

涡旋压缩机

Scroll Compressor

家用及轻商用
R410A/R407C/R22



广州日立压缩机有限公司
Hitachi Compressor Products (GUANGZHOU) Co.,Ltd.

5、日立涡旋压缩机剖面图

Cutaway of HITACHI Scroll Compressor

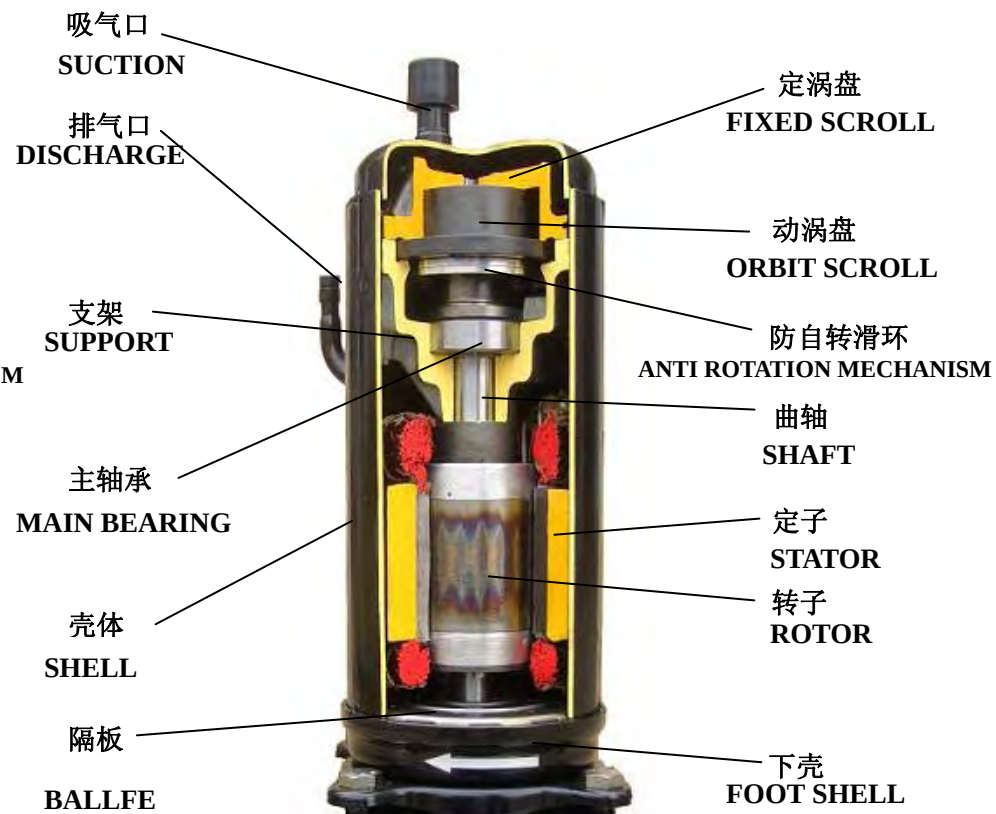
R410A 与 R22 高能效压缩机剖面图

(R410A and R22) High Efficiency Compressor



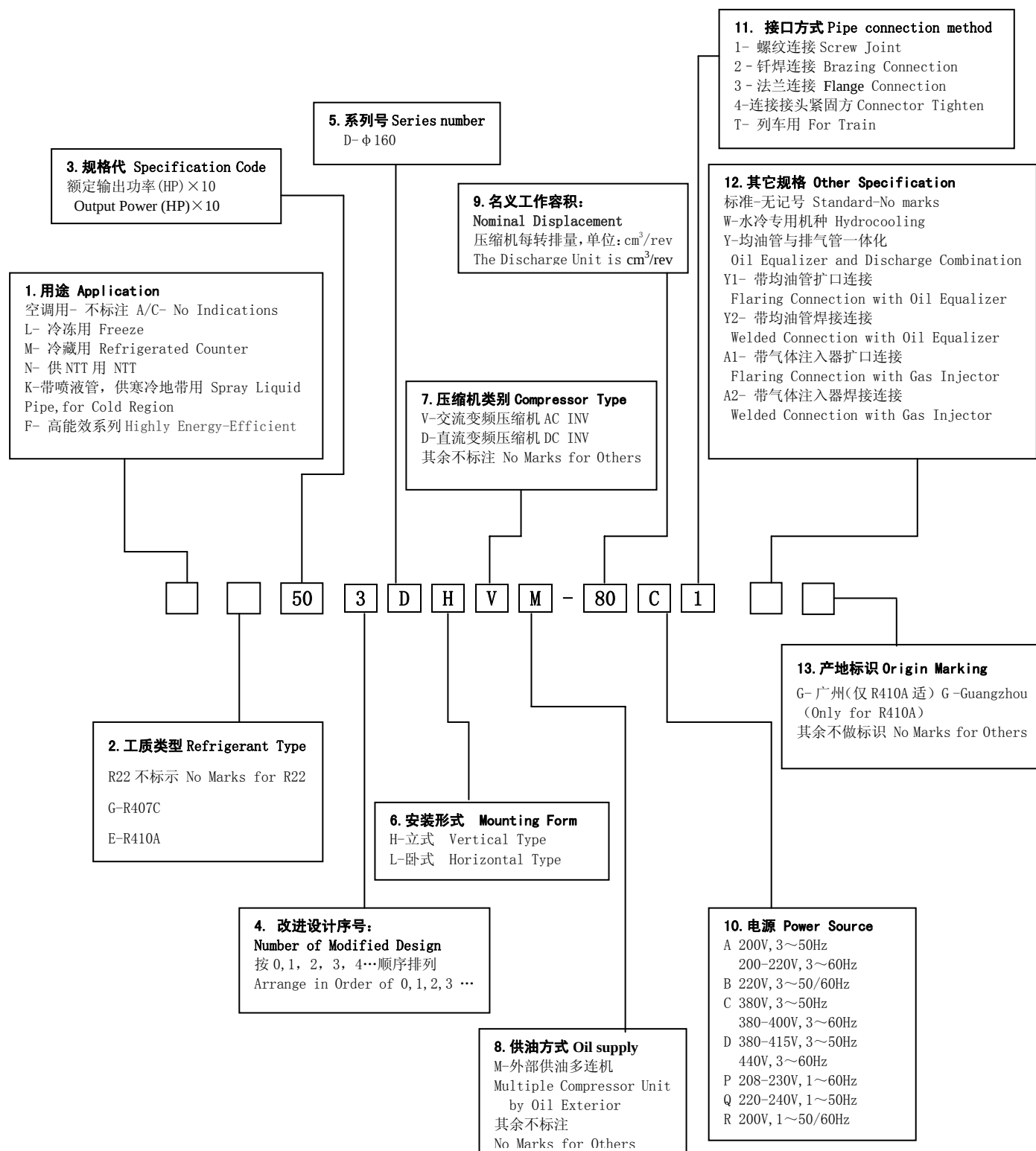
R22 常规与 R407C 压缩机剖面图

(R22 and R407C) General Compressor



6、压缩机型号说明

Model Code Identification



7、压缩机技术参数

Technical Parameter

7.1 R410A 定速压缩机技术规格

R410A Fixed Speed Compressor

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound Level	注油量 Oil Charge	重量(含油) Weight		备注 Remarks	
	cm³/rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W	dB (A)	单体	并联	单体		并联
50Hz 参数表 50Hz Parameters													
电源制式 Power Source: 3Ph-220V-50Hz								测试电源 Test Voltage: 220V 3~50Hz					
E405DH-38B2 (Y) G	38	33690	9870	3270	10.5	10.3	3.02	63	1.2	0.5	41	41	
E505DH-49B2 (Y) G	49	44030	12900	4270	13.4	10.3	3.02	63	1.3	0.5	42	41	UL
E605DH-59B2 (Y) G	59	52530	15390	5130	15.8	10.2	3.00	63	1.3	0.5	42	41	UL
电源制式 Power Source: 3Ph-380V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
E405DH-38C2 (Y) G	38	33690	9870	3270	5.9	10.3	3.02	63	1.0	0.5	41	41	
E505DH-49C2 (Y) G	49	44030	12900	4270	7.7	10.3	3.02	63	1.3	0.5	42	41	3C
E605DH-59C2 (Y) G	59	52530	15390	5130	9.3	10.2	3.00	63	1.3	0.5	42	41	
E655DH-65C2 (Y) G	65	58360	17100	5740	10.2	10.2	3.00	63	1.3	0.5	44	43	
E855DH-80C2 (Y) G	80	71330	20900	7150	12.6	10.0	2.92	63	1.9	1.1	45	45	
E1005DH-100C2 (Y) G	100	89800	26100	8950									开发中
电源制式 Power Source: 3Ph-380~415V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
E405DH-38D2 (Y) G	38	33690	9870	3270	5.8	10.3	3.02	63	1.2	0.5	41	41	3C
E505DH-49D2 (Y) G	49	44030	12900	4270	7.3	10.3	3.02	63	1.3	0.5	42	41	3C
E605DH-59D2 (Y) G	59	52530	15390	5130	8.8	10.2	3.00	63	1.3	0.5	42	41	CQC
E655DH-65D2 (Y) G	65	58360	17100	5740	9.4	10.2	3.00	63	1.3	0.5	44	43	CQC
E855DH-80D2 (Y) G	80	71330	20900	7080	12.0	10.0	2.95	68	1.9	1.1	45	45	
E1005DH-100D2 (Y) G	100	89800	26100	8950									开发中
60Hz 参数表 60Hz Parameters													
电源制式 Power Source: 3Ph-220V-60Hz								测试电源 Test Voltage: 220V 3~60Hz					
E405DH-38B2 (Y) G	38	40550	11880	3930	11.5	10.3	3.02	63	1.2	0.5	41	41	
E505DH-49B2 (Y) G	49	52970	15520	5130	14.7	10.3	3.02	63	1.3	0.5	42	41	
E605DH-59B2 (Y) G	59	63310	18550	6180	17.5	10.2	3.00	63	1.3	0.5	42	41	
电源制式 Power Source: 3Ph-380~400V-60Hz								测试电源 Test Voltage: 400V 3~60Hz					
E405DH-38C2 (Y) G	38	40550	11880	3930	6.3	10.3	3.02	63	1.2	0.5	41	41	
E505DH-49C2 (Y) G	49	52970	15520	5130	8.2	10.3	3.02	63	1.3	0.5	42	41	
E605DH-59C2 (Y) G	59	63310	18550	6180	9.9	10.2	3.00	63	1.3	0.5	42	41	
E655DH-65C2 (Y) G	65	70030	20520	6850	10.9	10.2	3.00	63	1.3	0.5	44	43	
E855DH-80C2 (Y) G	80	86000	25200	8530	13.7	10.0	2.95	68	1.9	1.1	45	45	
E1005DH-100C2 (Y) G	100		31350	10700									开发中
电源制式 Power Source: 3Ph-440V-60Hz								测试电源 Test Voltage: 440V 3~60Hz					
E405DH-38D2 (Y) G	38	40550	11880	3930	6.0	10.3	3.02	63	1.2	0.5	41	41	3C
E505DH-49D2 (Y) G	49	52970	15520	5130	7.5	10.3	3.02	63	1.3	0.5	42	41	3C
