1/2	3/8	067B4013	067B4009	067B4007	
	03	1/2	1/2		067B4010	067B4008	
	04	3/8	1/2		067B4011		
TE 12	01 - 02	3/8	1/8		067B4022 1)	067B4020 1)	067B4025 1)
	03 - 04	7/8	1		067B4023 2)	067B4021 2)	067B4026 1)
	03 - 04	7/8	1 1/8				
TE 20	01	7/8	1 1/8		067B4023 3)	067B4021 1)	
TE 55	01 - 02	1 1/8	1 1/8		067G4004 3)	067G4003 3)	

- 1) ODF × ODF
2) ODF × ODM
3) ODM × ODM
ODF = Internal diameter
ODM = External diameter

R22

Technical leaflet

Thermostatic expansion valves, type T 2 and TE 2

Orifice assembly with filter



The rated capacity is based on:
Evaporating temperature $t_e = 40^\circ\text{F}$
for range N and $t_e = -20^\circ\text{F}$ for range B
Condensing temperature $t_c = 90^\circ\text{F}$
Refrigerant temperature ahead of
valve $t_r = 80^\circ\text{F}$

Range N: -40 to +50°F

Orifice no.	Rated capacity in tons (TR)				Code no.
	R22	R407C	R134a	R404A R507	
0X	0.15	0.16	0.11	0.11	068-2002
00	0.3	0.3	0.25	0.21	068-2003
01	0.7	0.8	0.5	0.45	068-2010
02	1.0	1.1	0.8	0.6	068-2015
03	1.5	1.6	1.3	1.2	068-2006
04	2.3	2.5	1.9	1.7	068-2007
05	3.0	3.2	2.5	2.2	068-2008
06	4.5	4.9	3.0	2.6	068-2009

Range B: -75 to -15°F

Orifice no.	Rated capacity in tons (TR)		Code no.
	R22	R404A R507	
0X	0.15	0.11	068-2002
00	0.2	0.21	068-2003
01	0.3	0.45	068-2010
02	0.6	0.6	068-2015
03	0.8	1.0	068-2006
04	1.2	1.4	068-2007
05	1.5	1.7	068-2008
06	2.0	1.9	068-2009





Technical leaflet

Minimizer Expansion Valve Service Kits

T2 and TE2

Selection Chart for Thermostatic Expansion Valves

Choose valve by refrigerant and style, then read down to the required capacity in tons and select orifice.

		R12	R502	R22	R134a	R404A
Flare Style Valves (Internally Equalized)		TF2 068Z3202	TY2 068Z3212	TX2 068Z3206	TN2 068Z3346	TS2 068Z3400
Flare Style Valves (Externally Equalized)		TEF2 068Z3204	TEY2 068Z3215	TEX2 068Z3209	TEN2 068Z3348	TES2 068Z3403
Sweat Style Valves (Internally Equalized)		TF2 068Z3280	TY2 068Z3282	TX2 068Z3281	TN2 068Z3383	TS2 068Z3414
Sweat Style Valves (Externally Equalized)		TEF2 068Z3283	TEY2 068Z3285	TEX2 068Z3284	TEN2 068Z3385	TES2 068Z3415
Orifice no.	Code no. (are)	Code no. (sweat)	Nominal Capacity*			
0X	068-2002	068-2089			1/5	1/10
00	068-2003	068-2090	1/8	1/8	1/3	1/5
01	068-2010	068-2091	1/3	1/3	7/10	1/3
02	068-2015	068-2092	1/2	1/2	1	3/4
03	068-2006	068-2093	1	1	1 1/2	1 1/4
04	068-2007	068-2094	1 1/2	1 1/2	2 1/3	1 1/2
05	068-2008	068-2095	2	2	3	2 1/4
06	068-2009	068-2096	3	3	4 1/2	3

Solder adapters for Sweat Style valves:
068-2062 for 1/4 OD pipe
068-2060 for 3/8 OD pipe

* Valve capacity is rated at 40F evaporating temperature, 90F condensing temperature, and 80F refrigerant temperature ahead of valve.

膨胀阀 EXPANSION VALVE

EXPANSION VALVE

Technical leaflet

Minimizer Expansion Valve Service Kits

Danfoss Minimizer-Flare

Select Valve Body and Orifice Size				
		R22	R134a	R404A/R507
Internally Equalized		TX2 068Z3206	TN2 068Z3346	TS2 068Z3400
Externally Equalized		TEX2 068Z3209	TEN2 068Z3348	TES2 068Z3403
Orifice size	Code no.	Nominal Capacity (Tons) For 40 to 10 F Range		
0X	068-2002	1/8	1/10	1/10
00	068-2003	1/3	1/4	1/5
01	068-2010	3/4	1/2	1/2
02	068-2015	1	3/4	1/2
03	068-2006	1 1/2	1 1/3	1
04	068-2007	2 1/3	1 3/4	1 1/2
05	068-2008	3	2 1/5	2
06	068-2009	4 1/2	3	3

Refill the Kit				
068-2002	068-2003	068-2010	068-2015	068-2015
0X	00	01	02	02
TX2 internal eqln. 068Z3206	TN2 internal eqln. 068Z3346	TS2 internal eqln. 068Z3400		
TEX2 external eqln. 068Z3209	TEN2 external eqln. 068Z3348	TES2 external eqln. 068Z3403		
068-2006	068-2006	068-2007	068-2008	068-2009
03	03	04	05	06

视镜/球阀 SIGHT GLASS/BALL VALVE

SG/BALL VALVE

SG型 视镜
Model SG Sight Glass



型 号Model		A	B	ΦC	ΦD	E	F	L	S	螺纹Thread M	重量Weight(g)		
											SGN型	SGS型	
SGN/SGS-1/4	ODF	9.5	14.5	28	6.5	7	27	102	14	-----	105	125	
	SAE				-----	-----	14	64		7/16-20UNF	145	145	
ODF	10.1	8	36		119	-----	110	155					
SGN/SGS-3/8	SAE	12.5	16.5		-----	-----	17	70	19	5/8-18UNF	215	195	
	ODF				12.8	10	46	146		-----	170	150	
SGN/SGS-1/2	SAE	13	18		-----	-----	19	78	22	3/4-16UNF	240	210	
	ODF			16.1	14	46	152	-----		190	220		
SGN/SGS-5/8	SAE	15	20	31.5	-----	-----	20	78	24	7/8-14UNF	350	300	
	ODF				19.1	16	51	167		-----	270	230	
SGN/SGS-3/4	SAE	18	23		-----	-----	23	94	29	1-1/16-14UNS	545	440	
	ODF				22.3	17	54	173		-----	315	290	
SGN/SGS-7/8	ODF	16.5	21.5										
SGR-3/4NPT	NPT	10.5	13		---	---	---	---	---	32	3/4NPT	70	
SGR-G3/4	G			G3/4							70		

GBC型 球阀
Model GBC Ball Valve



型号Model	A	B	C	ΦD	Φd	E	G	H	ΦI	J	K	S	M	重量Weight(g)
GBC-6	72	67	9	6.5	16	15	50	22	29.5	30	41.5	24	M4	230
GBC-10	72	67	10	10.1	16	15	50	22	29.5	30	41.5	24	M4	245
GBC-12	82	77	12	12.8	16	15	60	22	29.5	30	41.5	24	M4	255
GBC-16	82	77	14	16.1	16	15	60	22	29.5	30	41.5	24	M4	260
GBC-18	97	93	14	19.1	22	20.5	67	30	40.5	36	46.5	24	M4	510
GBC-22	97	93	17	22.3	22	20.5	67	30	40.5	36	46.5	24	M4	520
GBC-28	109	106	20	28.7	28	24	76	38	47.5	44	55.5	30	M4	800
GBC-35	128.5	126.5	25	35.2	35	31.5	88	48	62	44	71.5	34	M6	1550
GBC-42	143	136	29	41.5	42	35	98	55	71	56	86.5	42	M6	2300
GBC-54	157	148	34	54.2	54	46	101	74	91	56	94.5	42	M6	3900
GBC-67	157	148	36	67.0	54	46	101	74	91	63	94.5	42	M6	3950
GBC-79	157	148	40	79.6	54	46	101	74	91	63	94.5	42	M6	4030

注：① 以上为不带充注口的重量，带充注口的全部多重15g

Note: ① The weight of charging port is excluded from above mentioned weight and it should add 15 g if the charging port is included in any mentioned weight.

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手阀/避震管/HAND VALVE/VIBRATION ABSORBERS

充注阀/空调阀/四通阀
Access Valve/SPLIT A/C VALVE/DSF4-WAY REVERSING VALVE

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HAND VALVE/VAH

KM型 膜片式手阀
Model KM Diaphragm Hand Valve



型号Model	外 形 尺 寸 Overall Dimension														重量Weitht(g)
	A	B	C	φ D	E	(F)	φ G	H	φ I	S	J	K	N	螺纹 ThreadM	
1/4SAE	29	---	36	---	13.5	54	4.5	44	53	19	34	13	15	7/16-20UNF	185
1/4ODS		8		6.5								---		-----	160
3/8SAE	31	---		---							37.5	15	21	5/8-18UNF	230
3/8ODS		9		9.7								---		-----	165
1/2SAE	39	---	38	---	19.0	56	5.0	48	53	22	43.5	18	23	3/4-16UNF	370
1/2ODS		10		12.8								---		-----	290
5/8SAE		---		---							46	21	27	7/8-14UNF	415
5/8ODS		10		16.1								---		-----	295
3/4SAE	50	---	50	---	24.0	64	6.0	65	60	27	57.5	21	32	1-1/16-14UNF	795
3/4ODS		12		19.1								---		-----	560
7/8ODS		12.5		22.3								---			600

注：①上述重量不带纳子；②纳子单重：1/4-18g、3/8-30g、1/2-33g、5/8-50g、3/4-93g。
Note:①Nutweight isexcluded in above mentioned weight.②Nut weight:1/4-18g,3/8-30g,1/2-33g,5/8-50g and 3/4-93g.

VAH型 避震波纹软管
Model VAH Vibration Damping Bellows



选型尺寸 Specification

型号Model	规格Size	外形尺寸 Overall Dimension				最大工作压力 Max. Operating Pressure (MPa)	耐压试验压力 Withstand Test Pressure (MPa)	爆破试验压力 Burst Test Pressure (MPa)	重量(g)
		A	B	φD	L				
VAH-10	3/8	20	130	9.8	210	3.0	4.5	15.0	
VAH-12	1/2	23	140	12.8	230				135
vAH-16	5/8	25	152	16.1	250				170
VAH-19	3/4	28	165	19.1	260				200
vAH-22	7/8	35	180	22.3	300				280
VAH-25	1	35	205	25.5	330	2.5	3.6	12.5	
VAH-28	1-1/8	35	205	28.7	330				
VAH-35	1-3/8	50	240	35.1	400				500
VAH-42	1-5/8	55	255	41.4	430				
VAH-54	2-1/8	65	290	54.1	520				
VAH-67	2-5/8	76	355	66.8	610	2.0	3.0	10.0	
VAH-79	3-1/8	88	405	79.5	680				

Access Valve



Part No.	Description
AV-02	Completed with valve core, valve core remover & tube 1/8"O.D.
AV-03	Completed with valve core, valve core remover & tube 3/16"O.D.
AV-04	Completed with valve core, valve core remover & tube 1/4"O.D.
AV-05	Completed with valve core, valve core remover & tube 5/16"O.D.
AV-06	Completed with valve core, valve core remover & tube 3/8"O.D.

Split A/C Valve



Part No .	Tube	Connection thread
AC-602	1/4"	7/16"-20UNF
AC-603	3/8"	5/8"-18UNF
AC-604	1/2"	3/4"-16UNF
AC-605	5/8"	7/8"-14UNF
AC-606	3/4"	1-1/16"-14UNF

DSF 4-Way Reversing Valve



Model	Port Size (mm)	Connection (mm)		O.P.D (Mpa)		(ml/min)internal Leakage P=1.0 Mpa at 70℃	Power(HP)
		D	E.S.C	Min.	Max.		
DSF-4U	8	8.1	9.6	0.25	2.5	<1000	0.75-1.5
DSF-9U	11	9.6	12.8	0.34	2.25	<1500	2.0-3.0
DSF-11	11.5	12.8	16	0.34	2.25	<2000	2.5-4.0
DSF-11U	11.5	12.8	16	0.34	2.25	<2000	2.5-4.0
DSF-20U	13	12.8	19.2	0.34	2.25	<4000	4.0-8.0
DSF-34	20	19.05	22.2	0.34	2.25	<6000	7.5-12

FDF Solenoid Valve



Model	Port Size (mm)	Connection (mm)	O.P.D (Mpa)		Max working Pressure.Mpa
			Min.	Max.	
FDF-1.5A	1.5	6.35	0	3.0	3.4
FDF-2A	2	6.5	0	2.1	3.0
FDF-4A	4	6.5	0	3.6	4.2
FDF-6A	5.8	8	0	3.6	4.2
FDF-8A	8				

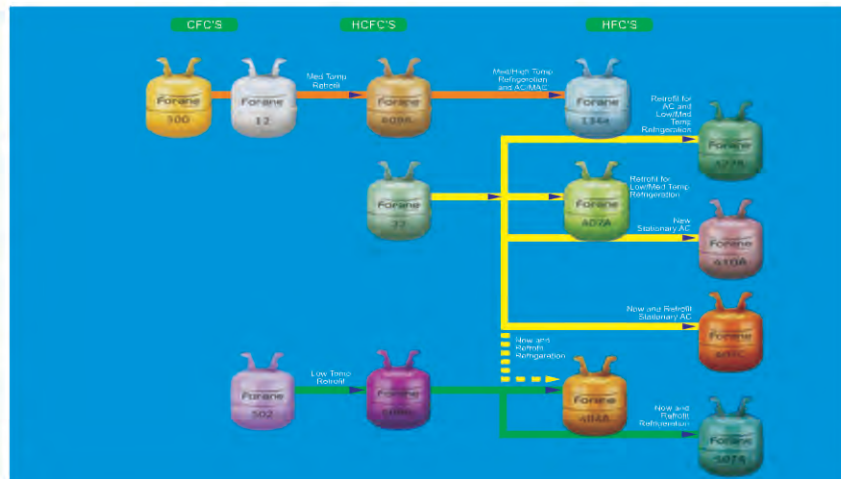
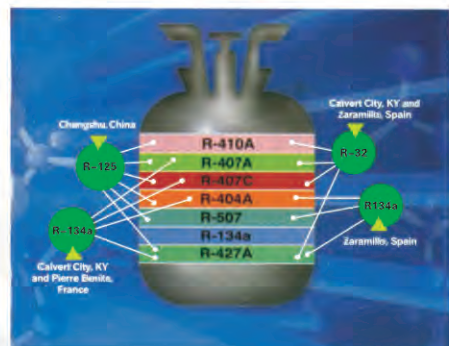
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雪种/制冷剂 REFRIGERANT GAS

REFRIGERANT GAS



Refrigerant	Purity (≥%)	Chloride ion test	Water content (≤ppm)	Acidity(HCl) (≤ppm)	Packing
R-11	≥99.8	Negative	≤10	≤0.1	Drum of 40Kgs and 280Kgs Net, cylinder of 13.6Kgs net
R-12	≥99.8	Negative	≤10	≤1.0	Cylinder of 6.8Kgs, 13.6Kgs, 22.7Kgs and 1000Kg Net, Can Of 340g net
R-502	≥99.8	Negative	≤10	≤1	Cylinder of 6.8Kgs, 13.6Kgs, 22.7Kgs net and 800g gross
R-22	≥99.8	Negative	≤10	≤1	Cylinder of 6.8Kgs, 13.6Kgs, 22.7Kgs, 1000g, can of 340g gross
R-22	≥99.8	Negative	≤10	≤1	Cylinder of 6.8Kgs, 13.6Kgs, 22.7Kgs, 1000g, can of 340g gross
R-123	≥99.8	Negative	≤10	≤1	Cylinder of 40Kgs, 400Kgs and 800Kgs net
R-141b	≥99.8	Negative	≤10	≤1	Iron drum of 250Kgs net
R-142b	≥99.8	Negative	≤20	≤1	Cylinder of 800Kgs net
R-23	≥99.8	Negative	≤10	≤1	Cylinder of 300Kgs net
R-143a	≥99.8	Negative	≤10	≤0.1	Cylinder of 670Kgs net
R-125	≥99.8	Negative	≤10	≤1	Cylinder of 6.8Kgs, 13.6Kgs, 22.7Kgs and 1000g Net, Can Of 340g net
R-406a	≥99.8	Negative	≤10	≤1	Cylinder of 670Kgs net
R-152a	≥99.5	Negative	≤20	≤1	Cylinder of 640Kgs net
R-227ea	≥99.8	Negative	≤10	≤1	Cylinder of 60Kgs and 900Kgs net
R-404a	≥99.8	Negative	≤15	≤1	Cylinder of 10.9kgs, and 650g gross
R-407c	≥99.8	Negative	≤10	≤1.5	Cylinder of 11.3kgs, kgs and 650g gross
R-410a	≥99.8	Negative	≤10	≤1	Cylinder of 11.3kgs, and 650g gross
R-507	≥99.8	Negative	≤15	≤1	Cylinder of 11.3kgs, and 650g gross
R-600a	≥99.5	Negative	≤10	≤1	Cylinder of 6.8kgs, 13.6kgs 500kgs net



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典型项目	试验方法	SUNISO 3GS	SUNISO 4GS	SUNISO 5GS	SUNISO SL-328	SUNICE SL-T68
密度 15℃ g/cm ³	ASTM D 1250	0.909	0.915	0.921	0.956	0.96
色度 ASTM	ASTM D 1500	L0.5	L1.0	L1.0	L0.5	L0.5
运动粘度 40℃ mm ² /s	ASTM D 445	29.5	54.9	94.6	32.3	66.6
运动粘度 100℃ mm ² /s	ASTM D 445	4.31	5.97	7.78	5.14	8.22
闪点 COC ℃	ASTM D 92	178	188	208	230	254
倾点 ℃	ASTM D 97	-40	-35	-27.5	-35	-40
总酸值 mg KOH/g	ASTM D 974	0.01	0.01	0.01	0.01	0.01
水分 ppm	ASTM D 4928	20	20	20	35	35
体积抵抗率 25℃ Ω cm	ASTM D 1169	—	—	—	4.0x10 ⁻¹⁴	5.0x10 ⁻¹⁴



