

Dorin Innovation Semi-Hermetic Motor Compressors





Front Cover - Elite Cyclists

The heart is one of the most vital organs in the human body and beats on average 75-80 beats per minute or about 2.52 billion times over the course of 70 years. With a healthy lifestyle, good care and exercise, it will sustain us to a ripe old age.

The compressor in your refrigeration system is just like the human heart. A 4 cylinder semi-hermetic compressor reaches 2.52 billion strokes in about 8 months and will exceed 56 billion strokes over its average life expectancy. Selecting a good quality compressor, such as a **Dorin Semi-Hermetic** and maintaining regular servicing will deliver optimum performance and efficiency over the life of the refrigeration system.

Dorin Innovation Semi-Hermetic Motor Compressors

The compressors included in this catalogue are those supported in Australia and New Zealand by Heatcraft.

The range covers displacements from 2,89 to 221.75 m³/h and nominal capacities from 0,5 to 80 hp.

Characteristics

- high C.O.P. values, thanks to fluidodynamic optimisation of the internal vanes shape, to high efficiency motors and high tech components
- suitable for all the main refrigerants available, e.g. R404A, R134a, R407C, R507
- very low noise level
- low vibrations, thanks to an optimised mass balance
- low gas pulsation
- available on request for frequency variations
- standard electrical box IP65

Dorin's manufacturing system is certified according to Directive EN ISO9001.

On request, we are able to supply compressors complying with UL requirements.

Additional models including OEM's and specials are available.

Dorin also offers:

- CO₂ Compressors
- ATEX Compressors for R290A and R1270 as well as all HFC's
- R410A Compressors (in prototype testing now)
- Open Drive Compressors including Ammonia
- Two Stage Compressors



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Semi-Hermetic Motor Compressors

Complete Range – Weight and Valves

RANGE	MODEL	DISPLACEMENT	APPLICATION RANGE		OIL CHANGE	SUCTION	DISCHARGE	NET WEIGHT
		m ³ /h	R404A/R507 R407C	R134a	(Kg)	SL (mm)	DL (mm)	(Kg)
H1	H40CC	2.89	H	H	1.0	12s	12s	35
	H75CC	3.86	H	H	1.0	12s	12s	36
	H100CC	5.30	H	H	1.0	16s	12s	37
	H150CC	6.75	H	H	1.0	16s	12s	38
	H180CC	7.71	H	H	1.0	16s	12s	39
	H200CC	8.47	H	H	1.0	16s	12s	40
	H220CC	9.88	H	H	1.0	18s	16s	41
	H280CC	12.17	H	H	1.0	18s	16s	43
H2	H300CC	14.74	H	H	1.4	22s	16s	54
	H350CC	15.94	H	H	1.4	28s	16s	54
	H380CC	17.53	H	H	1.4	28s	16s	56
H32	H403CC	19.98	H	H	2.0	28s	16s	75
	H503CC	22.83	H	H	2.0	28s	16s	79
H35	H551CC	23.13	H	H	2.0	28s	16s	91
	H551CS	27.33	M	H	2.0	28s	22s	91
	H701CC	27.33	H	H	2.0	28s	22s	92
	H701CS	31.88	M	H	2.0	28s	22s	92
	H751CC	31.88	H	H	2.0	28s	22s	94
	H751CS	38.06	M	H	2.0	35s	28s	92
H41	H851CS	42.81	M	H	2.5	35s	28s	100
	H1001CC	42.81	H	H	2.5	35s	28s	117
	H1001CS	48.82	M	H	2.5	35s	28s	127
	H1501CC	48.82	H	H	2.5	42s	28s	128
	H1501CS	56.87	M	H	2.5	35s	28s	132
	H2001CC	56.87	H	H	2.5	42s	28s	137
	H1601CS	63.76	M	H	2.5	42s	28s	133
	H2201CC	63.76	H	H	2.5	42s	28s	135
H5	H2000CS	75.83	M	H	3.5	42s	42s	180
	H2500CC	75.83	H	H	3.5	42s	42s	190
	H2500CS	85.01	M	H	3.5	54s	54s	190
	H3000CC	85.01	H	H	3.5	54s	54s	195
H6	H3000CS	113.74	M	H	4.0	54s	54s	225
	H3500CC	113.74	H	H	4.0	54s	54s	228
	H3500CS	127.52	M	H	4.0	54s	54s	225
	H4000CC	127.52	H	H	4.0	54s	54s	240
	H4500CS	153.52	M	H	4.0	54s	54s	246
	H5000CC	153.52	H	H	4.0	54s	54s	250
H7	H6000CC	184.19	H	H	9.0	80s	80s	360

H High evaporating temperature up to +5 °C/+10 °C
M Medium evaporating temperature up to -5 °C
L Low evaporating temperature up to -20 °C

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Semi-Hermetic Motor Compressors

Technical Data – Max Operating & Locked Rotor

RANGE	MODEL	MAX OPERATING CURRENT V / PH/HZ (A)		LOCKED ROTOR CURRENT	
		220-240 / 3 / 50 220-280 / 3 / 60 Δ	380-420 / 3 / 50 400-480 / 3 / 60 Y	220-240 / 3 / 50 220-280 / 3 / 60 Δ	380-420 / 3 / 50 400-480 / 3 / 60 Y
H1	H40CC	3.1	1.8	15.6	9.0
	H75CC	4.2	2.4	19.2	11.1
	H100CC	5.0	2.9	23.8	13.8
	H150CC	5.9	3.4	26.9	15.5
	H180CC	-	4.4	-	20.0
	H200CC	-	6.0	-	24.4
	H220CC	-	6.0	-	24.4
	H280CC	-	7.3	-	32.0
H2	H300CC	-	9.4	-	43.6
	H350CC	-	9.4	-	43.6
	H380CC	-	9.4	-	43.6
H32	H403CC	-	10.5	-	53.2
	H503CC	-	12.9	-	63.1
H35	H551CC	-	12.9	-	63.1
	H551CS	-	12.9	-	63.1
	H701CC	-	16.7	-	86.0
	H701CS	-	12.9	-	63.1
	H751CC	-	16.7	-	86.0
	H751CS	-	16.7	-	86.0
	H801CC	-	23.0	-	92.0
	H851CS	-	19.1	-	104.6
H41	H1001CC	-	25.0	-	134.7
	H1001CS	-	22.0	-	108.7
	H1501CC	-	34.0	-	170.5
	H1501CS	-	25.0	-	134.7
	H2001CC	-	38.0	-	177.0
	H1601CS	-	34.0	-	170.5
	H2201CC	-	45.0	-	203.0
	H2000CS	-	38.0	-	177.0
H5	H2500CC	-	48.0	-	203.0
	H2500CS	-	45.0	-	203.0
	H3000CC	-	56.0	-	224.0
H6	H3000CS	-	56.0	-	224.0
	H3500CC	-	60.0	-	260.0
	H3500CS	-	56.0	-	224.0
	H4000CC	-	72.0	-	290.0
	H4500CS	-	72.0	-	290.0
	H5000CC	-	93.0	-	358.0
H7	H6000CC	-	120.0	-	465.0

Standard motor version. For operating conditions not indicated please contact our technical service