E605DH-59D2 (Y) G	59	63310	18550	6180	9.0	10.2	3.00	63	1.3	0.5	42	41	CQC
E655DH-65D2 (Y) G	65	70030	20520	6850	9.9	10.2	3.00	63	1.3	0.5	44	43	CQC
E855DH-80D2 (Y) G	80	86000	25200	8580	12.5	10.0	2.95	68	1.9	1.1	45	45	
E1005DH-100D2 (Y) G	100		31350	10700									开发中

7.2 R22 高能效定速压缩机技术规格

R22 High-efficiency Fixed Speed Compressor

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound	注油量 Oil Charge	重量 (含油) Weight	备注 Remarks
	cm ³ /rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W	dB (A)	Liter	kg	
50Hz 参数表 50Hz Parameters											
电源制式 Power Source: 1Ph-220V-50Hz						测试电源 Test Voltage: 220V 1~50Hz					
F254DH-38Q2	38	24900	7300	2200	9.9	11.9	3.40	63	1.2	34	
电源制式 Power Source: 3Ph-380V-50Hz						测试电源 Test Voltage: 380V 3~50Hz					
F404DH-64C2	64	40620	11900	3400	6.6	11.9	3.50	63	1.2	36	
F454DH-68C2	68	43500	12850	3670	7.2	11.9	3.50	63	1.3	37	3C
F454DH-72C2	72	46420	13600	3880	7.5	11.9	3.50	63	1.3	37	3C
F454DH-75C2	75	48800	14300	4090	7.8	11.9	3.50	63	1.3	37	
F504DH-78C2	78	50510	14800	4230	8.1	11.9	3.50	63	1.3	37	
F504DH-80C2	80	52050	15250	4350	8.5	11.9	3.50	63	1.3	37	
F504DH-83C2	83	54000	15800	4500	8.8	11.9	3.50	63	1.3	37	
F604DH-90C2	90	57680	16900	4970	9.5	11.6	3.40	63	1.3	38	
F604DH-95C2	95	60750	17800	5240	10.0	11.6	3.40	63	1.3	38	
电源制式 Power Source: 3Ph-380~415V-50Hz						测试电源 Test Voltage: 380V 3~50Hz					
F404DH-64D2	64	40620	11900	3400	6.1	11.9	3.50	63	1.2	36	
F454DH-68D2	68	43500	12850	3670	6.8	11.9	3.50	63	1.3	37	
F454DH-72D2	72	46420	13600	3880	7.0	11.9	3.50	63	1.3	37	
F454DH-75D2	75	48800	14300	4090	7.2	11.9	3.50	63	1.3	37	
F504DH-78D2	78	50510	14800	4230	7.4	11.9	3.50	63	1.3	37	
F504DH-80D2	80	52050	15250	4350	7.6	11.9	3.50	63	1.3	37	
F504DH-83D2	83	54000	15800	4500	7.9	11.9	3.50	63	1.3	37	
F604DH-90D2	90	57680	16900	4970	8.5	11.6	3.40	63	1.3	38	
F604DH-95D2	95	60750	17800	5240	9.0	11.6	3.40	63	1.3	38	
60Hz 参数表 60Hz Parameters											
电源制式 Power Source: 3Ph-380~400V-60Hz						测试电源 Test Voltage: 400V 3~60Hz					
F404DH-64C2	64	48740	14280	4080	6.9	11.9	3.50	63	1.2	36	
F454DH-68C2	38	52100	15420	4410	7.5	11.9	3.50	63	1.3	37	
F454DH-72C2	72	55700	16320	4670	7.8	11.9	3.50	63	1.3	37	
F454DH-75C2	75	58570	17160	4900	8.1	11.9	3.50	63	1.3	37	
F504DH-78C2	78	60620	17760	5075	8.5	11.9	3.50	63	1.3	37	
F504DH-80C2	80	62460	18300	5220	8.8	11.9	3.50	63	1.3	37	
F504DH-83C2	83	64850	19000	5410	9.1	11.9	3.50	63	1.3	37	
F604DH-90C2	90	68940	20200	5770	9.7	11.6	3.40	63	1.3	38	
F604DH-95C2	95	72900	21360	6100	10.3	11.6	3.40	63	1.3	38	
电源制式 Power Source: 3Ph-440V-60Hz						测试电源 Test Voltage: 440V 3~60Hz					
F404DH-64D2	64	48740	14280	4080	6.4	11.9	3.50	63	1.2	36	
F454DH-68D2	68	52100	15420	4410	7.0	11.9	3.50	63	1.3	37	
F454DH-72D2	72	55700	16320	4670	7.4	11.9	3.50	63	1.3	37	
F454DH-75D2	75	58570	17160	4900	7.7	11.9	3.50	63	1.3	37	
F504DH-78D2	78	60620	17760	5075	7.8	11.9	3.50	63	1.3	37	
F504DH-80D2	80	62460	18300	5220	7.9	11.9	3.50	63	1.3	37	
F504DH-83D2	83	64850	19000	5410	8.2	11.9	3.50	63	1.3	37	
F604DH-90D2	90	68940	20200	5770	8.6	11.6	3.40	63	1.3	38	
F604DH-95D2	95	72900	21360	6100	9.0	11.6	3.40	63	1.3	38	