压缩机生产商	压缩机类型	制冷剂	冷冻机油
CARRIER 开利	螺杆式、离心式	R22/R11	SUNISO 4GS
CARRIER 开利	离心式	R134A	SUNISO SL-32S
CARRIER 开利	螺杆式	R134A	SUNISO SL-32S SUNICE T-68
YORK 约克	螺杆式、离心式	R22	SUNISO 4GS
TRANE 特灵	螺杆式、离心式	R22	SUNISO 4GS
COPELAND 谷轮	活塞式、涡旋式	R22	SUNISO 3GS
COPELAND 谷轮	活塞式	R134A/R404A R407C/R410A	SUNISO SL-32S
HITACHI 日立	螺杆式	R22	SUNISO 4GS
DAIKIN 大金	螺杆式	R22	SUNISO 4GS
GRASSO 格拉索	螺杆式	R22	SUNISO 4GS
FRASCOLD 富士豪	活塞式	R22	SUNISO 3GS
FRASCOLD 富士豪	螺杆式	R22	SUNISO 4GS
FRASCOLD 宣士豪	活塞式、涡旋式	R134A/R404A R407C/R410A	SUNISO SL-32S 68S SUNICE T-68
MANEUROP 美优乐	活塞式	R22	SUNISO 3GS
MANEUROP 美优乐	活塞式	R134A	SUNISO SL-32S
BRISTOL 布里斯托	活塞式	R22	SUNISO 3GS(4GS)
BRISTOL 布里斯托	活塞式	R134A	SUNISO SL-32S
BOCK 博克	活塞式	R22	SUNISO 3GS(4GS)
BOCK 博克	活塞式	R134A	SUNISO SL-32S
BOCK 博克	活塞式	R22	SUNISO 4GS
MCQUAY 麦克维尔	螺杆式、离心式	R134A	SUNISO SL-32S SUNICE T-68
BITZER 比泽尔	活塞式、螺杆式	R22	SUNISO 3GS(4GS)
BITZER 比泽尔	活塞式、螺杆式	R134A	SUNISO SL-32S SUNICE T-68
BUNHAM BUSH 顿汉布什	活塞式、螺杆式	R22	SUNISO 3GS(4GS)
BUNHAM BUSH 顿汉布什	活塞式、螺杆式	R134A	SUNISO SL-32S SUNICE T-68
TECUMSEH 泰康	活塞式	R22	SUNISO 3GS
TECUMSEH 泰康	活塞式	R134A	SUNISO SL-32S
HUSSMANN 哈斯曼	活塞式	R22	SUNISO 3GS
HANBELL 汉钟	螺杆式	R22	SUNISO 5GS
FU SHENG 复盛	螺杆式	R22	SUNISO 5GS
SANYO 三洋	活塞式	R22	SUNISO 3GS

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CT-127

Mini Cutter (微型割刀)
For ϕ 1/8" to 5/8" (3-16mm)
Zinc all body (锌合金)



CT-128

Mini Cutter (微型割刀)
For ϕ 1/8" to 7/8" (3-22mm)
Zinc all body (锌合金)



CT-174

Mini Cutter (中型割刀)
For ϕ 1/8" to 1-1/8" (3-28mm)
Aluminum alloy body (铝合金)



CT-105

Heavy-Duty Cutter (强力割刀)
For ϕ 1/8" to 1-1/4" (3-32mm)
Aluminum alloy body (铝合金)



CT-G

Heavy-Duty Cutter (强力割刀)
For ϕ 1/8" to 1-1/8" (3-30mm)
Aluminum alloy body (铝合金)



CT-274

Heavy-Duty Cutter (强力割刀)
For ϕ 1/8" to 1-1/8" (3-28mm)
Aluminum alloy body (铝合金)



CT-312

Heavy-Duty Cutter (强力割刀)
For ϕ 1/4" to 1-5/8" (7-42mm)
Aluminum alloy body (铝合金)



CT-206

Heavy-Duty Cutter (强力割刀)
For ϕ 3/8" to 2-5/8" (10-66mm)
Aluminum alloy body (铝合金)



CT-109

Heavy-Duty Cutter (强力割刀)
For ϕ 5/16" to 1-5/8" (8-42mm)
Aluminum alloy body (铝合金)



CT-107

Heavy-Duty Cutter (强力割刀)
For ϕ 1/4" to 2" (5-50mm)
Aluminum alloy body (铝合金)



CT-532

bearing cutter
轴承式割刀
For 3/16" to 1-1/4" (5-32mm)
Aluminum alloy body



CT-274-B

Cutting Blade (割刀刀片)
For CT-274/105/G/312/174/109
65Mn Steel (65锰钢)



CT-107-B

Cutting Blade (割刀刀片)
For CT-107/206
65Mn Steel (65锰钢)



CT-127-B

Cutting Blade (割刀刀片)
For CT-127/CT-128
65 Mn Steel (65锰钢)



CT-195A/195M

45° Flaring Tool (45° 扩孔器)
For 3/16", 1/4", 5/16", 3/8",
7/16", 1/2" & 5/8" O.D.
For 4mm, 6mm, 8mm, 10mm,
12mm, 14mm & 16mm O.D.



CT-103A/103M

45° Flaring Tool (45° 扩孔器)
CT-103A: For 3/4", 7/8" & 1" O.D.
CT-103M: For 22mm, 25mm & 28mm O.D.



CT-525-F

Grabber Flaring Tool (万能扩孔器)
For 3/16" to 5/8" & 5mm to 16mm O.D.



**CT-500-A
CT-500-M**

Blocks Type Flaring Tool (活块扩孔器)
For 3/16", 1/4", 5/16", 3/8", 1/2" & 5/8" O.D.
Blocks Type Flaring Tool (活块扩孔器)
For 6mm, 8mm, 10mm, 12mm, 15mm & 16mm O.D.



RCT-806

For inch: 1/4", 5/16", 3/8", 1/2",
5/8" & 3/4" O.D. Tubing
Individual packed
in color box. (单只彩盒包装)



CT-203

45° Flaring Tool (45° 扩孔器)
For 5/8", 3/4", 7/8" & 1-1/8" O.D.



RCT-608A

For inch: 3/16", 1/4", 5/16",
3/8", 1/2", 5/8" & 3/4"
O.D. Tubing individual packed
in color box. (单只彩盒包装)
For metric: 5mm, 6mm, 8mm,
10mm, 12mm, 16mm & 19mm
O.D. Tubing individual packed
in color box. (单只彩盒包装)



CT-806A(M)
Flaring Tool

For inch: 1/4", 5/16", 3/8",
1/2", 5/8" & 3/4" O.D.
Tubing individual packed
in color box. (单只彩盒包装)



CT-368A-90° / CT368M-90°
90° TUBE BENDER 2-in-1
90度弯管器3合一
CT-368-90° -A For 1/4",
5/16" & 3/8" size O.D. Tubing
CT-368-90° -M For 6mm,
8mm & 10mm size O.D. Tubing



CT-368A-180° / CT368M-180°
180° TUBE BENDER 3-in-1
180度弯管器3合一
CT-368-180° -A For 1/4",
5/16" & 3/8" size O.D. Tubing
CT-368-180° -M For 6mm,
8mm & 10mm size O.D. Tubing



CT-369FHA-180°

180° 4-in-1 FIBRE TUBE BENDER
180度4合一高强度纤维弯管器
CT-369FHA-180° For 3/16",
1/4", 5/16" & 3/8"
size O.D. Tubing



CT-365A / CT365M

180° TUBE BENDER 2-in-1
180度弯管器2合一
CT-365-180° -A
For 1/4" & 5/16" size O.D. Tubing
CT-365-180° -M
For 6mm & 8mm size O.D. Tubing



CT-364-04/05

LEVER TYPE TUBE BENDER
180度弯管器
CT-364A-04 1/4" 14.2mm
CT-364A-05 5/16" 17.5mm



CT-364-06A

LEVER TYPE TUBE BENDER
180度弯管器
CT-364A-06 3/8" 23mm



CT-364-08

LEVER TYPE TUBE BENDER
180度弯管器
CT-364A-08 1/2" 35.8mm



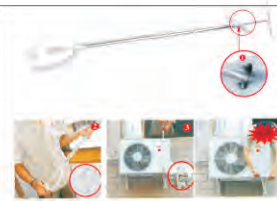
CT-364-10/12/14

LEVER TYPE TUBE BENDER
180度弯管器
CT-364A-10 5/8" 54.4mm
CT-364A-12 3/4" 75.3mm
CT-364A-14 7/8" 82.1mm



CT-E800

Electric Cordless Flaring Tool
充电式电动偏心扩管器
Applicable tube Size:
1/4", 3/8", 1/2", 5/8" & 3/4"



DS-01

Spanner for install & take
down Air Conditioner
拆装空调机专用扳手



CT-208

Inner-outer Reamer
内外纹刀
Plastic body, 3/16"~1-1/2"
O.D. tubing. Reams Both
Inside and Outside Edges
of Tubing.



CT-209

Inner-outer Reamer
内外纹刀
Zinc Bldy, 1/4"~1-5/8"
O.D. tubing. Reams Both
Inside and Outside Edges
of Tubing.



CT-351

Fin Straightener 塑料翅片梳
For 8", 9", 10", 12", 14", 15"
Spacings per inch
适用于各种尺寸的翅梳。



CT-352

Fin Straightener 不锈钢翅片梳
Fin straightener stainless
steel. Cleaning &
straightening evaporator fin.



CH-351

Fin Straightener
梳子片
For 8", 9", 10", 12", 14", 15"
Spacings per inch
适用于各种尺寸的翅梳



CT-102-L For Inch: 1/4", 5/16", 3/8",
1/2" & 5/8" size O.D. Tubing
CT-102-04 For Inch: 1/4" O.D. Tubing
CT-102-06 For Inch: 3/8" O.D. Tubing
CT-102-08 For Inch: 1/2" O.D. Tubing
CT-102-10 For Inch: 5/8" O.D. Tubing
CT-102-12 For Inch: 3/4" O.D. Tubing



CT-204

A Type Pinch-off Tool
A型封口器
In extra strong execution
to pinch-off suction robes
on all hermetic refrigeration
systems up to 3/8" diameter.



CT-201

7" Pinch off plier
B型封口钳
Pinch of copper tubing up
to 5/16" (8mm) instantly.



CT-122

Ratchet Wrench 棘轮扳手
4 Sizes: 1/4", 3/8", 3/16",
5/16" square ratchet.



CT-123L

Ratchet Wrench 棘轮扳手
4 Sizes: 1/4", 3/16", "square",
9/16", 1/2" hex ratchet.



PTC-01

Capillary Tube Cutter
毛细管剪刀
Cuts all sizes of capillary
tubes without collapsing
nor swaging the tubes.



PTC-02

Capillary tube cutter
毛细管剪刀
Capillary tube cutter PTC-02:
cuts all sizes of capillary tubes
without collapsing nor
swaging the tubes



CT-207

Deburrer 转动倒角刀
Handy deburrer. Blade can
be swivelled.
用于管道和板材边缘去毛刺,
小巧轻便, 刀片可按材料轮
廓旋转。



CT-501

Inspect Mirror
环型口袋镜
Mirror O.D. 32
Lebgh closed 127
Lebgh open 500
Diameter 8



CT-502

Inspect Mirror
环型口袋镜
Mirror O.D. 50
Lebgh closed 200
Lebgh open 410
Diameter 10



CT-503

Pick up Tools
捡拾工具
Lebgh closed: 126 mm
Lebgh open: 637 mm
伸缩长度: 126-637毫米

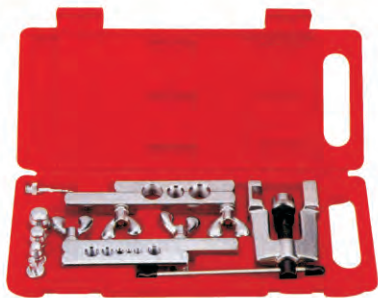
www.gzzhigao.net
www.gzzhigao.en.alibaba.com

制冷工具 A/C TOOLS

www.gzzhigao.net
www.gzzhigao.en.alibaba.com

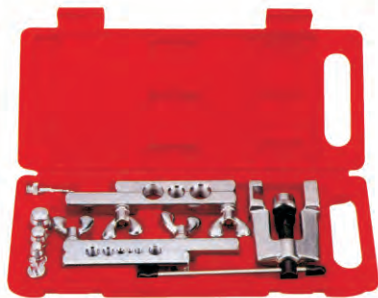
制冷工具 A/C TOOLS

A/C TOOLS



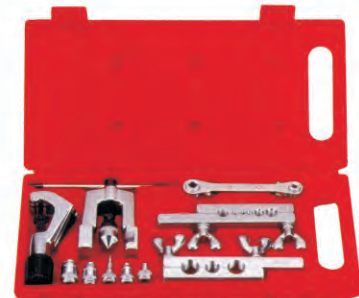
CT-275L

Flaring Tool (胀管扩管器)
Flares 1/8", 3/16", 1/4", 5/16", 3/8", 7/16",
1/2", 5/8" & 3/4" O.D.
Includes 5 swage adapters that swage
7 tube sizes 3/16", 1/4", 5/16", 3/8",
1/2", 5/8", 3/4" O.D.



CT-2000AM

For 3/16", 1/4", 5/16", 3/8", 7/16", 1/2",
5/8", O.D. Includes 6mm, 8mm,
10mm, 12mm, 16mm & 19mm O.D.



CT-278L

Flaring Tool (胀管扩管器)
CT-274 Tube Cutter For 1/8"-1-1/8" (3-28mm)
CT-122 Ratchet Wrench For 1/4", 3/8", 3/16", 5/16"
Flares 1/8", 3/16", 1/4", 5/16", 7/16",
1/2", 5/8" and 3/4" O.D.
Includes 5 swage adapters that swage 7 tube
size 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D.



CT-806(456)AM-L

CT-806A+CT-274+CT-208
For inch: 1/4", 5/16", 3/8", 1/2", 5/8",
3/4" & 6mm, 8mm, 10mm, 12mm,
16mm, 19mm O.D. Tubing
Packed in hand carrying plastic case.
(吹塑手提箱包装)



CT-808(457)AM-L

For inch: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8",
3/4" & 5mm, 6mm, 8mm,
10mm, 112mm, 16mm, 19mm O.D. Tubing
Packed in hand carrying plastic case.
(吹塑手提箱包装)



RCT-806AM-L

RCT-806A + CT-274 + CT-208
For inch 1/4", 5/16", 3/8", 1/2",
5/8", 3/4" & 6mm, 8mm, 10mm, 12mm,
16mm, 19mm O.D. Tubing



CT-300A

Normal CT-300A + CT-107 + CT-209
For inch: 3/8", 1/2", 5/8", 3/4", 7/8",
1", 1-1/8" O.D. Tubing.



CT-300AL

NEW CT-300A + CT-107 + CT-209+
CT-207 + CT-300PL
For inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8",
1-1/4", 1-3/8", 1-1/2", 1-5/8" O.D. tubing.



RCT-806AM-L

RCT-806A + CT-274 + CT-208
For inch 1/4", 5/16", 3/8", 1/2",
5/8", 3/4" & 6mm, 8mm, 10mm, 12mm,
16mm, 19mm O.D. Tubing



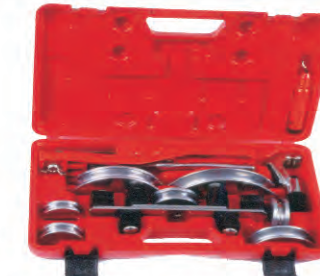
CT-999

CT-999 + CT-274 + CT-207
For Inch: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8" O.D. Tubing.
For Metric: 6, 8, 10, 12, 16, 19, 22mm O.D. Tubing.
In blow-mold carrying case. Fibre wheel (纤维轮)



CT-999R

CT-999L + CT-274 + CT-207
For Inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4",
For Metric: 10, 12, 16, 19, 22mm O.D. Tubing.
With special reverse direction bending function.
In blow-mold carrying case. Fibre wheel (纤维轮)



CT-999F

CT-999 + CT-274 + CT-207
For Metric: 6, 8, 10, 12, 16, 19, 22mm O.D. Tubing.
For Inch: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
O.D. Tubing. In blow-mold carrying case.
Aluminium alloy wheel (铝轮)



CT-999RF

CT-999L + CT-274 + CT-207
For Inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4",
For Metric: 10, 12, 16, 19, 22mm O.D. Tubing.
With special reverse direction bending function.
In blow-mold carrying case. Aluminium alloy wheel (铝轮)



CT-100AL/CT-100ML

CT-100AL NEW CY-100A+CT-312+CT-207
For inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4",
1-3/8", 1-1/2" & 1-5/8" O.D. Tubing
CT-100ML NEW CT-100M+CT-312+CT-207
For Metric: 10mm, 12mm, 16mm, 19mm, 22mm, 25mm,
28mm, 32mm, 35mm, 38mm & 42mm O.D. Tubing



CT-100A/CT-100M

CT-100A Normal CT-100A+CT-312+CT-207
For inch: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" O.D. Tubing.
CT-100M Normal CT-100M+CT-312+CT-207
For Metric: 10, 12, 16, 19, 22, 25, 28mm O.D. Tubing



CT-MC236G/134A

Automotive R134a Manifold Gauges
with 36" (90CM) charging hose



CS-7030/7040 Electronic Refrigerant
Charging Scale Portable carrying
case with 223mm*223mm platform. High capacity
up to 100kgs (220lbs). High accuracy
of +/- 5g (0.01lb). High-visibility
LCD display 66mm*20mm. 30Hours
continuous use. Long life 9VDC batteries.
Total weight: 2.485kgs



RCS-9020/9030 refrigerant charging scale

Specifications

Capacity	90 kilograms (198 pounds)
Accuracy	0.5% of reading +/- 1 least significant digit
Resolution	5g 0.01 lbs
Power	5x1.5V "AA" alkaline batteries (7.5VDC)
Batter life	60 hours continuous use
Operation temperature	10C-50C (50F - 122F)
Weight	2.5kg (5.5 lbs)
Dimensions	23.2cm X 23.2cm X 5.8cm

A/C TOOLS



CT-1226-AL

45° Flaring & Cutter Tool Kit

45° 普通扩管器+割刀套装

CT-1226-AL

CT-195 Common Extrusion Flaring Tool. For 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", & 5/8" O.D.Tubing.

CT-274 Tube Cutter 1/8" ~ 1-1/8"(3-28mm)

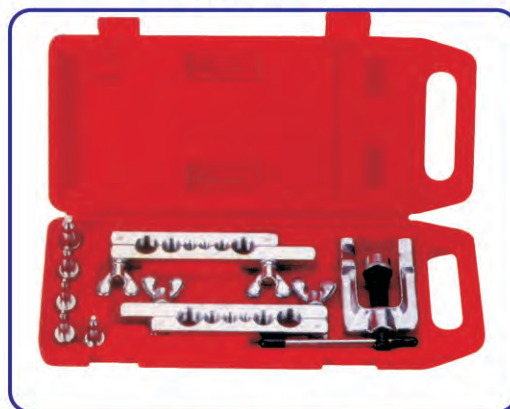
Packed In Hand Carrying Plastic Case.

CT-1226-ML

CT-195 Common Extrusion Flaring Tool. For 6mm, 8mm, 10mm, 12mm, 16mm & 19mm O.D.Tubing.

CT-274 Tube Cutter 1/8"~1-1/8"(3-28mm)

Packed In Hand Carrying Plastic Case.



CT-93F (公英制)

45° Flaring & Swaging Tool Kit

45° 长盒普通扩管器

CT-93F

Flares 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" and 6mm, 8mm, 10mm, 12mm, 16mm & 19mm O.D.Tubing.

Includes 4 swage adapters that swage 7 tube sizes 1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm) O.D.Tubing.

Packed In Hand Carrying Plastic Case.



