

CUBIGEL HERMETIC COMPRESSORS

cubigel[®]

compressors

(Formerly ACC/Electrolux)

Cubigel compressors and condensing units are in more than 150 countries around the world with the aim to satisfy the commercial refrigeration market needs by offering cutting-edge technological products.

Cubigel have sold over 55 million domestic products and the number of sales in compressors is just as impressive with over 16% of the world's market share, Cubigel were producing over 22 million compressors a year.

Each product has been designed and tested for specific refrigerants and conditions of each country. Obviously conditions for Australia are completely opposite to that of Switzerland or Russia so when one of the eight manufacturing plants placed around the world sends out a product to a particular country, it has been designed to that countries climate and conditions.

The products imported into Australia are manufactured in the Barcelona factory. Condensing units, commercial and domestic compressors range from 2.44cc up to 34cc and are available in a comprehensive range of refrigerants for today's market.



CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Low Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +32°C Liquid temp & +32°C Suction gas								Motor Type	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-40	-35	-30	-25	-23.3	-20	-15	-10				
MLY60LAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	5.98	Capacity (w)	45.0	140	194	259	336	365	424	523	634	Nom. HP 1/5 220-240v 1Ø-50Hz	MCC 2.55 RLA 1.23 ISO VG 32 Ester	350mls 10.2kg	
		Input (w)		152	175	200	225	234	251	278	306				
		Amps		0.88	0.97	1.06	1.17	1.2	1.28	1.4	1.52				
		Capacity (w)	50.0	128	180	243	317	345	404	500	608	CSR Fan Cooled	LRA 10.0		
		Input (w)		149	174	200	227	237	255	285	315				
		Amps		0.86	0.96	1.06	1.18	1.22	1.3	1.42	1.56				
		Capacity (w)	55.0	116	166	227	299	326	381	476	582	Fan Cooled			
		Input (w)		145	172	201	230	240	260	291	323				
		Amps		0.85	0.95	1.07	1.19	1.23	1.32	1.45	1.6				
MLY80LAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	8.1	Capacity (w)	45.0	163	231	315	415	452	530	662	808	Nom. HP 1/4 220-240v 1Ø-50Hz	MCC 2.4 RLA 1.35 ISO VG 32 Ester	400mls 11.1kg	
		Input (w)		180	213	246	278	289	311	344	376				
		Amps		0.88	1.0	1.13	1.27	1.32	1.43	1.6	1.79				
		Capacity (w)	50.0	151	216	298	394	430	506	633	777	CSR Fan Cooled	LRA 11.0		
		Input (w)		175	210	245	280	292	315	350	385				
		Amps		0.87	0.99	1.13	1.28	1.34	1.45	1.64	1.84				
		Capacity (w)	55.0	140	201	279	372	407	480	605	744	Fan Cooled			
		Input (w)		170	208	245	282	295	320	357	394				
		Amps		0.85	0.98	1.12	1.29	1.35	1.47	1.68	1.9				
MLY90LAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	9.09	Capacity (w)	45.0	186	264	358	470	512	599	744	907	Nom. HP 1/3 220-240v 1Ø-50Hz	MCC 3.2 RLA 1.75 ISO VG 32 Ester	400mls 10.5kg	
		Input (w)		207	240	275	313	326	352	394	438				
		Amps		1.23	1.36	1.51	1.66	1.72	1.83	2.02	2.21				
		Capacity (w)	50.0	174	248	338	445	486	570	711	870	CSR Fan Cooled	LRA 11.5		
		Input (w)		203	238	276	316	329	352	401	448				
		Amps		1.22	1.36	1.51	1.68	1.73	1.59	2.05	2.26				
		Capacity (w)	55.0	163	231	317	421	459	541	678	832	Fan Cooled			
		Input (w)		199	237	276	318	333	362	409	457				
		Amps		1.2	1.35	1.51	1.69	1.75	1.88	2.08	2.3				
MPT12LA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	12.1	Capacity (w)	45.0	301	399	522	670	726	844	1043	1268	Nom. HP 3/8 220-240v 1Ø-50Hz	MCC 3.8 RLA 2.22 ISO VG 32 Ester	350mls 12.3kg	
		Input (w)		292	340	390	442	460	497	553	612				
		Amps		1.42	1.64	1.87	2.11	2.19	2.36	2.61	2.88				
		Capacity (w)	50.0	281	374	494	640	694	809	1006	1227	CSR Fan Cooled	LRA 13.9		
		Input (w)		288	338	390	445	464	501	560	622				
		Amps		1.4	1.63	1.87	2.12	2.2	2.38	2.65	2.93				
		Capacity (w)	55.0	261	351	468	609	663	776	969	1186	Fan Cooled			
		Input (w)		283	336	390	447	467	506	568	631				
		Amps		1.38	1.62	1.87	2.13	2.22	2.4	2.68	2.97				

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

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R404A (R507) - Low Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +32°C Liquid temp & +32°C Suction gas								Motor Type	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-40	-35	-30	-25	-23.3	-20	-15	-10				
MPT14LAB High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	14.3	Capacity (w)	45.0	361	473	611	772	834	959	1171	1407	Nom. HP 1/2	MCC 5.0	400mls ISO VG 32 Ester	12.3kg
		Input (w)		360	411	465	521	541	580	640	703				
		Amps		1.88	2.12	2.36	2.61	2.7	2.86	3.12	3.37				
		Capacity (w)	50.0	343	452	587	747	806	930	1139	1372	220-240v 1Ø-50Hz	RLA 2.8		
		Input (w)		352	409	469	531	553	596	662	732				
		Amps		1.84	2.11	2.38	2.65	2.75	2.93	3.21	3.49				
		Capacity (w)	55.0	326	433	564	720	779	901	1107	1337	CSR Fan Cooled	LRA 16.0		
		Input (w)		343	407	473	541	565	612	685	760				
		Amps		1.8	2.1	2.4	2.7	2.8	3.0	3.3	3.6				
MPT16LA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	16.1	Capacity (w)	45.0	371	507	675	875	949	1105	1367	1661	Nom. HP 1/2	MCC 4.0	450mls ISO VG 32 Ester	12.4kg
		Input (w)		394	448	508	573	597	645	722	805				
		Amps		1.98	2.21	2.47	2.76	2.87	3.08	3.44	3.83				
		Capacity (w)	50.0	350	484	649	846	920	1073	1333	1625	220-240v 1Ø-50Hz	RLA 3.04		
		Input (w)		395	454	519	590	616	667	750	839				
		Amps		1.99	2.24	2.52	2.84	2.95	3.19	3.57	3.99				
		Capacity (w)	55.0	329	461	622	816	890	1042	1299	1587	CSR Fan Cooled	LRA 19.0		
		Input (w)		396	461	531	608	635	690	778	872				
		Amps		1.99	2.27	2.58	2.92	3.04	3.29	3.7	4.15				
MPT18LA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	18.0	Capacity (w)	45.0	401	554	740	958	1041	1211	1497	1815	Nom. HP 1/2	MCC 5.9	400mls ISO VG 32 Ester	12.8kg
		Input (w)		422	491	566	644	672	728	815	908				
		Amps		2.05	2.35	2.67	3.02	3.14	3.4	3.81	4.26				
		Capacity (w)	50.0	381	528	709	922	1003	1170	1450	1764	220-240v 1Ø-50Hz	RLA 3.34		
		Input (w)		427	501	580	664	694	752	845	943				
		Amps		2.07	2.39	2.73	3.11	3.24	3.51	3.96	4.43				
		Capacity (w)	55.0	362	504	678	887	965	1128	1404	1712	CSR Fan Cooled	LRA 26.0		
		Input (w)		431	511	595	684	715	777	875	978				
		Amps		2.09	2.43	2.8	3.2	3.34	3.63	4.1	4.61				
MX21FBA Standard Suction/Service stub tube: 9.7mm Discharge stub tube: 6.5mm Service/Suction stub tube: 9.7mm	20.7	Capacity (w)	45.0	372	540	745	990	1082	1272	1594	1954	Nom. HP 3/4	MCC 6.5	650mls ISO VG 32 Ester	16.6kg
		Input (w)		415	489	569	656	688	751	852	960				
		Amps		2.23	2.55	2.92	3.32	3.47	3.76	4.25	4.78				
		Capacity (w)	50.0	329	487	684	920	1009	1194	1507	1858	220-240v 1Ø-50Hz	RLA 3.5		
		Input (w)		395	476	563	658	691	759	867	983				
		Amps		2.14	2.5	2.89	3.33	3.48	3.8	4.32	4.89				
		Capacity (w)	55.0	285	435	623	850	936	1115	1420	1762	CSR Fan Cooled	LRA 24.0		
		Input (w)		375	463	557	659	695	767	883	1005				
		Amps		2.05	2.44	2.86	3.33	3.5	3.84	4.4	5.0				

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Airefrig Part Number	Displ cm ³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +32°C Liquid temp & +32°C Suction gas								Motor Type	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-40	-35	-30	-25	-23.3	-20	-15	-10				
MX23FBA Standard Suction/Service stub tube: 9.7mm Discharge stub tube: 6.5mm Service/Suction stub tube: 9.7mm	23.2	Capacity (w)	45.0	436	619	843	1112	1213	1424	1777	2175	Nom. HP 7/8	MCC 6.7	650mls ISO VG 32 Ester	16.6kg
		Input (w)		485	559	643	736	770	840	952	1075				
		Amps		2.52	2.88	3.28	3.74	3.9	4.24	4.81	5.42				
		Capacity (w)	50.0	393	565	782	1041	1139	1343	1688	2076	220-240v 1Ø-50Hz	RLA 4.0		
		Input (w)		473	553	644	744	780	854	973	1103				
		Amps		2.46	2.85	3.29	3.77	3.95	4.32	4.91	5.56				
		Capacity (w)	55.0	349	513	720	970	1064	1262	1598	1977	CSR Fan Cooled	LRA 30.0		
		Input (w)		460	547	645	751	790	868	994	1130				
		Amps		2.4	2.82	3.29	3.81	4.0	4.39	5.01	5.7				
MS26FB-V Standard Suction Valve 1/2" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	25.9	Capacity (w)	45.0	395	661	970	1326	1456	1726	2172	2663	Nom. HP 3/4	MCC 7.3	700mls ISO VG 46 Ester	21.2kg
		Input (w)		440	571	700	828	872	955	1081	1205				
		Amps		2.65	3.16	3.68	4.23	4.42	4.79	5.38	5.98				
		Capacity (w)	50.0	320	572	869	1212	1339	1600	2033	2512	220-240v 1Ø-50Hz	RLA 4.5		
		Input (w)		420	559	698	835	881	970	1104	1238				
		Amps		2.57	3.11	3.67	4.26	4.46	4.86	5.49	6.14				
		Capacity (w)	55.0	244	484	769	1099	1221	1474	1895	2361	CSR Fan Cooled	LRA 31.5		
		Input (w)		400	548	695	841	890	985	1128	1270				
		Amps		2.5	3.07	3.66	4.28	4.5	4.93	5.6	6.3				
MS30FB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	29.9	Capacity (w)	45.0	442	750	1108	1514	1663	1969	2473	3025	Nom. HP 7/8	MCC 9.5	700mls ISO VG 46 Ester	22.3kg
		Input (w)		550	685	824	965	1014	1109	1256	1406				
		Amps		3.1	3.64	4.21	4.8	5.0	5.42	6.06	6.73				
		Capacity (w)	50.0	361	654	996	1386	1531	1826	2313	2851	220-240v 1Ø-50Hz	RLA 5.1		
		Input (w)		525	671	820	972	1025	1127	1285	1446				
		Amps		3.0	3.58	4.19	4.83	5.05	5.49	6.19	6.92				
		Capacity (w)	55.0	279	557	883	1258	1397	1682	2155	2676	CSR Fan Cooled	LRA 30.0		
		Input (w)		500	657	817	980	1036	1146	1314	1486				
		Amps		2.9	3.52	4.18	4.86	5.1	5.57	6.32	7.1				
MS34FB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	34.4	Capacity (w)	45.0	512	857	1263	1729	1902	2255	2842	3489	Nom. HP 1.0	MCC 9.0	700mls ISO VG 46 Ester	21.7kg
		Input (w)		655	801	955	1116	1173	1285	1461	1645				
		Amps		4.2	4.76	5.37	6.02	6.26	6.73	7.5	8.34				
		Capacity (w)	50.0	419	750	1143	1596	1763	2109	2681	3315	220-240v 1Ø-50Hz	RLA 6.39		
		Input (w)		628	787	953	1127	1188	1309	1498	1695				
		Amps		4.1	4.7	5.36	6.07	6.32	6.84	7.67	8.57				
		Capacity (w)	55.0	326	644	1022	1462	1625	1961	2520	3140	CSR Fan Cooled	LRA 39.0		
		Input (w)		600	772	952	1139	1204	1333	1535	1745				
		Amps		4.0	4.65	5.35	6.12	6.39	6.94	7.84	8.8				

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Low Temperature Compressors Technical Information

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MLY60LAB	E1	D9	9.58	17.0	102660	47-56 uF 330v	102254	5 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1127 (BDG 127S)+NTC 15Ω			405146	PROTECTOR 9-559, ELECTRICA T0069-L6			102206

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MLY80LAB	E1	D11 prior April '18 D10 after April '18	7.6	12.04	102661	47-56 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1135 (BDG 135S)+NTC 15Ω			405147	PROTECTOR 9-906, BDG AE26FHY6			102321

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MLY90LAB	E1	D11	7.26	10.48	102664	64-77 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1145 (BDG 145S)+NTC 15Ω			405148	PROTECTOR 9-552, ELECTRICA T0269-L6			102199

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MPT12LA	E1	D12	6.4	10.4	102661	47-56 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1149 (BDG 149S)+NTC 15Ω			405149	PROTECTOR 9-552, ELECTRICA T0269-L6			102199

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MPT14LAB	E1	D12	5.02	9.67	102661	47-56 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1158 (BDG 158S)+NTC 15Ω			405150	PROTECTOR 9-556, ELECTRICA T0267-L6			102203

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MPT16LA	E1	D12	5.3	8.7	102665	72-88 uF 330v	102654	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1158 (BDG 158S)+NTC 15Ω			405150	PROTECTOR 9-558, ELECTRICA T0266-L6			102205

CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Low Temperature Compressors Technical Information (cont'd)