7.3 R22 常规定速压缩机技术规格

R22 General Fixed Speed Compressor

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound Level	注油量 Oil Charge		重量（含油） Weight		备 注 Remarks
	cm³/rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W	dB (A)	单体	并联	单体	并联	
50Hz 参数表 50Hz Parameters													
电源制式 Power Source: 1Ph-220V-50Hz								测试电源 Test Voltage: 220V 1~50Hz					
303DH-47Q2	47	29500	8650	2780	13.3	10.7	3.14	60	1.2		36		3C
303DH-50Q2	50	32050	9400	2980	13.8	10.7	3.14	60	1.2		37		
354DH-56Q2	56	34780	10200	3400	15.7	10.2	3.00	60	1.2		37		3C
404DH-64Q2	64	40240	11800	3950	19.5	10.2	3.00	60	1.2		37		
电源制式 Power Source: 3Ph-380V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
303DH-47C2 (Y)	47	29500	8650	2700	5.0	10.9	3.20	60	1.2	1.8	34	34	3C
303DH-50C2 (Y)	50	32220	9450	2900	5.4	10.9	3.20	60	1.2	1.8	34	34	3C
353DH-56C2 (Y)	56	35460	10400	3200	6.2	11.1	3.25	60	1.2	1.8	34	34	3C
403DH-64C2 (Y)	64	40240	11800	3600	6.8	11.1	3.25	60	1.2	1.8	34	34	3C
453DH-72C2 (Y)	72	46040	13500	4000	7.6	11.6	3.40	60	1.4	1.8	35	35	3C
503DH-80C2 (Y)	80	50800	14900	4400	8.1	11.6	3.40	60	1.4	1.8	35	35	3C
503DH-83C2 (Y)	83	52510	15400	4550	8.6	11.6	3.40	60	1.4	1.8	35	35	3C
603DH-90C2 (Y)	90	57290	16800	5100	9.5	11.3	3.30	60	1.4	1.8	36	36	3C
603DH-95C2 (Y)	95	60020	17600	5300	10.0	11.3	3.30	60	1.4	1.8	36	36	3C
电源制式 Power Source: 3Ph-380~415V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
303DH-47D2 (Y)	47	29500	8650	2700	4.8	10.9	3.20	60	1.2	1.8	36	36	3C
303DH-50D2 (Y)	50	32220	9450	2900	5.3	10.9	3.20	60	1.2	1.8	36	36	
353DH-56D2 (Y)	56	35460	10400	3200	5.7	11.1	3.25	60	1.2	1.8	36	36	3C
403DH-64D2 (Y)	64	40240	11800	3600	6.3	11.1	3.40	60	1.2	1.8	36	36	3C
453DH-72D2 (Y)	72	46040	13500	4000	7.0	11.6	3.40	60	1.4	1.8	36	36	
503DH-80D2 (Y)	80	50800	14900	4400	7.5	11.6	3.40	60	1.4	1.8	36	36	3C
503DH-83D2 (Y)	83	52510	15400	4550	8.0	11.6	3.40	60	1.4	1.8	36	36	3C
603DH-90D2 (Y)	90	57290	16800	5100	8.6	11.3	3.30	60	1.4	1.8	37	37	3C
603DH-95D2 (Y)	95	60020	17600	5300	9.1	11.3	3.30	60	1.4	1.8	37	37	
电源制式 Power Source: 3Ph-220V-50Hz								测试电源 Test Voltage: 220V 3~50Hz					
303DH-47B2 (Y)	47	29500	8650	2700	8.2	10.9	3.20	60	1.2	1.8	35	35	
403DH-64B2 (Y)	64	40240	11800	3600	11.2	11.1	3.25	60	1.2	1.8	35	35	
503DH-80B2 (Y)	80	50800	14900	4400	13.4	11.6	3.40	60	1.4	1.8	37	37	3C

R22 常规定速压缩机技术规格

R22 General Fixed Speed Compressor

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound Level	注油量 Oil Mass		重量（含油） Weight		备注 Remarks
	cm ³ /rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W	dB (A)	单体	并联	单体	并联	
60Hz 参数表 60Hz Parameter list													
电源制式 Power Source: 1Ph-208~230V-60Hz													