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Sound Pressure

RANGE	MODEL	DISPLACEMENT Volume bal.		SOUND PRESSURE (FREE FIELD)						SOUND POWER		
				1.8m			5 m			ISO9614-1 grade 2		
				Te / Tc (°C)			Te / Tc (°C)			Te / Tc (°C)		
		50Hz (m3/h)	60Hz (m3/h)	+7 / +50	-10 / +45	-30 / +40	+7 / +50	-10 / +45	-30 / +40	+7 / +50	-10 / +45	-30 / +40
H1	H40CC	2.89	3.47	46.0			37.1			62.1		
	H75CC	3.86	4.63	46.5			37.6			62.6		
	H100CC	5.30	6.36	48.3			39.4			64.4		
	H150CC	6.75	8.10	49.2			40.3			65.3		
	H180CC	7.71	9.26	49.6			40.7			65.7		
	H200CC	8.47	10.16	49.8			40.9			65.9		
	H220CC	9.88	11.86	50.0			41.1			66.1		
H2	H280CC	12.17	14.60	54.8	53.4	51.8	45.9	44.5	42.9	70.9	69.5	67.9
	H300CC	14.74	17.69		51.4	51.9		42.5	43.0		67.5	68.0
	H350CC	15.94	19.13	51.4	51.9		42.5	43.0		67.5	68.0	
H32	H380CC	17.53	21.04			52.4			43.5			68.5
	H403CC	19.98	23.98			55.9			47.0			72.0
H35	H503CC	22.83	27.40		54.9	55.9		46.0	47.0		71.0	72.0
	H551CC	23.13	27.76	55.9	56.9		47.0	48.0		72.0	73.0	
	H551CS	27.33	32.80		57.9	58.4		49.0	49.5		74.0	74.5
	H701CC	27.33	32.80		58.4	58.9		49.5	50.0		74.5	75.0
	H701CS	31.88	38.26	57.9	58.4	58.9	49.0	49.5	50.0	74.0	74.5	75.0
	H751CC	31.88	38.26		58.9	59.4		50.0	50.5		75.0	75.5
	H751CS	38.06	45.67	58.4	58.9	59.4	49.5	50.0	50.5	74.5	75.0	75.5
H41	H851CS	42.81	51.38		58.9	60.4		50.0	51.5		75.0	76.5
	H1001CC	42.81	51.38	58.9	58.9	60.4	50.0	50.0	51.5	75.0	75.0	76.5
	H1001CS	48.82	58.58		60.9	61.4		52.0	52.5		77.0	77.5
	H1501CC	48.82	58.58	60.4	60.9	61.4	51.5	52.0	52.5	76.5	77.0	77.5
	H1501CS	56.87	68.25		61.9	62.6		53.0	53.7		78.0	78.7
	H2001CC	56.87	68.25	61.40	61.9	62.6	52.5	53.0	53.7	77.5	78.0	78.7
	H1601CS	63.76	76.51		62.9	63.4		54.0	54.5		79.0	79.5
H5	H2201CC	63.76	76.51	62.4	62.9	63.4	53.5	54.0	54.5	78.5	79.0	79.5
	H2000CS	75.83	91.00		61.4	61.9		52.5	53.0		77.5	78.0
	H2500CC	75.83	91.00	60.9	61.4	61.9	52.0	52.5	53.0	77.0	77.5	78.0
	H2500CS	85.01	102.02		62.4	62.9		53.5	54.0		78.5	79.0
H6	H3000CC	85.01	102.02	61.9	62.4	62.9	53.0	53.5	54.0	78.0	78.5	79.0
	H3000CS	113.74	136.49		65.4	65.9		56.5	57.0		81.5	82.0
	H3500CC	113.74	136.49	64.9	65.4	65.9	56.0	56.5	57.0	81.0	81.5	82.0
	H3500CS	127.52	153.02		65.9	66.4		57.0	57.5		82.0	82.5
	H4000CC	127.52	153.02	65.4	65.9	66.4	56.5	57.0	57.5	81.5	82.0	82.5
	H4500CS	153.52	184.22		66.5	67.0		57.6	58.1		82.6	83.1
	H5000CC	153.52	184.22	66.0	66.5	67.0	57.1	57.6	58.1	82.1	82.6	83.1
H7	H6000CC	184.19	221.03	66.6	67.1	67.6	57.7	58.2	58.7	82.7	83.2	83.7

Strict intensimetric measurements made by the Florence University according to the rules ISO 9614-1 grade2= 2, 'certified' the excellent results obtained by Dorin. Besides the sound pressure and power datas indicated hereunder there are, available on request, the sound spectrums at the different frequencies. The relation to be used to obtain the sound pressure (Lp) at a certain distance (d), knowing the sound power (Lw), is:

$$L_p = L_w + 10 \log [K / (4 \times 3.142 \times d \times d)] \text{ where } K = \text{Directivity} = 1 \text{ for free; } d = \text{Distance in meter}$$

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Performance Data – R134a

RANGE	MODEL	COND. TEMP		Q(w) REFRIGERATING CAPACITY				P (kW) POWER INPUT				
				EVAPORATING TEMPERATURE								
				(°C)	+20	+15	+10	+5	0	-5	-10	-15
H1	H40CC	35	Q		2620	2180	1790	1450	1160	910	710	530
			P		0.55	0.51	0.47	0.43	0.40	0.36	0.33	0.29
	45	Q	2770	2320	1920	1570	1270	1010	790	600	440	
		P	0.68	0.63	0.58	0.53	0.49	0.44	0.40	0.36	0.32	
	H75CC	35	Q		3760	3120	2550	2070	1650	1290	980	730
			P		0.63	0.63	0.61	0.58	0.55	0.50	0.45	0.40
	45	Q	3990	3320	2740	2240	1800	1430	1110	830	600	
		P	0.82	0.80	0.77	0.72	0.67	0.61	0.55	0.49	0.43	
	H100CC	35	Q		5150	4290	3540	2900	2340	1860	1460	1120
			P		0.93	0.92	0.89	0.84	0.78	0.72	0.65	0.58
	45	Q	5410	4530	3760	3100	2520	2030	1610	1250	940	
		P	1.19	1.16	1.11	1.04	0.97	0.89	0.80	0.71	0.63	
	H150CC	35	Q		5710	4770	3950	3240	2640	2120	1680	1310
			P		0.90	0.95	0.97	0.96	0.93	0.87	0.81	0.74
	45	Q	6320	5310	4430	3660	2990	2420	1940	1520	1170	
		P	1.15	1.18	1.18	1.15	1.09	1.02	0.94	0.85	0.76	
	H180CC	35	Q		6980	5820	4810	3940	3190	2550	2000	1550
			P		1.07	1.13	1.14	1.12	1.08	1.01	0.93	0.84
	45	Q	7510	6300	5240	4320	3530	2850	2270	1770	1350	
		P	1.36	1.39	1.38	1.34	1.27	1.18	1.08	0.98	0.88	
H200CC	35	Q		7680	6410	5300	4330	3500	2790	2190	1690	
		P		1.22	1.22	1.21	1.18	1.14	1.08	1.02	0.96	
45	Q	8300	6970	5810	4790	3900	3140	2490	1930	1470		
	P	1.59	1.56	1.50	1.43	1.35	1.27	1.17	1.08	0.99		
H220CC	35	Q		9050	7540	6230	5100	4120	3290	2590	1990	
		P		1.55	1.50	1.45	1.39	1.32	1.25	1.17	1.09	
45	Q	9750	8170	6790	5590	4560	3670	2910	2260	1720		
	P	1.99	1.90	1.81	1.71	1.61	1.50	1.39	1.27	1.15		
H280CC	35	Q		12050	10050	8300	6790	5490	4380	3440	2650	
		P		1.81	1.82	1.78	1.72	1.63	1.52	1.40	1.28	
45	Q	12600	10570	8790	7230	5900	4750	3770	2940	2230		
	P	2.32	2.28	2.21	2.11	1.98	1.84	1.69	1.53	1.38		
H300CC	35	Q		13350	11110	9140	7430	5950	4690	3620	2720	
		P		2.15	2.14	2.09	2.00	1.87	1.72	1.54	1.35	
45	Q	13820	11570	9590	7860	6360	5060	3960	3020	2240		
	P	2.61	2.59	2.52	2.41	2.27	2.09	1.89	1.67	1.43		
H350CC	35	Q		14750	12270	10090	8200	6560	5170	3980	2990	
		P		2.40	2.37	2.28	2.16	2.00	1.83	1.65	1.46	
45	Q	15310	12810	10620	8700	7030	5600	4370	3330	2460		
	P	2.98	2.91	2.78	2.62	2.43	2.21	1.99	1.77	1.55		
H380CC	35	Q		15870	13250	10950	8940	7210	5730	4480	3430	
		P		2.43	2.49	2.47	2.37	2.21	2.01	1.79	1.55	
45	Q	16430	13800	11490	9460	7710	6200	4910	3820	2900		
	P	2.97	3.01	2.95	2.83	2.64	2.42	2.16	1.89	1.63		
H403CC	35	Q		18140	15100	12450	10160	8200	6520	5100	3900	
		P		2.64	2.72	2.70	2.60	2.43	2.21	1.97	1.72	
45	Q	19520	16340	13550	11130	9040	7250	5720	4420	3320		
	P	3.33	3.37	3.30	3.15	2.94	2.68	2.39	2.10	1.82		
H32	H503CC	35	Q		21520	17910	14760	12040	9700	7710	6020	4590
			P		3.35	3.38	3.30	3.12	2.88	2.58	2.26	1.94
45	Q	23000	19240	15960	13110	10640	8530	6730	5200	3900		
	P	4.15	4.14	4.00	3.78	3.48	3.14	2.78	2.41	2.07		
H35	H551CC	35	Q		22380	18630	15350	12520	10080	8010	6260	4800
			P		3.65	3.51	3.33	3.14	2.93	2.70	2.46	2.22
45	Q	23930	20050	16640	13670	11100	8890	7000	5400	4060		
	P	4.46	4.27	4.04	3.80	3.54	3.26	2.98	2.69	2.41		
H35	H551CS	35	Q		21590	17830	14560	11750	9350	7330	5650	
			P		4.05	3.87	3.65	3.40	3.14	2.87	2.61	
45	Q			19310	15880	12910	10350	8170	6320	4780		
	P			4.78	4.47	4.14	3.80	3.46	3.13	2.80		