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MPT18LA	E1	D12	5.9	9.48	102665	72-88uF 330v	102654	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1166 (BDG 166S)+NTC 15 15Ω			405151	PROTECTOR 9-553, ELECTRICA T0268-L6			102200

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MX21FBA	E1	D13	2.76	7.1	102665	72-88 uF 330v	102654	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1170 (BDG 170S)+NTC 15 15Ω			405780	PROTECTOR 9-550, ELECTRICA T0348-L6			102197

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MX23FBA	E1	D13	2.56	6.5	102665	72-88 uF 330v	102654	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1180 (BDG 180S)+NTC 15 15Ω			406884	PROTECTOR 9-549, ELECTRICA T0535-L6			102196

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MS26FB-V	E2	D16	2.63	6.29	100690	88-108 uF 330v	102083	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9006, RF.ELECTRI.RVA 4M 3C			100480	PROTECTOR 6-562, ELECTRICA T0260-G2			101405

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MS30FB-V	E2	D16	1.99	3.72	100690	88-108 uF 330v	102084	20 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9001, RF.ELECTRI.RVA 2E 3C			100477	PROTECTOR 6-534, ELECTRICA T0452-G2			100650

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MS34FB-V	E2	D16	2.13	7.4	100690	88-108 uF 330v	102084	20 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9006, RF.ELECTRI.RVA 4M 3C			100480	PROTECTOR 6-551, ELECTRICA T0534-G2			101097

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R404A (R507) - Medium Temperature Compressors

Airefrig Part Number	Displ cm ³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +46°C Liquid temp & +35°C Suction gas								Motor Info	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-25	-20	-15	-10	-5	0	5	10				
MLY60RAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	5.98	Capacity (w)	45.0	291	373	472	585	713	855	1013	1186	Nom. HP 1/4	MCC 5.6	350mls ISO VG 32 Ester	10.6kg
		Input (w)		224	251	276	299	321	341	260	377				
		Amps		1.28	1.39	1.49	1.58	1.67	1.76	1.84	1.92				
		Capacity (w)	50.0	267	344	436	542	664	800	952	1119	220-240v 1Ø-50Hz	RLA 2.05		
		Input (w)		225	254	282	309	333	356	378	398				
		Amps		1.29	1.4	1.51	1.62	1.73	1.83	1.92	2.01				
		Capacity (w)	55.0	244	314	400	500	615	745	891	1051	CSR Fan Cooled	LRA 11.0		
		Input (w)		226	258	289	318	346	371	396	419				
		Amps		1.29	1.42	1.54	1.66	1.78	1.89	2.0	2.11				
MLY80RAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	8.10	Capacity (w)	45.0	407	528	671	837	1026	1237	1471	1728	Nom. HP 3/8	MCC 4.9	400mls ISO VG 32 Ester	11.4kg
		Input (w)		290	320	349	379	408	438	467	496				
		Amps		1.68	1.79	1.91	2.02	2.14	2.26	2.39	2.51				
		Capacity (w)	50.0	366	473	604	756	932	1129	1349	1593	220-240v 1Ø-50Hz	RLA 2.7		
		Input (w)		293	327	361	394	428	462	495	529				
		Amps		1.69	1.82	1.95	2.09	2.22	2.36	2.51	2.65				
		Capacity (w)	55.0	326	419	535	675	836	1021	1228	1457	CSR Fan Cooled	LRA 14.0		
		Input (w)		296	334	372	410	448	486	523	561				
		Amps		1.7	1.85	2.0	2.15	2.31	2.47	2.63	2.79				
ML90TB Standard Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	8.85	Capacity (w)	45.0	407	528	671	837	1026	1237	1471	1728	Nom. HP 3/8	MCC 5.5	400mls ISO VG 32 Ester	12.3kg
		Input (w)		350	388	427	467	507	549	591	634				
		Amps		2.62	2.73	2.85	2.98	3.13	3.28	3.45	3.64				
		Capacity (w)	50.0	366	473	604	756	932	1129	1349	1593	220-240v 1Ø-50Hz	RLA 3.28		
		Input (w)		355	397	440	483	528	573	619	666				
		Amps		2.64	2.76	2.89	3.04	3.2	3.38	3.57	3.78				
		Capacity (w)	55.0	326	419	535	675	836	1021	1228	1457	CSIR Fan Cooled	LRA 16.0		
		Input (w)		360	406	452	500	548	598	648	699				
		Amps		2.65	2.78	2.93	3.1	3.28	3.48	3.7	3.93				
MLY90RAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	9.09	Capacity (w)	45.0	448	579	734	912	1114	1339	1587	1858	Nom. HP 3/8	MCC 5.3	400mls ISO VG 32 Ester	11.4kg
		Input (w)		337	372	406	438	470	502	532	561				
		Amps		2.07	2.2	2.33	2.46	2.59	2.72	2.85	2.98				
		Capacity (w)	50.0	407	523	663	826	1012	1221	1454	1711	220-240v 1Ø-50Hz	RLA 3.2		
		Input (w)		341	380	418	456	492	528	563	596				
		Amps		2.09	2.23	2.38	2.53	2.68	2.83	2.98	3.14				
		Capacity (w)	55.0	366	468	591	739	909	1104	1321	1563	CSR Fan Cooled	LRA 17.0		
		Input (w)		345	389	431	473	514	554	593	631				
		Amps		2.1	2.26	2.43	2.6	2.77	2.95	3.12	3.3				

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Medium Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +46°C Liquid temp & +35°C Suction gas								Motor Info	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-25	-20	-15	-10	-5	0	5	10				
MPT12RA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	12.1	Capacity (w)	45.0	629	820	1039	1283	1554	1851	2175	2526	Nom. HP 3/8	MCC 5.3	400mls ISO VG 32 Ester	12.2kg
		Input (w)		477	520	563	605	647	688	728	768				
		Amps		2.21	2.41	2.6	2.8	2.99	3.17	3.36	3.54				
		Capacity (w)	50.0	569	741	940	1164	1417	1696	2000	2332	220-240v 1Ø-50Hz	RLA 3.84		
		Input (w)		485	533	582	629	677	724	770	816				
		Amps		2.25	2.47	2.69	2.91	3.12	3.34	3.55	3.76				
		Capacity (w)	55.0	507	661	840	1047	1279	1540	1826	2138	CSR Fan Cooled	LRA 18.5		
		Input (w)		492	547	601	654	707	759	811	863				
		Amps		2.28	2.53	2.78	3.02	3.26	3.5	3.74	3.97				
MPT14RA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	14.3	Capacity (w)	45.0	-	-	1101	1363	1663	2000	2375	2787	Nom. HP 1/2	MCC 6.5	400mls ISO VG 32 Ester	12.3kg
		Input (w)		-	-	683	742	799	857	913	969				
		Amps		-	-	3.14	3.41	3.68	3.94	4.2	4.45				
		Capacity (w)	50.0	-	-	1009	1254	1535	1855	2212	2606	220-240v 1Ø-50Hz	RLA 4.61		
		Input (w)		-	-	701	763	824	885	945	1004				
		Amps		-	-	3.23	3.51	3.8	4.07	4.34	4.61				
		Capacity (w)	55.0	-	-	918	1144	1408	1710	2049	2425	CSR Fan Cooled	LRA 21.0		
		Input (w)		-	-	719	784	849	913	976	1039				
		Amps		-	-	3.31	3.61	3.91	4.2	4.49	4.77				
MX16TBA Standard Suction/Service stub tube: 9.7mm Discharge stub tube: 6.5mm Service/Suction stub tube: 9.7mm	16.0	Capacity (w)	45.0	704	929	1194	1498	1840	2221	2641	3099	Nom. HP 7/8	MCC 9.0	500mls ISO VG 32 Ester	16.4kg
		Input (w)		580	648	715	781	846	910	973	1034				
		Amps		3.12	3.4	3.69	3.98	4.26	4.54	4.82	5.1				
		Capacity (w)	50.0	632	832	1070	1348	1664	2020	2413	2847	220-240v 1Ø-50Hz	RLA 5.4		
		Input (w)		584	659	733	807	879	950	1020	1088				
		Amps		3.13	3.45	3.77	4.09	4.41	4.72	5.03	5.35				
		Capacity (w)	55.0	558	733	946	1198	1489	1818	2186	2593	CSR Fan Cooled	LRA 34.5		
		Input (w)		588	670	752	832	911	989	1066	1142				
		Amps		3.15	3.5	3.85	4.2	4.55	4.9	5.25	5.59				
MX18TBA Standard Suction/Service stub tube: 9.7mm Discharge stub tube: 6.5mm Service/Suction stub tube: 9.7mm	18.4	Capacity (w)	45.0	814	1062	1355	1693	2076	2504	2976	3494	Nom. HP 7/8	MCC 9.0	500mls ISO VG 32 Ester	16.4kg
		Input (w)		680	763	842	919	993	1064	1131	1196				
		Amps		4.03	4.35	4.67	4.99	5.32	5.64	5.95	6.26				
		Capacity (w)	50.0	727	950	1219	1533	1891	2295	2742	3235	220-240v 1Ø-50Hz	RLA 6.5		
		Input (w)		667	766	853	937	1018	1096	1171	1242				
		Amps		4.01	4.36	4.72	5.07	5.43	5.78	6.14	6.49				
		Capacity (w)	55.0	640	839	1083	1372	1706	2085	2509	2977	CSR Fan Cooled	LRA 34.5		
		Input (w)		673	770	864	955	1043	1128	1210	1289				
		Amps		4.0	4.38	4.76	5.15	5.54	5.93	6.33	6.72				

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Medium Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +46°C Liquid temp & +35°C Suction gas								Motor Info	Amps	Oil charge	Weight		
				Evaporating Temperature °C													
				-25	-20	-15	-10	-5	0	5	10						
MX21TBA Standard Suction/Service stub tube: 9.7mm Discharge stub tube: 6.5mm Service/Suction stub tube: 9.7mm	20.7	Capacity (w)	45.0	-	-	1514	1898	2332	2817	3353	3940	Nom. HP 1.0 220-240v 1Ø-50Hz CSR Fan Cooled	MCC 9.6 RLA 7.1 LRA 37.0	500mls ISO VG 32 Ester	16.5kg		
		Input (w)		-	-	923	1008	1092	1174	1255	1334						
		Amps		-	-	4.62	5.03	5.43	5.84	6.26	6.67						
		Capacity (w)	50.0	-	-	1365	1719	2125	2581	3087	3645						
		Input (w)		-	-	955	1047	1137	1227	1314	1401						
		Amps		-	-	4.77	5.21	5.66	6.11	6.56	7.02						
		Capacity (w)	55.0	-	-	1216	1541	1917	2343	2821	3349						
		Input (w)		-	-	986	1085	1183	1279	1374	1467						
		Amps		-	-	4.92	5.4	5.89	6.38	6.88	7.38						
MS22TB-V Standard Suction Valve 1/2" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	21.7	Capacity (w)	45.0	814	1150	1541	1988	2489	3045	3655	4321	Nom. HP 1.0 220-240v 1Ø-50Hz CSR Fan Cooled	MCC 8.4 RLA 6.4 LRA 32.0	700mls ISO VG 46 Ester	20.1kg		
		Input (w)		625	735	836	928	1011	1086	1151	1208						
		Amps		3.42	3.89	4.33	4.73	5.1	5.44	5.74	6.0						
		Capacity (w)	50.0	669	973	1333	1748	2217	2741	3320	3954						
		Input (w)		588	712	828	936	1034	1123	1203	1275						
		Amps		3.26	3.79	4.3	4.77	5.21	5.61	5.98	6.31						
		Capacity (w)	55.0	523	797	1125	1507	1945	2438	2985	3588						
		Input (w)		550	690	821	943	1056	1160	1256	1342						
		Amps		3.1	3.69	4.26	4.8	5.31	5.78	6.22	6.62						
MS26TB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	25.9	Capacity (w)	45.0	1116	1518	1982	2512	3105	3762	4485	5271	Nom. HP 1-3/8 220-240v 1Ø-50Hz CSR Fan Cooled	MCC 11.5 RLA 8.1 LRA 38.0	700mls ISO VG 46 Ester	21.7kg		
		Input (w)		790	906	1018	1126	1230	1331	1428	1521						
		Amps		4.38	4.89	5.38	5.86	6.33	6.77	7.2	7.62						
		Capacity (w)	50.0	948	1312	1740	2232	2789	3410	4095	4844						
		Input (w)		770	901	1029	1152	1272	1388	1501	1609						
		Amps		4.29	4.87	5.43	5.98	6.51	7.03	7.53	8.01						
		Capacity (w)	55.0	779	1106	1497	1974	2473	3056	3704	4417						
		Input (w)		750	897	1040	1179	1314	1446	1574	1698						
		Amps		4.2	4.85	5.48	6.1	6.7	7.29	7.85	8.41						
MS34TB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	34.4	Capacity (w)	45.0	-	-	2675	3372	4136	4966	5864	6829	Nom. HP 1-5/8 220-240v 1Ø-50Hz CSR Fan Cooled	MCC 17.5 RLA 11.5 LRA 41.0	700mls ISO VG 46 Ester	21.8kg		
		Input (w)		-	-	1400	1531	1677	1839	2017	2210						
		Amps		-	-	7.25	7.82	8.48	9.23	10.08	11.04						
		Capacity (w)	50.0	-	-	2413	3058	3769	4547	5393	6305						
		Input (w)		-	-	1440	1584	1744	1919	2111	2318						
		Amps		-	-	7.43	8.06	8.79	9.61	10.54	11.59						
		Capacity (w)	55.0	-	-	2152	2744	3403	4129	4922	5781						
		Input (w)		-	-	1480	1638	1811	2000	2205	2425						
		Amps		-	-	7.6	8.3	9.1	10.0	11.02	12.15						

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Medium Temperature Compressors Technical Information

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MLY60RAB	E1	D9	7.5	15.85	102660	47-56uF 330v	102255	6 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1135 (BDG 135S)+NTC 15Ω			405147	PROTECTOR 9-552, ELECTRICA T0269-L6			102199

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MLY80RAB	E1	D11	5.69	11.6	102664	64-77 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1149 (BDG 149S)+NTC 15Ω			405149	PROTECTOR 9-558, ELECTRICA T0266-L6			102205