CT-96FB

45° Double Flaring Tool Kits

45° 双层式扩管器工具组

CT-96FB Flares 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8" and 6mm, 8mm, 10mm, 12mm, 16mm & 19mm O.D.Tubing.

Includes 7 Double Faring Adapters Which Cover 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8" O.D.Tubing.

Packed In Hand Carrying Plastic Case.



CT-93 (公英制)

45° 方盒 普通扩管器

CT-93

Flares 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" and 6mm, 8mm, 10mm, 12mm, 16mm & 19mm O.D.Tubing.

Includes 4 swage adapters that swage 7 tube sizes 1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm) O.D.Tubing.

Packed In Hand Carrying Plastic Case.

旋转型带止推球扩口锥在扩口锥中的止推球轴承可减小摩擦，更容易操作。



CT-277

CT-277 45° Flaring & Cutter Tool Kit

CT-277 45° 扩管器+割刀套装

★ **CT-275-L** Flares 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" & 3/4" O.D.

Includes 5 swage adapters that swage 7 tube sizes 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" O.D.

★ **CT-105** Heavy-Duty Cutter(强力割刀) For ϕ 1/8" to 1-1/4" (3-32mm) Aluminum alloy body (铝合金)

★ with hand carrying case.

★ CT-275扩管器+CT-105割刀+手提箱



CT-813

CT-813 13PCS Tubing Tool Kit

CT-813 13件套管子工具套装

★ **RCT-806AM-L** Flares: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", & 6mm, 8mm, 10mm, 12mm, 16mm, 19mm, O.D.Tubing

★ **CT-274** Tube Cutter 1/8" to 1-1/8"(4 to 28mm)

★ **CT-209** Reamer 1/4" to 1-5/8"(3 to 41mm)

★ **CT-122** Ratchet Wrench (3/8", 5/16", 1/4" and 3/16" sq.reversible ratchets)

★ **CT-207** Handy deburrer, Blade can be swivelled.

★ **CT-96** Swaging Punch For: 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" O.D.Tubing

★ **CT-102-L** For Inch: 5/16", 3/8", 1/2", 5/8" & 3/4" size O.D.Tubing

★ with hand carrying case.

★ RCT-806AM-L扩管器+CT-274割刀+CT-209倒角器+CT-207倒角刀+CT-96胀针+CT-102精品弹簧弯管器+CT-122棘轮扳手+手提箱

Swaging Punch Tools 冲棒工具



CT-94

Swaging Punch (冲棒)

For 1/2", 5/8" & 7/8" O.D.Tubing



CT-95

Swaging Punch (冲棒)

For 1/4", 5/16", 3/8", 1/2" & 5/8" O.D.Tubing



CT-96

Swaging Punch (冲棒)

For 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4" O.D.Tubing



CT-193

Swaging Punch (冲棒组合)

For 1/4", 5/16", 3/8", 1/2" & 5/8" O.D.Tubing

CT-195-SA

Swaging Punch (冲棒组合)

For 1/4", 5/16", 3/8", 1/2" & 5/8" O.D.Tubing



2-Valve Sight Glass Aluminum Alloy Testing Manifolds 双阀铝架带视镜表组

CT-2 VALVE
 双阀铝架带视镜

Item No. 型号	Size of hose (管子长度)	Discription (规格)
CT-136-G-R12&R22	36" (90cm)	3pcs red,yellow & blue charging hoses. Working pressure 500PSI Burst 2500PSI .A sight glass Aluminum testing manifold body. Designedto meet 1/4" SAE requirement for refrigerant permutation. 红、黄、兰三根加液管, 工作压力 500PSI 爆破压力 2500PSI 。带视镜铝阀体, 接头尺寸1/4" SAE。
CT-160-G-R12&R22	60" (150cm)	
CT-172-G-R12&R22	72" (180cm)	
CT-236-G-R134A	36" (90cm)	3pcs red,yellow & blue charging hoses. Working pressure 600PSI Burst 3000PSI .A sight glass Aluminum testing manifold body. Designedto meet 1/4" SAE requirement for refrigerant permutation. 红、黄、兰三根加液管, 工作压力 600PSI 爆破压力 3000PSI 。带视镜铝阀体, 接头尺寸1/4" SAE。
CT-260-G-R134A	60" (150cm)	
CT-272-G-R134A	72" (180cm)	
CT-336-G-R410A	36" (90cm)	3pcs red(5/16"SAE),yellow(1/4"SAE), & blue (5/16"SAE),charging hoses.Working pressure 800PSI Burst 4000PSI .Asight glass Aluminum testing manifold body.Designedto meet 1/4" SAE requirement for refrigerant permutation. 红(5/16"SAE)、黄(1/4"SAE)、兰(5/16"SAE)三根加液管, 工作压力 800PSI 爆破压力 4000PSI 。带视镜铝阀体, 接头尺寸1/4" SAE。
CT-360-G-R410A	60" (150cm)	
CT-372-G-R410A	72" (180cm)	

4-Valve Sight Glass Aluminum Alloy Testing Manifolds 四阀铝架带视镜表组

Item No. 型号	Size of hose (管子长度)	Discription (规格)
CT-436-G-R12&R22	36" (90cm)	3pcs red,yellow,black& blue charging hoses. Working pressure 500PSI Burst 2500PSI .A sight glass Aluminum testing manifold body. Designedto meet 1/4" SAE requirement for refrigerant permutation. 红、黄、黑、兰三根加液管, 工作压力 500PSI 爆破压力 2500PSI 。带视镜铝阀体, 接头尺寸1/4" SAE。
CT-460-G-R12&R22	60" (150cm)	
CT-472-G-R12&R22	72" (180cm)	
CT-736-G-R134A	36" (90cm)	3pcs red,yellow,black& blue charging hoses. Working pressure 600PSI Burst 3000PSI .A sight glass Aluminum testing manifold body. Designedto meet 1/4" SAE requirement for refrigerant permutation. 红、黄、兰、黑三根加液管, 工作压力 600PSI 爆破压力 3000PSI 。带视镜铝阀体, 接头尺寸1/4" SAE。
CT-760-G-R134A	60" (150cm)	
CT-772-G-R134A	72" (180cm)	
CT-836-G-R410A	36" (90cm)	3pcs red(5/16"SAE),yellow(1/4"SAE),black (1/4"SAE)& blue (5/16"SAE),charging hoses. Working pressure 800PSI Burst 4000PSI . Asight glass Aluminum testing manifold body. Designedto meet 1/4" SAE requirement for refrigerant permutation. 红(5/16"SAE)、黄(1/4"SAE)、黑(1/4"SAE)、兰(5/16"SAE)三根加液管, 工作压力 800PSI 爆破压力 4000PSI 。带视镜铝阀体, 接头尺寸1/4" SAE。
CT-860-G-R410A	60" (150cm)	
CT-872-G-R410A	72" (180cm)	


CT-4 VALVE
 四阀铝架带视镜

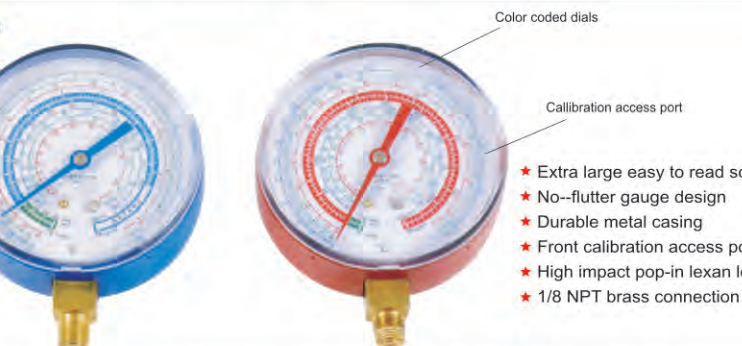
DS 2.5"/68mm Pressure Gauges


Pressure & Temp.Units	PSI/kPa F/°C	PSI °F	PSI °F	PSI °F
Refrigerant Scales	R410A	R12 R22 R502	R134a R404A R507	R22 R414A R404A
Replacement High gauge No.	DSBH	DSCH	DSDH	DSHH
Replacement Low gauge No.	DSBL	DSLH	DSDL	DSHL

Pressure & Temp.Units	PSI/Kg/cm² F/°C	PSI/Kg/cm² F/°C	PSI/kPa F/°C	PSI/kPa F/°C
Refrigerant Scales	R134a	R12 R22 R502	R22 R134a R404A	R407C R22
Replacement High gauge No.	DSIH	DSZH	DSTH	DSYH
Replacement Low gauge No.	DSIL	DSZL	DSTL	DSYL

DS 3.5"/80mm Pressure Gauges

Pressure & Temp.Units	PSI/kPa °C	PSI °C	PSI °C
Refrigerant Scales	R22 R134a R404A	R134a	R410a
Replacement High gauge No.	DSPH	DSSH	DSEH
Replacement Low gauge No.	DSPL	DSSL	DSEL


DS 3.5"/80mm Liquid Filled Gauges


Pressure & Temp.Units	PSI °F	PSI/kPa °C	PSI/kPa °C
Refrigerant Scales	R22 R22 R502	R410A	R12 R134a R404A
Replacement High gauge No.	DSMH	DSRH	DSLH
Replacement Low gauge No.	DSML	DSRL	DSLL

- ★ Glycerin-filled
- ★ Extra large easy to read scales
- ★ No-flutter gauge design
- ★ Rear calibration access port
- ★ 1/8 NPT brass connection

Bellow Compound Gauge & Filled With Oil


Part No.	Item No.	Description
DS-1001	FRG-250	Bellow Compound Gauge 1/4"SAE connection 23/4"dia
DS-1002	FRG-500	Bellow Pressure Gauge 1/4"SAE connection 23/4"dia
Part No.	Item No.	Description
DS-1003	FRG-250 GF	Bellow Compound Gauge Filled With Oil 1/4"SAE connection 23/4"dia
DS-1004	FRG-500 GF	Bellow Pressure Gauge Filled with Oil 1/4"SAE connection 23/4"dia

SINGLE GAUGE VALVE 单表阀



CT-466 Without Gauge
CT-466-G With Gauge

Brass Single Gauge Valve
(铜架单表阀)
High pressure or low pressure
are on your option
(可任选高压或低压表)
Packing in Color Box
(彩盒包装)



CT-467-G With Gauge

Aluminum Single Gauge Valve
(铝架单表阀)
High pressure or low pressure
are on your option
(可任选高压或低压表)
With 2pcs Charging Hose
(带两根加液管)
Packing in Color Box
(彩盒包装)

With Sight Glass Brass Testing Manifolds 带视镜铜架表组



CT-536G

Brass Testing Manifolds 铜架表组



CT-636G

Item No.	(型 号)	Size of hose (管子长度)	Discription (规 格)
CT-536-G-R12&R22	CT-636-G-R12&R22	36"(90cm)	3pcs red,yellow & blue charging hoses.Working pressure 500PSI Burst 2500PSI .A sight glass brass testing manifold body.Designed to meet 1/4" SAE requirement for refrigerant permutation. (CT-636 Without sight glass)
CT-560-G-R12&R22	CT-660-G-R12&R22	60"(150cm)	红、黄、兰三根加液管, 工作压力 500PSI 爆破压力 2500PSI .带视镜铜阀体, 接头尺寸1/4" SAE. (CT-636 不带视镜)
CT-572-G-R12&R22	CT-672-G-R12&R22	72"(180cm)	红、黄、兰三根加液管, 工作压力 500PSI 爆破压力 2500PSI .带视镜铜阀体, 接头尺寸1/4" SAE. (CT-636 不带视镜)
CT-536-G-R134A	CT-636-G-R134A	36"(90cm)	3pcs red,yellow & blue charging hoses.Working pressure 600PSI Burst 3000PSI .A sight glass brass testing manifold body.Designed to meet 1/4" SAE requirement for refrigerant permutation. (CT-636 Without sight glass)
CT-560-G-R134A	CT-660-G-R134A	60"(150cm)	红、黄、兰三根加液管, 工作压力 600PSI 爆破压力 3000PSI .带视镜铜阀体, 接头尺寸1/4" SAE. (CT-636 不带视镜)
CT-572-G-R134A	CT-672-G-R134A	72"(180cm)	红、黄、兰三根加液管, 工作压力 600PSI 爆破压力 3000PSI .带视镜铜阀体, 接头尺寸1/4" SAE. (CT-636 不带视镜)
CT-536-G-R410A	CT-636-G-R410A	36"(90cm)	3pcs red(5/16"SAE),yellow(1/4"SAE), & blue(5/16"SAE), charging hoses.Working pressure 800PSI Burst 4000PSI .A sight glass brass testing manifold body.Designed to meet 1/4" SAE requirement for refrigerant permutation. (CT-636 Without sight glass)
CT-560-G-R410A	CT-660-G-R410A	60"(150cm)	红(5/16"SAE)、黄(1/4"SAE)、兰(5/16"SAE)三根加液管, 工作压力 800PSI 爆破压力 4000PSI .带视镜铜阀体, 接头尺寸1/4" SAE. (CT-636 不带视镜)
CT-572-G-R410A	CT-672-G-R410A	72"(180cm)	红(5/16"SAE)、黄(1/4"SAE)、兰(5/16"SAE)三根加液管, 工作压力 800PSI 爆破压力 4000PSI .带视镜铜阀体, 接头尺寸1/4" SAE. (CT-636 不带视镜)



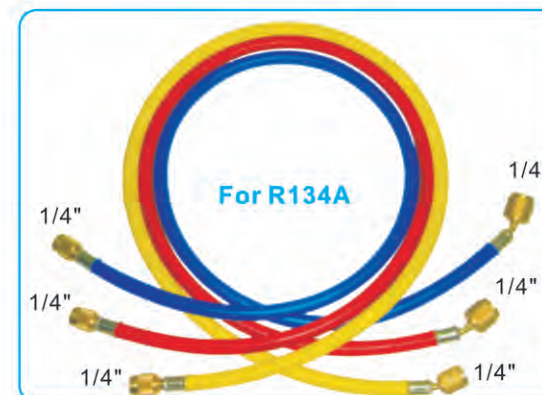
For R12,R22 & R502

**R12,R22 & R502 Standard Charging Hose
R12,R22 & R502 标准加液管**

CT-336-RYB 3 pcs 36"(90cm)red,yellow & blue hoses sets
CT-360-RYB 3 pcs 60"(150cm)red,yellow & blue hoses sets
CT-372-RYB 3 pcs 72"(180cm)red,yellow & blue hoses sets

Working Pressure 500PSI Burst 2500 PSI.
Designed to meet 1/4"SAE requirement for refrigerant permuta and assure long work life.

最大的工作压力为500PSI, 最大爆破压力为2500PSI。
1/4"SAE的接头, 该优质管能确保长时间的工作寿命。



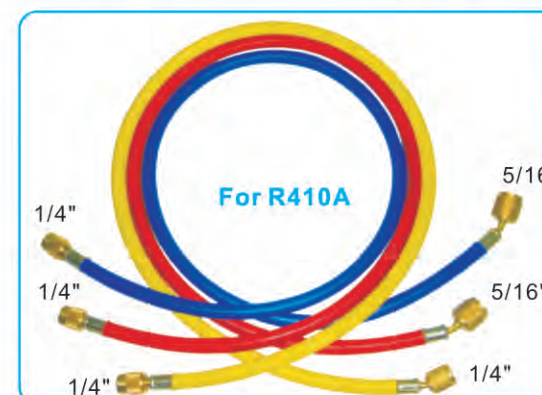
For R134A

**R134 Premium Charging Hose with 1/4" SAE Fittings
R134 优质胶管 1/4" SAE**

CT-336-RYB-P 3 pcs 36"(90cm)red,yellow & blue hoses sets
CT-360-RYB-P 3 pcs 60"(150cm)red,yellow & blue hoses sets
CT-372-RYB-P 3 pcs 72"(180cm)red,yellow & blue hoses sets

Working Pressure 600PSI Burst 3000 PSI.
Designed to meet 1/4"SAE requirement for refrigerant permuta and assure long work life.

最大的工作压力为600PSI, 最大爆破压力为3000PSI。
1/4"SAE的接头, 该优质管能确保长时间的工作寿命。



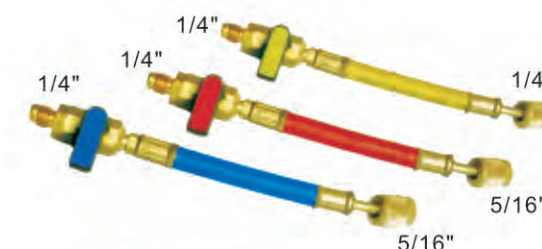
For R410A

**R410 High Pressure Charging Hose
R410 高压胶管 5/16" SAE**

CT-336-RYB-H 3 pcs 36"(90cm)red,yellow & blue hoses sets
CT-360-RYB-H 3 pcs 60"(150cm)red,yellow & blue hoses sets
CT-372-RYB-H 3 pcs 72"(180cm)red,yellow & blue hoses sets

Special material high pressure Charging hose.
Working Pressure 800PSI Burst 4000 PSI.
All the hoses with 1/4"SAE、5/16"SAE connections can be delivered.

特殊材质能够耐高压的胶管。
最大的工作压力为800PSI, 最大爆破压力为4000PSI。
所有胶管可提供1/4"SAE、5/16"SAE的接头。



带球阀加液接头

**R410 High Pressure Charging Hose With Ball Valve
R410 带球阀高压胶管接头**

R410-RV For red hose with ball valve
R410-YV For yellow hose with ball valve
R410-BV For blue hose with ball valve

Special material high pressure Charging hose.
Working Pressure 800PSI Burst 4000 PSI.
All the hoses with 1/4"SAE、5/16"SAE connections can be delivered.

特殊材质能够耐高压的胶管。
最大的工作压力为800PSI, 最大爆破压力为4000PSI。
所有胶管可提供1/4"SAE、5/16"SAE的接头。

www.gzzhigao.net
www.gzzhigao.en.alibaba.com

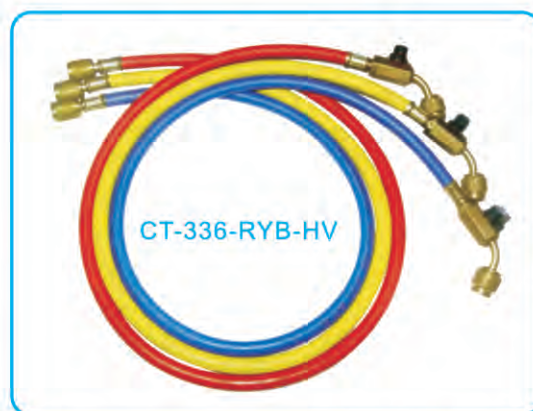
www.gzzhigao.net
www.gzzhigao.en.alibaba.com

制冷工具 A/C TOOLS

检漏仪 HALGEN LEAK DETECTOR

A/C TOOLS

HALGEN
LEAK DETECTOR



R410 High Pressure Charging Hose With Ball Valve

R410 带球阀高压胶管 5/16" SAE

CT-336-RYB-HV 3 pcs 36"(90cm)red,yellow & blue hoses sets with shut-off ball valve

CT-360-RYB-HV 3 pcs 60"(150cm)red,yellow & blue hoses sets with shut-off ball valve

CT-372-RYB-HV 3 pcs 72"(180cm)red,yellow & blue hoses sets with shut-off ball valve

Special material high pressure Charging hose.