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Semi-Hermetic Motor Compressors

Performance Data – R134a (continued)

RANGE	MODEL	COND. TEMP		Q(w) REFRIGERATING CAPACITY				P (kW) POWER INPUT				
				EVAPORATING TEMPERATURE								
				(°C)	+20	+15	+10	+5	0	-5	-10	-15
H35	H701CC	35	Q		25690	21430	17690	14460	11670	9300	7310	5640
			P		4.22	4.05	3.85	3.62	3.37	3.12	2.85	2.59
	H701CS	45	Q	27130	22770	18940	15600	12710	10220	8100	6300	4790
			P	5.29	5.03	4.75	4.45	4.14	3.81	3.49	3.16	2.84
	H751CC	35	Q			25050	20700	16920	13660	10880	8530	6570
			P			4.69	4.56	4.34	4.06	3.72	3.36	2.99
	H751CS	45	Q			22360	18400	14970	12010	9480	7350	5560
			P			5.63	5.31	4.93	4.50	4.05	3.61	3.18
	H751CC	35	Q		30010	25050	20700	16920	13660	10880	8530	6570
			P		4.70	4.69	4.56	4.34	4.06	3.72	3.36	2.99
	H751CS	45	Q	32030	26890	22360	18400	14970	12010	9480	7350	5560
			P	5.98	5.86	5.63	5.31	4.93	4.50	4.05	3.61	3.18
H851CS	35	Q			34340	28380	23190	18710	14890	11650	8950	
		P			6.47	6.16	5.81	5.41	4.97	4.49	3.98	
H1001CC	45	Q			30240	24890	20250	16240	12820	9920	7480	
		P			7.41	6.95	6.45	5.92	5.36	4.77	4.17	
H1001CS	35	Q		41980	34930	28760	23420	18830	14920	11640	8920	
		P		6.65	6.55	6.31	5.96	5.53	5.04	4.50	3.96	
H1501CC	45	Q	44540	37300	30940	25390	20590	16470	12960	10000	7520	
		P	8.20	7.99	7.64	7.20	6.67	6.08	5.46	4.83	4.22	
H1501CS	35	Q			39740	32890	26940	21800	17410	13700	10600	
		P			7.42	7.33	7.03	6.57	5.99	5.33	4.64	
H2001CC	45	Q			35140	28980	23620	19010	15060	11720	8910	
		P			8.88	8.47	7.89	7.20	6.43	5.63	4.84	
H1601CS	35	Q		47550	39600	32660	26650	21480	17100	13410	10340	
		P		7.78	7.69	7.43	7.03	6.51	5.92	5.27	4.61	
H2201CC	45	Q	50700	42500	35290	29010	23580	18920	14950	11600	8790	
		P	9.80	9.59	9.21	8.69	8.06	7.35	6.59	5.81	5.05	
H1601CS	35	Q			45120	37410	30700	24920	19970	15790	12300	
		P			8.55	8.36	7.96	7.39	6.71	5.98	5.23	
H2201CC	45	Q			39980	33030	27000	21800	17360	13590	10420	
		P			10.28	9.70	8.96	8.13	7.25	6.36	5.53	
H2001CC	35	Q		562200	46730	38440	31260	25110	19880	15500	11880	
		P		9.23	9.06	8.71	8.19	7.55	6.81	6.03	5.22	
H1601CS	45	Q	59620	49880	41320	33870	27430	21910	17230	13290	10020	
		P	11.52	11.23	10.75	10.10	9.33	8.47	7.55	6.62	5.69	
H2201CC	35	Q			51150	42340	34670	28060	22410	17630	13640	
		P			9.72	9.37	8.83	8.15	7.39	6.60	5.83	
H2201CC	45	Q			45290	37350	30450	24500	19420	15110	11490	
		P			11.59	10.84	9.95	8.99	8.01	7.07	6.22	
H2201CC	35	Q		61570	51280	42300	34510	27830	22160	17390	13430	
		P		9.91	9.64	9.21	8.65	8.00	7.28	6.52	5.76	
H2201CC	45	Q	65770	55140	45800	37650	30610	24570	19430	15090	11460	
		P	12.51	12.02	11.38	10.63	9.79	8.90	7.98	7.07	6.19	

Dorin Innovation

Semi-Hermetic Motor Compressors

Performance Data – R134a (continued)

RANGE	MODEL	COND. TEMP (°C)		Q(w) REFRIGERATING CAPACITY				P (kW) POWER INPUT					
				EVAPORATING TEMPERATURE									
				+20	+15	+10	+5	0	-5	-10	-15	-20	
H5	H2000CS	35	Q			63080	51750	41930	33510	26320	20250	15130	
			P			10.13	9.90	9.48	8.90	8.17	7.33	6.41	
	H2500CC	35	Q		76060	63130	51840	42060	33670	26530	20530	15530	
			P		10.15	10.18	9.96	9.54	8.94	8.22	7.40	6.52	
	H2500CS	35	Q	80330	67060	55440	45320	36590	29110	22770	17420	12950	
			P	12.97	12.78	12.36	11.72	10.92	9.99	8.96	7.87	6.76	
	H3000CC	35	Q		86050	71380	58610	47580	38140	30140	23430	17850	
			P		11.78	11.73	11.43	10.91	10.22	9.39	8.47	7.48	
	H3000CS	35	Q	90750	75790	62700	51340	41560	33200	26110	20150	15150	
			P	15.05	14.76	14.23	13.47	12.55	11.49	10.32	9.10	7.86	
	H6	H3500CC	35	Q		114090	94690	77750	63090	50500	39790	30790	23290
				P		15.23	15.27	14.94	14.30	13.41	12.32	11.09	9.78
H3500CS		35	Q	120490	100590	83160	67980	54880	43670	34150	26130	19430	
			P	19.45	19.18	18.54	17.59	16.38	14.98	13.44	11.81	10.14	
H4000CC		35	Q		127740	105950	86970	70590	56560	44680	34710	26430	
			P		17.67	17.59	17.14	16.37	15.33	14.09	12.70	11.22	
H4500CS		35	Q	134700	112470	93040	76160	61630	49220	38690	29830	22410	
			P	22.58	22.15	21.34	20.21	18.82	17.23	15.49	13.65	11.79	
H5000CC		35	Q		151300	125460	102950	83520	66890	52800	40980	31170	
			P		21.27	21.18	20.63	19.70	18.46	16.96	15.29	13.51	
H6000CC		35	Q	159510	133150	110100	90100	72870	58150	45680	35180	26380	
			P	27.18	26.66	25.69	24.33	22.66	20.74	18.64	16.44	14.19	
H7	H6000CC	35	Q		197990	165180	136560	111750	90390	72100	56530	43300	
			P		32.31	32.16	31.12	29.40	27.19	24.66	22.02	19.46	
		45	Q	207280	173960	144760	119330	97300	78290	61940	47890	35770	
			P	39.77	39.23	37.75	35.54	32.77	29.64	26.34	23.06	19.99	

- Frequency rate 50Hz
- For 60Hz operation, data to be multiplied by 1.18
- Performance data are based on European Standard EN12900
- Never mix ester oils with different oils