7.4 R407C 常规定速压缩机技术规格

R407C General Fixed Speed Compressor

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound Level	注油量 Oil Charge		重量 (含油) Weight		备注 Remarks
	cm³/rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W	dB (A)	单体	并联	单体	并联	
50Hz 参数表 50Hz Parameters list													
电源制式 Power Source: 1Ph-220V-50Hz								测试电源 Test Voltage: 220V 1~50Hz					
G303DH-47Q2	47	30620	8980	2860	12.9	10.7	3.14	60	1.2		36		3C
G303DH-50Q2	50	33010	9680	3070	13.4	10.7	3.14	60	1.2		37		
G354DH-56Q2	56	35800	10500	3500	16.2	10.2	3.00	60	1.2		37		3C
G404DH-64Q2	64	41430	12150	4070	18.0	10.2	3.00	60	1.2		37		
电源制式 Power Source: 3Ph-380V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
G303DH-47C2 (Y)	47	30380	8910	2780	5.3	10.9	3.20	60	1.2	1.8	34	34	
G303DH-50C2 (Y)	50	33180	9730	2990	6.0	10.9	3.20	60	1.2	1.8	34	34	
G353DH-56C2 (Y)	56	36520	10710	3300	6.4	11.1	3.25	60	1.2	1.8	34	34	
G403DH-64C2 (Y)	64	41430	12150	3710	7.0	11.1	3.25	60	1.2	1.8	34	34	
G453DH-72C2 (Y)	72	47430	13910	4120	7.4	11.6	3.40	60	1.4	1.8	35	35	
G503DH-80C2 (Y)	80	52340	15350	4530	8.3	11.6	3.40	60	1.4	1.8	35	35	3C
G503DH-83C2 (Y)	83	54080	15860	4690	8.9	11.6	3.40	60	1.4	1.8	35	35	
G603DH-90C2 (Y)	90	58990	17300	5240	9.8	11.3	3.30	60	1.4	1.8	36	36	
G603DH-95C2 (Y)	95	61720	18100	5460	10.3	11.3	3.30	60	1.4	1.8	36	36	3C
电源制式 Power Source: 3Ph-380~415V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
G303DH-47D2 (Y)	47	30380	8910	2780	5.0	10.9	3.20	60	1.2	1.8	36	36	3C
G303DH-50D2 (Y)	50	33180	9730	2990	5.5	10.9	3.20	60	1.2	1.8	36	36	
G353DH-56D2 (Y)	56	36520	10710	3300	5.8	11.1	3.25	60	1.2	1.8	36	36	
G403DH-64D2 (Y)	64	41120	12060	3710	6.5	11.1	3.25	60	1.2	1.8	36	36	3C
G453DH-72D2 (Y)	72	47430	13910	4120	7.2	11.6	3.40	60	1.4	1.8	36	36	
G503DH-80D2 (Y)	80	52510	15400	4530	7.8	11.6	3.40	60	1.4	1.8	36	36	3C
G503DH-83D2 (Y)	83	54980	16110	4740	8.2	11.6	3.40	60	1.4	1.8	36	36	
G603DH-90D2 (Y)	90	58990	17300	5240	8.9	11.3	3.30	60	1.4	1.8	37	37	3C
G603DH-95D2 (Y)	95	61720	18100	5460	9.4	11.3	3.30	60	1.4	1.8	37	37	
电源制式 Power Source: 3Ph-220V-50Hz								测试电源 Test Voltage: 220V 3~50Hz					
G303DH-47B2 (Y)	47	30380	8910	2780	8.4	10.9	3.20	60	1.2	1.8	35	35	
G403DH-64B2 (Y)	64	41120	12060	3710	11.4	11.1	3.25	60	1.2	1.8	35	35	
G503DH-80B2 (Y)	80	52510	15400	4530	13.6	11.6	3.40	60	1.4	1.8	37	37	

R407C 常规定速压缩机技术规格

R407C General Fixed Speed Compressor

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound Level dB (A)	注油量 Oil Charge		重量 (含油) Weight		备注 Remarks
	cm³/rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W		单体	并联	单体	并联	
		Liter		kg									
60Hz 参数表 60Hz Parameters													
电源制式 Power Source: 1Ph-208~230V-60Hz								测试电源 Test Voltage: 220V 1~60Hz					
G303DH-47P2	47	37580	11020	3550	16.2	10.6	3.10	60	1.2		37		
电源制式: 3Ph-380~400V-60Hz								测试电源 Test Voltage: 400V 3~60Hz					
G303DH-47C2 (Y)	47	36180	10610	3300	5.6	10.9	3.20	60	1.2	1.8	34	34	
G303DH-50C2 (Y)	50	39520	11590	3580	6.2	10.9	3.20	60	1.2	1.8	34	34	
G353DH-56C2 (Y)	56	43920	12880	3970	6.6	11.1	3.25	60	1.2	1.8	34	34	
G403DH-64C2 (Y)	64	49320	14470	4450	7.2	11.1	3.25	60	1.2	1.8	34	34	
G453DH-72C2 (Y)	72	56910	16690	4940	7.6	11.6	3.40	60	1.4	1.8	35	35	
G503DH-80C2 (Y)	80	62870	18410	5420	9.1	11.6	3.40	60	1.4	1.8	35	35	3C
G503DH-83C2 (Y)	83	64620	18950	5610	9.5	11.6	3.40	60	1.4	1.8	35	35	
G603DH-90C2 (Y)	90	70930	20800	6300	10.3	11.3	3.30	60	1.4	1.8	36	36	
G603DH-95C2 (Y)	95	74340	21800	6550	10.9	11.3	3.30	60	1.4	1.8	36	36	3C
电源制式 Power Source: 3Ph-440V-60Hz								测试电源 Test Voltage: 440V 3~60Hz					
G303DH-47D2 (Y)	47	36180	10610	3300	5.3	10.9	3.20	60	1.2	1.8	36	36	3C
G303DH-50D2 (Y)	50	39520	11590	3580	5.6	10.9	3.20	60	1.2	1.8	36	36	
G353DH-56D2 (Y)	56	43920	12880	3970	6.1	11.1	3.25	60	1.2	1.8	36	36	
G403DH-64D2 (Y)	64	49320	14470	4450	7.0	11.1	3.25	60	1.2	1.8	36	36	3C
G453DH-72D2 (Y)	72	56910	16690	4940	7.8	11.6	3.40	60	1.4	1.8	36	36	
G503DH-80D2 (Y)	80	63090	18500	5450	8.4	11.6	3.40	60	1.4	1.8	36	36	3C
G503DH-83D2 (Y)	83	66930	19570	5770	8.5	11.6	3.40	60	1.4	1.8	36	36	
G603DH-90D2 (Y)	90	70930	20800	6300	9.3	11.3	3.30	60	1.4	1.8	37	37	3C
G603DH-95D2 (Y)	95	74340	21800	6550	9.8	11.3	3.30	60	1.4	1.8	37	37	
电源制式 Power Source: 3Ph-220V-60Hz								测试电源 Test Voltage: 220V 3~60Hz					
G303DH-47B2 (Y)	47	36180	10610	3300	9.7	10.9	3.20	60	1.2	1.8	35	35	
G403DH-64B2 (Y)	64	49320	14470	4450	13.1	11.1	3.25	60	1.2	1.8	35	35	
G503DH-80B2 (Y)	80	63090	18500	5450	16.1	11.6	3.40	60	1.4	1.8	37	37	