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
ML90TB	E3	D11	5.69	11.6	102661	47-56 uF 330v	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1149-8 (BDG 149S)			405177	PROTECTOR 9-541, ELECTRICA T0425-L6			102190

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MLY90RAB	E1	D11	4.68	10.5	102664	64-77 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1149 (BDG 149S)+NTC 15Ω			405149	PROTECTOR 9-556, ELECTRICA T0267-L6			102203

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MPT12RA	E1	D12	5.19	7.67	102664	64-77 uF 330v	102084	20 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1158 (BDG 158S)+NTC 15Ω			405150	PROTECTOR 9-548, ELECTRICA T0188-L6			102195

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MPT14RA	E1	D12	4.5	5.75	102664	64-77 uF 330v	103220	25 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1166 (BDG 166S)+NTC 15Ω			405151	PROTECTOR 9-550, ELECTRICA T0348-L6			102197

CUBIGEL HERMETIC COMPRESSORS

R404A (R507) - Medium Temperature Compressors Technical Information (cont'd)

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MX16TBA	E1	D13	2.34	7.22	103300	88-108 uF 330v	102654	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1180 (BDG 180S)+NTC 15 15Ω			406884	PROTECTOR 9-562, ELECTRICA T0260-L6			102209

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MX21TBA	E1	D13	2.14	6.24	103300	88-108 uF 330v	102260	20 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1184 (BDG 184S)+NTC 15 15Ω			406725	PROTECTOR 9-551, ELECTRICA T0534-L6			102198

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MX18TBA	E1	D13	2.34	7.22	103300	88-108 uF 330v	102654	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1180 (BDG 180S)+NTC 15 15Ω			406884	PROTECTOR 9-562, ELECTRICA T0260-L6			102209

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MS22TB-V	E2	D15	1.81	6.52	100680	72-88 uF 330v	102084	20 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9002, RF.ELECTRI.RVA 3G 3C			100478	PROTECTOR 6-551, ELECTRICA T0534-G2			101097

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MS26TB-V	E2	D16	1.65	4.9	100690	88-108 uF 330v	102084	20 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9002, RF.ELECTRI.RVA 3G 3C			100478	PROTECTOR 6-551, ELECTRICA T0534-G2			101097

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
MS34TB-V	E2	D16	1.38	4.58	100690	88-108 uF 330v	102085	25 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9002, RF.ELECTRI.RVA 3G 3C			100478	PROTECTOR 7-568, ELECTRICA GA3PLS00			101434

CUBIGEL HERMETIC COMPRESSORS

R134A - Medium Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +46°C Liquid temp & +35°C Suction gas								Motor Info	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-25	-20	-15	-10	-5	0	5	10				
GLY45RAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	4.56	Capacity (w)	45.0	91	131	180	238	306	381	468	562	Nom. HP 1/6	MCC 1.75	265mls ISO VG 32 Ester	8.85kg
		Input (w)		90	101	112	123	135	148	161	174				
		Amps		0.6	0.64	0.68	0.72	0.76	0.81	0.86	0.91				
		Capacity (w)	50.0	85	121	166	221	285	357	438	529	220-240v 1Ø-50Hz	RLA 0.95		
		Input (w)		91	103	115	128	141	154	168	183				
		Amps		0.61	0.65	0.69	0.73	0.78	0.83	0.89	0.95				
		Capacity (w)	55.0	78	110	152	204	264	333	411	498	CSR Fan Cooled	LRA 8.5		
		Input (w)		92	105	118	132	146	161	176	192				
Amps	0.61	0.65		0.7	0.75	0.8	0.86	0.92	0.99						
GLY60RAB (to be replaced by GUY60RAB) High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	5.98	Capacity (w)	45.0	136	186	248	320	405	500	608	727	Nom. HP 1/5	MCC 2.5	300mls ISO VG 32 Ester	10.6kg
		Input (w)		104	119	134	149	165	180	196	212				
		Amps		0.64	0.7	0.76	0.82	0.88	0.94	1.01	1.08				
		Capacity (w)	50.0	127	172	228	297	377	469	571	686	220-240v 1Ø-50Hz	RLA 1.13		
		Input (w)		105	121	138	155	172	189	206	223				
		Amps		0.65	0.71	0.77	0.84	0.91	0.98	1.05	1.13				
		Capacity (w)	55.0	116	157	209	273	349	436	535	644	CSR Fan Cooled	LRA 8.5		
		Input (w)		106	124	142	160	178	197	216	235				
Amps	0.65	0.72		0.79	0.86	0.94	1.01	1.09	1.18						
GUY60RAB (to replace the GLY60RAB) High Efficiency Suction/Service stub tube: 6.2mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.2mm	6.0	Capacity (w)	45.0	169	224	293	374	466	571	687	816	Nom. HP 1/5	MCC 2.0	200mls ISO VG 32 Ester	9.16kg
		Input (w)		111	126	140	154	167	180	192	204				
		Amps		0.57	0.63	0.69	0.75	0.81	0.87	0.92	0.98				
		Capacity (w)	50.0	154	205	269	344	433	533	644	768	220-240v 1Ø-50Hz	RLA 1.06		
		Input (w)		114	130	145	160	175	189	203	217				
		Amps		0.58	0.65	0.71	0.78	0.85	0.91	0.98	1.04				
		Capacity (w)	55.0	138	185	244	315	398	493	600	720	CSR Fan Cooled	LRA 9.0		
		Input (w)		116	133	150	167	183	199	214	229				
Amps	0.59	0.66		0.74	0.81	0.88	0.96	1.03	1.10						
GLY80RAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	8.10	Capacity (w)	45.0	204	272	356	456	572	704	852	1016	Nom. HP 1/5	MCC 3.5	345mls ISO VG 32 Ester	10.2kg
		Input (w)		154	172	190	209	228	248	267	287				
		Amps		0.97	1.04	1.11	1.18	1.25	1.33	1.41	1.5				
		Capacity (w)	50.0	190	251	329	423	533	658	801	958	220-240v 1Ø-50Hz	RLA 1.55		
		Input (w)		155	175	195	216	236	257	279	300				
		Amps		0.97	1.05	1.12	1.2	1.29	1.37	1.46	1.55				
		Capacity (w)	55.0	174	230	302	390	493	613	749	901	CSR Fan Cooled	LRA 10.5		
		Input (w)		157	178	200	222	244	267	290	313				
Amps	0.98	1.06		1.14	1.23	1.32	1.41	1.51	1.61						
GLY90RAB High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	9.09	Capacity (w)	45.0	221	295	388	499	628	773	937	1120	Nom. HP 1/4	MCC 3.2	300mls ISO VG 32 Ester	10.8kg
		Input (w)		165	187	209	231	254	277	301	325				
		Amps		1.06	1.13	1.21	1.3	1.39	1.48	1.58	1.69				
		Capacity (w)	50.0	204	272	358	462	584	723	880	1056	220-240v 1Ø-50Hz	RLA 1.77		
		Input (w)		167	190	214	239	264	290	316	342				
		Amps		1.07	1.15	1.24	1.33	1.43	1.53	1.65	1.77				
		Capacity (w)	55.0	186	248	327	424	540	672	823	992	CSR Fan Cooled	LRA 11.0		
		Input (w)		168	194	220	247	274	302	330	359				
Amps	1.07	1.16		1.26	1.36	1.47	1.59	1.71	1.85						

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R134A - Medium Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +46°C Liquid temp & +35°C Suction gas								Motor Info	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-25	-20	-15	-10	-5	0	5	10				
GPY12RAB High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	12.1	Capacity (w)	45.0	300	402	526	672	842	1034	1248	1484	Nom. HP 3/8	MCC 4.1	400mls ISO VG 32 Ester	13.4kg
		Input (w)		222	250	278	308	339	370	403	437				
		Amps		1.28	1.4	1.52	1.65	1.79	1.93	2.08	2.24				
		Capacity (w)	50.0	276	368	484	621	782	964	1170	1398	220-240v 1Ø-50Hz	RLA 2.35		
		Input (w)		225	255	286	319	353	387	423	460				
		Amps		1.29	1.42	1.56	1.7	1.85	2.01	2.18	2.35				
		Capacity (w)	55.0	250	334	441	570	721	896	1092	1312	CSR Fan Cooled	LRA 14.0		
		Input (w)		227	260	295	330	366	404	443	482				
Amps	1.3	1.44		1.59	1.75	1.91	2.09	2.27	2.46						
GPY14RAB High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	14.3	Capacity (w)	45.0	372	487	628	794	986	1204	1447	1717	Nom. HP 3/8	MCC 5.2	400mls ISO VG 32 Ester	12.3kg
		Input (w)		265	302	339	378	417	458	499	542				
		Amps		1.64	1.78	1.92	2.06	2.22	2.39	2.56	2.75				
		Capacity (w)	50.0	349	454	584	740	922	1129	1362	1621	220-240v 1Ø-50Hz	RLA 2.8		
		Input (w)		270	309	348	389	431	473	517	561				
		Amps		1.66	1.8	1.95	2.11	2.27	2.45	2.63	2.83				
		Capacity (w)	55.0	326	420	541	686	857	1055	1278	1526	CSR Fan Cooled	LRA 16.0		
		Input (w)		275	316	357	400	444	488	534	580				
Amps	1.68	1.83		1.98	2.15	2.33	2.51	2.71	2.92						
GPY16RAB High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	16.1	Capacity (w)	45.0	400	542	712	909	1135	1389	1670	1979	Nom. HP 1/2	MCC 6.2	400mls ISO VG 32 Ester	12.9kg
		Input (w)		303	346	389	431	473	514	555	595				
		Amps		1.8	1.94	2.09	2.26	2.43	2.62	2.82	3.02				
		Capacity (w)	50.0	369	498	654	839	1051	1291	1560	1856	220-240v 1Ø-50Hz	RLA 3.2		
		Input (w)		310	357	403	448	493	537	581	625				
		Amps		1.83	1.98	2.15	2.33	2.52	2.73	2.95	3.18				
		Capacity (w)	55.0	337	452	597	768	966	1194	1450	1733	CSR Fan Cooled	LRA 16.5		
		Input (w)		318	368	417	465	513	560	607	654				
Amps	1.85	2.02		2.2	2.4	2.61	2.84	3.09	3.35						
GPT18RA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	18.0	Capacity (w)	45.0	-	-	778	987	1233	1517	1839	2197	Nom. HP 1/2	MCC 5.5	400mls ISO VG 32 Ester	12.7kg
		Input (w)		-	-	455	504	554	607	660	715				
		Amps		-	-	2.48	2.67	2.88	3.09	3.33	3.57				
		Capacity (w)	50.0	-	-	729	925	1157	1427	1735	2081	220-240v 1Ø-50Hz	RLA 3.7		
		Input (w)		-	-	467	520	574	630	688	747				
		Amps		-	-	2.52	2.73	2.96	3.2	3.45	3.72				
		Capacity (w)	55.0	-	-	679	861	1080	1337	1632	1964	CSR Fan Cooled	LRA 23.0		
		Input (w)		-	-	479	536	594	654	715	778				
Amps	-	-		2.57	2.8	3.04	3.3	3.57	3.86						
GX23TB Standard Suction/Service stub tube: 9.7mm Discharge stub tube: 6.5mm Service/Suction stub tube: 9.7mm	23.2	Capacity (w)	45.0	499	678	897	1155	1454	1792	2170	2589	Nom. HP 5/8	MCC 8.5	500mls ISO VG 32 Ester	16.4kg
		Input (w)		440	501	563	627	692	758	826	896				
		Amps		3.9	4.1	4.32	4.54	4.78	5.03	5.3	5.58				
		Capacity (w)	50.0	452	616	821	1065	1349	1674	2036	2441	220-240v 1Ø-50Hz	RLA 5.8		
		Input (w)		440	508	577	648	721	794	870	947				
		Amps		3.9	4.13	4.37	4.62	4.89	5.17	5.47	5.79				
		Capacity (w)	55.0	405	555	744	975	1244	1554	1904	2293	CSIR Fan Cooled	LRA 29.0		
		Input (w)		440	515	592	670	750	831	913	997				
Amps	3.9	4.15		4.42	4.7	5.0	5.31	5.65	6.0						

Note: **MCC** = Maximum Continuous Current / **RLA** = Rated Load Amps (nominal) / **LRA** = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R134A - Medium Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +46°C Liquid temp & +35°C Suction gas								Motor Info	Amps	Oil charge	Weight
				Evaporating Temperature °C											
				-25	-20	-15	-10	-5	0	5	10				
GS26TB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	25.9	Capacity (w)	45.0	445	707	1014	1367	1764	2206	2695	3227	Nom. HP 3/4	MCC 8.7	700mls ISO VG 32 Ester	22.3kg
		Input (w)		410	494	575	655	732	806	879	949				
		Amps		4.15	4.37	4.6	4.85	5.11	5.38	5.66	5.95				
		Capacity (w)	50.0	369	608	893	1225	1600	2020	2486	2998	220-240v 1Ø-50Hz	6.3		
		Input (w)		400	495	587	677	765	851	934	1015				
		Amps		4.12	4.37	4.64	4.92	5.23	5.55	5.89	6.23				
		Capacity (w)	55.0	291	509	772	1082	1435	1835	2279	2768	CSIR Fan Cooled	LRA 32.0		
		Input (w)		390	496	599	700	799	895	989	1081				
		Amps		4.1	4.37	4.67	5.0	5.35	5.73	6.12	6.53				
GS30TB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	29.9	Capacity (w)	45.0	534	840	1201	1618	2092	2621	3205	3849	Nom. HP 7/8	MCC 8.8	700mls ISO VG 32 Ester	22.3kg
		Input (w)		443	561	670	796	859	939	1010	1071				
		Amps		2.62	3.06	3.5	3.92	4.32	4.7	5.04	5.35				
		Capacity (w)	50.0	442	721	1057	1448	1896	2400	2960	3576	220-240v 1Ø-50Hz	5.5		
		Input (w)		412	539	658	766	866	956	1037	1108				
		Amps		2.51	2.98	3.45	3.91	4.36	4.78	5.18	5.54				
		Capacity (w)	55.0	349	602	912	1278	1700	2178	2713	3303	CSR Fan Cooled	LRA 29.0		
		Input (w)		380	517	645	764	873	973	1063	1144				
		Amps		2.4	2.9	3.4	3.9	4.39	4.86	5.31	5.73				
GS34TB-V Standard Suction Valve 5/8" SAE flare Discharge stub tube: 8.0mm Service stub tube: 9.7mm	34.4	Capacity (w)	45.0	756	1078	1456	1889	2377	2920	3519	4173	Nom. HP 1.0	MCC 9.6	700mls ISO VG 32 Ester	20.9kg
		Input (w)		540	649	752	850	943	1030	1112	1189				
		Amps		3.28	3.78	4.25	4.68	5.09	5.46	5.81	6.14				
		Capacity (w)	50.0	640	949	1314	1735	2211	2742	3329	3969	220-240v 1Ø-50Hz	6.6		
		Input (w)		520	644	762	875	983	1085	1182	1274				
		Amps		3.19	3.76	4.29	4.79	5.26	5.7	6.11	6.49				
		Capacity (w)	55.0	523	821	1173	1582	2045	2563	3138	3767	CSR Fan Cooled	LRA 37.0		
		Input (w)		500	639	772	900	1023	1140	1252	1359				
		Amps		3.1	3.74	4.33	4.9	5.43	5.93	6.4	6.84				