Dorin Innovation

Semi-Hermetic Motor Compressors

Performance Data – R404A and R507

RANGE	MODEL	COND. TEMP		Q(w) REFRIGERATING CAPACITY					P (kW) POWER INPUT					
				EVAPORATING TEMPERATURE										
		(°C)		+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40
H1	H40CC	35	Q	3290	2780	2340	1940	1600	1300	1040	820	630	480	350
		P	0.72	0.71	0.69	0.67	0.63	0.59	0.55	0.49	0.44	0.38	0.31	
	45	Q	2720	2290	1910	1580	1300	1050	840	660	500	370	260	
		P	0.87	0.84	0.81	0.76	0.71	0.65	0.59	0.53	0.46	0.39	0.31	
	H75CC	35	Q	4490	3790	3180	2640	2170	1770	1430	1130	880	670	490
		P	0.96	0.97	0.96	0.93	0.88	0.81	0.75	0.68	0.61	0.56	0.53	
	45	Q	3700	3120	2610	2170	1790	1450	1160	910	690	490	310	
		P	1.21	1.17	1.12	1.05	0.97	0.89	0.80	0.73	0.67	0.62	0.60	
	H100CC	35	Q	6560	5540	4640	3860	3180	2590	2090	1660	1290	980	720
		P	1.40	1.41	1.39	1.33	1.26	1.18	1.10	1.03	0.98	0.95	0.96	
	45	Q			3820	3170	2610	2120	1700	1330	1010	720	460	
		P			1.62	1.51	1.40	1.29	1.19	1.11	1.06	1.04	1.07	
	H150CC	35	Q	8000	6760	5670	4710	3880	3160	2550	2020	1560	1170	830
		P	1.66	1.66	1.63	1.58	1.51	1.41	1.31	1.19	1.06	0.93	0.80	
	45	Q			4660	3870	3190	2590	2070	1610	1200	830	490	
		P			1.92	1.82	1.69	1.55	1.40	1.24	1.08	0.92	0.76	
	H180CC	35	Q	9150	7730	6470	5380	4420	3600	2890	2290	1770	1320	930
		P	1.99	1.96	1.90	1.82	1.72	1.61	1.48	1.35	1.21	1.07	0.93	
	45	Q			6360	5320	4420	3630	2950	2350	1830	1360	940	550
		P			2.32	2.20	2.07	1.92	1.77	1.60	1.43	1.26	1.08	0.91
H200CC	35	Q	10250	8660	7260	6030	4970	4050	3260	2580	2000	1500	1060	
	P	2.09	2.09	2.06	1.99	1.89	1.78	1.64	1.50	1.34	1.19	1.04		
45	Q	8440	7130	5970	4960	4080	3310	2640	2060	1540	1060	630		
	P	2.63	2.54	2.43	2.29	2.13	1.95	1.76	1.57	1.38	1.19	1.01		
H220CC	35	Q	11930	10080	8450	7020	5780	4710	3790	3010	2330	1750	1240	
	P	2.43	2.45	2.41	2.33	2.21	2.06	1.89	1.71	1.52	1.34	1.17		
45	Q	9830	8290	6950	5770	4750	3860	3080	2390	1790	1240	730		
	P	3.03	2.95	2.82	2.66	2.47	2.26	2.03	1.81	1.59	1.38	1.19		
H280CC	35	Q	14890	12570	10530	8740	7190	5850	4700	3710	2860	2130	1490	
	P	3.12	3.21	3.19	3.10	2.93	2.72	2.47	2.21	1.95	1.71	1.50		
45	Q	12410	10460	8750	7260	5950	4820	3830	2960	2190	1490	850		
	P	3.85	3.78	3.64	3.42	3.17	2.88	2.58	2.29	2.02	1.78	1.60		
H2	H300CC	35	Q	17930	15170	12720	10570	8670	7030	5620	4420	3400	2560	1870
		P	3.52	3.56	3.51	3.38	3.19	2.95	2.68	2.39	2.10	1.82	1.57	
	45	Q	14980	12630	10550	8730	7130	5760	4570	3560	2700	1980	1370	
		P	4.41	4.30	4.11	3.85	3.54	3.21	2.85	2.49	2.14	1.81	1.53	
	H350CC	35	Q	19130	16220	13640	11370	9380	7660	6180	4920	3840	2930	2160
		P	3.93	3.95	3.88	3.74	3.53	3.27	2.97	2.66	2.35	2.04	1.76	
45	Q	16150	13620	11400	9450	7770	6310	5060	3990	3080	2310	1640		
	P	4.90	4.77	4.55	4.27	3.94	3.58	3.19	2.81	2.43	2.07	1.75		
H380CC	35	Q	20990	17820	15010	12540	10370	8490	6860	5470	4290	3290	2460	
	P	4.45	4.46	4.38	4.21	3.97	3.69	3.37	3.02	2.67	2.33	2.02		
45	Q			12570	10470	8630	7040	5680	4500	3500	2650	1910		
	P			5.15	4.84	4.48	4.08	3.65	3.23	2.80	2.41	2.05		
H32	H403CC	35	Q	23620	19820	16510	13630	11150	9020	7230				
		P	4.35	4.36	4.29	4.14	3.94	3.69	3.41					
	45	Q	20070	16760	13880	11400	9270	7450	5910					
		P	5.45	5.28	5.04	4.74	4.39	4.01	3.61					
	H503CC	35	Q	27970	23770	20020	16700	13760	11200	8960	7040	5400	4010	2840
		P	5.59	5.50	5.32	5.06	4.74	4.37	3.96	3.53	3.09	2.66	2.25	
45	Q	23530	19920	16710	13870	11380	9200	7320	5690	4300	3110	2100		
	P	6.72	6.43	6.06	5.63	5.16	4.65	4.13	3.60	3.08	2.58	2.13		

Dorin Innovation

Semi-Hermetic Motor Compressors

Performance Data – R404A and R507 (continued)

RANGE	MODEL	COND. TEMP		Q(w) REFRIGERATING CAPACITY					P (kW) POWER INPUT					
				EVAPORATING TEMPERATURE										
		(°C)		+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40
H35	H551CC	35	Q	29590	24950	20850	17250	14110	11400	9080	7110	5460	4080	2940
			P	5.83	5.70	5.50	5.25	4.95	4.61	4.22	3.81	3.37	2.91	2.44
		45	Q	25080	21060	17530	14440	11770	9460	7500	5830	4420	3230	2220
		P	6.94	6.66	6.32	5.93	5.50	5.04	4.54	4.02	3.48	2.92	2.37	
	H551CS	35	Q				19580	16180	13210	10630	8410	6510	4910	3570
			P				5.86	5.63	5.31	4.91	4.45	3.93	3.37	2.78
		45	Q				16220	13350	10840	8670	6810	5220	3860	2710
		P				6.55	6.18	5.74	5.22	4.65	4.04	3.41	2.76	
	H701CC	35	Q	33390	28270	23740	19750	16260	13230	10620	8390	6500	4910	3580
			P	6.53	6.42	6.23	5.97	5.65	5.28	4.87	4.42	3.93	3.42	2.89
		45	Q	28340	23900	19990	16570	13580	11000	8780	6880	5260	3880	2700
		P	7.94	7.64	7.27	6.84	6.36	5.83	5.27	4.68	4.06	3.43	2.78	
	H701CS	35	Q				23150	19120	15600	12550	9940	7720	5840	4280
			P				7.16	6.81	6.36	5.82	5.23	4.60	3.95	3.31
		45	Q				19520	16030	12990	10370	8120	6210	4590	3220
		P				8.15	7.59	6.94	6.24	5.51	4.75	4.00	3.28	
	H751CC	35	Q	38720	32910	27730	23150	19120	15600	12550	9940	7720	5840	4280
			P	7.38	7.47	7.39	7.16	6.81	6.36	5.82	5.23	4.60	3.95	3.31
	45	Q	33150	28040	23510	19520	16030	12990	10370	8120	6210	4590	3220	
	P	9.13	8.94	8.61	8.15	7.59	6.94	6.24	5.51	4.75	4.00	3.28		
H751CS	35	Q				27240	22530	18430	14880	11830	9230	7050	5230	
		P				8.71	8.27	7.70	7.02	6.29	5.52	4.76	4.03	
	45	Q				22990	18900	15340	12280	9660	7430	5540	3960	
	P				9.95	9.20	8.37	7.48	6.56	5.66	4.80	4.03		
H851CS	35	Q				32710	27010	22030	17710	14000	10840	8160	5920	
		P				9.63	9.01	8.30	7.52	6.69	5.84	4.97	4.11	
	45	Q				27400	22520	18270	14600	11450	8750	6460	4520	
	P				10.65	9.82	8.92	7.98	7.01	6.03	5.06	4.12		
H1001CC	35	Q	55950	47350	39720	33000	27120	22020	17620	13870	10700	8040	5830	
		P	10.43	10.54	10.36	9.94	9.33	8.57	7.71	6.79	5.87	4.99	4.18	
	45	Q	47300	39870	33310	27560	22550	18230	14510	11330	8640	6360	4440	
	P	12.71	12.36	11.78	11.01	10.10	9.10	8.05	7.01	6.00	5.09	4.32		
H1001CS	35	Q				37830	31270	25540	20570	16310	12680	9630	7080	
		P				11.78	10.92	9.98	8.99	7.97	6.96	5.96	5.02	
	45	Q				31730	26080	21170	16930	13290	10190	7580	5380	
	P				13.03	11.86	10.66	9.44	8.24	7.07	5.96	4.94		
H1501CC	35	Q	63280	53720	45240	37750	31180	25460	20510	16260	12630	9550	6950	
		P	12.39	12.31	12.00	11.49	10.81	9.99	9.07	8.07	7.03	5.98	4.95	
	45	Q	53960	45520	38070	31540	25860	20940	16720	13110	10050	7460	5270	
	P	15.06	14.48	13.71	12.80	11.78	10.67	9.51	8.32	7.14	6.01	4.94		
H1501CS	35	Q				43270	35790	29250	23580	18710	14550	11040	8090	
		P				13.36	12.42	11.38	10.29	9.16	8.01	6.88	5.79	
	45	Q				36420	29980	24360	19510	15340	11780	8750	6180	
	P				14.98	13.69	12.36	10.99	9.63	8.28	6.98	5.76		
H2001CC	35	Q	73380	62220	52320	43600	35970	29340	23620	18720	14560	11040	8090	
		P	14.59	14.25	13.71	13.01	12.18	11.24	10.22	9.14	8.04	6.94	5.86	
	45	Q	62170	52520	44010	36540	30030	24390	19530	15360	11800	8760	6140	
	P	17.59	16.76	15.79	14.69	13.49	12.23	10.92	9.60	8.28	7.01	5.79		
H1601CS	35	Q				48100	39780	32520	26220	20810	16190	12290	9020	
		P				15.01	13.95	12.79	11.56	10.30	9.02	7.76	6.55	
	45	Q				40450	33280	27050	21660	17020	13070	9700	6850	
	P				16.81	15.38	13.89	12.38	10.86	9.37	7.94	6.60		
H2201CC	35	Q	81880	69420	58370	48640	40120	32720	26330	20870	16220	12300	9000	
		P	15.71	15.88	15.62	14.99	14.08	12.94	11.66	10.31	8.95	7.65	6.50	
	45	Q	69440	58660	49140	40790	33510	27200	21770	17110	13130	9730	6810	
	P	19.41	18.86	17.95	16.77	15.39	13.87	12.28	10.71	9.21	7.87	6.75		