Working pressure 800PSI Burst 4000 PSI

ALL the hose with 1/4"SAE、5/16"SAE connections can be delivered.

特殊材质能够耐高压的胶管。

最大的工作压力为800PSI，最大爆破压力为4000PSI。

所有胶管可提供1/4"SAE、5/16"SAE 的接头。

Auto AC swivel Adapters Kit 汽车加液管总成



Auto charging adapters & hoses kit complete kit blister packing on a card.
1/4 "Mx1/4"F, 1/4Mx3/16"F
1/4"Mx1/8"F Adapter.
Hose/B: 1/4"Mx3/16"F
Hose/R: 1/4"Mx1/8"F



Auto charging adapters & hoses kit complete kit blister packing on a card.
1/4 "Mx1/4"F, 1/4Mx3/16"F
1/4"Mx1/8"F Adapter.
Elbow for 3/8"F-1/4"M and two pcs 5/16"F-1/4"M.
Hose/B: 1/4"Mx3/16"F
Hose/R: 1/4"Mx1/8"F

Rigid Adapter With Depressor And Valve

带阀闷转换接头



1/4"Male Sae-5/16"Female Sae



5/16" Male Sae-1/4" Female Sae

空调机组气门芯拔出工具



Can Tap Valve 开瓶器

Can Tap Valve
For R12&R22 and R134 & R410 Refrigerant.



Economy Automotive R134a Quick Couplers

R134a 快速接头



Model	Colour	Description
QC12-L	Blue	Low side x 1/4" made flare straight
QC12-H	Red	High side x 1/4" made flare straight
QC15-L	Blue	Low side x 1/4" made flare 90°
QC15-H	Red	High side x 1/4" male flare 90°



Deluxe R134a Adjustable Quick Couplers

R134a 可调式快速接头



Model	Description
QC18-L	Low side x 1/4" made female 90°
QC18-H	High side x M14mm female 90°
QC19-L	Low side x 1/4" made flare 90°
QC19-H	High side x 1/4" male flare 90°



HLD-100+

Applications

Detect leaks in other systems and filling vessels. It will respond to all halogenated (including Chlorine and Fluorine refrigerants. This includes, but not limited to:

CFCs e.g. R12, R11, R500, R503 etc...

HCFCs e.g. R22, R123, R124, R502 etc...

HFCs e.g. R134a, R404a, R125 etc...

Mixtures such as AZ-50, HP62, MP39 etc...

Technical parameters

Ultimate sensitivity: 3gr/yr

Working temperature: 0°C ~ 52°C

Working Mode: Continuous and no limitation

Reaction time: instant

Resetting time: 2 seconds

Warm-up time: about 6 seconds

Size: 22.9cm x 6.5cm x 6.5cm

Weight: 560 grams

Power supply: 3V DV (2 quality batteries)

Probe length: 35.5cm Gross Weight: 720G/PC

Applications

It will respond to all halogen gases (including Chlorine and Fluorine).

cluding CFCs e.g. R12, R11, R500, R503 etc

FCS e.g. R22, R123, R124, R502 etc

CS e.g. R134a, R404a, R125 etc

Other mixtures, e.g. AZ-50, HP62, MP-39, etc

chnical parameters

Power supply: 3VDC (2XAA battery)

x. Sensitivity: R12, R22, R134a are certified to 6g/yr

imate sensitivity: 3g/yr

be life: about 30h

erating temperature: 0-52°C

terly life: Approximately 30h under normal condition

ponse time: Instantaneous

rk mode: continuous, no limitation

rm-up time: approximately 6s

set time: 2s

ight: 200g

Probe length: 30.5cm

Size: 17.0cm x 3.4cm x 5.5cm



HLD-200

Applications

Detect leaks in other systems and storage/recovery containers.

It will respond to all halogenated

(contains Chlorine of Fluorine)refrigerants.

This includes, but is not limited to:

CFCs e.g. R12, R11, R500, R503 etc...

HCFCs e.g. R22, R123, R124, R502 etc...

HFCs e.g. R134a, R404s, R125 etc...

Blends such as AZ-50, HP62, MP39 etc...

Technical parameters

Operating temperature: 0~52°C (30~°F to 125~°F)

Maximum sensitivity: 16 gr/yr, for all halogenated refrigerants

Ultimate sensitivity: 6g/yr

Battery life: Approximately 50 hours normal use

Response time: Instantaneous

Work mode: continuous, no limitation

Fixed probe length: 20cm

Unit dimensions: 22.9cm x 6.5cm x 6.5cm

Warm-up time: approximately 6 seconds

Reset time: two to ten seconds

Power supply: 6V DC four cell 7# excellent batteries



WJL-6000

检漏仪 HALGEN LEAK DETECTOR

HALGEN
LEAK DETECTOR



CPU-C

Main features

Microprocessor control, advanced digital signal processing
Single color visual display
Seven levels of sensitivity provide an increase of up to 64x
Tactile keypad
Real time sensitivity adjustment
Battery voltage indication
DELICACY for detecting R134a, R12, R22, etc.
True mechanical pumping provides positive airflow through sensing tip
Cordless and portable, operate on 2 "C" - cell batteries
14" (35.5cm) flexible, stainless probe
Warm-up time: 6s
One-year warranty



CPU-1F

Main features

Microprocessor control, advanced digital signal processing
Tricolor visual display
Seven levels of sensitivity provide an increase of up to 64x
Warm-up time: 6s
Tactile keypad
Real time sensitivity adjustment
Battery voltage indication
Certified to DELICACY for detecting R134a, R12, R22, etc.
Detect ALL Halogenated Refrigerants
True mechanical pumping provides positive airflow through sensing tip
Cordless and portable, operate on 2 "C" - cell batteries
14" (35.5cm) flexible, stainless probe
Optional Carrying Holster
Optional Leak Source Reference
Two-year warranty



CPU-1G

Main features

Microprocessor control, advanced digital signal processing
Tricolor visual display
Seven levels of sensitivity provide an increase of up to 64 times
Tactile keypad
Real time sensitivity adjustment
Battery test function, battery voltage indication
Sensitivity: maximum sensitivity: 6g/yr, ultimate sensitivity: 3g/yr
Certified to DELICACY for R134a, R12, R22
Detect ALL halogenated refrigerants
True mechanical pumping provides positive airflow through sensing tip
Mute feature
Cordless and portable, operate on 2 "C" -cell batteries
Carrying case included
14inch (35.5cm)flexible, stainless probe
Warm up time: 6s
Optional Carrying Holster
Optional leak source reference
Two-year warranty

Applications

Detect leaks in other systems and storage/recovery containers. It will respond to all halogenated (including Chlorine or Fluorine) refrigerants. This includes, but is not limited to:
CFCs e.g. R12, R11, R500, R503 etc...
HCFCs e.g. R22, R123, R124, R502 etc...
HFCs e.g. R134a, R404a, R125 etc...
Blends such as AZ-50, HP62, MP39 etc...

真空泵 VACUUM PUMP

VACUUM PUMP



双级真空泵 Dual Stage

型号 Item No.	VP215B (2VP-0.5 II)	VP225B (2VP-1 II)	VP235B (2VP-1.5 II)	VP245B (2VP-2 II)	VP260B (2VP-3 II)	VP280B (2VP-4 II)	VP2100B (2VP-5 II)
抽气速率 Flow Rate	50Hz	1.5CFM 42 L/min	2.5CFM 70 L/min	3.5CFM 100 L/min	4.5CFM 128 L/min	6CFM 170 L/min	8CFM 226 L/min
	60Hz	1.8CFM 50 L/min	3CFM 84 L/min	4CFM 114 L/min	5CFM 142 L/min	7CFM 198 L/min	9CFM 254 L/min
		3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns
电机功率Power		1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP
进气接头Inlet Port		1/4"Flare	1/4"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare
油量Oil Capacity		180ml	280ml	360ml	350ml	700ml	600ml
外形尺寸Dimensions(mm)		270X119X216	270X119X216	278X119X216	278X119X216	320X134X232	370X140X250
重量Weight		6kg	7kg	11kg	11.8kg	15kg	15.5kg



双频双压 Dual Voltage

型号 Item No.	VP215D	VP225D	VP235D	VP245D	VP2600D	VP280D	VP2100D
抽气速率 Flow Rate	50Hz	1.5CFM 42 L/min	2.5CFM 70 L/min	3.5CFM 100 L/min	4.5CFM 128 L/min	6CFM 170 L/min	8CFM 226 L/min
	60Hz	1.8CFM 50 L/min	3CFM 84 L/min	4CFM 114 L/min	5CFM 142 L/min	7CFM 198 L/min	9CFM 254 L/min
		3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns	3x10 ⁻¹ Pa 25 microns
电机功率Power		1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP
进气接头Inlet Port		1/4"Flare	1/4"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare
油量Oil Capacity		180ml	280ml	360ml	350ml	700ml	600ml
外形尺寸Dimensions(mm)		277x119x234	285x119x234	320x134x232	320x134x232	320X134X232	370X140X250
重量Weight		6.5kg	7kg	11.2kg	12kg	15kg	15.5kg



轻巧型真空泵 Portable Vacuum Pump

型号 Item No.		SVP115(SVP-1)						
抽气速率 Flow Rate	50Hz	1.5CFM						
		42 L/min						
	60Hz	1.8CFM						
		50 L/min						
极限真空 Ultimate vacuum		5Pa						
		375 microns						
电机功率Power		1/4HP						
进气接头Inlet Port		1/4"Flare						
油量Oil Capacity		230ml						
外形尺寸Dimensions(mm)		245x101x180						
重量Weight		3.7kg						

真空泵 VACUUM PUMP

单级真空泵 Single Stage

型号 Item No.	VP115 (VP-1)	VP125 (VP-1.5)	VP135 (VP-2)	VP145 (VP-2.5)	VP160 (VP-3)	VP180 (VP-4)	VP1100 (VP-5)
抽气速率 Flow Rate	50Hz	1.5CFM 42 L/min	2.5CFM 70 L/min	3.5CFM 100 L/min	4.5CFM 128 L/min	6CFM 170 L/min	8CFM 226 L/min
	60Hz	1.8CFM 50 L/min	3CFM 84 L/min	4CFM 114 L/min	5CFM 142 L/min	7CFM 198 L/min	12CFM 340 L/min
		5Pa 375 microns	5Pa 375 microns	5Pa 375 microns	5Pa 375 microns	5Pa 375 microns	5Pa 375 microns
电机功率Power	1/4HP	1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP
进气接头Inlet Port	1/4"Flare	1/4"Flare	1/4"Flare	1/4"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare
油量Oil Capacity	320ml	300ml	350ml	350ml	450ml	700ml	800ml
外形尺寸Dimensions(mm)	270X119X216	270X119X216	278X119X216	278X119X216	320X134X232	370X140X250	360X140X250
重量Weight	5.3kg	5.5kg	6.5kg	6.8kg	10kg	14kg	14.5kg

双级真空泵 Dual Stage

型号 Item No.	VP215 (2VP-0.5)	VP225 (2VP-1)	VP235 (2VP-1.5)	VP245 (2VP-2)	VP260 (2VP-3)	VP280 (2VP-4)	VP2100 (2VP-5)
抽气速率 Flow Rate	50Hz	1.5CFM 42 L/min	2.5CFM 70 L/min	3.5CFM 100 L/min	4.5CFM 128 L/min	6CFM 170 L/min	8CFM 226 L/min
	60Hz	1.8CFM 50 L/min	3CFM 84 L/min	4CFM 114 L/min	5CFM 142 L/min	7CFM 198 L/min	12CFM 340 L/min
		3x10 ⁻³ Pa 25 microns	3x10 ⁻³ Pa 25 microns	3x10 ⁻³ Pa 25 microns	3x10 ⁻³ Pa 25 microns	3x10 ⁻³ Pa 25 microns	3x10 ⁻³ Pa 25 microns
电机功率Power	1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP	1HP
进气接头Inlet Port	1/4"Flare	1/4"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare
油量Oil Capacity	180ml	280ml	360ml	350ml	700ml	600ml	700ml
外形尺寸Dimensions(mm)	270X119X216	270X119X216	278X119X216	278X119X216	320X134X232	370X140X250	360X140X250
重量Weight	6kg	7kg	11kg	11.8kg	15kg	15.5kg	16kg

单级真空泵 Single Stage

型号 Item No.	VP115 (VP-1.1I)	VP125B (VP-1.5.II)	VP135B (VP-2.II)	VP145B	VP160B (VP-3.II)	VP180B (VP-4.II)	VP1100B (VP-5.II)
抽气速率 Flow Rate	50Hz	1.5CFM 42 L/min	2.5CFM 70 L/min	3.5CFM 100 L/min	4.5CFM 128 L/min	6CFM 170 L/min	8CFM 226 L/min
	60Hz	1.8CFM 50 L/min	3CFM 84 L/min	4CFM 114 L/min	5CFM 142 L/min	7CFM 198 L/min	12CFM 340 L/min
		5Pa 375 microns	5Pa 375 microns	5Pa 375 microns	5Pa 375 microns	5Pa 375 microns	5Pa 375 microns
电机功率Power	1/4HP	1/4HP	1/3HP	1/3HP	1/2HP	3/4HP	1HP
进气接头Inlet Port	1/4"Flare	1/4"Flare	1/4"Flare	1/4"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare	1/4" & 3/8"Flare
油量Oil Capacity	320ml	300ml	350ml	350ml	450ml	700ml	800ml
外形尺寸Dimensions(mm)	270X119X216	270X119X216	278X119X216	278X119X216	320X134X232	370X140X250	360X140X250
重量Weight	5.3kg	5.5kg	6.5kg	6.8kg	10kg	14kg	14.5kg

冷媒回收机 REFRIGERANT RECOVERY & RECYCLING UNIT

Model	RECO250		
Refrigerants	Cat. III: R-12, R-134a, R-401C, R-406A, R-500,		
	Cat. IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R-509		
	Cat. V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507		
Power	110-127V/60Hz	220-240V 50/60Hz	100V 50/60Hz
Motor	1/2HP AC ;Capacitor start		
Max. Current	4A@50Hz 8A@60Hz		
Compressor	Oil-less; air cooled; piston style		
Refrigerant Recovery Rate		Cat. III	Cat. IV
	Vapor	0.23kg/min	0.25kg/min
	Liquid	1.57kg/min	1.81kg/min
Rate	Push/Pull	4.64kg/min	5.57kg/min
		6.22kg/min	
High Pressure Shut-off	38bar/550psi		
Low Pressure Shut-off	Optional		
80% OFP. Shut-off kit	Optional		
Operating Temp.	0°C-40°C		
Dimensions	485mm(L) x220mm (W)x 365mm(H)		
Net Weight	15kg		

Model	RECO520		
Refrigerants	Cat. III: R-12, R-134a, R-401C, R-406A, R-500,		
	Cat. IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-411A, R-411B, R-412A, R-502, R-509		
	Cat. V: R-402A, R-404A, R-407A, R-407B, R-410A, R-507		
Power	110-127V/60Hz	220-240V 50/60Hz	100V 50/60Hz
Motor	1HP AC ;Capacitor start		
Max. Current	6A@50Hz 12A@60Hz		
Compressor	Twin- piston style		
Refrigerant Recovery Rate		Cat. III	Cat. IV
	Vapor	0.46kg/min	0.50kg/min
	Liquid	3.14kg/min	3.62kg/min
Rate	Push/Pull	9.28g/min	11.14kg/min
		12.44kg/min	
High Pressure Shut-off	38bar/550psi		
Low Pressure Shut-off	Optional		
80% OFP. Shut-off kit	Optional		
Operating Temp.	0°C-40°C		
Dimensions	485mm(L) x220mm (W)x 365mm(H)		
Net Weight	16kg		

1 HP, Twin pistons

VALVE

74

73

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电控箱 ELECTRIC CONTROL BOX

温控器系列 THERMOSTATS

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ELECTRIC
CONTROL BOX



**ECB-10
5HP-20HP**



**ECB-20
5HP-15HP**



**ECB-30
5HP-15HP**



**ECB-3000
10HP**



**ECB-5060
5HP-15HP**



**ECB-5080
5HP-15HP**



**ECB-6020
5HP-15HP**



**ECB-6030
5HP-15HP**



**ECB-1000
3HP-5HP**



THERMOSTATS









		Single-input, single-output							
Applied range		water chiller seafood machine simple refrigerating and heating control instruments	water chiller seafood machine direct-cooling cabinet simple refrigerating and heating control instruments	water chiller seafood machine medium-high temperature cold storage	water chiller seafood machine medium-high temperature cold storage	direct-cooling cabinet medium-high temperature cold storage small but complex refrigerating equipment	direct-cooling cabinet medium-high temperature cold storage small but complex refrigerating equipment	medium-high temperature inter-cooled cabinet	medium-high temperature inter-cooled cabinet
Product appearance									
Model		STC-100A	STC-200+	STC-8000H	MTC-2000	ETC-100 ^{password lock}	ETC-30	LTC-3X(switch knob)	LTC-2X(switch knob)
Brief Introduction	Power Supply	220V +10%/-15% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V +10%/-15% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V +10%/-15% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz
	Temperature controlling range	-40℃~99℃	-50℃~99℃	-40℃~50℃	-40℃~50℃	-50℃~120℃	-50℃~120℃ or -58 F~248 F	-40℃~90℃ temp.measuring range	-40℃~90℃ temp.measuring range
	Resolution	1℃	1℃	1℃	0.1℃	0.1℃	0.1℃ or 1℃ (Optional)	1℃	1℃
	Accuracy	±1	±1	±1	±1	±0.5	±1	±1	±1
	Pattern	Refrigerating/heating	Refrigerating/heating alarming	Refrigerating	Refrigerating	Refrigerating	Refrigerating/heating	—	—
Output	Mounting Size	71*29(mm)	71*29(mm)	71*29(mm)	92*45(mm)	71*29(mm)	71*29(mm)	112*39(mm)	112*39(mm)
	Refrigerating	10A	10A	10A(16A optional)	10A	10A(20A optional)	16A	30A	30A
	Defrosting	—	—	—	—	—	—	—	—
	Fan	—	—	—	—	—	—	—	—
	Light	—	10A/240VAC	—	—	—	—	—	—
Input	Alarming	buzzer (optional)	buzzer	buzzer	buzzer	buzzer	—	buzzer	—
	Sensor	1 NTC	1 NTC	1 NTC	1 NTC	1 Integrated Sensor	1 NTC or PTC	1 NTC	1 NTC
	Digital Input	—	—	—	—	—	digital input	—	—
Others	Copy Card	—	—	—	—	—	—	—	—
	Protection Level	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP65(panel)	IP65	IP65
HACCP		—	—	—	—	—	—	—	—