Note: **MCC** = Maximum Continuous Current / **RLA** = Rated Load Amps (nominal) / **LRA** = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R134A - Medium Temperature Compressors Technical Information

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY45RAB	E1	D8	16.5	20.8	102660	47-56 uF 330v	102253	4 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.2108 (BDG 108S)+NTC 15Ω			405957	PROTECTOR 9-503, ELECTRICA T0068-L6			102167

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY60RAB (to be replaced by the GUY60YRAB)	E1	D3	12.45	23.05	102660	47-56 uF 330v	102253	4 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1118 (BDG 118S)+NTC 15Ω			405145	PROTECTOR 9-559, ELECTRICA T0069-L6			102206

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GUY60RAB (to replace the GLY60YRAB)	E1	D4	13.15	37.21	102660	47-56 uF 330v	102254	5 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 REL.41118 (BDG 118S)+NTC 15Ω			405145	PROTECTOR 567, ELECTRICA T0304-L6			102218

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY80RAB	E1	D3	8.55	18.4	102661	47-56 uF 330v	102254	5 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1127 (BDG 127S)+NTC 15Ω			405146	PROTECTOR 9-561, ELECTRICA T0289-L6			102208

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY90RAB	E1	D10	8.31	18.9	102661	47-56 uF 330v	102254	5 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1135 (BDG 135S)+NTC 15Ω			405147	PROTECTOR 9-520, ELECTRICA T0137-L6			102180

CUBIGEL HERMETIC COMPRESSORS

R134A - Medium Temperature Compressors Technical Information (cont'd)

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPY12RAB	E1	D12	5.3	16.75	102661	47-56 uF 330v	102255	6 uF 400v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1149 (BDG 149S)+NTC 15Ω			405149	PROTECTOR 9-552, ELECTRICA T0269-L6			102199

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPY14RAB	E1	D12	4.68	10.5	102664	64-77 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1149 (BDG 149S)+NTC 15Ω			405149	PROTECTOR 9-556, ELECTRICA T0267-L6			102203

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPY16RAB	E1	D12	3.93	10.7	102664	64-77 uF 330v	102655	10 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1166 (BDG 166S)+NTC 15Ω			405151	PROTECTOR 9-554, ELECTRICA T0252-L6			102201

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPT18RA	E1	D12	3.72	7.09	102661	47-56 uF 330v	103005	12 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1166 (BDG 166S)+NTC 15Ω			405151	PROTECTOR 9-554, ELECTRICA T0252-L6			102201

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GX23TB	E3	D13	2.7	15.5	102665	72-88 uF 330v	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REGL.ECC2 R.1180-8 (BDG 180S)			405181	PROTECTOR 9-562, ELECTRICA T0260-L6			102209

CUBIGEL HERMETIC COMPRESSORS

R134A - Medium Temperature Compressors Technical Information (cont'd)

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GS26TB-V	E4	D15	2.39	16.0	100690	88-108 uF 330v	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9004, RF.ELECTRI.RVA 2L 3C			100479	PROTECTOR 6-562, ELECTRICA T0260-G2			101405

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GS30TB-V	E2	D16	2.04	8.06	100680	72-88 uF 330v	102083	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9004, RF.ELECTRI.RVA 2L 3C			100479	PROTECTOR 6-543 ELECTRICA T0419-G2			101460

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GS34TB-V	E2	D16	2.24	7.38	102896	108-130 uF 330v	102083	16 uF 420v
	Relay Information			Part No.	Overload Information			Part No.
	RELE TENSION 9004, RF.ELECTRI.RVA 2L 3C			100479	PROTECTOR 6-544, ELECTRICA T0161-G2			101354



CUBIGEL HERMETIC COMPRESSORS

R134A - Low Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +32°C Liquid temp & +32°C Suction gas							Motor Type	Amps	Oil charge	Weight
				Evaporating Temperature °C										
				-35	-30	-25	-23.3	-20	-15	-10				
L22HL Standard Suction/Service stub tube: 6.1mm Discharge stub tube: 5.1mm Service/Suction stub tube: 6.1mm	2.20	Capacity (w)	45.0	26	36	50	55	66	87	112	Nom. HP 1/20 220-240v 1Ø-50Hz	MCC - RLA 0.49	110mls ISO VG 15 Ester	3.7kg
		Input (w)		40	45	51	53	58	66	76				
		Amps		0.48	0.48	0.48	0.48	0.49	0.51	0.54				
		Capacity (w)	50.0	24	33	45	50	62	81	105	RSIR Static Cooling	LRA 1.80		
		Input (w)		42	46	52	54	59	67	77				
		Amps		0.48	0.48	0.48	0.48	0.49	0.51	0.55				
		Capacity (w)	55.0	22	30	42	47	57	76	98				
		Input (w)		44	48	54	56	61	69	78				
Amps	0.48	0.48		0.48	0.49	0.49	0.51	0.55						
L30HL Standard Suction/Service stub tube: 6.1mm Discharge stub tube: 5.1mm Service/Suction stub tube: 6.1mm	3.10	Capacity (w)	45.0	35	50	69	76	92	119	149	Nom. HP 1/12 220-240v 1Ø-50Hz	MCC - RLA 0.6	110mls ISO VG 15 Ester	4.2kg
		Input (w)		60	64	70	72	77	87	98				
		Amps		0.58	0.58	0.59	0.59	0.60	0.62	0.65				
		Capacity (w)	50.0	31	47	64	72	87	113	143	RSIR Static Cooled	LRA 2.6		
		Input (w)		59	64	71	73	79	89	101				
		Amps		0.58	0.58	0.59	0.60	0.60	0.63	0.66				
		Capacity (w)	55.0	28	42	60	67	83	108	137				
		Input (w)		59	64	72	74	81	92	105				
Amps	0.58	0.58		0.59	0.60	0.61	0.63	0.67						
B43H Standard Suction/Service stub tube: 6.1mm Discharge stub tube: 5.1mm Service/Suction stub tube: 6.1mm	4.30	Capacity (w)	45.0	51	73	101	112	134	172	214	Nom. HP 1/7 220-240v 1Ø-50Hz	MCC - RLA 0.85	130mls ISO VG 15 Ester	5.4kg
		Input (w)		85	87	93	96	103	116	133				
		Amps		0.82	0.83	0.84	0.84	0.86	0.88	0.91				
		Capacity (w)	50.0	45	67	94	105	127	163	205	RSIR Fan/Static Cooled	LRA 4.27		
		Input (w)		82	85	93	96	104	119	138				
		Amps		0.81	0.82	0.84	0.85	0.86	0.89	0.92				
		Capacity (w)	55.0	41	62	87	98	119	154	194				
		Input (w)		78	84	93	97	106	122	142				
Amps	0.81	0.82		0.84	0.85	0.86	0.89	0.92						
GLY45AAA High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	4.56	Capacity (w)	45.0	66	91	122	135	160	205	256	Nom. HP 1/8 220-240v 1Ø-50Hz	MCC 1.0 RLA 0.65	215mls ISO VG 32 Ester	8.7kg
		Input (w)		65	75	86	90	98	112	126				
		Amps		0.55	0.59	0.63	0.64	0.67	0.72	0.78				
		Capacity (w)	50.0	62	86	116	128	152	197	247	RSIR Static Cooled	LRA 4.5		
		Input (w)		64	75	87	92	100	114	130				
		Amps		0.55	0.59	0.63	0.64	0.68	0.73	0.80				
		Capacity (w)	55.0	57	80	109	121	145	188	237				
		Input (w)		64	76	88	93	102	117	133				
Amps	0.55	0.59		0.63	0.65	0.68	0.74	0.81						
GLY60AAA High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	5.98	Capacity (w)	45.0	85	121	163	179	214	271	336	Nom. HP 1/6 220-240v 1Ø-50Hz	MCC 1.3 RLA 0.83	215mls ISO VG 32 Ester	8.49kg
		Input (w)		82	98	114	119	130	147	163				
		Amps		0.74	0.77	0.81	0.82	0.86	0.93	1.00				
		Capacity (w)	50.0	78	113	155	171	205	261	326	RSIR Static Cooled	LRA 5.0		
		Input (w)		79	97	114	120	132	150	168				
		Amps		0.73	0.76	0.81	0.83	0.87	0.94	1.03				
		Capacity (w)	55.0	71	105	147	162	194	250	314				
		Input (w)		77	96	115	121	134	153	172				
Amps	0.73	0.76		0.81	0.83	0.87	0.95	1.05						

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R134A - Low Temperature Compressors

Airefrig Part Number	Displ cm³	Operating Conditions *ASHRAE	Cond Temp °C	*Based on +32°C Liquid temp & +32°C Suction gas							Motor Type	Amps	Oil charge	Weight
				Evaporating Temperature °C										
				-35	-30	-25	-23.3	-20	-15	-10				
GLY80AAA High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	8.10	Capacity (w)	45.0	137	176	226	247	290	365	455	Nom. HP 1/5 220-240v 1Ø-50Hz RSIR Static Cooled	MCC 1.7 RLA 1.12 LRA 9.5	400mls ISO VG 32 Ester	9.51kg
		Input (w)		112	131	151	158	173	196	221				
		Amps		0.94	1.01	1.08	1.11	1.16	1.25	1.34				
		Capacity (w)	50.0	124	163	214	234	278	354	442				
		Input (w)		109	130	152	160	176	201	227				
		Amps		0.93	1.00	1.08	1.11	1.17	1.26	1.36				
		Capacity (w)	55.0	113	151	202	222	265	342	430				
		Input (w)		107	130	154	162	179	206	234				
Amps	0.92	1.00		1.09	1.12	1.18	1.28	1.39						
GLY90AAA High Efficiency Suction/Service stub tube: 6.5mm Discharge stub tube: 4.9mm Service/Suction stub tube: 6.5mm	9.09	Capacity (w)	45.0	145	191	249	272	320	404	501	Nom. HP 1/4 220-240v 1Ø-50Hz RSIR Static Cooled	MCC 1.7 RLA 1.24 LRA 14.5	300mls ISO VG 32 Ester	9.43kg
		Input (w)		125	148	172	180	197	223	250				
		Amps		1.07	1.13	1.20	1.23	1.29	1.39	1.51				
		Capacity (w)	50.0	137	181	240	262	309	393	488				
		Input (w)		124	148	173	182	199	226	255				
		Amps		1.06	1.13	1.21	1.23	1.30	1.40	1.53				
		Capacity (w)	55.0	128	172	229	251	299	381	477				
		Input (w)		123	148	174	183	201	229	259				
Amps	1.06	1.13		1.21	1.24	1.31	1.42	1.55						
GPY12AAA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	12.1	Capacity (w)	45.0	172	237	317	349	413	522	648	Nom. HP 3/8 220-240v 1Ø-50Hz RSIR Static Cooled	MCC 2.3 RLA 1.7 LRA 16.0	400mls ISO VG 32 Ester	12.1kg
		Input (w)		179	211	244	256	279	315	353				
		Amps		1.40	1.51	1.62	1.67	1.75	1.90	2.06				
		Capacity (w)	50.0	165	228	307	337	400	508	632				
		Input (w)		179	213	248	260	285	323	363				
		Amps		1.40	1.51	1.64	1.68	1.78	1.93	2.10				
		Capacity (w)	55.0	157	219	297	326	388	494	616				
		Input (w)		178	214	252	265	291	332	374				
Amps	1.40	1.52		1.65	1.70	1.80	1.97	2.15						
GPY14NGA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	14.32	Capacity (w)	45.0	200	272	370	408	491	637	807	Nom. HP 1/3 220-240v 1Ø-50Hz CSIR Fan Cooled	MCC 4.4 RLA 2.57 LRA 19.0	400mls ISO VG 32 Ester	12.6kg
		Input (w)		232	262	296	308	332	372	415				
		Amps		2.37	2.43	2.51	2.53	2.60	2.71	2.84				
		Capacity (w)	50.0	190	263	359	398	480	626	795				
		Input (w)		232	265	302	315	341	384	430				
		Amps		2.37	2.44	2.52	2.55	2.62	2.74	2.89				
		Capacity (w)	55.0	180	252	349	387	470	615	784				
		Input (w)		232	268	308	322	351	396	445				
Amps	2.37	2.44		2.53	2.57	2.65	2.78	2.94						
GPY16LAA High Efficiency Suction/Service stub tube: 8.1mm Discharge stub tube: 6.5mm Service/Suction stub tube: 8.1mm	16.15	Capacity (w)	45.0	205	294	406	449	541	699	879	Nom. HP 3/8 220-240v 1Ø-50Hz CSIR Fan Cooled	MCC 3.0 RLA 2.21 LRA 18.0	400mls ISO VG 32 Ester	11.7kg
		Input (w)		211	245	284	299	330	382	439				
		Amps		1.89	1.98	2.10	2.15	2.25	2.43	2.65				
		Capacity (w)	50.0	195	283	392	434	523	679	857				
		Input (w)		211	249	292	309	342	397	459				
		Amps		1.89	1.99	2.13	2.18	2.29	2.49	2.73				
		Capacity (w)	55.0	186	270	377	419	507	659	835				
		Input (w)		212	253	301	318	354	413	478				
Amps	1.89	2.01		2.15	2.21	2.33	2.55	2.81						