Dorin Innovation

Semi-Hermetic Motor Compressors

Performance Data – R404A and R507 (continued)

RANGE	MODEL	COND. TEMP		Q(w) REFRIGERATING CAPACITY					P (kW) POWER INPUT						
				EVAPORATING TEMPERATURE											
		(°C)		+10	+5	0	-5	-10	-15	-20	-25	-30	-35	-40	
H5	H2000CS	35	Q				55730	46090	37720	30490	24290	19020	14540	10760	
			P				17.50	16.32	15.03	13.65	12.20	10.71	9.20	7.69	
		45	Q				46950	38650	31460	25280	19990	15480	11630	8330	
			P				19.81	18.20	16.50	14.75	12.97	11.18	9.40	7.65	
		H2500CC	35	Q	93880	79350	66530	55280	45470	36970	29660	23400	18060	13520	9640
			P	18.56	18.19	17.57	16.73	15.71	14.52	13.21	11.80	10.32	8.79	7.26	
		45	Q	79500	67010	56040	46470	38150	30960	24770	19450	14870	10900	7410	
			P	22.25	21.33	20.20	18.88	17.42	15.84	14.16	12.42	10.65	8.88	7.14	
		H2500CS	35	Q				62480	51690	42290	34170	27190	21230	16160	11860
			P				19.73	18.38	16.91	15.35	13.72	12.05	10.35	8.65	
		45	Q				52520	43330	35370	28500	22590	17530	13170	9400	
			P				22.29	20.46	18.56	16.60	14.62	12.62	10.64	8.70	
	H3000CC	35	Q	105300	89090	74780	62230	51280	41790	33610	26610	20640	15540	11180	
		P	21.74	21.17	20.33	19.27	18.02	16.62	15.11	13.52	11.90	10.28	8.70		
	45	Q	89460	75480	63200	52470	43140	35070	28120	22130	16960	12470	8520		
		P	26.00	24.74	23.28	21.65	19.90	18.05	16.15	14.23	12.33	10.50	8.76		
H6	H3000CS	35	Q				83680	69040	56320	45350	35970	27980	21230	15530	
		P				26.16	24.42	22.48	20.38	18.17	15.87	13.54	11.21		
		45	Q				70140	57720	46960	37710	29800	23030	17250	12280	
			P				29.73	27.32	24.77	22.11	19.39	16.64	13.90	11.22	
		H3500CC	35	Q	140950	119120	99850	82950	68220	55460	44480	35090	27080	20260	14430
			P	28.70	27.86	26.74	25.36	23.76	21.96	20.00	17.90	15.70	13.42	11.10	
		45	Q	119320	100540	84040	69640	57140	46350	37070	29110	22260	16340	11140	
			P	33.71	32.17	30.39	28.39	26.21	23.88	21.41	18.85	16.23	13.57	10.91	
		H3500CS	35	Q				91600	75620	61740	49750	39480	30730	23300	17020
			P				29.03	26.98	24.79	22.46	20.02	17.49	14.90	12.27	
		45	Q				77540	63850	52000	41780	33020	25520	19090	13540	
			P				32.88	30.19	27.38	24.47	21.47	18.42	15.33	12.23	
	H4000CC	35	Q	157850	133540	112080	93250	76840	62620	50380	39900	30970	23350	16840	
		P	33.87	32.48	30.89	29.11	27.16	25.07	22.84	20.50	18.06	15.55	12.97		
	45	Q	133610	112770	94470	78470	64570	52550	42190	33260	25560	18860	12950		
		P	39.10	37.02	34.78	32.37	29.84	27.18	24.42	21.57	18.66	15.71	12.72		
	H4500CS	35	Q				111160	91680	74750	60140	47610	36940	27890	20240	
		P				34.22	32.04	29.56	26.85	23.95	20.91	17.80	14.67		
	45	Q				93370	76640	62150	49700	39030	29930	22170	15500		
		P				38.58	35.55	32.28	28.84	25.28	21.65	18.01	14.41		
	H5000CC	35	Q	188020	159220	133810	111510	92090	75260	60790	48400	37850	28860	21190	
		P	40.88	39.45	37.64	35.52	33.14	30.55	27.80	24.97	22.09	19.23	16.44		
	45	Q	159190	134400	112630	93630	77130	62870	50600	40060	30990	23140	16230		
		P	48.32	45.75	42.89	39.79	36.50	33.10	29.62	26.13	22.67	19.32	16.12		
H7	H6000CC	35	Q	231220	195620	164340	136980	113140	92400	74340	58580	44680	32250	20880	
		P	46.99	46.16	44.53	42.20	39.29	35.92	32.21	28.28	24.24	20.21	16.31		
	45	Q	191640	162050	136110	113410	93540	76090	60650	46810	34160	22300	10820		
		P	55.09	52.88	49.98	46.51	42.58	38.32	33.84	29.26	24.69	20.25	16.07		

- Frequency rate 50Hz
- For 60Hz operation, data to be multiplied by 1.18
- Performance data are based on European Standard EN12900
- Never mix ester oils with different oils