7.5 低温热泵压缩机技术规格

Low-Temperature Heat Pump Compressor

R22 低温热泵压缩机

R22 Compressor for Low-Temperature Heat Pump

压缩机型号 Model	排量 Displacement cm ³ /rev	制冷量 Capacity BTU/H WATTS		功率 Power WATTS	电流 Current RLA	EER/COP BTU/W.H W/W		噪音 Sound Level dB (A)	注油量 Oil Charge Liter	重量 (含油) Weight kg	备注 Remarks
50Hz 参数表 50Hz Parameters											
电源制式 Power Source: 1Ph-220V-50Hz						测试电源 Test Voltage: 220V 1~50Hz					
K303DH-47Q2	47	29500	8650	2780	13.3	10.7	3.14	60	1.2	36	3C
K404DH-64Q2	64	40240	11800	3950	19.5	10.2	3.00	60	1.4	37	3C
电源制式 Power Source: 3Ph-380V-50Hz						测试电源 Test Voltage: 380V 3~50Hz					
K303DH-47C2	47	29500	8650	2700	5.0	10.9	3.20	60	1.2	34	
K403DH-64C2	64	40240	11800	3600	6.8	11.1	3.25	60	1.2	34	
K503DH-80C2	80	50800	14900	4400	8.1	11.6	3.40	60	1.4	35	
K603DH-90C2	90	57290	16800	5000	9.5	11.3	3.30	60	1.4	36	
电源制式 Power Source: 3Ph-380~415V-50Hz						测试电源 Test Voltage: 380V 3~50Hz					
K303DH-47D2	47	29500	8650	2700	5.0	10.9	3.20	60	1.2	36	
K403DH-64D2	64	40240	11800	3600	6.3	11.1	3.25	60	1.2	36	
K503DH-80D2	80	50860	14900	4400	8.0	11.6	3.40	60	1.4	37	3C
K603DH-90D2	90	57340	16800	5000	8.6	11.3	3.30	60	1.4	37	
60Hz 参数表 60Hz Parameters											
电源制式 Power Source: 3Ph-380~400V-60Hz						测试电源 Test Voltage: 400V 3~60Hz					
K303DH-47C2	47	35120	10300	3200	5.4	10.9	3.20	60	1.2	34	
K403DH-64C2	64	48420	14200	4350	7.0	11.1	3.25	60	1.2	34	
K503DH-80C2	80	61040	17900	5300	8.7	11.6	3.40	60	1.4	35	
K603DH-90C2	90	68880	20200	6000	10.0	11.3	3.30	60	1.4	36	
电源制式 Power Source: 3Ph-440V-60Hz						测试电源 Test Voltage: 440V 3~60Hz					
K303DH-47D2	47	35120	10300	3200	5.4	10.9	3.20	60	1.2	36	
K403DH-64D2	64	48420	14200	4350	6.8	11.1	3.25	60	1.2	36	
K503DH-80D2	80	50800	17900	5300	7.5	11.6	3.40	60	1.4	37	3C
K603DH-90D2	90	57290	20200	6000	8.6	11.3	3.30	60	1.4	37	

R410A 低温热泵压缩机

R410A Compressor for Low-Temperature Heat Pump

压缩机型号 Model	排量 Displacement	制冷量 Capacity		功率 Power	电流 Current	EER/COP		噪音 Sound Level	注油量 Oil Charge		重量 (含油) Weight		备注 Remarks
	cm ³ /rev	BTU/H	WATTS	WATTS	RLA	BTU/W. H	W/W	dB (A)	单体	并联	单体	并联	
									Liter		kg		
50Hz 参数表 50Hz Parameters													
电源制式 Power Source: 3Ph-380~415V-50Hz								测试电源 Test Voltage: 380V 3~50Hz					
KE405DH-38D2 (Y) G	38	33690	9870	3270	5.8	10.3	3.02	63	1.2	0.5	41	41	3C
KE505DH-49D2 (Y) G	49	44030	12900	4270	7.3	10.3	3.02	63	1.3	0.5	42	41	3C
KE605DH-59D2 (Y) G	59	52530	15390	5130	8.8	10.2	3.00	63	1.3	0.5	42	41	CQC
60Hz 参数表 60Hz Parameters													
电源制式 Power Source: 3Ph-440V-60Hz								测试电源 Test Voltage: 440V 3~60Hz					
KE405DH-38D2 (Y) G	38	40550	11880	3930	6.0	10.3	3.02	63	1.2	0.5	41	41	3C
KE505DH-49D2 (Y) G	49	52970	15520	5130	7.5	10.3	3.02	63	1.3	0.5	42	41	3C
KE605DH-59D2 (Y) G	59	63310	18550	6180	9.0	10.2	3.00	63	1.3	0.5	42	41	CQC
直流变频低温热泵压缩机 DC INV Compressor for Low-temperature heat pump													
电源制式 Power Source: 3Ph-380~415V								测试频率 Test Frequency: 120Hz (60rps)					
KE405DHD-38D2 (Y) G	38	42320	12400	3880	9.4	10.9	3.20	67	1.2	0.5	36	35	3C

备注: KE405DHD-38D2 (Y) G 测试频率为 120Hz。

(Remark: KE405DHD-38D2 (Y) G Test frequency 120Hz.)

7.6、变频压缩机技术规格

INV Compressor

R410A 直流变频压缩机技术规格

R410A DC INV Compressor

压缩机型号 Model	排量 Displacement cm ³ /rev	制冷量 Capacity		频率 范围 Frequency Range Hz	功率 Power WATTS	电流 Current RLA	EER/COP		噪音 Sound Level dB (A)	注油量 Oil Charge		重量 (含油) Weight		备注 Remarks
		BTU/H	WATTS				BTU/W. H	W/W		单 体 Liter	并 联 kg	单 体 kg	并 联	
E405DHD-36A2 (Y) G	36	40270	11800	60~180	3665	19.8	10.9	3.20	67	1.2	0.5	36	35	UL
E405DHD-38A2 (Y) G	38	42320	12400	60~180	3880	19.8	10.9	3.20	67	1.2	0.5	36	35	UL
E405DHD-36D2 (Y) G	36	40270	11800	60~180	3665	9.4	10.9	3.20	67	1.2	0.5	36	35	3C
E405DHD-38D2 (Y) G	38	42320	12400	60~180	3880	9.4	10.9	3.20	67	1.2	0.5	36	35	3C
E655DHD-65D2 (Y) G	65	73380	21500	40~200	6400	14.1	11.5	3.36	67	1.9	0.5	43	42	

备注：测试频率为 120Hz。(Remark: Test frequency 120Hz.)

R22 交流变频压缩机技术规格

R22 AC INV Compressor

压缩机型号 Model	排量 Displacement cm ³ /rev	制冷量 Capacity		频率 范围 Frequency Range Hz	功率 Power WATTS	电流 Current RLA	EER/COP		噪音 Sound Level dB (A)	注油量 Oil Charge		重量 (含油) Weight		备注 Remarks
		BTU/H	WATTS				BTU/W. H	W/W		单 体 Liter	并 联 kg	单 体 kg	并 联	
303DHSV-47B2 (Y)	47	36490	10700	30~90	3370	18.5	10.9	3.20	60	1.5	1.8	36	36	3C
303DHSV-47D2 (Y)	47	36490	10700	30~90	3350	8.6	10.9	3.20	60	1.5	1.8	36	36	3C
403DHSV-64D2 (Y)	64	48420	14200	30~90	4300	11.5	11.2	3.30	60	1.8	1.8	36	36	3C
401DHSV-64D2 (Y)	64	61380	18000	20~115	5600	10.5	10.9	3.20	66	1.8	1.8	36	36	3C
503DHSV-80D2 (Y)	80	61040	17900	30~90	5300	15.0	11.6	3.40	60	1.8	1.8	37	37	3C

备注：401DHSV-64D2 (Y) 的测试频率为 75Hz，其他型号测试频率为 60Hz。

(Remark: 401DHSV-64D2 (Y) test frequency 75Hz, others 60Hz.)