Note: MCC = Maximum Continuous Current / RLA = Rated Load Amps (nominal) / LRA = Locked Rotor Amps

CUBIGEL HERMETIC COMPRESSORS

R134A - Low Temperature Compressors Technical Information

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
L22HL	E6	D1	65.00	16.80	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	RELAY PTC QP2-22			103503	PROTECTOR DRB10K61A1			103831

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
L30HL	E6	D2	33.0	16.9	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	RELAY PTC QP2-22			103503	PROTECTOR DRB15N61A1			103513

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
B43H	E6	D3	26.5	9.40	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	RELAY PTC QP2-22			103503	PROTECTOR DRB15N61A1			103831

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY45AAA	E5	D5	25.25	24.10	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	C.REGLI.K100 DA STAND.6,3 FRONT.BENT 6,3			102243	PROTECTOR 633, ELECTRICA T0462-L6			102287

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY60AAA	E5	D5	21.69	25.00	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	C.REGLI.K100 DA STAND.6,3 FRONT.BENT 6,3			102243	PROTECTOR 836, BDG AE15BU6			101363

CUBIGEL HERMETIC COMPRESSORS

R134A - Low Temperature Compressors Technical Information (cont'd)

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY80AAA	E5	D6	11.00	15.60	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	C.REGLI.K100 DA STAND.6,3 FRONT.BENT 6,3			102243	PROTECTOR 9-644, ELECTRICA T0490-L6			102293

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GLY90AAA	E5	D6	11.36	15.70	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	C.REGLI.K100 DA STAND.6,3 FRONT.BENT 6,3			102243	PROTECTOR 9-662, ELECTRICA T0377-L6			102307

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPY12AAA	E5	D7	6.25	15.40	n/a	n/a	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	C.REGLI.K100 DA STAND.6,3 FRONT.BENT 6,3			102243	PROTECTOR 9-662, ELECTRICA T0377-L6			102307

Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPY14NGA	E3	D12 (less run cap)	3.70	11.80	102665	72-88 uF 330v	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REG.ECC2 REL.1158 (BDG 158S)			405178	PROTECTOR 9-558, ELECTRICA T0266-L6			102205

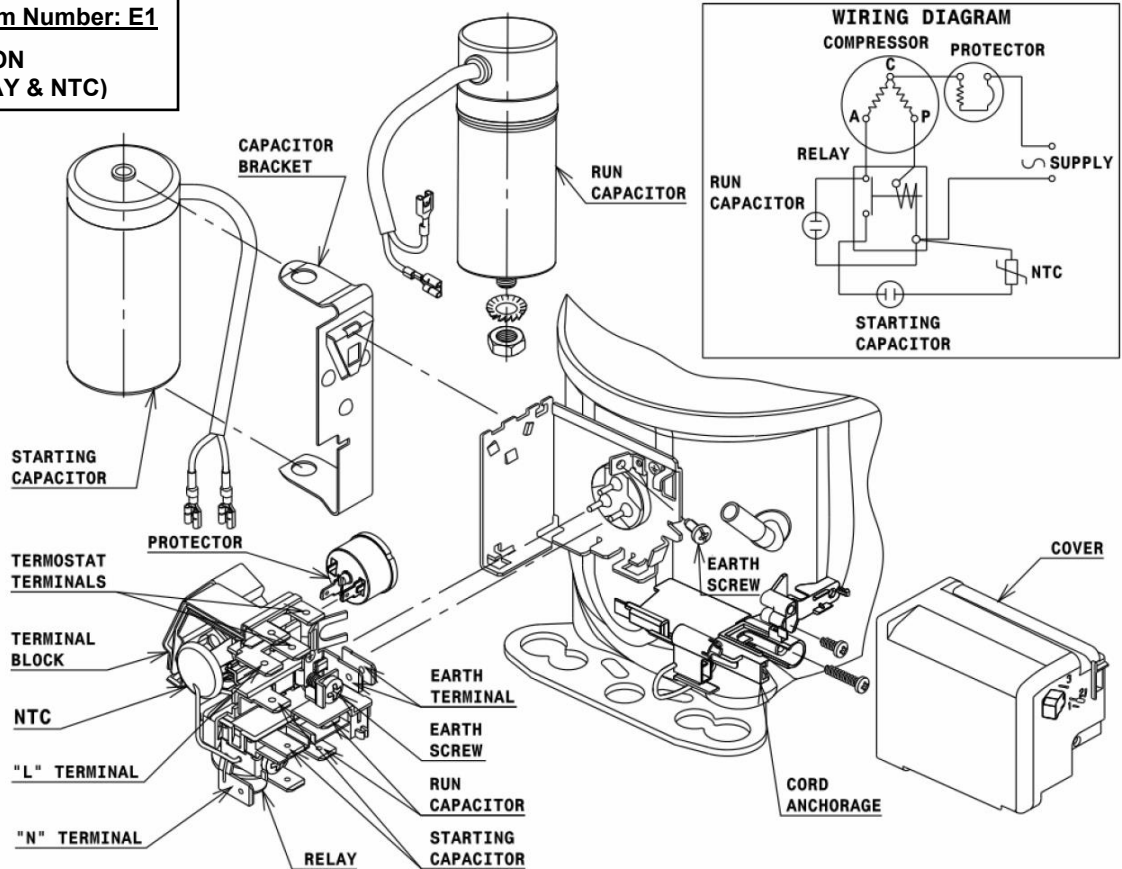
Compressor Model	Electrical Diagram	Dimensions Diagram	Winding Resistance @ 25 °C (Ω Ohms)		Start Capacitor		Run Capacitor	
			Main Ω	Start Ω	Part No.	uF / Volts	Part No.	uF / Volts
GPY16LAA	E3	D12 (less run cap)	5.69	11.60	102661	47-56 uF 330v	n/a	n/a
	Relay Information			Part No.	Overload Information			Part No.
	CJT.REG.ECC2 REL.1145 (BDG 145S)			405176	PROTECTOR 9-520, ELECTRICA T0137-L6			102180

CUBIGEL HERMETIC COMPRESSORS

Compressor CSR Wiring Diagrams

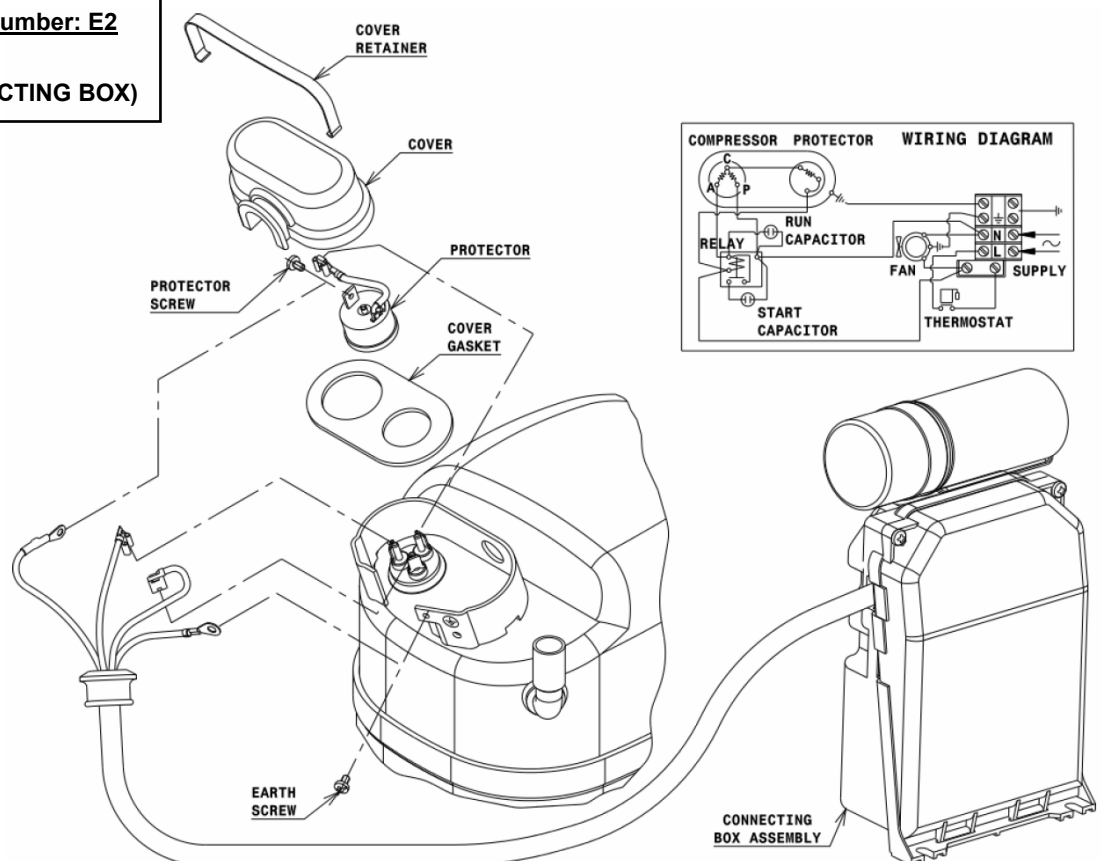
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CSR CONNECTION (CURRENT RELAY & NTC)



Electrical Diagram Number: E2

CSR CONNECTION (EXTERNAL CONNECTING BOX)

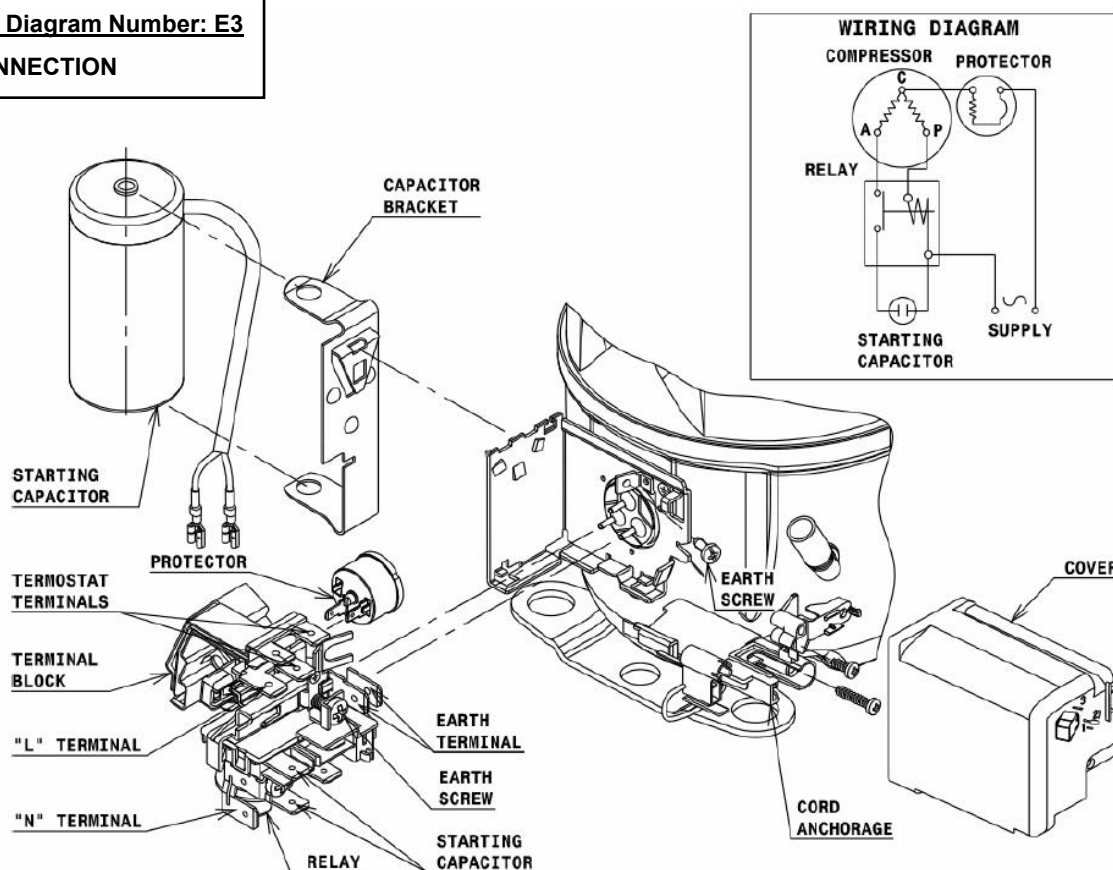


CUBIGEL HERMETIC COMPRESSORS

Compressor CSIR Wiring Diagrams (cont'd)

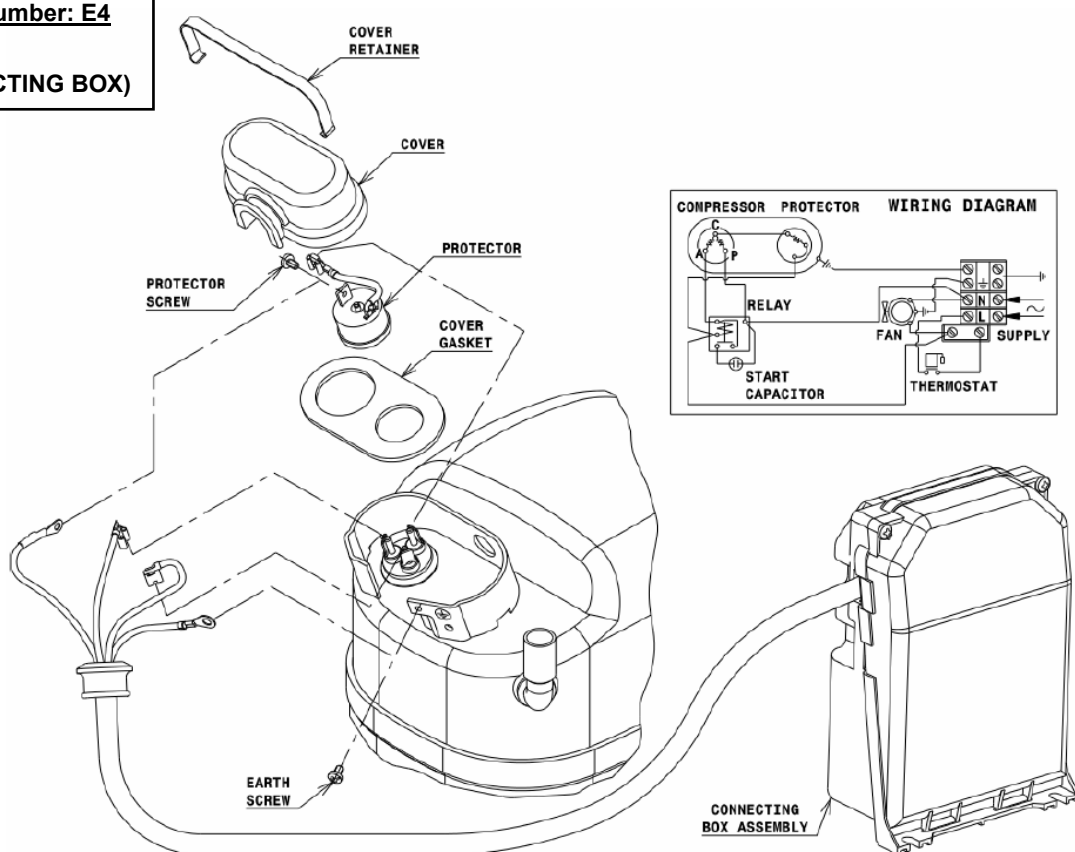
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CSIR CONNECTION