Dorin Innovation

Semi-Hermetic Motor Compressors

Performance Data – R407C

RANGE	MODEL	COND. TEMP		Q(w) REFRIGERATING CAPACITY			P (kW) POWER INPUT			
				EVAPORATING TEMPERATURE						
		(°C)		+10	+5	0	-5	-10	-15	-20
H1	H40CC	30	Q	3420	2830	2310	1870	1490	1170	900
			P	0.52	0.54	0.54	0.53	0.49	0.45	0.41
		40	Q	2970	2450	1990	1600	1270	990	740
			P	0.68	0.67	0.64	0.60	0.55	0.50	0.44
		50	Q	2540	2090	1690	1350	1060	810	600
			P	0.81	0.78	0.73	0.67	0.60	0.54	0.48
	H75CC	30	Q	4590	3800	3120	2520	2020	1590	1220
			P	0.70	0.73	0.73	0.70	0.66	0.61	0.55
		40	Q	4000	3300	2690	2170	1720	1340	1020
			P	0.91	0.90	0.86	0.81	0.74	0.67	0.59
		50	Q	3430	2820	2290	1840	1450	1110	820
			P	1.09	1.04	0.97	0.89	0.81	0.72	0.64
	H100CC	30	Q	6280	5200	4260	3450	2760	2170	1670
			P	0.96	1.00	1.00	0.97	0.91	0.84	0.75
		40	Q	5470	4510	3680	2970	2350	1830	1380
			P	1.25	1.23	1.18	1.11	1.02	0.91	0.81
		50	Q	4690	3860	3130	2510	1980	1520	1120
			P	1.49	1.42	1.33	1.23	1.11	0.99	0.88
	H150CC	30	Q	8050	6670	5470	4430	3550	2800	2160
			P	1.22	1.27	1.27	1.23	1.16	1.06	0.95
		40	Q	7020	5800	4740	3820	3040	2370	1800
			P	1.59	1.57	1.50	1.41	1.29	1.16	1.03
		50	Q	6040	4970	4040	3250	2560	1980	1470
			P	1.90	1.81	1.70	1.56	1.41	1.26	1.12
	H180CC	30	Q	9140	7580	6210	5040	4030	3180	2460
			P	1.39	1.46	1.46	1.42	1.33	1.22	1.10
		40	Q	8000	6610	5400	4360	3470	2710	2060
			P	1.83	1.80	1.73	1.62	1.48	1.33	1.17
		50	Q	6890	5680	4620	3710	2930	2260	1690
			P	2.17	2.07	1.94	1.78	1.61	1.44	1.27
	H200CC	30	Q	10140	8400	6880	5580	4460	3520	2720
			P	1.64	1.67	1.65	1.58	1.48	1.35	1.21
		40	Q	8820	7280	5950	4800	3820	2980	2260
			P	2.06	2.01	1.91	1.78	1.62	1.46	1.30
		50	Q	7560	6230	5070	4070	3220	2480	1850
			P	2.40	2.27	2.12	1.94	1.75	1.57	1.39
H220CC	30	Q	11720	9720	7980	6470	5190	4100	3180	
		P	1.80	1.86	1.86	1.80	1.70	1.56	1.42	
	40	Q	10260	8470	6930	5600	4460	3480	2650	
		P	2.33	2.29	2.19	2.05	1.89	1.71	1.53	
	50	Q	8830	7270	5920	4760	3760	2900	2160	
		P	2.79	2.66	2.48	2.28	2.07	1.87	1.68	
H280CC	30	Q	14810	12270	10070	8170	6540	5160	4000	
		P	2.17	2.24	2.23	2.15	2.03	1.87	1.69	
	40	Q	13110	10830	8850	7150	5680	4440	3370	
		P	2.89	2.83	2.70	2.53	2.32	2.10	1.88	
	50	Q	11420	9400	7650	6140	4840	3730	2770	
		P	3.47	3.29	3.07	2.82	2.56	2.30	2.05	
H300CC	30	Q	18240	15060	12280	9880	7810	6060	4570	
		P	2.69	2.72	2.68	2.58	2.43	2.24	2.01	
	40	Q	15660	12850	10420	8310	6510	4960	3660	
		P	3.41	3.30	3.13	2.92	2.67	2.38	2.08	
	50	Q	13210	10780	8680	6860	5310	3980	2840	
		P	4.05	3.81	3.53	3.21	2.87	2.51	2.14	
H350CC	30	Q	19760	16180	13100	10450	8220	6350	4820	
		P	2.80	2.90	2.89	2.79	2.62	2.41	2.17	
	40	Q	17290	14100	11350	9010	7020	5370	4000	
		P	3.68	3.58	3.40	3.15	2.87	2.57	2.26	
	50	Q	14340	11590	9240	7250	5590	4200	3070	
		P	4.44	4.16	3.83	3.46	3.08	2.70	2.34	

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Semi-Hermetic Motor Compressors

Performance Data – R407C (continued)

RANGE	MODEL	COND. TEMP.		Q(w) REFRIGERATING CAPACITY			P (kW) POWER INPUT			
				EVAPORATING TEMPERATURE						
		(°C)		+10	+5	0	-5	-10	-15	-20
H2	H380CC	30	Q	22670	18710	15270	12300	9760	7620	5830
			P	3.16	3.28	3.28	3.18	2.99	2.74	2.44
		40	Q	19410	15960	12970	10390	8190	6330	4770
			P	4.13	4.04	3.85	3.60	3.29	2.95	2.61
		50	Q	16030	13110	10590	8440	6600	5050	3740
			P	5.05	4.74	4.38	3.97	3.56	3.14	2.76
H32	H403CC	30	Q	24060	19890	16270	13150	10470	8200	6280
			P	3.27	3.37	3.37	3.27	3.10	2.87	2.58
		40	Q	21230	17460	14190	11370	8960	6900	5150
			P	4.25	4.18	4.02	3.79	3.49	3.13	2.74
		50	Q	18350	14980	12070	9570	7430	5590	4020
			P	5.20	4.97	4.65	4.27	3.84	3.37	2.86
	H503CC	30	Q	30080	24860	20310	16400	13040	10190	7780
			P	4.30	4.36	4.29	4.09	3.81	3.46	3.06
		40	Q	26350	21660	17590	14090	11090	8530	6350
			P	5.50	5.34	5.06	4.69	4.25	3.76	3.26
		50	Q	22630	18480	14900	11810	9170	6910	4970
			P	6.59	6.22	5.75	5.22	4.65	4.06	3.47
H35	H551CC	30	Q	28910	23900	19570	15860	12700	10030	7780
			P	4.53	4.35	4.15	3.93	3.70	3.44	3.17
		40	Q	25630	21070	17140	13770	10910	8480	6440
			P	5.46	5.17	4.86	4.54	4.19	3.84	3.47
		50	Q	22320	18220	14690	11680	9120	6960	5120
			P	6.37	5.95	5.52	5.07	4.61	4.14	3.66
	H701CC	30	Q	33040	27420	22540	18330	14740	11690	9130
			P	5.09	4.88	4.67	4.43	4.18	3.92	3.63
		40	Q	29160	24080	19670	15890	12660	9920	7600
			P	6.19	5.87	5.53	5.18	4.81	4.42	4.02
		50	Q	25570	20990	17030	13640	10750	8280	6180
			P	7.34	6.87	6.39	5.89	5.38	4.85	4.30
	H751CC	30	Q	38270	31770	26120	21250	17080	13550	10570
			P	5.87	5.69	5.47	5.22	4.94	4.62	4.28
		40	Q	33580	27730	22660	18310	14590	11430	8760
			P	7.08	6.76	6.40	6.02	5.60	5.15	4.68
		50	Q	29210	23990	19480	15610	12310	9490	7100
			P	8.31	7.83	7.31	6.77	6.20	5.60	4.97
H41	H1001CC	30	Q	55380	45930	37730	30670	24620	19500	15190
			P	7.96	7.97	7.80	7.47	7.02	6.48	5.88
		40	Q	48780	40240	32850	26500	21070	16480	12590
			P	9.95	9.60	9.10	8.48	7.78	7.02	6.24
		50	Q	42600	34920	28300	22630	17790	13680	10190
			P	11.61	10.95	10.16	9.29	8.37	7.42	6.49
	H1501CC	30	Q	62880	52270	43040	35090	28280	22490	17610
			P	9.77	9.50	9.12	8.63	8.06	7.42	6.72
		40	Q	55480	45840	37490	30310	24170	18970	14570
			P	11.60	11.18	10.62	9.93	9.13	8.24	7.28
		50	Q	48790	40040	32490	26010	20480	15780	11780
			P	13.25	12.67	11.93	11.03	10.01	8.88	7.64

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Semi-Hermetic Motor Compressors

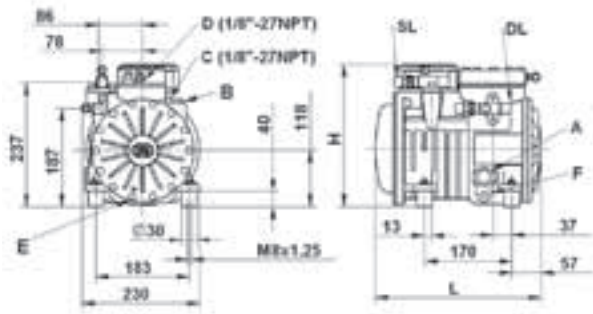
Performance Data – R407C (continued)