		Single-input, single-output					double-input, double-output		
Applied range		air cooling refrigerator	seafood machine water chiller	medium-high temperature cold storage/ air cooling refrigerator	medium-low temperature cabinet	medium-low temperature cabinet	direct-cooling cabinet/ medium-high temperature cold storage small but complex refrigerating equipment	air cooling refrigerator display cabinet	air cooling refrigerator display cabinet
Product appearance									
Model		LTC-200	ATC-800+	STC-9010	STC-5060	MTC-3000	ETC-2040	STC-500	STC-600
Brief Introduction	Power Supply		200V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220/110V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	12VAC/DC
	Temperature controlling range	-40℃~50℃	3℃~40℃	-50℃~50℃	-50℃~50℃	-50℃~120℃	-45℃~100℃ or -58 F~238 F	-45℃~45℃ or -40 F~120 F	-50℃~50℃
	Resolution	1℃	0.1℃	0.1℃	0.1℃	0.1℃	0.1℃	1℃	0.1℃
	Accuracy	±1	±1	±1	±1	±1	±1	±1	±1
	Pattern	Refrigerating	Refrigeration automatically convert hot	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating
Output	Mounting Size	187*35.5(mm)	170*90(mm)	71*29(mm)	92.5*43.5(mm)	92*45(mm)	71*29(mm)	71*29(mm)	71*29(mm)
	Refrigerating	30A	25A(Refrigerating) 10A(heating)	8A	3A	10A	8A	20A	30A(external)
	Defrosting	10A	—	8A	3A	10A	8A	10A	30A(external)
	Fan	—	—	—	—	—	—	—	30A(external)
	Light	—	—	—	—	—	—	10A/240VAC	—
Input	Alarming	buzzer	buzzer	buzzer	buzzer	buzzer	buzzer	buzzer	buzzer
	Sensor	1 NTC	1 NTC	2 NTC	2 NTC	2 NTC	2 NTC	2 NTC	2 NTC
	Digital Input	—	—	—	—	—	—	—	—
Others	Copy Card	—	—	—	Optional	—	Optional	Optional	—
	Protection Level	IP54(panel)	IP65(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP65
HACCP		—	—	—	—	—	—	—	—

温控器系列 THERMOSTATS

THERMOSTATS

Single-input, single-output									
medicine frozen cabinet	medium-high temperature inter-cooled cabinet	medium-high temperature inter-cooled cabinet	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment
									
ETC-H8(LCDBacklight)	STC-300	STC-630	STC-8080A+	STC-8080H	MTC-2120A+H	STC-9600	MTC-2130	STC-8090	ETC-200+ password lock
220V ±20% backup battery	220V ±10% -40℃~70℃	12VAC/DC	220V±18%/-15% 50Hz/60Hz	220V±10%/-15% 50Hz/60Hz	220V±10%/-15% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V±10% 50Hz/60Hz	220V±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz
-50℃~50℃	-40℃~70℃	-40℃~70℃	-40℃~50℃	-40℃~50℃	-40℃~50℃	-50℃~50℃	-40℃~70℃	-40℃~70℃	-50℃~120℃
0.1℃	1℃	1℃	1℃	1℃	0.1℃	0.1℃	1℃	1℃	0.1℃
±1	±1	±1	±1	±1	±1	±1	±1	±1	±0.5
Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating/heating
71*29(mm)	71*29(mm)	71*29(mm)	71*29(mm)	71*29(mm)	92*45(mm)	71*29(mm)	92*45(mm)	71*29(mm)	71*29(mm)
16A	10A	30A(external)	10A	10A	10A	10A	10A	10A	10A
—	—	timing defrost (can be cancel)	10A(timing defrost)	10A(timing defrost)	10A(timing defrost)	—	10A(timing defrost)	10A(timing defrost)	10A(timing defrost)
—	—	—	—	—	—	—	—	—	—
—	10A	30A(external)	—	—	—	—	—	—	—
buzzer	—	buzzer	buzzer(can be cancel)	buzzer(can be cancel)	buzzer(can be cancel)	buzzer reley	buzzer (can be cancel)	buzzer (can be cancel)	buzzer
1 NTC	1 NTC	1 NTC	1 NTC	1 NTC	1 NTC	1 NTC	1 NTC	1 NTC	1 integrated sensor
optional	—	—	—	—	—	door switch	—	—	—
IP54(panel)	IP54(panel)	IP65	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)
—	—	—	—	—	—	—	—	—	—

double-input,three-output							double-input,three-output		
medicine frozen cabinet	medium-high temperature inter-cooled cabinet	medium-high temperature inter-cooled cabinet	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment	medium-low temperature cold storage medium-low temperature cabinet small refrigeration equipment
									
STC-9100	STC-9200	MTC-5080	ATC-1100	ATC-1200	ETC-40/50/60	ETC-2060/2080/300	MTC-6000	ATC-1300	ATC-1300
220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V/100V±10% 50Hz/60Hz	220V ±10% 50Hz/60Hz	220V ±10%	220V ±10%
-50℃~50℃	-50℃~50℃	-50℃~50℃	-50℃~50℃	-50℃~50℃	-50℃~50℃ or -58 F~248 F	-45.5℃~100℃ ro-50 F~230 F	-50℃~50℃	50Hz/60Hz -45.5℃~110℃	50Hz/60Hz -45.5℃~110℃
0.1℃	0.1℃	0.1℃	0.1℃	0.1℃	0.1℃ or 1℃ optional	0.1℃	0.1℃	0.1℃	0.1℃
±1	±1	±1	±1	±1	±1	±1	±1	±1	±1
Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating	Refrigerating,heating	Refrigerating	Refrigerating	Refrigerating	Refrigerating
71*29(mm)	71*29(mm)	92.5*43.5(mm)	170*90(mm)	170*90(mm)	71*29(mm)	71*29(mm)	92.5*43.5(mm)	170*90(mm)	170*90(mm)
8A	8A	3A	8A	8A	16A	8A	3A	8A	8A
8A	8A	3A	8A	8A	10A	8A	3A	8A	8A
8A	8A	—	8A	8A	10A	8A	3A	8A	8A
—	—	—	—	—	—	—	—	—	—
buzzer	buzzer	buzzer	buzzer	buzzer	—	buzzer	buzzer	buzzer	buzzer
2 NTC	2 NTC	2 NTC	2 NTC	2 NTC	2 NTC or PTC	2 NTC	2 NTC	2 NTC	2 NTC
optional	optional	—	—	—	Digital Input	door switch	—	—	—
IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP65(panel)	IP54(panel)	IP54(panel)	IP54(panel)	IP54(panel)
—	—	—	—	—	Consistent with	—	—	—	—

数字温度计面板表

EMBEDDED TEMPERATURE PANEL METER

PANEL METER





KSD-3005
除霜温控器



KSD-3006
除霜温控器



KSD-3007
除霜温控器



KSD-3008
除霜温控器



KSD-3009
除霜温控器



KSD-3010
除霜温控器



KSD-3011
除霜温控器



KSD-3012
除霜温控器



KSD-3013
除霜温控器



KSD-3014
除霜温控器



KSD-4001
除霜温控器



KSD-4002
除霜温控器



KSD-4003
除霜温控器



KSD-4004
除霜温控器



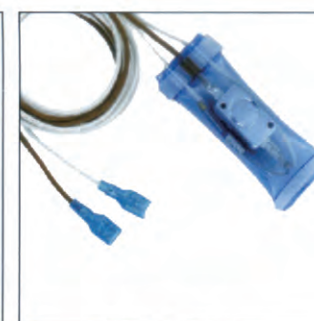
KSD-4005
除霜温控器



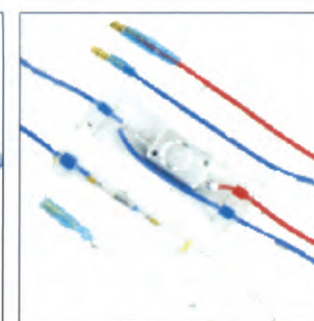
KSD-4006
除霜温控器



KSD-2002
除霜温控器



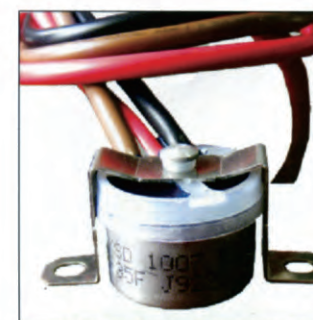
KSD-2003
除霜温控器



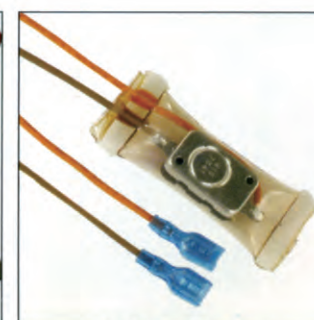
KSD-2004
除霜温控器



KSD-2005
除霜温控器



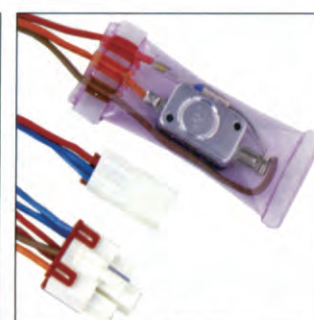
KSD-1007 STDP
双金属除霜温控器



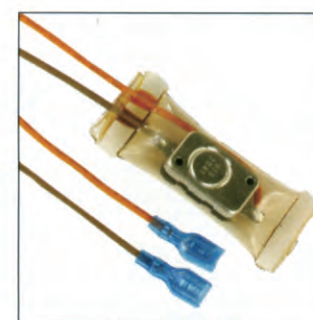
KSD-2006
除霜温控器



KSD-2007
除霜温控器



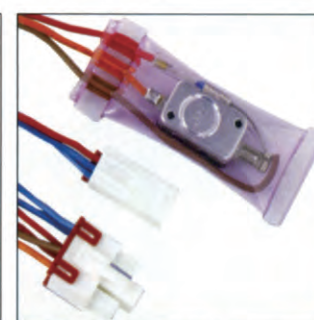
KSD-2008
除霜温控器



KSD-2010
除霜温控器



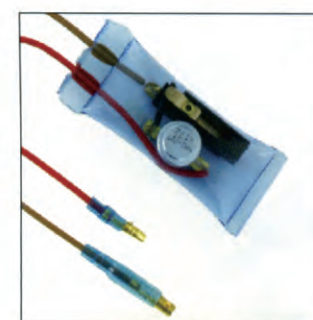
KSD-2011
除霜温控器



KSD-2012
除霜温控器



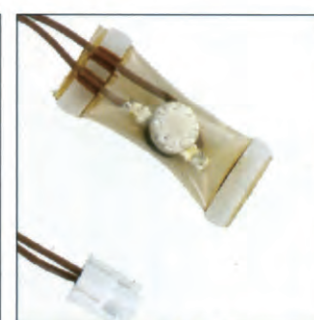
KSD-2014
除霜温控器



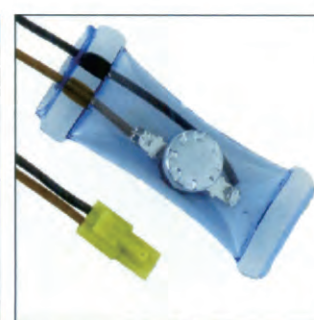
KSD-3001
除霜温控器



KSD-3002
除霜温控器



KSD-3003
除霜温控器



KSD-3004
除霜温控器

家用型

Household type



711



F2000



K50-P1125



WDF 16-L



K50-P1126



K50-P1127



WDF16A-L



WP0.5-L



WDF20-K



WDF33U-L



WPF20-K



WPF28-L



WSF25-L



饮水机圈



花锌板



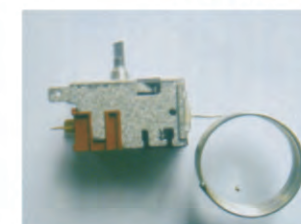
WPF6-10

出口型Danfoss(丹佛斯款)

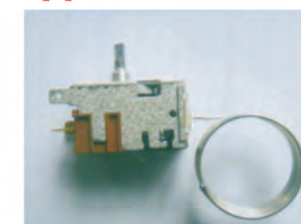
Danfoss Type



077B 0021



077B 0023L



077B 0025



077B 0026



077B 0027



077B 0028



077B 0033



077B 0161L



077B 0814



077B 0816L



077B 0973



077B 1085



077B 6075



077B 6232



077B 6562



077B 6640



077B 6708

出口型GE款

GE Type



3ART5LP5



3ART5VC81



3ART5VC158



3ART5VG10



3ART5VW14



3ART17RE16



3ART17RL45



3ART17S5



3ART24A165



3ART24A151



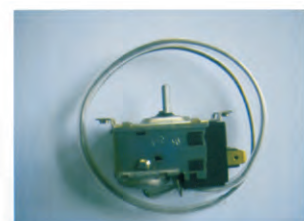
Gc505



GET229A139, T22970Vet9, T205

洛伯索款

Rob Suo Type



P8100001



RC72635



RC93600-2E



RC-11873-2

出口型兰柯A款

Ranco-A Type



A10-6579-057(上)



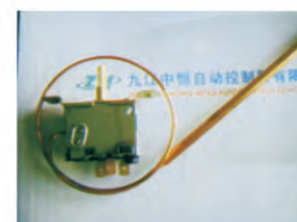
A10-3128-3084



A10-3128-3084(上)



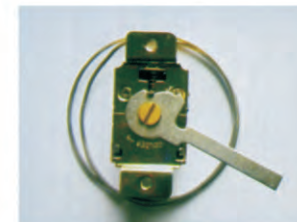
A10-6579-057



A22-1254-057



A10-7006-057



A10-7006-057(上)



A30-1884-058



A45-1039-000



A22-1254-057



A22-2134-058



WL-1A



A10-6580-057(镀锡管)



A10-6600-057



A10-6580-057(尾部拔尖)



A10-6580-057(不镀锡管)

出口型兰柯K款

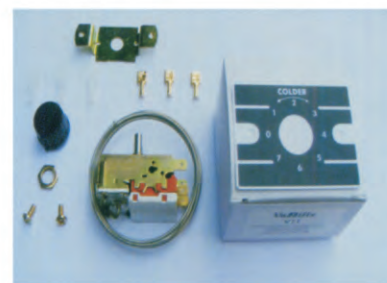
Ranco-k Type



(VA2)K50-P1174



(VB7)K50-P1118



(VC1)K50-P1110



(VF3)K50-P1174



(VP4)K60-P1013



(VR6)K54-P3100



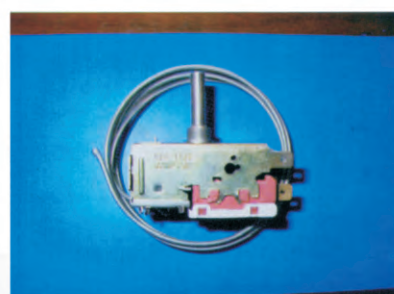
(VS5)K54-P1102



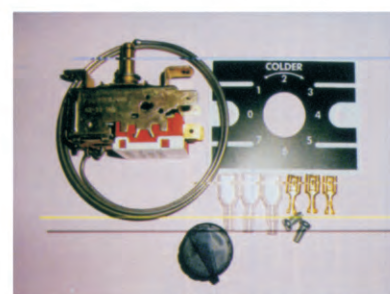
(VT9)K59-L1102



(VW8)K55-L5010



K50-1133



K50-1216



K50-P1179

鹭宫款

Saginomiya Type



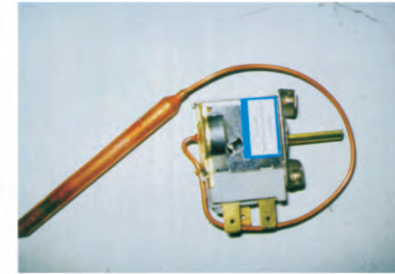
0133E03901A



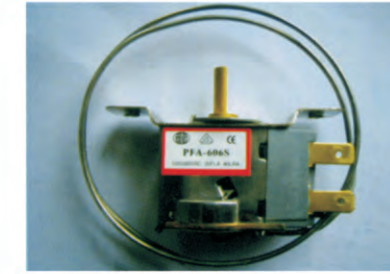
ATB-Y131



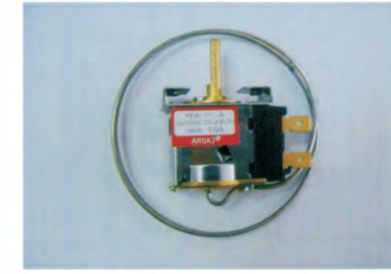
GNA-602D



KWTB-057C



PFA-606S



PFA-111-A



PFA-163



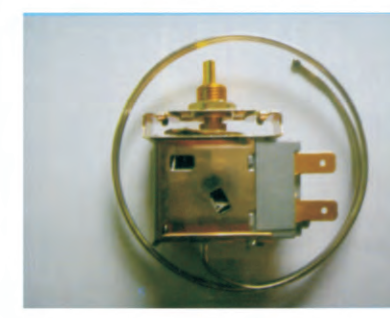
PFA-604G(温包)



PFA-604G中性



PFN110UA



PFN150M-02出口



PFN-001

TIMER



TMDJ833RC1



TMDJ702AC1



TMDJ625RN9
(230VAC 50 60Hz)



TMDJ521ZC1



TMDJ702ZH2



TMDJ702ZD1



TMDEX09UM1
(AC200-240V)



TMDE 807 KF2
(AC200-240V)



TMDE 702ZD1
(AC200-240V)



TMDE 702 ZC1
(AC200-240V)



TMDE 625 ZF1
(AC200-240V)



TMDE 520 ZC1
(AC200-240V)



TMDE802 ZC1
(AC200-240V)



TMDE706 SC
(AC200-240V)



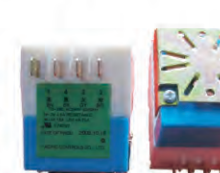
TMDE503ZC2



TD-20C (model 4)



TD-20C (model 3)



TD-20C (model 2)



TD-20C (model 1)



TD20L



SB3.81



R 8003
6 Hour Timer



R 8002
8 Hour Timer



M8322



DSQ-1B
AC220V 50Hz



DSQ-1A
(AC220V 50Hz)



DBZF-912-1G2
(AC200-240V)



DBZD-805-1G3
(230VAC 50 60Hz)



DBZ-912-1G2
(AC200-240V)



DBZ-807-1
(AC200-240V)



TMDF603AD1
AC220 240V 50 60Hz



TMDF 706SC
AC200 240V 50 60Hz



TMDF704ED1
AC220 240V 50 60Hz

序号 Number	出口型号(外贸品) Model Number
1	TMDE802ZC1.220V
2	TMDE702ZA1.110V
3	TMDEX09UM1.220V
4	DBZ121-01.220V
5	TMDE706SC220V
6	TMDE807KF1.220V
7	TMDE714ZC1.220V
8	TMDE520ZC1.220V
9	TMDE625ZF1.220V
10	TMDC62-1.220V 白色 (White Color)
11	TMDC625-1.220V 黑色 (Black Color)
12	TMDC82-1.220V 白色 (White Color)
13	TMDC825-1.220V 黑色 (Black Color)
14	TMDC625-1A220V 盖透明 (Transparent color with cover)
15	TMDC825-1A220V 盖透明 (Transparent color with cover)
16	TMDC625-1AX 220V 盖透明零线
17	TMDJ521ZF1.220V
18	TMDJ625ZF1.220V
19	TMDJ625RN9.110V
20	TMDJ721ZF1.220V
21	TMDJ725ZF1.220V
22	TMDJ737RC1.220V
23	TMDJ833RC1.220V
24	TMDJX25RC1.220V
25	TMDJZ35RE9.110V
26	TMDJ625RB9.110V有零线
27	TD - 20C.220V
28	TD - 20L.110V
29	TD - 20CSA.220V
30	TD - 20LSA.110V
31	TMDN804 (NAKAGAWA)泰国 (Thailand)
32	TMDN704 (NAKAGAWA)泰国 (Thailand)
33	TMDN1004(NAKAGAWA)泰国 (Thailand)