R407C 交流变频压缩机技术规格

R407C AC INV Compressor

压缩机型号 Model	排量 Displacement cm ³ /rev	制冷量 Capacity		频率 范围 Frequency range Hz	功率 Power WATTS	电流 Current RLA	EER/COP		噪音 Sound Level dB (A)	注油量 Oil Charge		重量 (含油) Weight		备注 Remarks
		BTU/H	WATTS				BTU/W. H	W/W		单 体 Liter	并 联 kg	单 体 kg	并 联	
G303DHSV-47B2 (Y)	47	37510	11000	30~90	3470	19.1	10.9	3.20	60	1.5	1.8	36	36	
G303DHSV-47D2 (Y)	47	37510	11000	30~90	3450	8.9	10.9	3.20	60	1.5	1.8	36	36	
G403DHSV-64D2 (Y)	64	49790	14600	30~90	4430	11.8	11.2	3.30	60	1.8	1.8	36	36	
G401DHSV-64D2 (Y)	64	63220	18540	20~115	5770	10.8	10.9	3.20	66	1.8	1.8	36	36	
G503DHSV-80D2 (Y)	80	62740	18400	30~90	5460	15.5	11.6	3.40	60	1.8	1.8	37	37	

备注：G401DHSV-64D2 (Y) 的测试频率为 75Hz，其他型号测试频率为 60Hz。

(Remark: G401DHSV-64D2 (Y) test frequency 75Hz, others 60Hz.)

8、压缩机测试条件

Test Condition

冷 媒 Refrigerant	蒸发温度 (℃) Evaporating Temp.	吸气温度 (℃) Suction Temp.	冷凝温度 (℃) Condensing Temp.	过冷度 (℃) Subcooled Temp.	环境温度 (℃) Ambient Temp.	备 注 Remarks
R410A	7.2	18.3	54.4	8.3	35	采用的露点温度
R407C	7.2	18.3	54.4	8.3	35	采用的露点温度
R22	7.2	18.3	54.4	8.3	35	

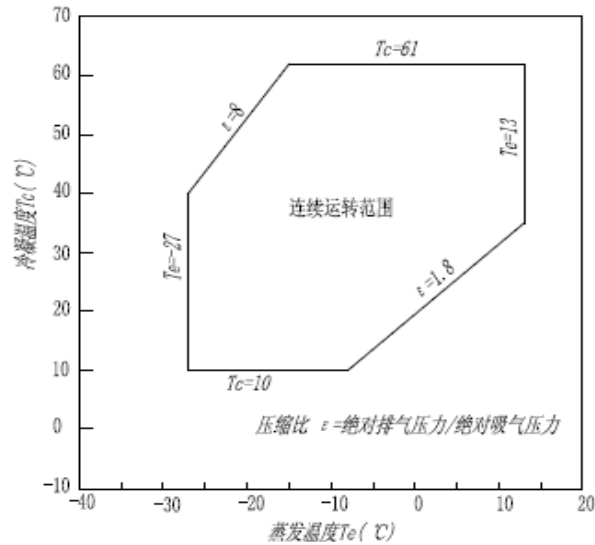
备注栏中，3C，CQC，UL 为该机型已通过认证。

Remark form: 3C, CQC and UL are Obtained Certifications

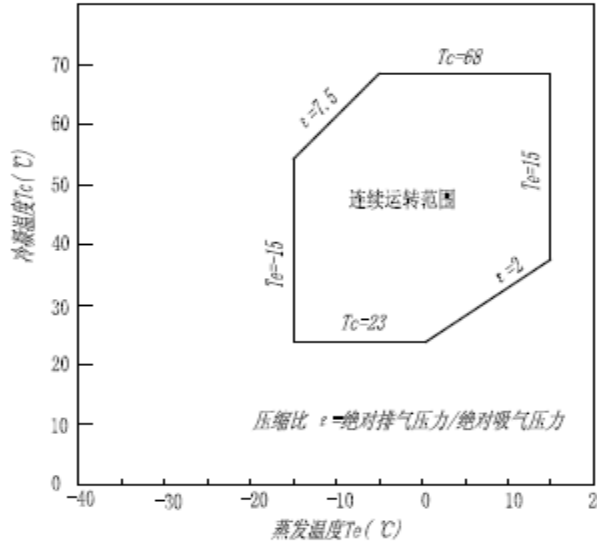
9、压缩机运行界限与使用范围

Operation Boundaries and Application Range

运行界限 Operation Boundaries



R410A 冷媒压缩机
R410A Compressor



R22 冷媒压缩机
R22 Compressor

使用范围 *Application Range*

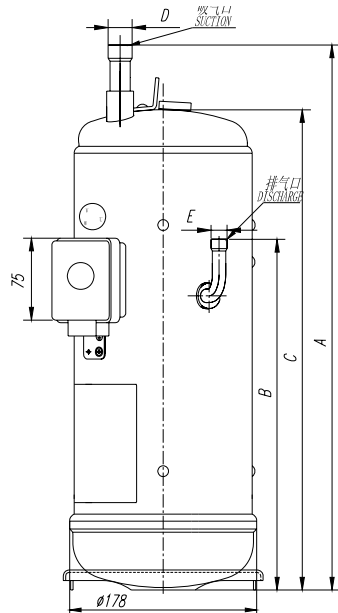
类 型 Type		R410A 定速机 R410A Fixed	R22 定速 R22 Fixed	R410A 直流变频机 R410A DC INV	R22 交流变频机 R22 AC INV
压力范围 Pressure Range		参照运行界限图，但是启动、除霜运行等短时间运行除外 Consult the operation boundaries, except the short period such as start, defrost		←	
下壳温度 Foot shell Temp.		(TC +15) ~120℃		←	
壳顶温度 Top Shell Temp.		(TC +10) ~120℃		←	
排气温度 Discharge Temp.		(TC +15) ~120℃		←	
绕组温度 Winding Temp.		≤120℃		←	
电 源 Power Source		电源三相输出线 U、V、W 相与压缩机要对应联接，否则会反转造成故障 Power source (U, V, W) must be correspond with compressor wiring terminal, or reverse rotate and breakdown		←	
运行电压 Running Voltage		额定电压±10%，三相间电压的不平衡率在3%以内 Rated voltage ±10% and deviation each shall be within 3%		←	
启动 Start Up	平衡压力 Pressure Balance	≤2.08MPa	≤1.30MPa	≤2.08MPa	≤1.30MPa
	压 力 差 Pressure Difference	三相 3 phases: (Pd-Ps) ≤0.3MPa 单相 1 phase: (Pd-Ps) ≤0.05MPa		Pd=Ps	
	电 压 Voltage	额定电压 85%以上 Minimum 85% of the rated voltage		适合压缩机的变频电源 Matching INV power source	
	开停频度 On/Off Period	<6 次/小时, ON/OFF>3MIN <6 times/hour, ON/OFF>3MIN		←	
油量 Oil Quantity		不少于 400ml 400ml Min		←	
其 它 Others		1、安装吸入滤网（100 目）。 1. Mounting filter at the suction. 2、在压机顶部设排气温控器。 2. The temperature sensor must be located on top of the compressor. 3、系统要避免液态冷媒回流 3. Avoid the liquid refrigerant flooding back 4、压缩机配管时，要特别注意避免焊药进入压缩机内部。 4. Avoiding solder falls into the compressor 5、真空时压缩机不能通电。 5. Do not energize under vacuumed condition.		←	