Electrical Diagram Number: E4

CSIR CONNECTION (EXTERNAL CONNECTING BOX)

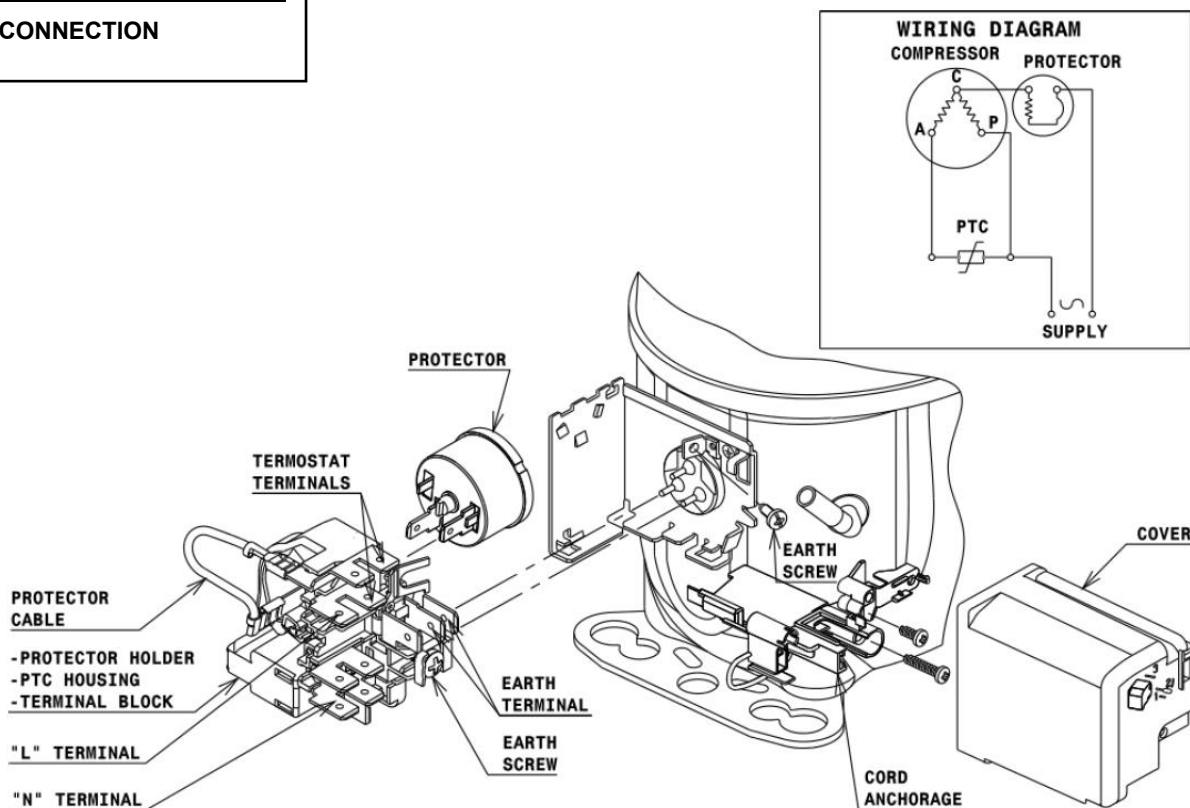


CUBIGEL HERMETIC COMPRESSORS

Compressor RSIR Wiring Diagrams (cont'd)

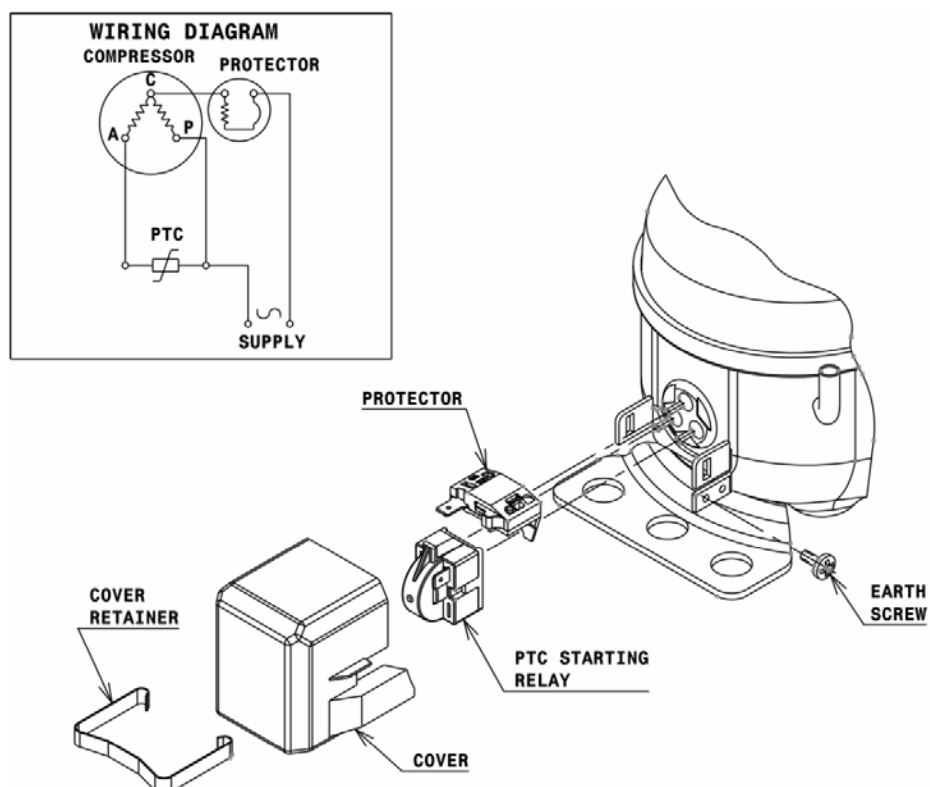
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RSIR CONNECTION
(PTC)



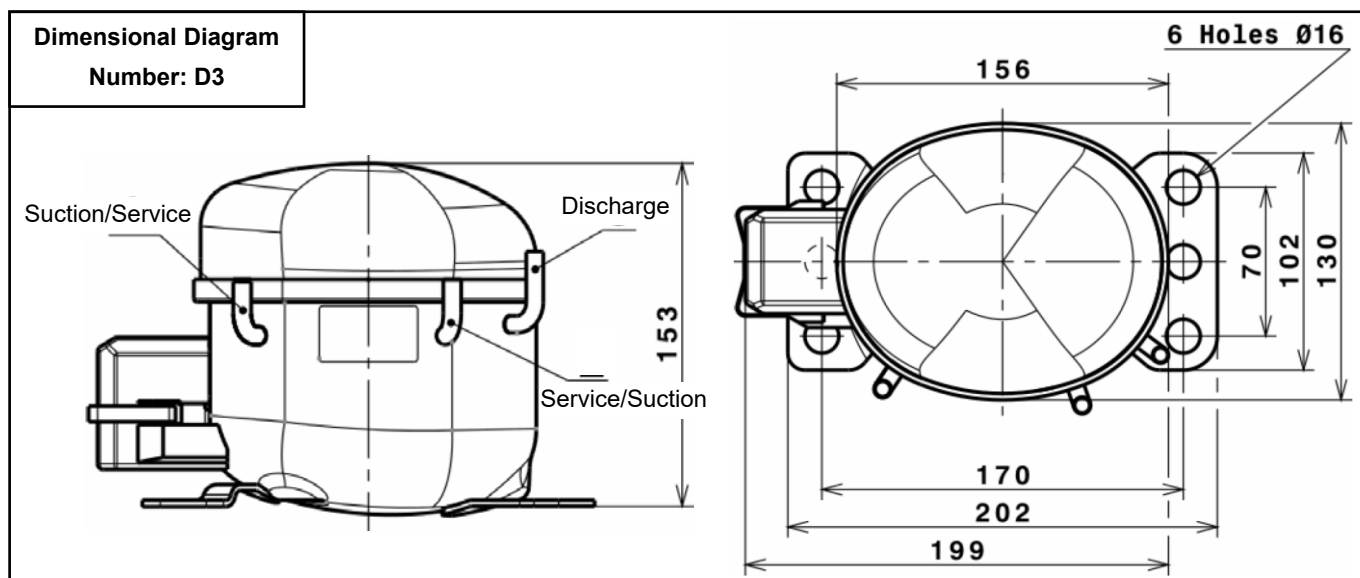
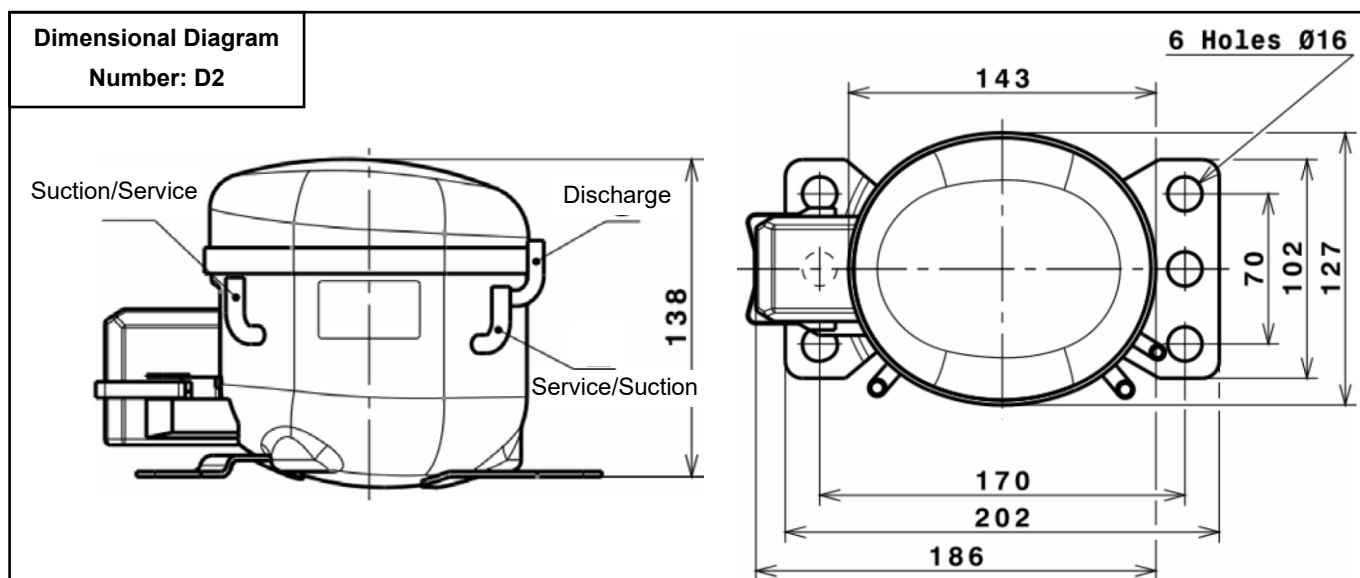
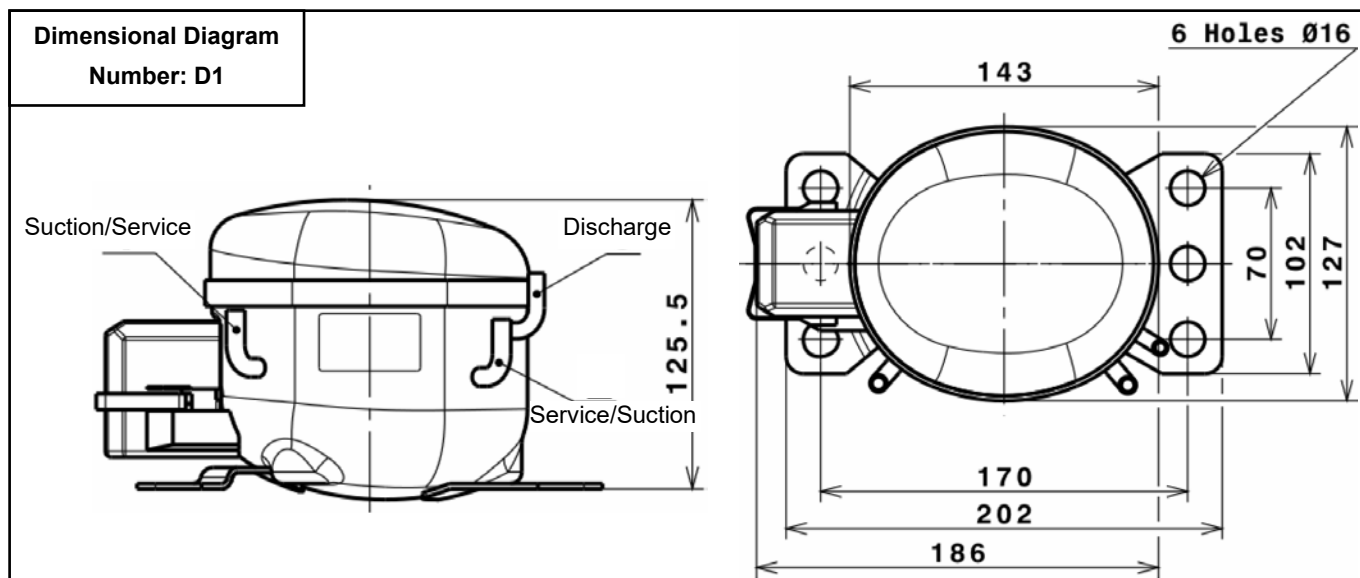
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RSIR CONNECTION
(PTC)