序号 Number	出口型号(外贸品) Model Number
33	TMDM625
34	TMDH830
35	TMDG8-6.5-2 (DT 100)
36	TMDG807 (DT 100)
37	TMDG810 (DT 100)
38	TMDF702ZD1.220V
39	TMDF702ZH2.220V
40	TMDF702KB1.110V
41	TMDF704ED1.220V
42	TMDF706CD1.220V.
43	TMDF706KL1.110V
44	TMDFX004KH2.110V
45	TMDFX004ZD1.220V
46	M8322.220V
47	M8308.110V
48	M8431.220V
49	M8429.110V
50	M8320.220V
51	
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62	
63	
64	

TIMER


JHZ-1

JHZ-2

JHZ-3

JHZ-4

JHZ-5

JHZ-6

JHZ-7

JHZ-8

JHZ-9

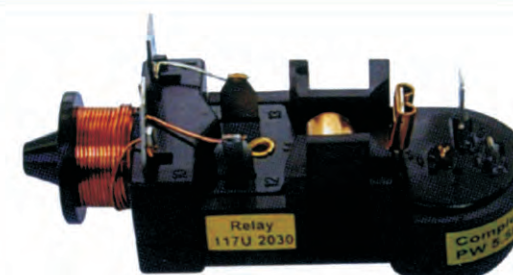
JHZ-10

JHZ-11

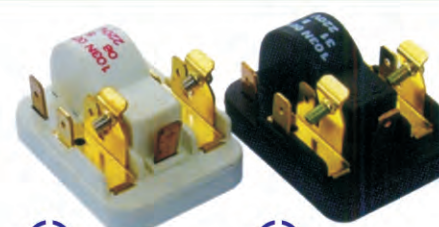
JHZ-12

(A)
(B)
技术参数 TECHNICAL DATA

型号 Model	117U6000	117U6001	117U6002	117U6003	117U6004	117U6005	117U6007	117U6009	117U6010	117U6011	117U6015	117U6021
吸合电流(A) Connect current	3.0	4.0	5.8	6.8	2.8	8.0	2.2	2.5	5.8	9.0	4.8	10


JL8
技术参数 TECHNICAL DATA

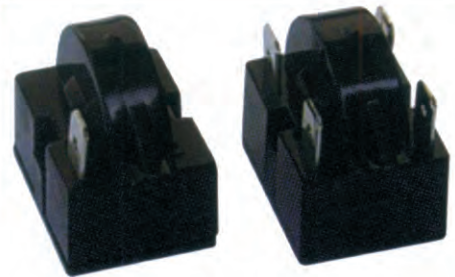
型号 Model	吸合电流(A) Connect current	释放电流(A) Release current	过载电流(A) Overload current	动作温度℃ Applied temperature	复位温度℃ Restored temperature
117U2010	2	1.6	4	105 ± 10	60 ± 10
117U2030	3	2.6	5		
117U2040	4	3.6	6.5		
117U2050	4.6	4.2	6.5		

PL4

(A)
(B)
技术参数 TECHNICAL DATA

常温阻值(Ω ± 30%) The constant resistance	最大电压(V) Max.Voltage	最大电压(A) Max.current	最耗(W) Power consumption	动作时间(S) Movement time	恢复时间(S) Resume time
12	450	10	<3	0.14~0.56	<90
22		8			
33		7			

PTC 启动系列 PTC STARTER SERIES

PTC STARTER
SERIES



PL1



PL2



PL3

技术参数 **TECHNICAL DATA**

常温阻值(Ω ± 30%) The constant resistance	最大电压(V) Max.Voltage	最大电压(A) Max.current	最耗(W) Power consumption	动作时间(S) Movement time	恢复时间(S) Resume time
12	450	10	<3	0.14~0.56	<90
15		9			
22		8			
33		7			
47		6	<2	1.2~2.8	
100		3.5			



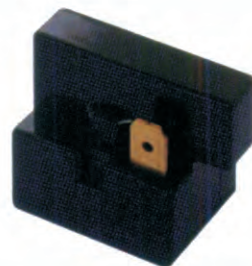
IC-4



PL5



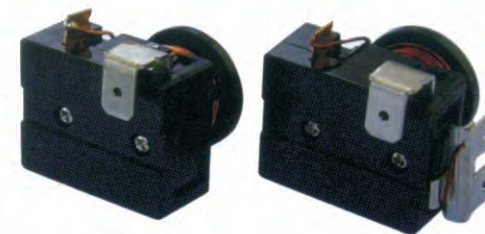
PL6



PL7

重锤式启动继电器系列 STARTER SERIES

STARTER
SERIES



(A) (B)

JL3



(A) (B)

RP



JL4

技术参数 **TECHNICAL DATA**

规格(HP) The specification	1/12	1/10	1/8	1/7	1/6	1/5	1/4	1/3	1/2
配用功率(W) Applied power	61	74	93	105	125	150	180	245	375
最大吸合电流(A) Max.connect current	2.0	2.5	3.0	3.3	3.6	4.75	5.35	6.0	7.5
最小释放电流(A) Minimum release current	1.6	2.0	2.6	2.8	3.0	3.35	4.25	4.75	6.0



(A)



(B)



(C)

JL6

技术参数 **TECHNICAL DATA**

规格(HP) The specification	1/12	1/10	1/8	1/7	1/6	1/5	1/4	1/3	1/2
配用功率(W) Applied power	61	74	93	105	125	150	180	245	375
最大吸合电流(A) Max.connect current	2.0	2.5	3.0	3.3	3.6	4.75	5.35	6.0	7.5
最小释放电流(A) Minimum release current	1.6	2.0	2.6	2.8	3.0	3.35	4.25	4.75	6.0

冰箱过载过热保护系列
OVERLOAD FOR REFRIGERATOR SERIES

REFRIGERATOR
SERIES



技术参数 **TECHNICAL DATA**

规格(HP) The specification	1/12	1/10	1/8	1/7	1/6	1/5	1/4	1/3	1/2	3/8
配用功率(W) Applied power	61	74	93	105	125	150	180	245	375	275
90℃ 时动作电流(A) Movement electric current 90℃	0.9	1.1	1.2	1.3	1.5	2.25	2.42	2.85	3.5	3.1
过载电流(A) Overload current	5.2	5.3	5.6	6.2	6.8	8	8.7	10	12	11
动作温度(℃) Applied temperature	100~140									
复位温度(℃) Restored temperature	50~80									
25(℃)动作时间(S) Movement temperature 25℃	7~16									



技术参数 **TECHNICAL DATA**

规格(HP) The specification	配用功率(W) Applied power	过载电流(A) Overload current	动作温度(℃) Applied temperature	复位温度(℃) Restored temperature
JRT4-2/3	450W(2/3HP)	14	125~155	50~80
JRT4-10	750W(1HP)	16		
JRT4-13	975W(1.3HP)	20		
JRT4-15	1100W(1.5HP)	24		
JRT4-20	1500W(2HP)	30		
JRT6-30	2200W(3HP)	35		
JRT6-50	3700W(5HP)	40		

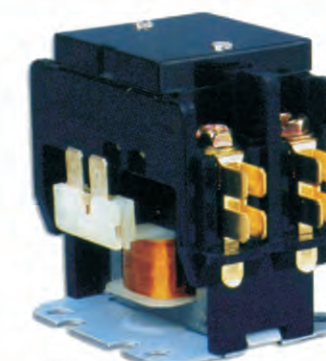
空调接触开关 CONTACTOR

CONTACTOR

DEFINITE PURPOSE CONTACTORS

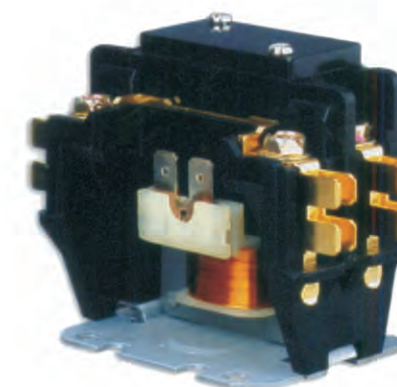
ONE POLE WITH SHUNT CONTACTORS

Full Load Amp	Coil Voltage 50/60Hz	Line Voltage	Locked Rotor Amp	Resistive Amp Rating	Maximum Voltage	HP Single Phase
20FLA-1POLE						
20	24	240/227	120	30	120	1
	120	480	100	30	240	2
	208/240	600	80	30	-	-
	277					
20FLA-1POLE						
25	24	240/227	150	35	120	1
	120	480	125	35	240	2
	208/240	600	100	35	-	-
	277					
20FLA-1POLE						
30	24	240/227	150	40	120	1
	120	480	125	40	240	2
	208/240	600	100	40	-	-
	277					
20FLA-1POLE						
40	24	240/277	200	50	120	2
	120	480	160	50	240	3
	208/240	600	120	50	-	-
	277					



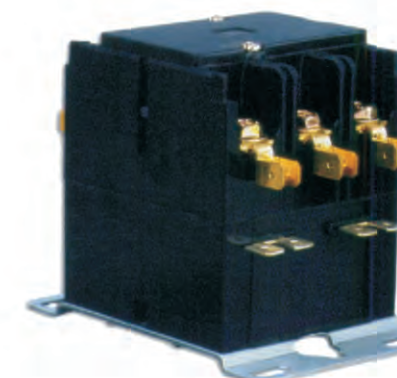
THREE POLE CONTACTORS

Full Load Amp	Coil Voltage 50/60Hz	Line Voltage	Locked Rotor Amp	Resistive Amp Rating	Maximum Voltage	HP Single Phase
20FLA-1POLE						
20	24	240/227	120	30	120	1.5
	120	480	100	30	240/270	3
	208/240	600	80	30	480/600	-
	277					7.5
20FLA-1POLE						
25	24	240/227	150	35	120	2
	120	480	125	35	240/270	5
	208/240	600	100	35	480	10
	277				600	15
20FLA-1POLE						
30	24	240/227	150	40	120	2
	120	480	125	40	240/270	5
	208/240	600	100	40	480	10
	277				600	15
20FLA-1POLE						
40	24	240/277	240	50	120	3
	120	480	200	50	240/270	7.5
	208/240	600	160	50	480	10
	277				600	20



TWO POLE CONTACTORS

Full Load Amp	Coil Voltage 50/60Hz	Line Voltage	Locked Rotor Amp	Resistive Amp Rating	Maximum Voltage	HP Single Phase
20FLA-1POLE						
20	24	240/227	120	30	120	2
	120	480	100	30	240	3
	208/240	600	80	30	-	-
	277					
20FLA-1POLE						
25	24	240/227	150	35	120	2
	120	480	125	35	240	3
	208/240	600	100	35	-	-
	277					
20FLA-1POLE						
30	24	240/227	150	40	120	2
	120	480	125	40	240	3
	208/240	600	100	40	-	-
	277					
20FLA-1POLE						
40	24	240/277	200	50	120	2
	120	480	160	50	240	3
	208/240	600	120	50	-	-
	277					



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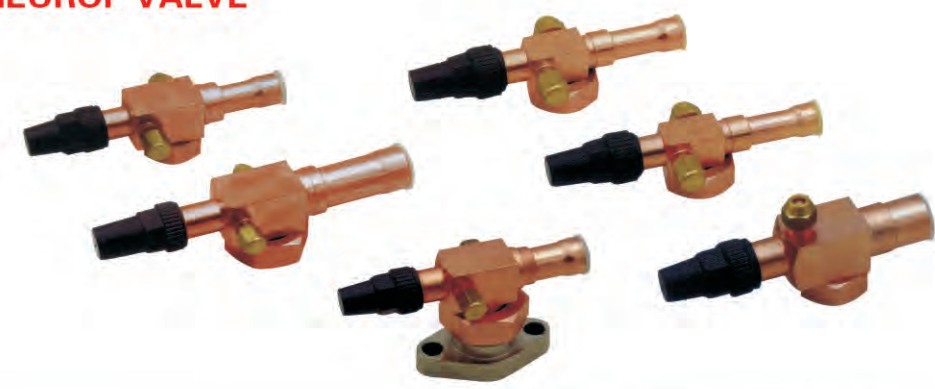
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美优乐阀/谷轮截止阀
MANEUROP VALVE /COPELAND VALVE

电容 CAPACITOR

MANEUROP VALVE



Model	接口尺寸/Connector Size		
	英制/Size	M螺纹	S六角
V01	3/8	1"X1/4"	30
V02	1-1/8	1-3/4" X 1/2"	51
V03	1-3/8	1-3/4" X 12"	51
V04	3/4	1-1/4" X 1/2"	36
V05	7/8	1-3/4" X 1/2"	36
V06	1/2	1" X 1/2"	30
V07	7/8	1-1/4" X 1/2"	51
V09	5/8	1-1/4" X 1/2"	36

COPELAND SERIES SHUTOFF VALVE



型号规格	A(mm)	B	OD
405	272	170	28
408	250	151	25
407A	235	132	25
407	230	130	19
410	250	146	32
410A	260	149	38



Voltage	Oval type CBB66		Round Type CBB65		Round Type CBB60
	370V	450V	370V	450V	250V/450V
Run Capacitors Microfarad (uf)	3	3	3	3	3
	5	5	5	5	5
	7.5	7.5	7.5	7.5	7.5
	10	10	10	10	10
	12.5	12.5	12.5	12.5	12.5
	15	15	15	15	15
	20	20	20	20	20
	20+5	20+5	20+5	20+5	20+5
	25	25	25	25	25
	25+5	25+5	25+5	25+5	25+5
	30	30	30	30	30
	30+5	30+5	30+5	30+5	30+5
	35	35	35	35	35
	35+5	35+5	35+5	35+5	35+5
	40	40	40	40	40
	40+5	40+5	40+5	40+5	40+5
	45	45	45	45	45
	50	50	50	50	50
	55	55	55	55	55
	60	60	60	60	60
	65	65	65	65	65
	70	70	70	70	70



Voltage	110/125V	220/250V	330V
Start Capacitors Microfarad (uf)	72-86	72-86	72-86
	88-108	88-108	88-108
	108-130	108-130	108-130
	124-146	124-146	124-146
	130-156	130-156	130-156
	145-175	145-175	145-175
	161-193	161-193	161-193
	189-227	189-227	189-227
	216-259	216-259	216-259
	233-280	233-280	233-280
	243-292	243-292	243-292
	270-324	270-324	270-324
	324-388	324-388	324-388
	340-408	340-408	340-408
	378-454	378-454	378-454
	400-480	400-480	400-480
	430-516	430-516	430-516
	460-552	460-552	460-552
	540-648	540-648	540-648
	590-708	590-708	590-708
	645-774	645-774	645-774
	708-850	708-850	708-850
	720-864	720-864	720-864
	829-995	829-995	829-995

NO:GZ-001



产品尺寸: 1010X260
产品类别: 双面吹胀蒸发器

NO:GZ-002



产品尺寸: 1185X305
产品类别: 双面吹胀蒸发器

NO:GZ-003



产品尺寸: 1185X305
产品类别: 双面吹胀蒸发器

NO:GZ-004



产品尺寸: 1056X245
产品类别: 双面吹胀蒸发器

NO:GZ-005



产品尺寸: 1346X360
产品类别: 双面吹胀蒸发器

NO:GZ-006



产品尺寸: 1350X276
产品类别: 双面吹胀蒸发器

NO:GZ-007



产品尺寸: 1223X586
产品类别: 双面吹胀蒸发器

NO:GZ-008



产品尺寸: 1056X465
产品类别: 双面吹胀蒸发器

NO:GZ-009



产品尺寸: 1145X455
产品类别: 双面吹胀蒸发器

NO:GZ-010



产品尺寸: 1130X270
产品类别: 双面吹胀蒸发器

NO:GZ-011



产品尺寸: 1992X490
产品类别: 双面吹胀蒸发器

NO:GZ-012



产品尺寸: 1460X485
产品类别: 双面吹胀蒸发器

NO:GZ-013



产品尺寸: 1545X485
产品类别: 双面吹胀蒸发器

NO:GZ-014



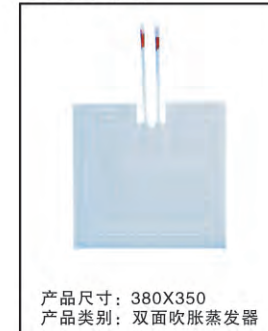
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产品类别: 双面吹胀蒸发器

NO:GZ-015



产品尺寸: 855X288
产品类别: 双面吹胀蒸发器

NO:GZ-016



产品尺寸: 380X350
产品类别: 双面吹胀蒸发器

NO:GZ-017



产品尺寸: 485X440
产品类别: 双面吹胀蒸发器

NO:GZ-018



产品尺寸: 453X372
产品类别: 双面吹胀蒸发器

NO:GZ-019



产品尺寸: 610X380
产品类别: 双面吹胀蒸发器

NO:GZ-020



产品尺寸: 566X372
产品类别: 双面吹胀蒸发器

NO:GZ-021



产品尺寸: 760X447
产品类别: 双面吹胀蒸发器

NO:GZ-022



产品尺寸: 225X210
产品类别: 双面吹胀蒸发器

NO:GZ-023



产品尺寸: 380X310
产品类别: 双面吹胀蒸发器

NO:GZ-024



产品尺寸: 410X320
产品类别: 双面吹胀蒸发器

NO:GZ-025



产品尺寸: 440X340
产品类别: 双面吹胀蒸发器

NO:GZ-026



产品型号: 119-7619
产品尺寸: 514x396折
产品类别: 双面吹胀蒸发器

NO:GZ-027



产品尺寸: 500X300
产品类别: 双面吹胀蒸发器

NO:GZ-028



产品尺寸: 566X372
产品类别: 双面吹胀蒸发器

NO:GZ-029



产品尺寸: 400X210
产品类别: 双面吹胀蒸发器

NO:GZ-030



产品尺寸: 440X340
产品类别: 双面吹胀蒸发器



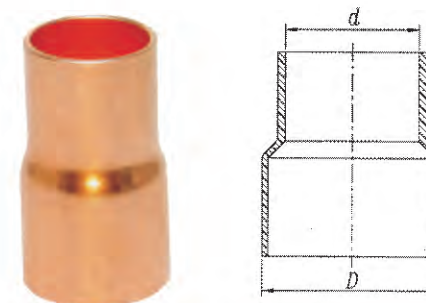
铜管规格 Specification of copper tube		保温管规格 Insulation pipe specifications	
英寸(inch)	mm	9mm厚	13mm厚
1/4"	6	6X9	6X13
3/8"	10	10X9	10X13
1/2"	12	12X9	12X13
5/8"	15	15X9	15X13
7/8"	19	19X9	19X13
3/4"	22	22X9	22X13
1"	25	25X9	25X13
1-1/8"	28	28X9	28X13
1-1/4"	32	32X9	32X13
1-3/8"	35	35X9	35X13
1-1/2"	38	38X9	38X13
1-5/8"	42	42X9	42X13
1-3/4"	45	45X9	45X13
1-7/8"	48	48X9	48X13
2"	51	51X9	51X13



Acoustic Insulation

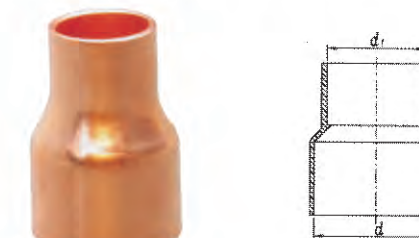
Flexible acoustic grade foam insulation materials are provided as sound absorbers or as sound insulation barriers when used in conjunction with loaded membranes for the construction sector, appliance manufacture, marine and transport and for treatment of mobile and fixed plant and equipment.