12、压缩机外形尺寸

Outline Dimensional Drawing

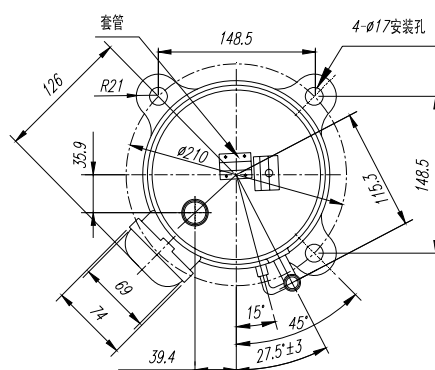
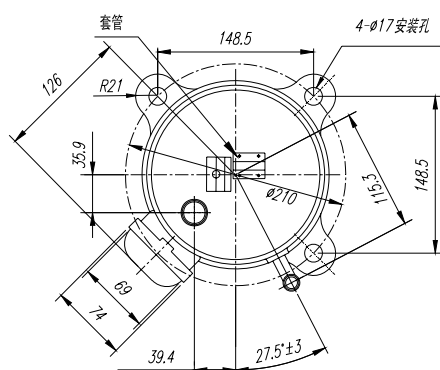
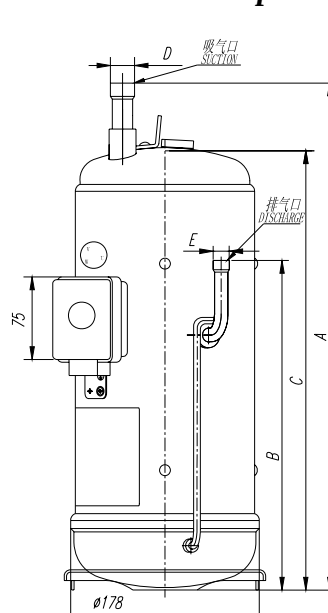
R410A 常规压缩机外形图

R410A General



R410A 并联压缩机外形图

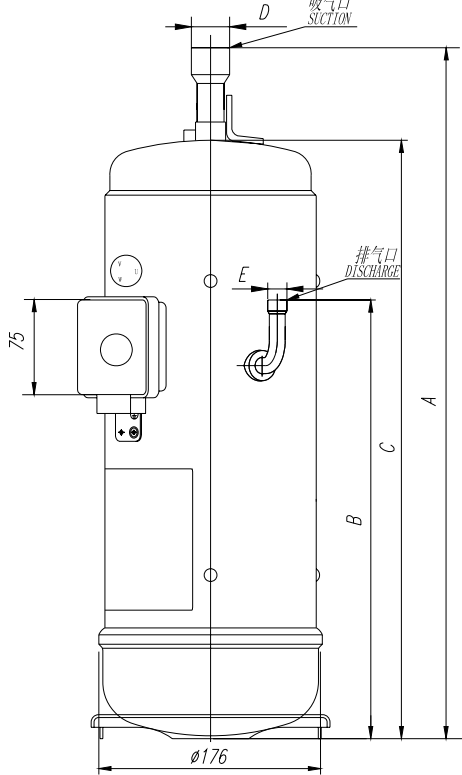
R410A Multiple



压缩机型号 (Model)	A	B	C	D	E
E405DHD、E405DHDY	472	290	412	∅ 19.3	∅ 12.9
E655DHD、E655DHDY	530	346	468	∅ 22.2	∅ 16.1
E405DH E405DHY E505DHY E605DHY	510	330	451	∅ 19.3	∅ 12.9
E505DH E605DH E655DH	530	346	468	∅ 19.3	∅ 12.9
E855DH、E855DHY	552	371	492	∅ 22.2	∅ 16.1

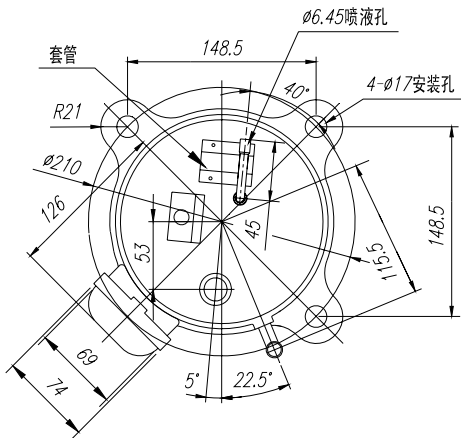
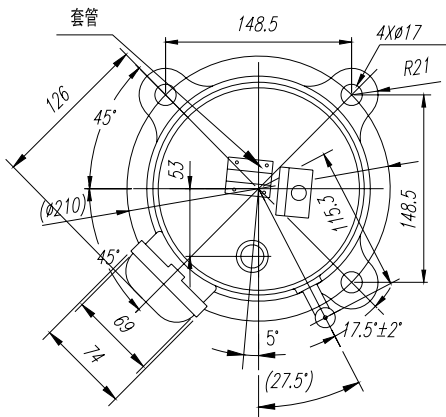
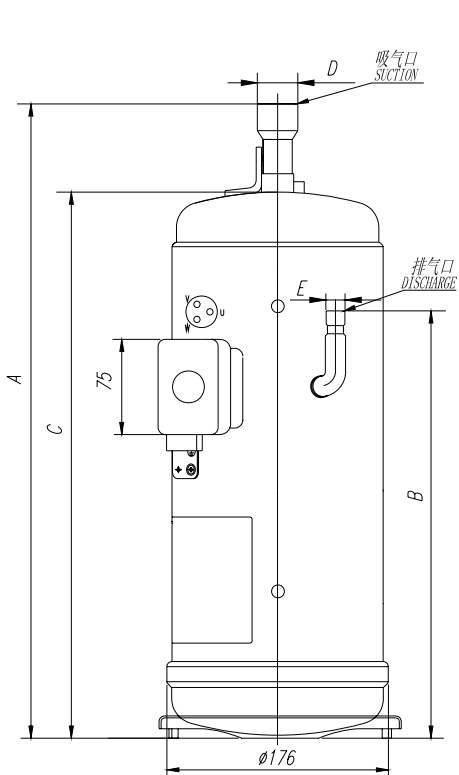
R22 高能效压缩机外形图