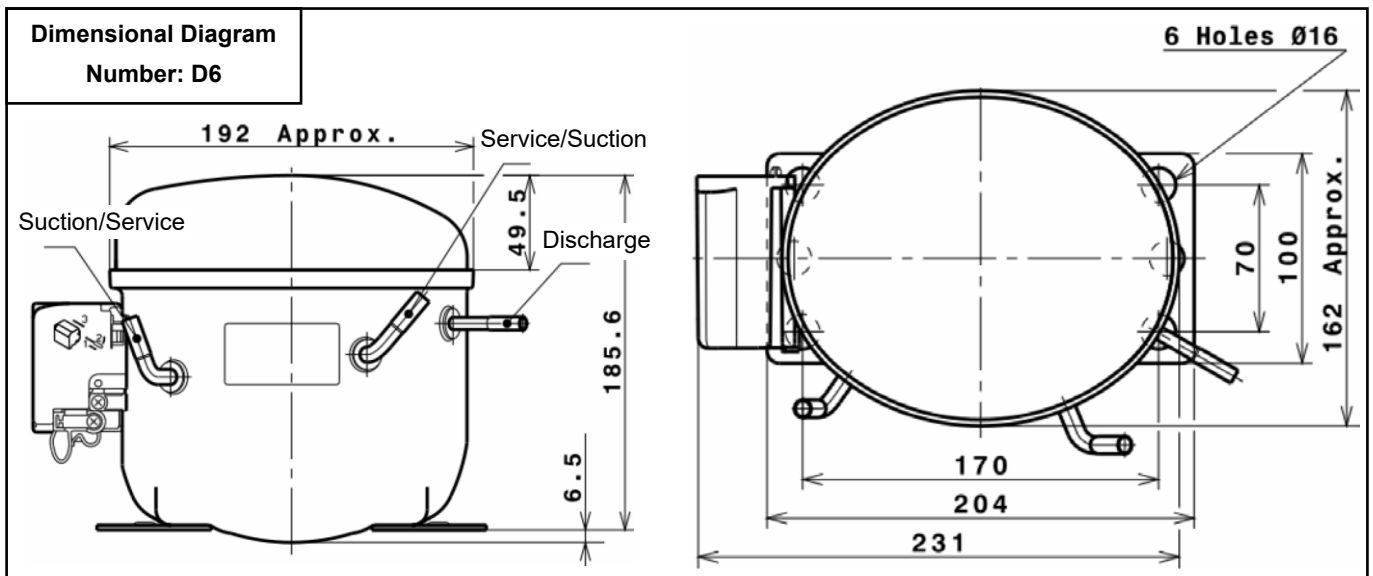
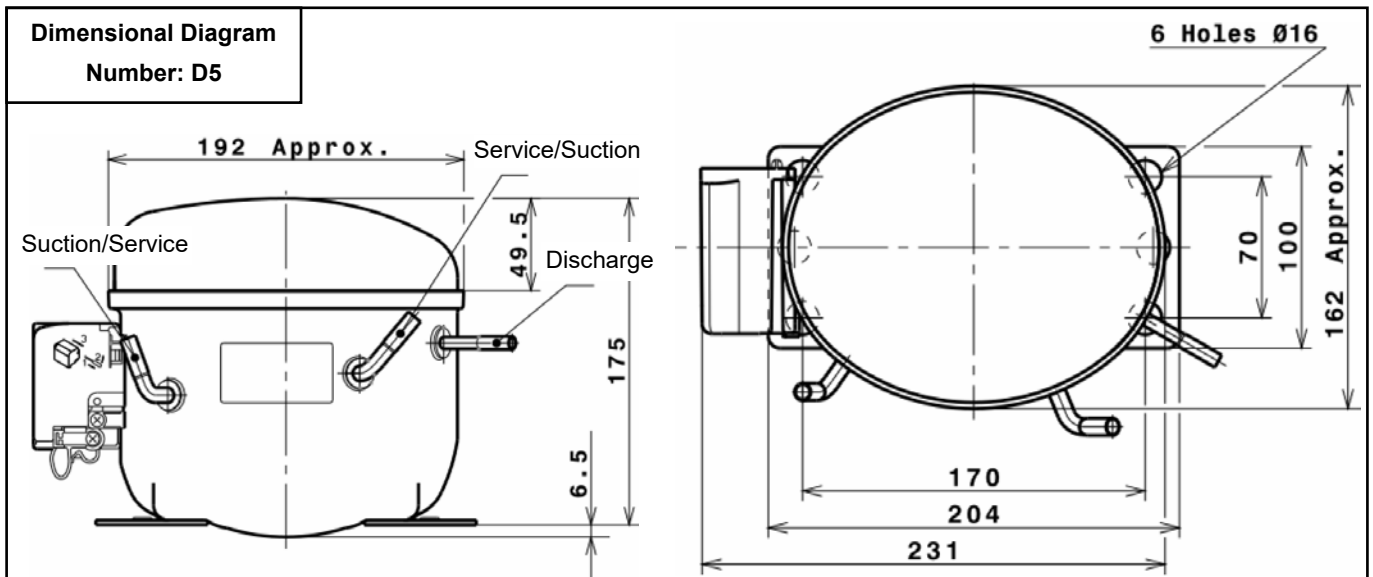
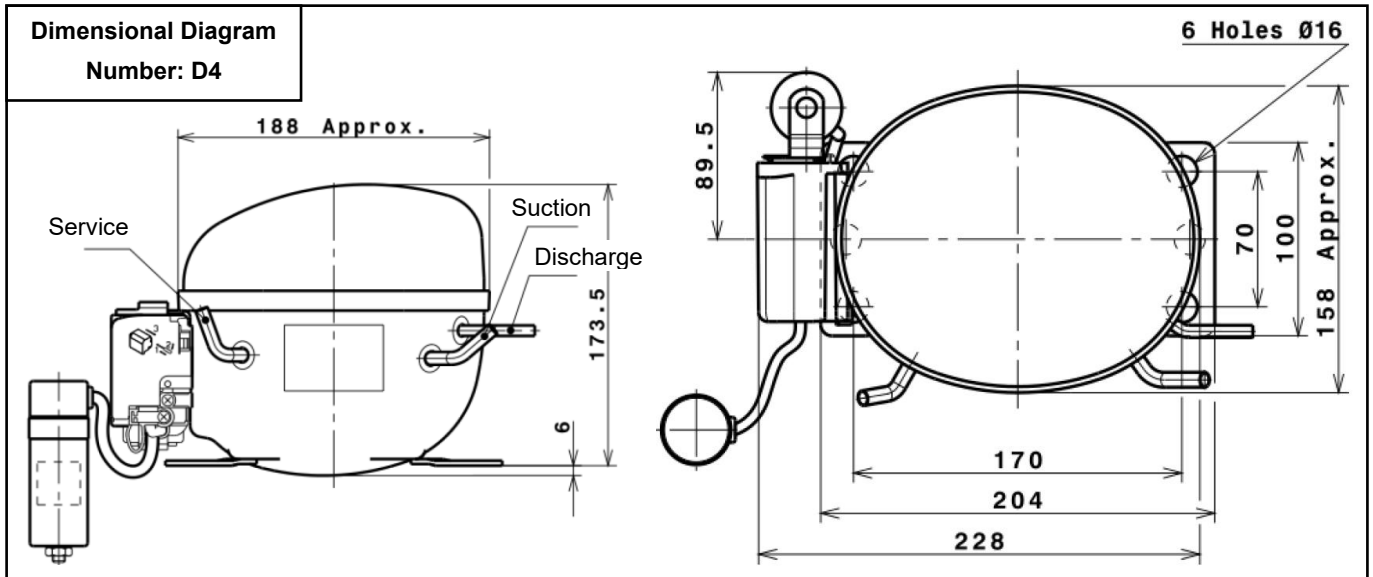
CUBIGEL HERMETIC COMPRESSORS

Compressor Dimensions



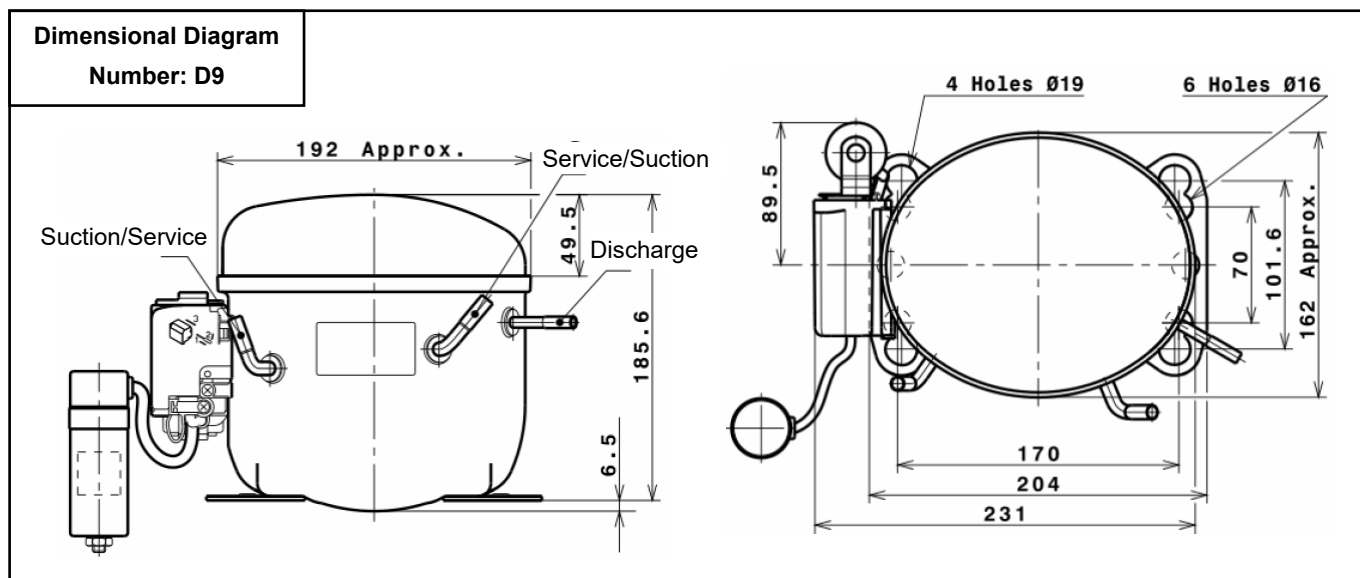
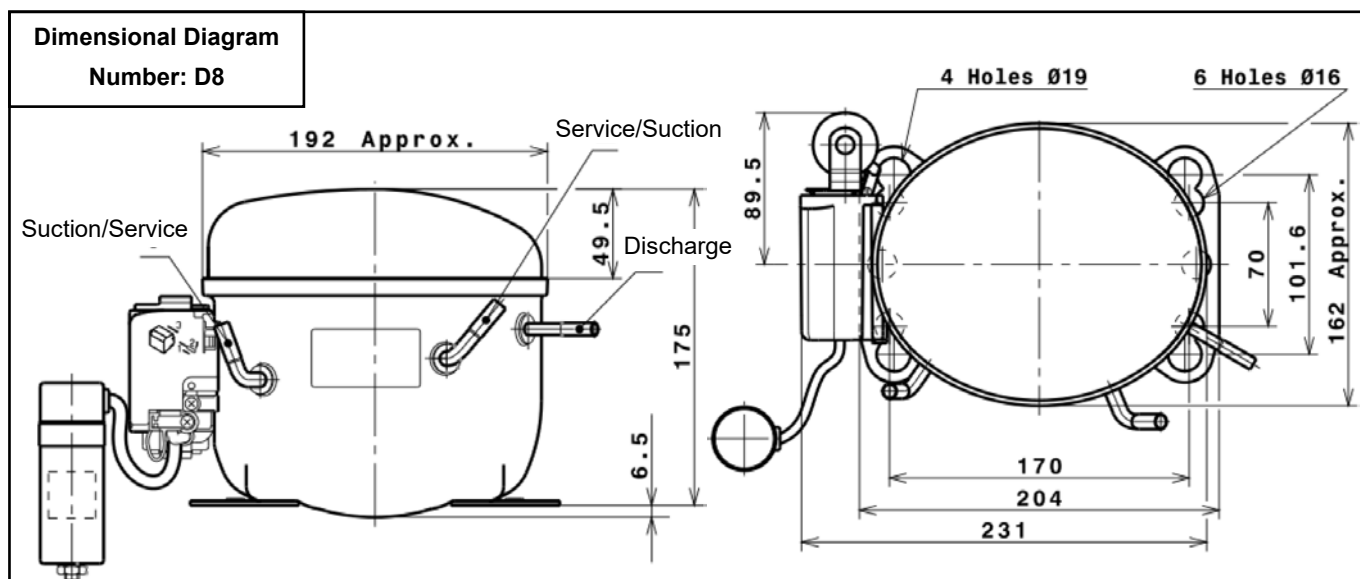
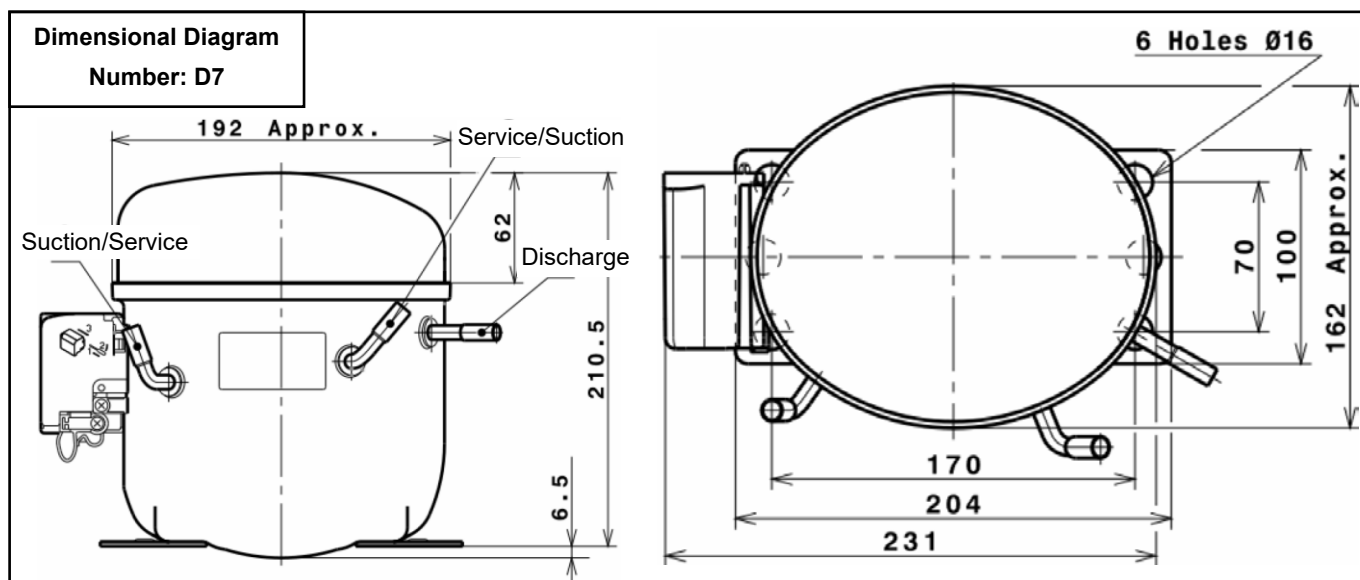
CUBIGEL HERMETIC COMPRESSORS