承插异径直接 Fitting Reducer



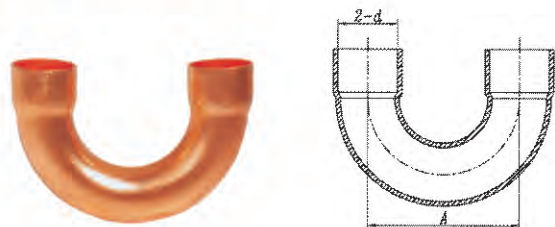
代号No.	D	d	代号No.	D	d
S-φ 12.7x9.52	12.7	9.52	S-φ 41.3x16	41.3	16
S-φ 16x9.52	16	9.52	S-φ 41.3x19	41.3	19
S-φ 16x12.7	16	12.7	S-φ 41.3x22	41.3	22
S-φ 19x9.52	19	9.52	S-φ 41.3x28.6	41.3	28.6
S-φ 19x12.7	19	12.7	S-φ 41.3x35	41.3	35
S-φ 19x16	19	16	S-φ 42x22	42	22
S-φ 22x9.52	22	9.52	S-φ 42x28	42	28
S-φ 22x12.7	22	12.7	S-φ 42x32	42	32
S-φ 22x16	22	16	S-φ 54x16	54	16
S-φ 22x19	22	19	S-φ 54x19	54	29
S-φ 25x15	25	15	S-φ 54x22	54	22
S-φ 25x16	25	16	S-φ 54x28.6	54	28.6
S-φ 25x19	25	19	S-φ 54x35	54	35
S-φ 28x15	28	15	S-φ 54x41.3	54	41.3
S-φ 28x16	28	16	S-φ 66.7x22	66.7	22
S-φ 28x19	28	19	S-φ 66.7x28.6	66.7	28.6
S-φ 28x22	28	22	S-φ 66.7x35	66.7	35
S-φ 28.6x12.7	28.6	12.7	S-φ 66.7x41.3	66.7	41.3
S-φ 28.6x16	28.6	16	S-φ 66.7x54	66.7	54
S-φ 28.6x22	28.6	22	S-φ 76x22	76	22
S-φ 35x15	35	15	S-φ 76x28	76	28
S-φ 35x16	35	16	S-φ 76x35	76	35
S-φ 35x19	35	19	S-φ 76x54	76	54
S-φ 35x22	35	22	S-φ 80x54	80	54
S-φ 35x25	35	25	S-φ 85x54	85	54
S-φ 35x28	35	28	S-φ 85x67	85	67
S-φ 35x28.6	35	28.6			

承口异径直接 Reducing Coupling



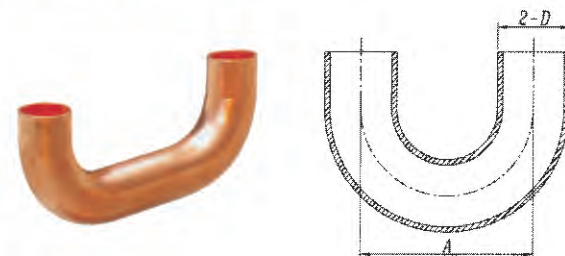
代号No.	d	d1	代号No.	d	d1
S-10x6	10	6	S-35x28	35	28
S-10x8	10	8	S-35x15	35	15
S-12x6	12	6	S-35x16	35	16
S-12x8	12	8	S-35x19	35	19
S-12x10	12	10	S-35x22	35	22
S-13x6	13	6	S-35x25	35	25
S-13x8	13	8	S-35x28	35	28
S-13x10	13	10	S-35x28.6	35	28.6
S-14x8	14	8	S-35x32	35	32
S-14x10	14	10	S-38x15	38	15
S-14x12	14	12	S-38x22	38	22
S-15x10	15	10	S-38x28	38	28
S-15x12	15	12	S-38x32	38	32
S-16x6	16	6	S-38x35	38	35
S-16x8	16	8	S-41.3x22.5	41.3	22.5
S-16x10	16	10	S-41.3x28.6	41.3	28.6
S-16x12	16	12	S-42x15	42	15
S-16x13	16	13	S-42x16	42	16
S-19x8	19	8	S-42x19	42	19
S-19x10	19	10	S-42x22	42	22
S-19x12	19	12	S-42x28	42	28
S-19x13	19	13	S-42x32	42	32
S-19x15	19	15	S-42x35	42	35
S-19x16	19	16	S-44x22	44	22
S-22x6	22	6	S-44x28	44	28
S-22x12	22	12	S-44x35	44	35
S-22x15	22	15	S-45x16	45	16
S-22x16	22	16	S-45x22	45	22
S-22x19	22	19	S-45x28	45	28
S-22.5x13	22.5	13	S-45x32	45	32
S-25x12	25	12	S-45x35	45	35
S-25x15	25	15	S-54x16	54	16
S-25x16	25	16	S-54x19	54	19
S-25x22	25	22	S-54x22	54	22
S-28x10	28	10	S-54x28	54	28
S-28x15	28	15	S-54x32	54	32
S-28x16	28	16	S-54x35	54	35
S-28x19	28	19	S-54x38	54	38
S-28x22	28	22	S-54x42	54	42
S-28x25	28	25	S-54x45	54	45
S-28.6x16	28.6	16	S-55x22	55	22
S-28.6x22	28.6	22	S-55x28	55	28
S-32x15	32	15	S-55x35	55	35
S-32x16	32	16	S-55x42	55	42
S-32x19	32	19	S-55x44	55	44
S-32x22	32	22	S-55x45	55	45
S-32x25	32	25	S-67x22	67	22

180° 承口弯头 180° Elbow



代号No.	d	A	代号No.	d	A
U-8	8	24	U-25	25	76
U-9.52	9.52	25.4	U-25.4	25.4	76
U-10	10	30	U-28	28	88
U-12	12	36	U-28.6	28.6	88
U-12.7	12.7	32	U-32	32	108
U-15.88	15.88	38	U-35	35	108
U-16	16	48	U-38	38	11.1
U-19	19	60	U-42	42	93
U-22	22	64	U-54	54	154
U2.33	22.3	64			

180° 插口弯头 180° Elbow



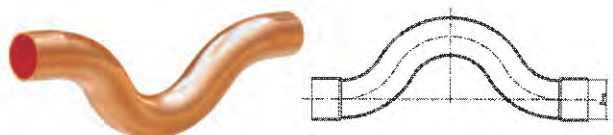
代号No.	D	A	代号No.	D	A
U-φ8	8	20	U-φ19	19	60
U-φ9.5	9.5	25.4	U-φ22	22	68
U-φ10	10	28	U-φ25	25	76
U-φ12.7	12.7	42	U-φ28	28	84
U-φ12.7	12.7	55	U-φ32	32	101.6
U-φ12.7	12.7	31.7	U-φ35	35	108
U-φ15.8	15.8	38.1			

承口过桥弯 Full Cross Over



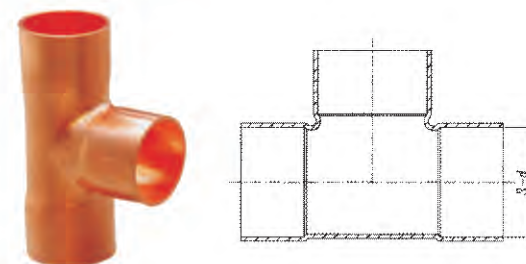
代号No.	d	代号No.	d
W-13	13	W-19	19
W-15	15	W-22	22
W-16	16		

插口过桥弯 Full Cross Over



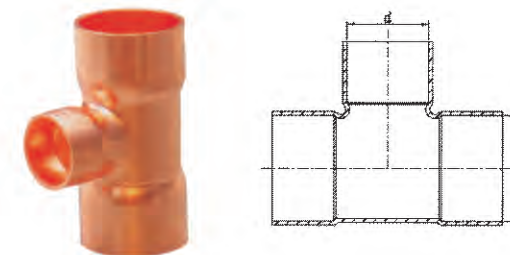
代号No.	D
W-φ16	16
W-φ149	19
W-φ22	22

承口三通 Tee



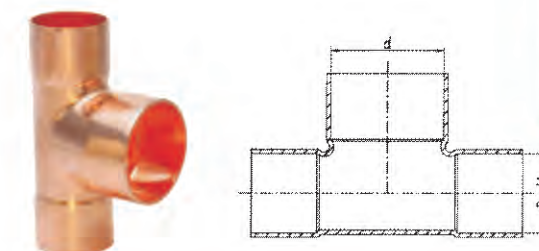
代号No.	d	代号No.	d	代号No.	d
T-6	6	T-25	25	T-54	54
T-6.35	6.35	T-25.6	25.6	T-55	55
T-8	8	T-28	28	T-67	67
T-9.52	9.52	T-28.6	28.6	T-70	70
T-10	10	T-32	32	T-76	76
T-12	12	T-35	35	T-80	80
T-12.7	12.7	T-387	38	T-85	85
T-15	15	T-40	40	T-89	89
T-15.88	15.88	T-41.3	41.3	T-92	92
T-16	16	T-42	42	T-105	105
T-19	19	T-44	44	T-108	108
T-22	22	T-45	45		
T-22.3	22.3	T-50	50		

中小三通 Reducing Tee



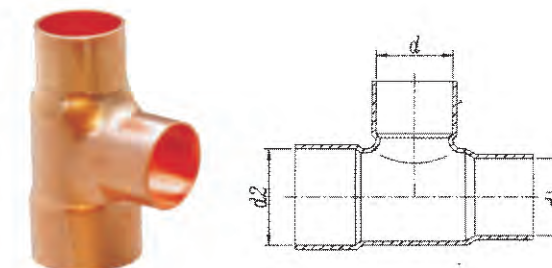
代号No.	d1	d	代号No.	d1	d
T-22x15	22	15	T-54x42	54	42
T-22x16	22	16	T-55x16	55	16
T-22x19	22	19	T-55x22	55	22
T-25x15	25	15	T-55x28	55	28
T-25x16	25	16	T-55x35	55	35
T-25x19	25	19	T-55x45	55	45
T-25x22	25	22	T-66.7x54	66.7	54
T-28x12	28	12	T-67x22	67	22
T-28x15	28	15	T-67x28	67	28
T-28x16	28	16	T-67x35	67	35
T-28x19	28	19	T-67x42	67	42
T-28x22	28	22	T-67x54	67	54
T-32x16	32	16	T-70x28	70	28
T-32x19	32	19	T-70x35	70	35
T-32x22	32	22	T-70x42	70	42
T-32x28	32	28	T-70x45	70	45
T-35x15	35	15	T-70x54	70	54
T-35x16	35	16	T-70x55	70	55
T-35x19	35	19	T-76x28	76	28
T-35x22	35	22	T-76x35	76	35
T-35x28	35	28	T-76x42	76	42
T-42x15	42	15	T-76x54	76	54
T-42x16	42	16	T-76x67	76	67
T-42x19	42	19	T-85x42	85	42
T-42x22	42	22	T-85x45	85	45
T-42x28	42	28	T-85x55	85	55
T-42x35	42	35	T-85x67	85	67
T-45x22	45	22	T-85x70	85	70
T-45x28	45	28	T-85x76	85	76
T-45x35	45	35	T-105x67	105	67
T-54x15	54	15	T-105x70	105	70
T-54x16	54	16	T-105x76	105	76
T-54x19	54	19	T-105x85	105	85
T-54x22	54	22	T-108x67	108	67
T-54x28	54	28	T-108x76	108	76
T-54x35	54	35	T-108x85	108	85

中大三通 Reducing Tee



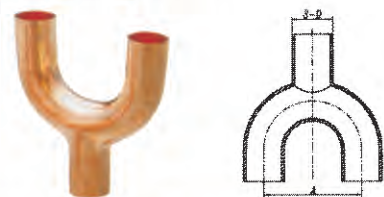
代号No.	d1	d	代号No.	d1	d
T-15x22	15	22	T-35x41.3	35	41.3
T-16x19	116	19	T-35x42	35	42
T-16x22	16	22	T-35x54	35	54
T-19x22	19	22	T-42x54	42	54
T-19x25	19	25	T-42x67	42	67
T-19x28	19	28	T-54x67	54	67
T-22x28	22	28	T-54x76	54	76
T-22x35	22	35	T-67x76	67	76
T-28x35	28	35			

异径三通 Reducing Tee



代号No.	d1	d	d2	代号No.	d1	d	d2
T-15x22x22	15	22	22	T-15x15x22	15	15	22
T-22x28x28	22	28	28	T-15x15x28	15	15	28
T-28x35x35	28	35	35	T-22x22x28	22	22	28
T-35x42x42	35	42	42	T-28x28x35	28	28	35
T-42x54x54	42	54	54	T-35x35x42	35	35	42
T-10x10x15	10	10	15	T-42x42x54	42	42	54

Y 形插口三通 special Tee



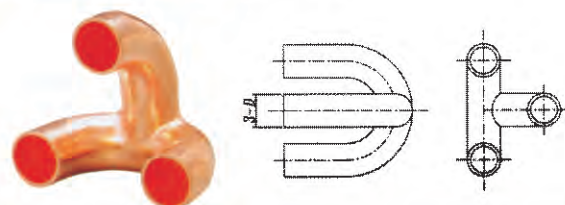
代号No.	D	A	代号No.	D	A
Y-φ7	7	20.2	Y-φ10	10	25.4
Y-φ8	8	25.4	Y-φ12.7	12.7	36
Y-φ9.5	9.5	24.4	Y-φ15.8	15.8	38.1
Y-φ9.5	9.5	20.4			

Y 形承插三通 special Tee



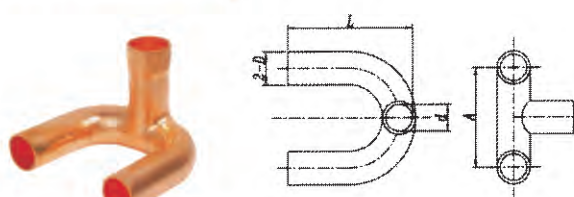
代号No.	D	d	A	代号No.	D	d	A
Y-φ6.35x6.35	6.35	6.35		Y-φ12.7x12.7	12.7	12.7	30
Y-φ7.94x7.94	7.94	7.94		Y-φ16x16	16	16	48
Y-φ9.5x9.5	9.5	9.5	25.4	Y-φ22x22	22	22	68

鸡爪三通 special Tee



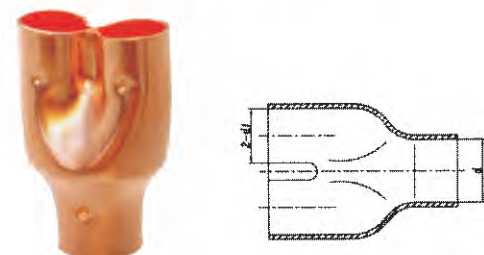
代号No.	D	代号No.	D
E-φ6.35	6.35	E-φ12.7	12.7
E-φ7.94	7.94	E-φ16	16
E-φ9.52	9.52	E-φ22	22

侧三通 Three-way Tube



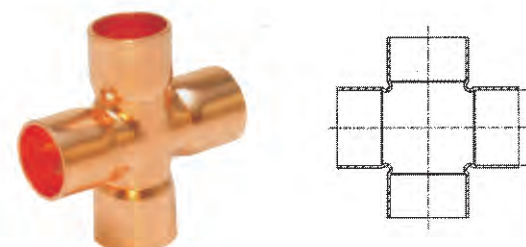
代号No.	D	d	A	L
YL-φ7x6.35	7	6.35	17.6	23
YL-φ7x8	7	8	15.5	24
YL-φ7x9.52	7	9.52	17.6	19
YL-φ7x9.52	7	9.52	21	20
YL-φ7.94x12.5	7.94	12.5	25	21
YL-φ7.94x12.7	7.94	12.7	20.5	21
YL-φ7.52x9.52	7.52	9.52	18	23
YL-φ7.94x12.7	7.94	12.7	18	23

裤三通 Distribute Connector



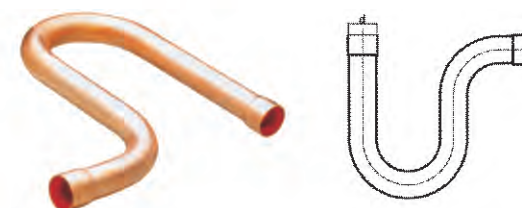
代号No.	d	d1	代号No.	d	d1
YK-7x7/2	7	7	YK-19x16/2	19	16
YK-9.52x9.52/2	9.52	9.52	YK-25.4x19/2	25.4	19
YK-9.52x8/2	9.52	8	YK-32x25.4/2	32	25.4
YK-12.7x12.7/2	12.7	12.7	TK-38x38/2	38	38

同径四通 Cross



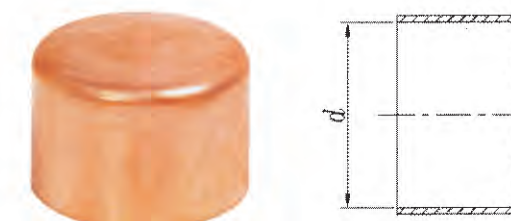
代号No.	d	代号No.	d
X-15	15	X-28	28
X-16	16	X-35	35
X-22	22	X-42	42
X-25	25	X-67	67

P 形弯头 P-Trap



代号No.	规格 Size
PT-16	5/8"
PT-19	3/4"
PT-22	7/8"
PT-28	11/8"
	13/8"
	18/8"
	21/8"

管帽 Cap

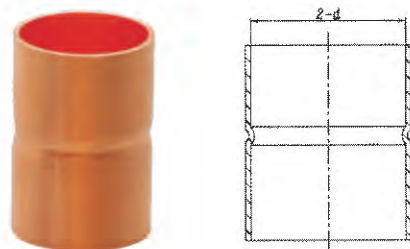


代号No.	d	代号No.	d	代号No.	d	代号No.	d
C-15	15	C-28	28	C-54	54	C-85	85
C-19	19	C-35	35	C-67	67	C-105	105
C-22	22	C-42	42	C-70	70	C-108	108
C-25.4	25.4	C-45	45	C-76	76	C-133	133