RANGE	MODEL	COND. TEMP. (°C)		Q(w) REFRIGERATING CAPACITY			P (kW) POWER INPUT			
				EVAPORATING TEMPERATURE						
				+10	+5	0	-5	-10	-15	-20
H41	H2001CC	30	Q	71320	59380	49000	40050	32380	25860	20360
			P	10.89	10.57	10.13	9.59	8.99	8.34	7.66
		40	Q	63300	52510	43140	35070	28160	22260	17240
	P		13.57	12.87	12.09	11.24	10.35	9.44	8.54	
	50	Q	55020	45400	37070	29910	23770	18520	14010	
		P	15.78	14.73	13.62	12.47	11.32	10.18	9.08	
	H2201CC	30	Q	79620	66280	54690	44680	36110	28830	22690
			P	11.20	11.52	11.46	11.08	10.48	9.71	8.85
		40	Q	70670	58620	48160	39140	31400	24810	19210
P			14.77	14.44	13.80	12.93	11.89	10.78	9.65	
50		Q	61450	50700	41390	33380	26500	20620	15580	
		P	17.41	16.52	15.41	14.13	12.77	11.40	10.09	
H5	H2500CC	30	Q	92090	76510	62990	51350	41390	32930	25770
			P	13.53	13.40	13.11	12.67	12.09	11.36	10.51
		40	Q	80980	67080	55040	44690	35830	28280	21850
	P		16.97	16.38	15.64	14.75	13.73	12.57	11.28	
	50	Q	69950	57720	47160	38100	30350	23710	18010	
		P	20.17	19.08	17.83	16.45	14.93	13.28	11.52	
	H3000CC	30	Q	102890	85330	70110	57030	45860	36400	28430
			P	16.00	15.64	15.17	14.58	13.86	13.02	12.03
		40	Q	90590	74840	61240	49580	39630	31180	24020
P			19.59	18.82	17.93	16.91	15.75	14.44	12.97	
50		Q	77740	63890	51990	41820	33160	25810	19540	
		P	22.96	21.71	20.32	18.78	17.09	15.23	13.20	
H6	H3500CC	30	Q	138130	114760	94490	77030	62090	49390	38660
			P	20.09	19.95	19.61	19.06	18.29	17.30	16.08
		40	Q	121470	100610	82560	67030	53750	42420	32770
			P	25.08	24.33	23.36	22.17	20.74	19.07	17.14
		50	Q	104930	86570	70740	57150	45520	35570	27010
			P	30.00	28.53	26.82	24.86	22.66	20.19	17.45
	H4000CC	30	Q	154340	127990	105160	85540	68790	54600	42640
			P	23.68	23.24	22.61	21.76	20.71	19.44	17.96
		40	Q	135880	112260	91860	74360	59440	46770	36030
			P	29.13	28.07	26.78	25.28	23.54	21.57	19.36
		50	Q	116610	95830	77980	62720	49740	38710	29310
			P	34.21	32.40	30.35	28.07	25.53	22.74	19.69
	H5000CC	30	Q	183580	152660	125850	102740	82980	66190	51980
			P	29.64	28.99	28.11	27.02	25.69	24.12	22.30
		40	Q	162560	134830	110830	90190	72540	57480	44650
			P	35.64	34.24	32.62	30.75	28.64	26.28	23.66
		50	Q	141550	117030	95880	77720	62190	48900	37470
			P	41.98	39.71	37.19	34.43	31.41	28.12	24.57
H7	H6000CC	30	Q	225160	187680	155140	127040	102850	82070	64170
			P	33.07	33.46	33.00	31.82	30.07	27.89	25.42
		40	Q	198850	165310	136190	110970	89140	70200	53610
			P	41.72	40.64	38.83	36.44	33.61	30.47	27.17
		50	Q	172240	142620	116880	94540	75050	57920	42630
			P	49.43	46.92	43.83	40.27	36.41	32.37	28.29

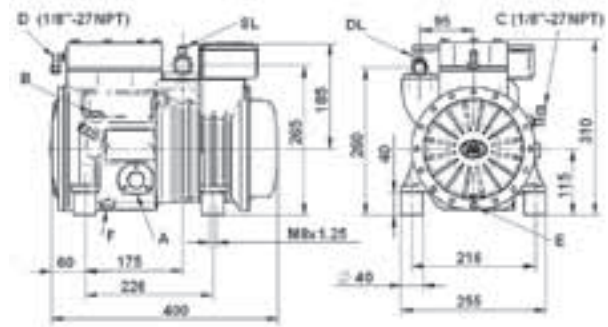
- Frequency rate 50Hz
- For 60Hz operation, data to be multiplied by 1.18
- Performance data are based on European Standard EN12900
- Never mix ester oils with different oils

Dorin Innovation Semi-Hermetic Motor Compressors Physical Specifications

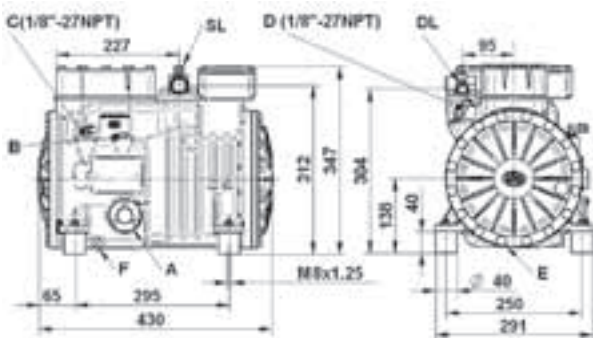
■ H1 Figure I



■ H2 Figure II



■ H32 Figure III



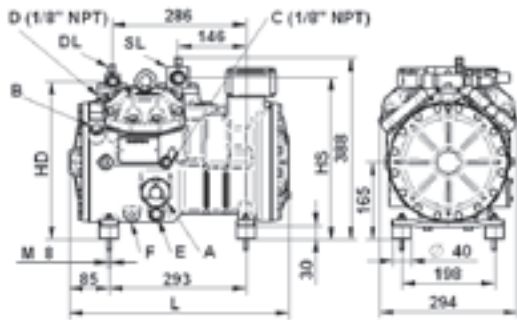
RANGE	MODEL	FIGURE	L (mm)	L* (mm)	H (mm)
H1	H40CC *	I	290	305	285
	H75CC *	I	290	316	285
	H100CC *	I	305	325	285
	H150CC *	I	305	340	285
	H180CC	I	325	357	285
	H200CC	I	325	357	285
	H220CC	I	325	357	290
	H250CC	I	340	357	295
	H280CC	I	340	357	295
H2	H300CC	II			
	H350CC	II			
	H380CC	II			
H32	H403CC	III			
	H503CC	III			

* Single Phase

- A Oil sight
- B Oil charge plug
- C Low pressure tap
- D High pressure tap
- E Oil drain plug
- F Crankcase heater
- DL Discharge service valve
- SL Suction service valve

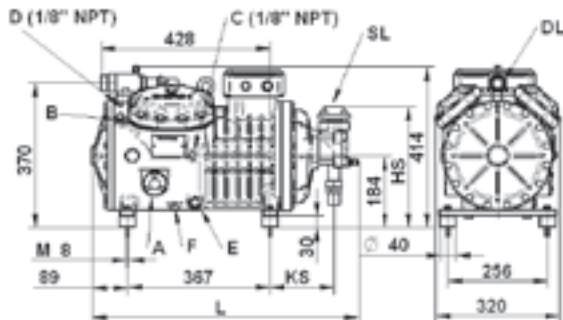
Dorin Innovation Semi-Hermetic Motor Compressors Physical Specifications (continued)

■ H35 Figure IV



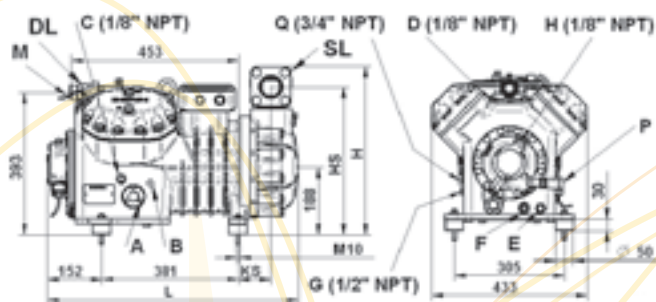
RANGE	MODEL	FIGURE	L (mm)	HS (mm)	HD (mm)
H35	H401CS	IV	470	344	336
	H450CC	IV	470	344	336
	H451CS	IV	470	347	336
	H551CC	IV	470	347	336
	H551CS	IV	470	347	340
	H701CC	IV	470	347	340
	H701CS	IV	470	347	340
	H751CC	IV	470	347	340
	H751CS	IV	470	347	340

■ H41 Figure V



RANGE	MODEL	FIGURE	L (mm)	KS (mm)	HS (mm)
H41	H851CS	V	640	143	254
	H1001CC	V	640	143	254
	H1001CS	V	640	143	254
	H1501CC	V	685	166	313
	H1501CS	V	640	143	254
	H2001CC	V	685	166	313
	H1601CS	V	685	166	313
	H2201CC	V	685	166	313