Compressor Dimensions (cont'd)



CUBIGEL HERMETIC COMPRESSORS

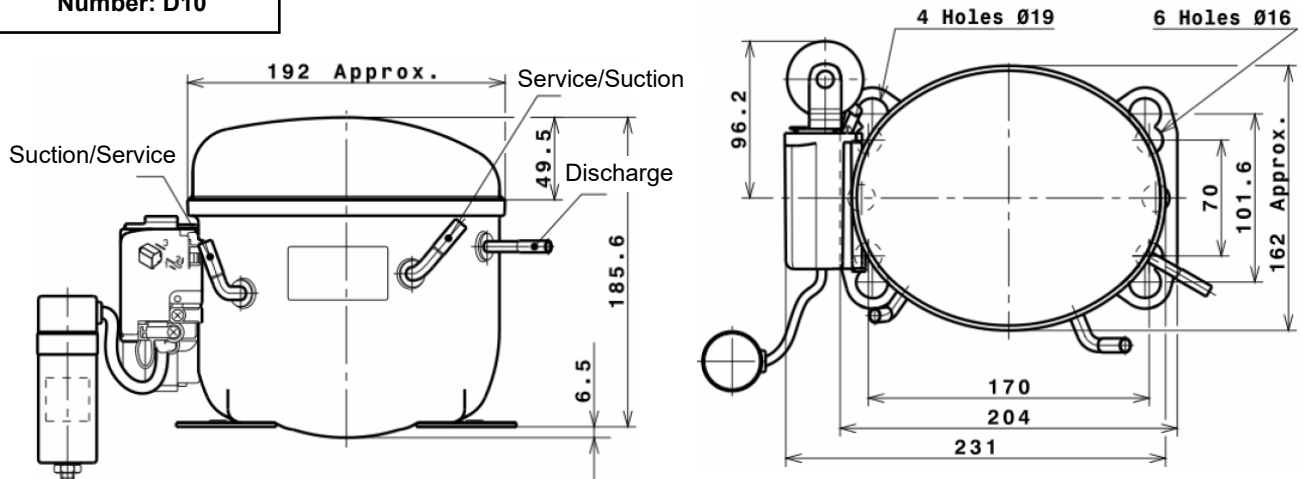
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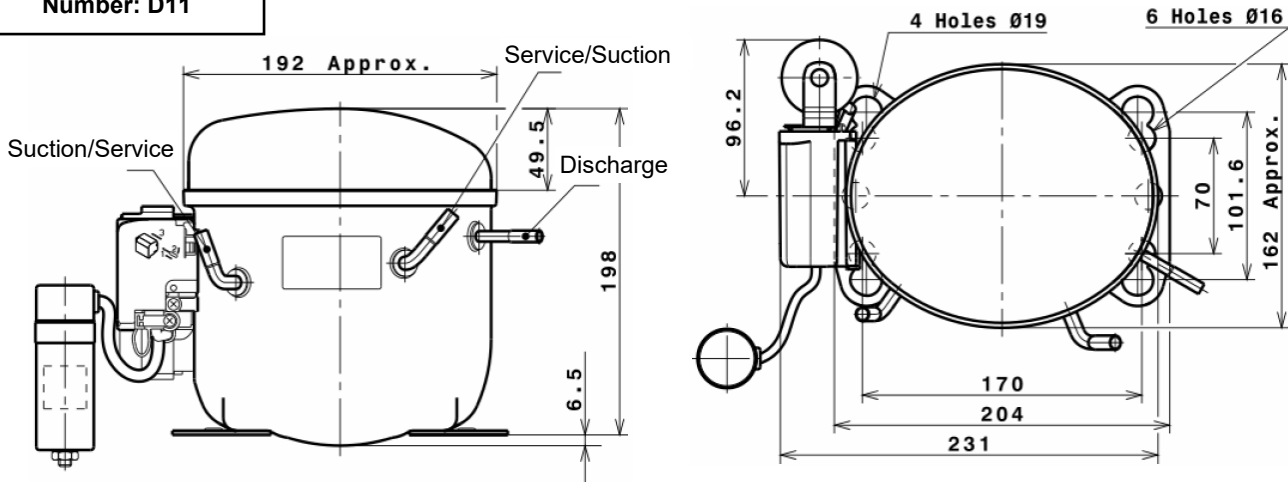
CUBIGEL HERMETIC COMPRESSORS

Compressor Dimensions (cont'd)

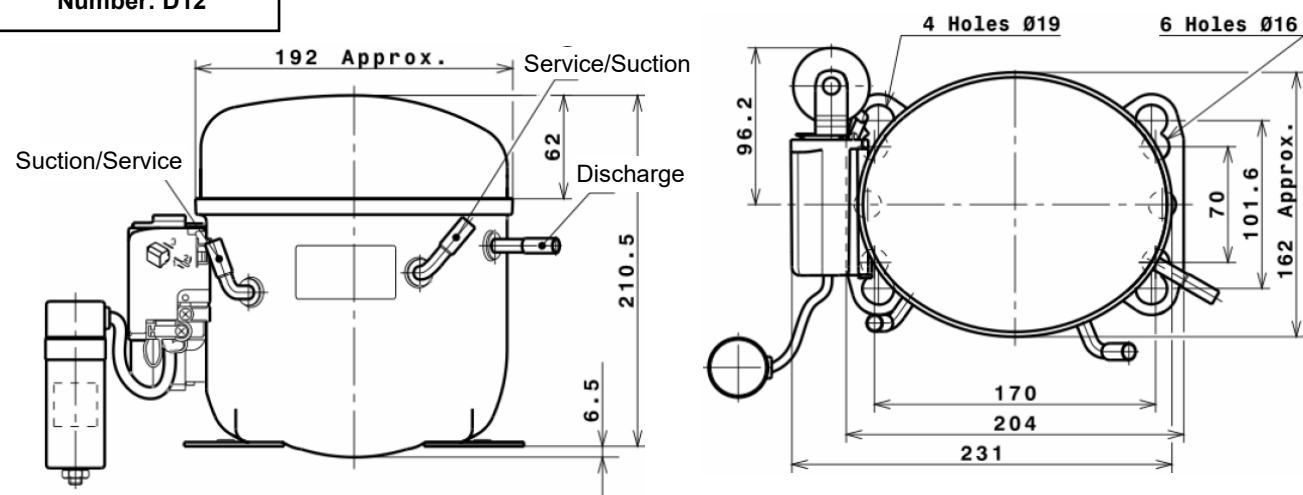
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**Dimensional Diagram
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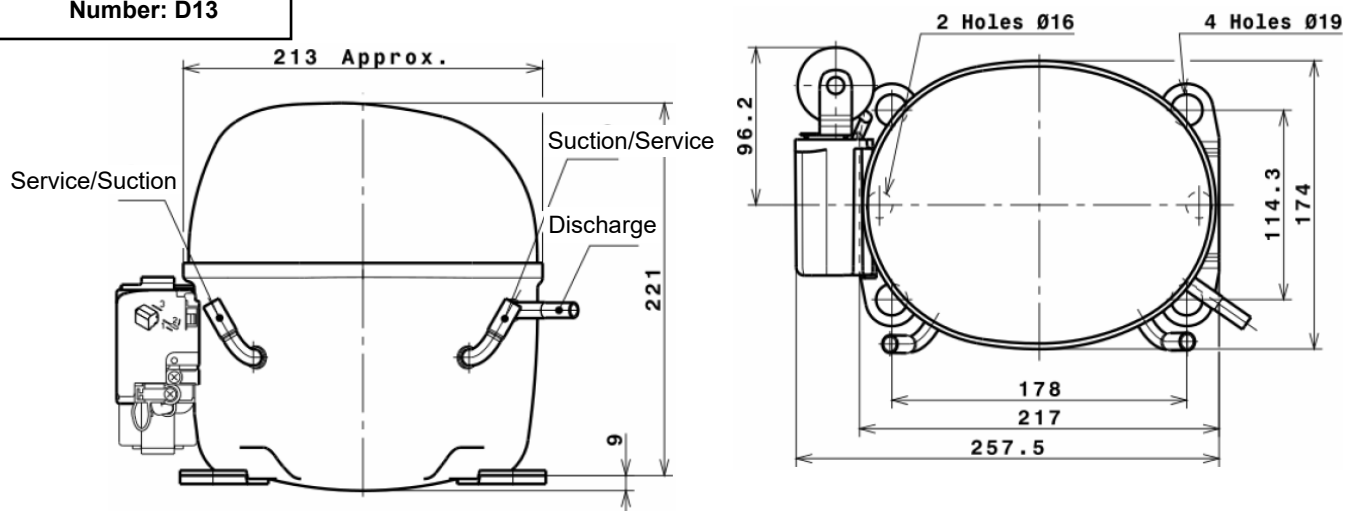
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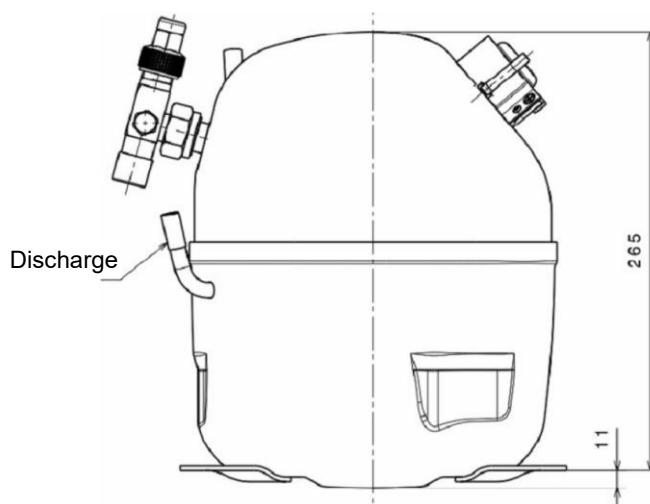
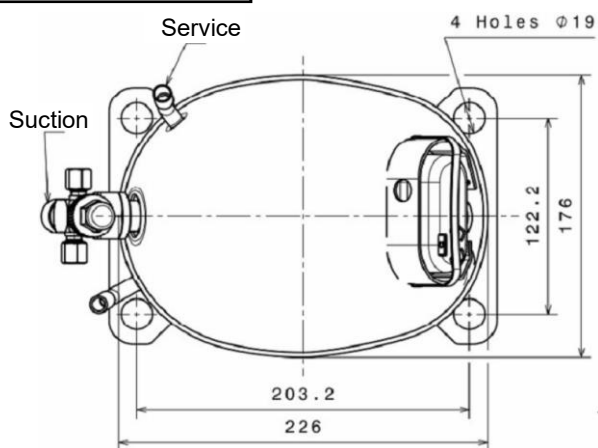
CUBIGEL HERMETIC COMPRESSORS

Compressor Dimensions (cont'd)

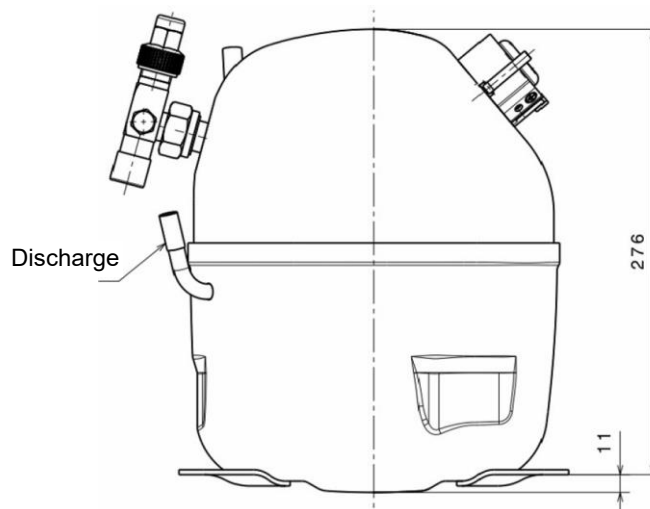
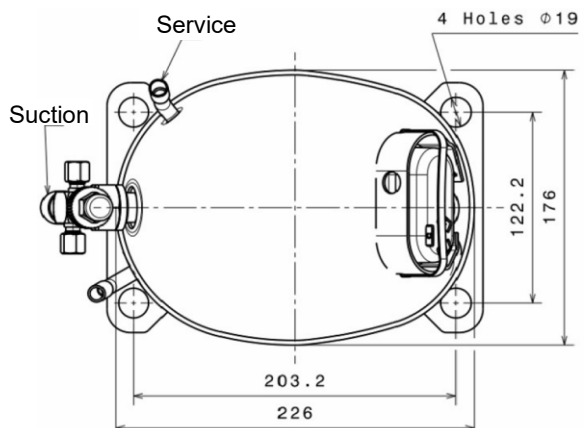
**Dimensional Diagram
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**Dimensional Diagram
Number: D15**



**Dimensional Diagram
Number: D16**



CUBIGEL HERMETIC COMPRESSORS

Compressor Dimensions (cont'd)