分歧管 Disperse pipe

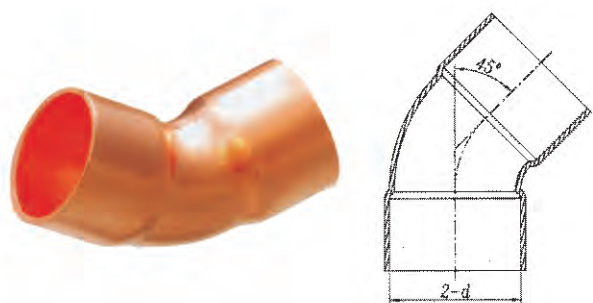


承口直接 Straight Coupling



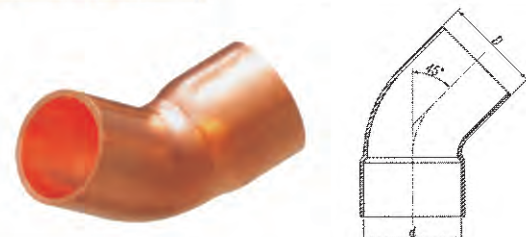
代号 No.	d	代号 No.	d	代号 No.	d
S-6	6	S-25	25	S-67	67
S-6.35	6.35	S-25.6	25.6	S-70	70
S-8	8	S-28	28	S-76	76
S-9.52	9.52	S-28.6	28.6	S-80	80
S-10	10	S-32	32	S-85	85
S-12	12	S-35	35	S-89	89
S-13	13	S-38	38	S-92	92
S-15	15	S-50	50	S-105	105
S-16	16	S-54	54	S-108	108
S-19	19	S-55	55	S-133	133
S-22	22	S-60	60	S-159	159
S-22.5	22.5	S-66.7	66.7		

45° 承口弯头 45° Elbow



代号 No.	d	代号 No.	d	代号 No.	d
V-6.35	6.35	V-28	28	V-55	55
V-9.52	9.52	V-28.6	28.6	V-67	67
V-12.7	12.7	V-32	32	V-70	70
V-15	15	V-35	35	V-76	76
V-16	16	V-38	38	V-80	80
V-19	19	V-41.3	41.3	V-85	85
V-22	22	V-42	42	V-89	89
V-22.5	22.5	V-44	44	V-92	92
V-25	25	V-45	45	V-105	105
V-25.4	25.4	V-54	54	V-108	108

45° 承插弯头 45° Elbow



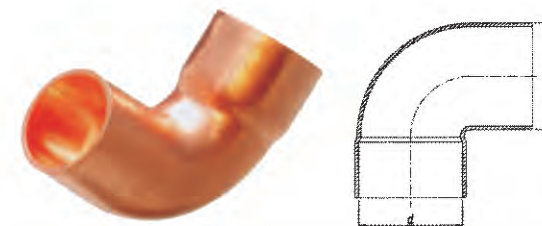
代号 No.	D	d	代号 No.	D	d
V-φ 8x8	8	8	V-φ 45x45	45	45
V-φ 10x10	10	10	V-φ 48x48	48	48
V-φ 12.7x12.7	12.7	12.7	V-φ 50x50	50	50
V-φ 15x15	15	15	V-φ 54x54	54	54
V-φ 16x16	16	16	V-φ 67x67	67	67
V-φ 19x19	19	19	V-φ 70x70	70	70
V-φ 22x22	22	22	V-φ 76x76	76	76
V-φ 25x25	25	25	V-φ 80x80	80	80
V-φ 28x28	28	28	V-φ 85x85	85	85
V-φ 32x32	32	32	V-φ 105x105	105	105
V-φ 35x35	35	35	V-φ 108x108	108	108
V-φ 38x38	38	38	V-φ 133x133	133	133
V-φ 40x40	40	40	V-φ 159x159	159	159
V-φ 42x42	42	42	V-φ 219x219	219	219
V-φ 44x44	44	44			

90° 承口弯头 90° Elbow



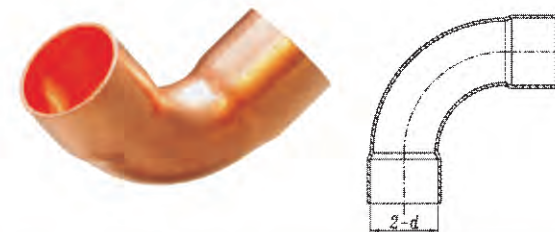
代号 No.	d	代号 No.	d	代号 No.	d
L-6	6	L-25	25	L-54	54
L-6.35	6.35	L-25.6	25.6	L-55	55
L-8	8	L-28	28	L-66.7	66.7
L-9.52	9.52	L-28.6	28.6	L-67	67
L-10	10	L-32	32	L-70	70
L-12	12	L-35	35	L-76	76
L-12.7	12.7	L-38	38	L-79	79
L-13	13	L-40	40	L-80	80
L-15	15	L-41.3	41.3	L-85	85
L-15.88	15.88	L-42	42	L-89	89
L-16	16	L-44	44	L-92	92
L-19	19	L-45	45	L-105	105
L-22	22	L-50	50	L-108	108
L-22.3	22.3	L-51	51	L-133	133

90° 承插弯头 90° Elbow



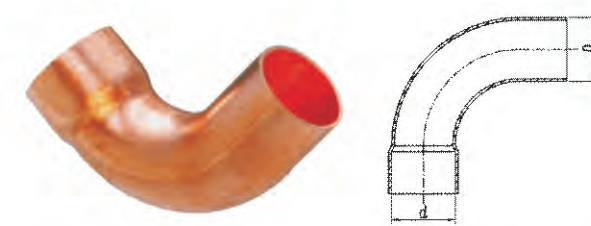
代号 No.	D	d	代号 No.	D	d
L-φ 12x12	12	12	L-φ 41.3x41.3	41.3	41.3
L-φ 16x16	16	16	L-φ 42x42	42	42
L-φ 19x19	19	19	L-φ 54x54	54	54
L-φ 22x22	22	22	L-φ 67x67	67	67
L-φ 22.3x22.3	22.3	22.3	L-φ 76x76	76	76
L-φ 25x25	25	25	L-φ 79x79	79	79
L-φ 25.4x25.4	25.4	25.4	L-φ 80x80	80	80
L-φ 28x28	28	28	L-φ 85x85	85	85
L-φ 28.6x28.6	28.6	28.6	L-φ 89x89	89	89
L-φ 32x32	32	32	L-φ 92x92	92	92
L-φ 35x35	35	35	L-φ 105x105	105	105
L-φ 38x38	38	38	L-φ 108x108	108	108

90° 承插大弯头 90° Elbow-Long



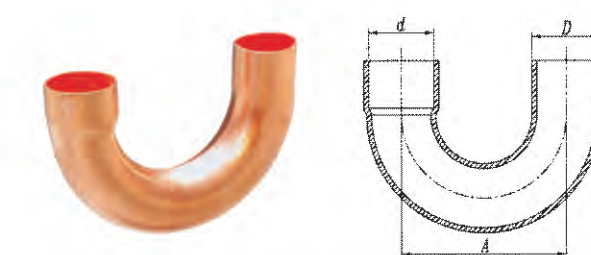
代号 No.	d	代号 No.	d
LD-9.52	9.52	LD-28	28
LD-10	10	LD-28.6	28.6
LD-12	12	LD-32	32
LD-12.7	12.7	LD-35	35
LD-15.8	15.8	LD-41.3	41.3
LD-16	16	LD-42	42
LD-19	19	LD-54	54
LD-22	22	LD-67	67
LD-22.3	22.3	LD-80	80
LD-25	25	LD-89	89
LD-25.4	25.4	LD-108	108

90° 承插大弯头 90° Elbow-Long



代号 No.	D	d	代号 No.	D	d
LD-φ 10x10	10	10	LD-φ 35x35	35	35
LD-φ 12x12	12	12	LD-φ 42x42	42	42
LD-φ 15x15	15	15	LD-φ 54x54	54	54
LD-φ 16x16	16	16	LD-φ 67x67	67	67
LD-φ 19x19	19	19	LD-φ 76x76	76	76
LD-φ 22x22	22	22	LD-φ 80x80	80	80
LD-φ 25x25	25	25	LD-φ 108x108	108	108
LD-φ 28x28	28	28			

180° 承插弯头 180° Elbow



代号 No.	D	d	A	代号 No.	D	d	A
U-φ 8x8	8	8	28	U-φ 22x22	22	22	66
U-φ 10x10	10	10	30	U-φ 28x28	28	28	84
U-φ 12x12	12	12	36	U-φ 35x35	35	35	105
U-φ 16x16	16	16	48	U-φ 44x44	44	44	132
U-φ 19x19	19	19	56	U-φ 55x55	55	55	165

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Coil ASTM B280

Outside diameter		Thickness		Nominal weight(kgs)	
Inch	mm	Inch	mm	15m	50'
3/16"	4.76	0.030	0.76	1.28	1.30
1/4"	6.35	0.030	0.76	1.78	1.81
5/16"	7.94	0.032	0.81	2.43	2.46
3/8"	9.52	0.032	0.81	2.97	3.01
1/2"	12.70	0.032	0.81	4.04	4.11
5/8"	15.87	0.035	0.89	5.60	5.69
3/4"	19.05	0.035	0.89	6.79	6.90
7/8"	22.23	0.045	1.14	9.99	10.15

Coil En 12735-1

Outside diameter	Thickness	Nominal weight(kgs)	
mm	mm	15m	30m
6	0.8	1.75	3.49
8	0.8	2.42	4.84
10	0.8	3.09	6.18
12	0.8	3.76	7.53
16	1.0	6.30	12.60
18	1.0	7.14	14.28
22	1.0	8.82	17.64

*Soft temper, ends capped, in shrinking wrapped bag, then into cardboard box

Straight Tubes ASTM B280

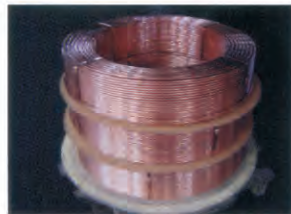
Outside Diameter		Wall thickness		Nominal weight (kgs)	
inch	mm	inch	mm	5.8metres	6metres
3/8"	9.52	0.030	0.76	1.08	1.12
1/2"	12.70	0.035	0.89	1.71	1.77
5/8"	15.88	0.040	1.02	2.46	2.55
3/4"	19.05	0.042	1.07	3.12	3.23
7/8"	22.23	0.045	1.14	3.90	4.04
1-1/8"	28.58	0.050	1.27	5.63	5.83
1-3/8"	34.93	0.055	1.40	7.62	7.89
1-5/8"	41.28	0.060	1.52	9.81	10.15
2-1/8"	53.98	0.070	1.78	15.09	15.61
2-5/8"	66.68	0.080	2.03	21.31	22.05
3-1/8"	79.38	0.090	2.29	28.67	29.66
3-5/8"	92.08	0.100	2.54	36.93	38.21
4-1/8"	104.78	0.110	2.79	46.21	47.8

*Straight lengths, hard temper, in polly bags or in wooden case (with additional charges)

Straight Tubes EN12735-1

Outside diameter	Wall thickness	Nominal weight (kgs)		
		4 metres	5 metres	6metres
10	1.0	1.01	1.26	1.51
12	1.0	1.23	1.54	1.85
16	1.0	1.68	2.1	2.52
18	1.0	1.90	2.38	2.86
22	1.0	2.35	2.94	3.53
28	1.5	4.45	5.57	6.68
35	1.5	5.63	7.04	8.44
42	1.5	6.80	8.51	10.21
54	2.0	11.65	14.56	17.47
64	2.0	13.89	17.36	20.83
76.1	2.0	16.60	20.75	24.90
88.9	2.0	19.47	24.33	29.20
108	2.5	29.54	36.93	44.31

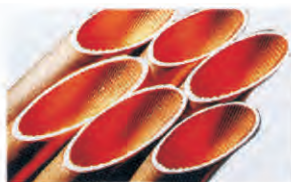
*Straight lengths, hard temper, in polly bags or in wooden case (with additional charges)



LWC Tube



Plumbing Tube



Level Wound Coil (LWC) Tube

O.D. (inch)	Thickness (inch)	O.D. (mm)	Thickness (mm)
3/16"	0.030	4.76	0.76
1/4"	0.030	6.35	0.76
5/16"	0.032	7.94	0.81
3/8"	0.032	9.52	0.81
1/2"	0.035	12.7	0.889
5/8"	0.040	15.88	1.016

*Note: Other sizes can be made as per customer's request according to mutual agreement

Water Plumbing Copper Tube

Thickness(inch)	0.013	0.023	0.031	0.039	0.047	0.059	0.078	0.12	0.16	0.22	0.27
O.D(inch)	0.023	0.031	0.039	0.047	0.059	0.078	0.12	0.16	0.22	0.27	0.37
1/4" ~ 1/2"	○	○	○	○	○						
1/2" ~ 3/4"	○	○	○	○	○	○					
3/4" ~ 1"	○	○	○	○	○	○	○				
1" ~ 1-3/8"		○	○	○	○	○	○	○			
1-1/2" ~ 1-19/20			○	○	○	○	○	○	○		
1-19/20" ~ 2-1/2"			○	○	○	○	○	○	○	○	
1-19/20 ~ 2-1/2"			○	○	○	○	○	○	○	○	
2-1/2" ~ 2-3/4"				○	○	○	○	○	○	○	○
2-3/4" ~ 3-3/8"				○	○	○	○	○	○	○	○
3-3/8" ~ 4"					○	○	○	○	○	○	○
4" ~ 5-3/8"						○	○	○	○	○	○
5-3/8" ~ 6-1/4"							○	○	○	○	○
6-1/4" ~ 8-5/8"								○	○		

*Available standard: Type M.Type L. Type K. Class X. Class Y

Inner Grooved Copper Tube

O.D.		Bottom Wall Thickness		Fin Groove Depth	
inch	mm	inch	mm	inch	mm
0.1575	4	0.008~0.012	0.20~0.30	0.004~0.006	0.10~0.15
0.1875	4.76	0.008~0.014	0.20~0.35	0.004~0.006	0.10~0.15
0.1970	5	0.008~0.014	0.20~0.35	0.004~0.006	0.10~0.15
0.2363	6	0.008~0.014	0.20~0.35	0.004~0.008	0.10~0.20
0.2500	6.35	0.008~0.014	0.20~0.35	0.004~0.008	0.10~0.20
0.2750	7	0.010~0.016	0.20~0.41	0.004~0.010	0.10~0.25
0.3125	7.94	0.010~0.016	0.20~0.41	0.004~0.010	0.10~0.25
0.3750	9.52	0.010~0.016	0.20~0.46	0.004~0.012	0.10~0.30



*Standard according to ASTM B360
*Average O.D. Tolerance: +0.03mm
*Average I.D. Tolerance: +0.02mm
*Condition: Soft, half hardness, hardness, etc.

Capillary Tube

O.D. inch(mm)	I.D. inch(mm)	Thickness inch(mm)
0.072(1.83)	0.026(0.660)	0.023(0.584)
0.072(1.83)	0.028(0.711)	0.022(0.558)
0.081(2.06)	0.031(0.787)	0.025(0.635)
0.081(2.06)	0.033(0.838)	0.024(0.609)
0.087(2.21)	0.036(0.914)	0.0255(0.648)
0.087(2.36)	0.039(0.991)	0.024(0.609)
0.093(2.36)	0.042(1.07)	0.0255(0.648)
0.097(2.46)	0.046(1.17)	0.025(0.635)
0.099(2.51)	0.049(1.24)	0.025(0.635)
0.106(2.69)	0.054(1.37)	0.026(0.660)
0.112(2.84)	0.059(1.50)	0.0265(0.673)
0.125(3.18)	0.064(1.63)	0.0305(0.775)
0.125(3.18)	0.070(1.78)	0.0275(0.699)
0.125(3.18)	0.075(1.91)	0.0250(0.635)
0.145(3.68)	0.080(2.03)	0.0325(0.826)
0.188(4.78)	0.130(3.30)	0.029(0.737)
0.200(5.08)	0.145(3.68)	0.0275(0.699)
0.220(5.59)	0.160(4.06)	0.030(0.762)
0.240(6.10)	0.175(4.45)	0.0325(0.826)

Single Insulated Copper Tube

Model No.	Size	Copper Tube Size(mm)		Insulation Size(mm)	
		OD	Wall Thickness	ID	Wall Thickness
SS-220	1/4"	6.35	0.8	8	8
SS-320	3/8"	9.52	0.8	12	8
SS-420	1/2"	12.7	1	15	8
SS-520	5/8"	15.88	1	18	8
SS-620	3/7"	19.05	1	22	8

Twin Insulated Copper Tube

Model No.	Size	Copper Tube Size(mm)		Insulation Size(mm)	
		OD	Wall Thickness	ID	Wall Thickness
TS-2320	1/4" -3/8"	6.35x9.52	0.8x0.8	8x12	8x8
TS-2420	1/7" -1/2"	6.35x12.7	0.8x1	8x15	8x8
TS-2520	1/4" -5/8"	6.35x15.88	0.8x1	8x18	8x8
TS-3420	3/8" -1/2"	9.52x12.7	0.8x1	12x15	8x8
TS-3520	3/8" -5/8"	9.52x15.88	0.8x1	12x18	8x8
TS-3620	3/8" -3/4"	9.52x19.05	0.8x1	12x22	8x8
TS-4620	1/8" -3/4"	12.70x19.05	1x1	15x22	8x8

Heating Resistance: 120°C for both heating and cooling. Copper tube is soft-annealed for easy work. We provide 3m, 4m, 5m, 7m, 10m, 15m and 20m for your selection

Option


HARRIS 0[®] BRAZING FILLER METAL
PHYSICAL PROPERTIES:

Solidus 310) 1

Liquidus 473-11476)

Brazing Temperature Range 1300-1500)

Color Bright Shiny Copper

Specific Gravity 8.76

Electrical Conductivity (IACS %) 9.91

Electrical Resistivity 19.20

Blockade

Blockade is a proprietary phosphorus-tin-silicon alloy engineered to provide a low cost alternative to silver bearing filler. Nominal chemical composition:

Silver-0%

Phosphorus-6%

Copper-94%


15C-FC

Flux Coated Low Fumng Bronze

AWS A5.8 ASME SFA 5.8 RBCuZn-C

Cu/Al brazing filler metals are used to join materials within the aluminum alloys and copper. These materials can be supplied in strip, wire, powder, paste and preforms. And these filler metals and flux are appropriate for torch brazing and furnace brazing.

Brazing Alloy	Type	Component		Brazing Temp (°C)	Size	Packing
		Alloy	Flux			
Flux-cored wire	XR-FC0215	Zn, Al, oth	KCsAlF4	420~480	Φ2.0 Φ1.6	500g/Roll 1Kg/Roll 2Kg/Roll 5Kg/Roll
	XR-FC22S	Zn, Al, oth	15%~20%			
Solid wire	XR-BW200	Zn, Al, oth	—	380~420	Φ3.0 Φ2.0 Φ1.6	500g/Roll 5Kg/Roll
Flux paste	FS312C	—	KCsAlF4	450~480	—	500g/Bottle 1Kg/Bottle



Cross section of Cu/Al brazing joints



Lap joint of copper bar and aluminum bar