R22 High-Efficiency



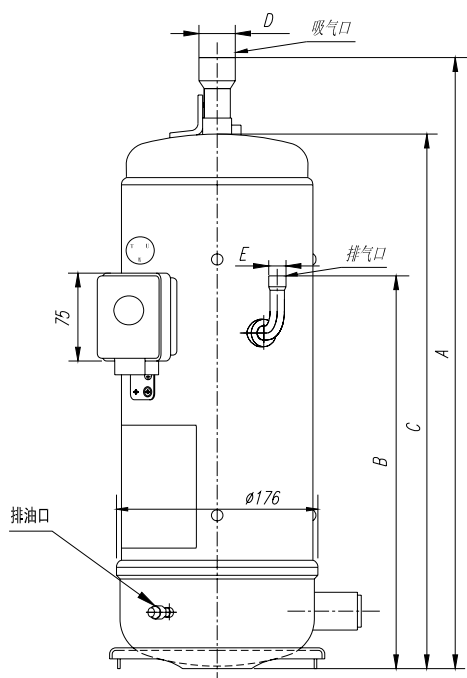
R22 低温热泵压缩机外形图

R22 for Low-Temperature Heat Pump

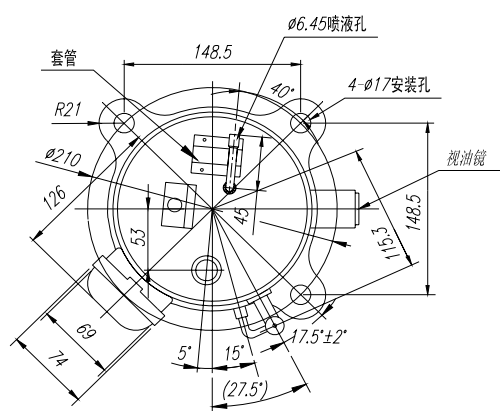
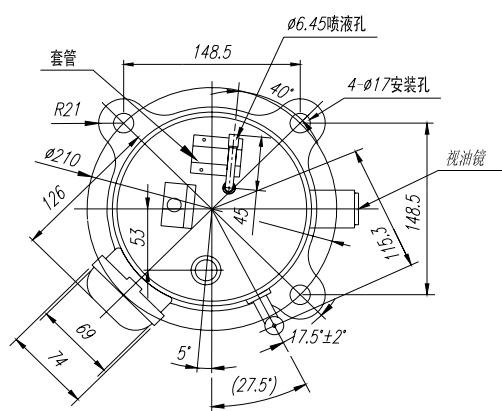
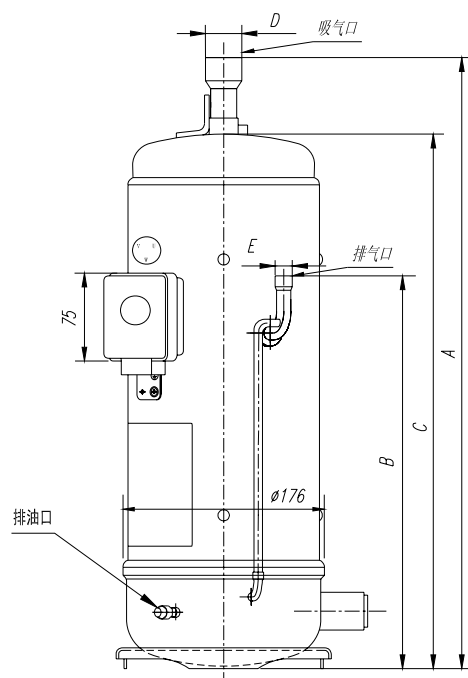


压缩机型号 Model	A	B	C	D	E
R22 高能效压缩机 R22 High-Efficiency	505	329	443	Ø 22.2	Ø 12.9
R22 低温热泵压缩机 R22 for Low-Temperature Heat Pump	488	340	427	Ø 22.2	Ø 12.9

R22 常规冷冻压缩机外形图
R22 Freeze of General

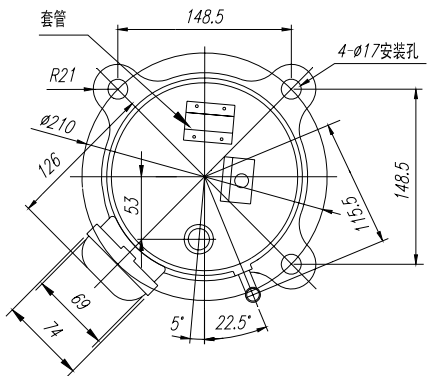
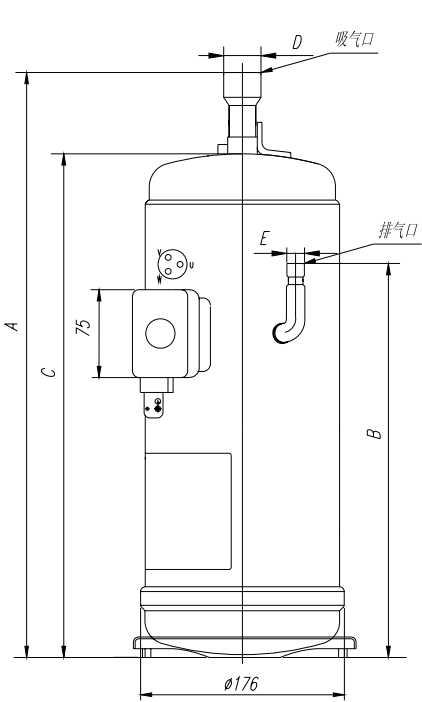


R22 并联冷冻压缩机外形图
R22 Freeze of Multiple

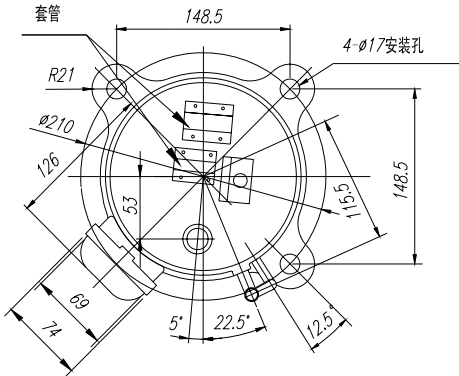
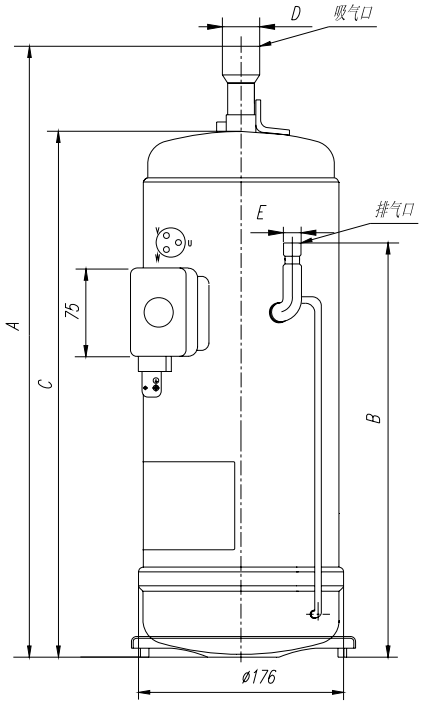


压缩机型号 model	A	B	C	D	E
R22 常规冷冻压缩机 (R22) General for Freeze	533	357	470	∅ 22.2	∅ 12.9
R22 并联冷冻压缩机 (R22) Multiple for Freeze					

R22/R407C 常规压缩机外形图
R22/R407C General



R22/R407C 并联压缩机外形图
R22/R407C Multiple



压缩机型号 Model	A	B	C	D	E
常规压缩机 General	488	340	427	Ø 22.2	Ø 12.9
并联压缩机 Multiple	503	355	442	Ø 22.2	Ø 12.9

14、安装附件

Mounting Accessories

编号 Number	名称 Name	数量 Quantity	代号 Code	备注 Remarks
1	支撑螺柱 Support Studs	4	CSE00289	标准部件 Standardized Component
2	防振胶垫 Vibration Isolators Rubber	4	CSE00290	
3	防振胶座 Vibration Isolators Rubber Seat	4	CSE00292	
4	垫圈 Washer	4	CSE00303	
5	螺母 Nut	4	CSN00302	
6	螺母 Nut	4	CSN00304	
7	弹性垫圈 Elastic Washer	4	CSN00305	
8	排气温控器 Discharge Temperature Controller	1	CSE00297	选择部件 Selective Component
9	热油器 Oil Heater	1	CSD00300	

注：由于日立公司要为客户提供新产品，压缩机规格可能变更，恕不预先通知。

Remark: Specification is subjected to change due to offering customized new products.