■ H5 Figure VI

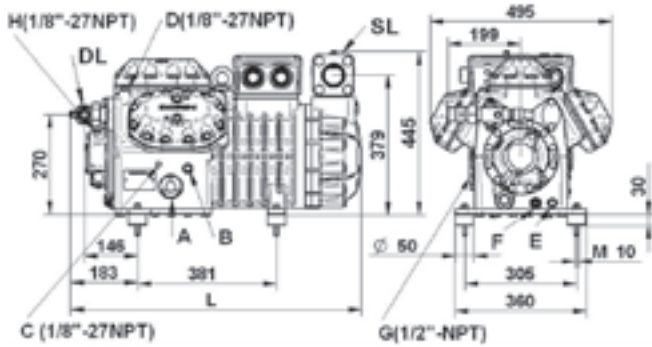


RANGE	MODEL	FIGURE	L (mm)	H (mm)	KS (mm)	HS (mm)
H5	H2000CS	VI	695	445	84	391
	H2500CC	VI	720	470	112	409
	H2500CS	VI	700	470	92	409
	H3000CC	VI	720	470	112	409
	H2700CS	VI	700	470	92	409
	H3200CC	VI	720	470	112	409
	H2900CS	VI	700	470	92	409
	H3400CC	VI	720	470	112	409

- A Oil sight
- B Oil charge plug
- C Low pressure tap
- D High pressure tap
- E Oil drain plug
- F Crankcase heater
- G Oil return
- H Oil pressure tap
- M Max disch. Temp. sensor
- P Oil diff. pressure switch
- Q Gas equalisation
- DL Discharge service valve
- SL Suction service valve

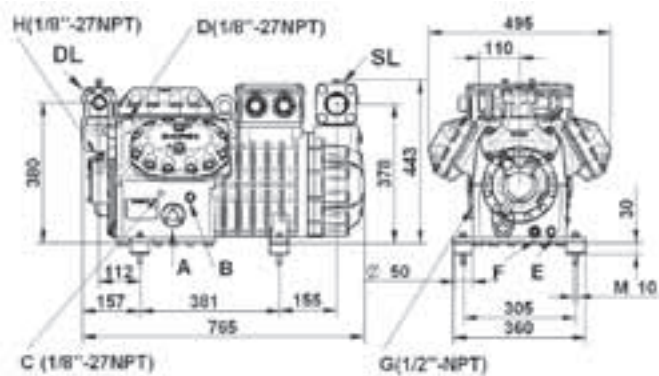
Dorin Innovation Semi-Hermetic Motor Compressors Physical Specifications (continued)

■ H6 Figure VII

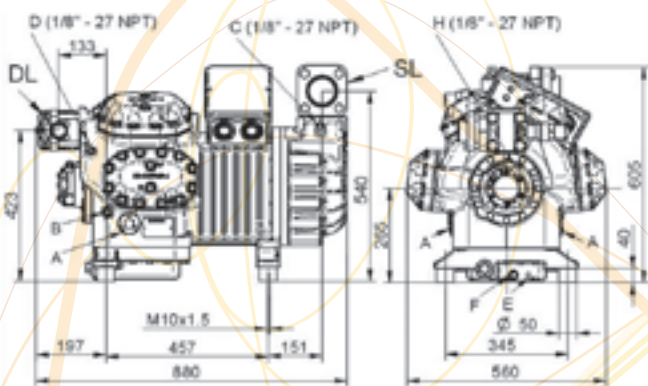


RANGE	MODEL	FIGURE	L (mm)	KS (mm)
H6	H3000CS	VII	770	134
	H3500CC	VII	790	154
	H3500CS	VII	770	134
	H4000CC	VII	790	154
	H4500CC	VIII	765	-
	H4500CS	VIII	765	-
H5000CC	VIII	765	-	

H6 Figure VIII



■ H7 Figure IX



RANGE	MODEL	FIGURE	L (mm)	H (mm)
H7	H6000CC	IX	880	560

- A Oil sight
- B Oil charge plug
- C Low pressure tap
- D High pressure tap
- E Oil drain plug
- F Crankcase heater
- G Oil return
- H Oil pressure tap
- M Max disch. Temp. sensor
- P Oil diff. pressure switch
- Q Gas equalisation
- DL Discharge service valve
- SL Suction service valve



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Unit 1/8 Gladstone Road, Castle Hill NSW 2154
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Padstow 02 9709 4822
36 Gibson Avenue, Padstow NSW 2211
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Unit 5, 84-90 Industrial Drive,
North Boambee, NSW 2450
Lismore 02 6622 2272
2/36 Wyrallah Road, Lismore NSW 2480
Newcastle 02 4956 2722
14 Kings Road, New Lambton NSW 2305
Orange 02 6362 8849
2-3/243 McLachlan Street, Orange NSW 2800
Port Macquarie 02 6581 4040
Unit 1/50 Jindalee Road,
Port Macquarie NSW 2444
Tamworth 02 6765 2566
Cnr Avro & Jewry Streets, Tamworth NSW 2340
Tuggerah 02 4353 3218
Unit 4/22 Reliance Drive, Tuggerah NSW 2259
Wagga Wagga 02 6921 1259
4b Norton Street, Wagga Wagga NSW 2650
Wollongong 02 4229 1313
4/103-107 Auburn Street, Wollongong NSW 2500

TAS

North Hobart (JV) 03 6231 5711
18 Wellington Street, North Hobart TAS 7000
Hobart (JV) 03 6228 6282
133 New Town Road, New Town TAS 7008
Launceston (JV) 03 6334 6969
2/225 Wellington Street, Launceston TAS 7250

SA
Adelaide 08 8354 0100
19-21 James Congdon Drive, Mile End SA 5031
Lonsdale 08 8326 4726
Unit 2/41-47 O'Sullivan Beach Road,
Lonsdale SA 5160
Mt. Gambier (A) 08 8723 0066
64 Sturt Street, Mt Gambier SA 5290
Port Lincoln (A) 08 8683 1880
Eyre Gas & Weld, 32 Windsor Avenue,
Port Lincoln SA 5606
Wingfield 08 8260 2255
Unit 1, 209 Cormack Road, Wingfield SA 5013

NT

Alice Springs (A) 08 8953 4277
1/8 Fogarty Street, Alice Springs NT 0870
Darwin 08 8984 3840
68 Raphael Road, Winnellie NT 0820

VIC METROPOLITAN

Bayswater 03 9720 1906
Unit 21, Corporate Boulevard, Bayswater VIC 3153
Burwood 03 9808 0244
Unit 12, 125 Highbury Road, Burwood VIC 3125
Dandenong 03 9799 5900
3/294 South Gippsland Highway, Dandenong South
VIC 3175
Derrimut 03 8353 2140
32 Derrimut Drive, Derrimut VIC 3030
Moorabbin 03 9532 2284
24 Kilpa Road, Moorabbin VIC 3189
Nunawading 03 9873 4155
30/41-49 Norcal Road, Nunawading VIC 3131
Preston 03 9480 0321
60A Albert Street, Preston VIC 3072
Tullamarine 03 9330 4222
17 Barrie Road, Tullamarine VIC 3043
West Melbourne 03 9328 3044
60-80 Adderley Street, West Melbourne VIC 3003

VIC REGIONAL

Geelong (JV) 03 5248 4533
7 Roxanne Place, Newcomb VIC 3219
Mildura (A) 03 5021 1855
337 Ettiwanda Avenue, Mildura VIC 3500
Shepparton (A) 03 5821 3669
15 Campbell Street, Shepparton VIC 3630
Traralgon 03 5174 6403
Unit 4, 13 Standing Drive, Traralgon VIC 3844

QLD METRO, GOLD COAST & SUNSHINE COAST
Brendale 07 3881 0070
Unit 118/193 South Pine Road, Brendale QLD 4500
Burleigh Heads 07 5593 6027
1/22 Hutchinson Street, Andrews QLD 4220
Coorparoo 07 3324 2135
3/56 Cambridge Street, Coorparoo QLD 4151
Geebung 07 3865 1399
1/452 Bilsen Road, Geebung QLD 4034
Gold Coast 07 5591 8188
3/16 Pinter Drive, Southport Qld 4215
Maroochydore 07 5479 4599
10A Kelly Court, Maroochydore QLD 4558
Newstead 07 3854 1761
32 Helen Street, Newstead QLD 4006
Salisbury 07 3274 1718
163 Evans Road, Salisbury QLD 4107
Underwood 07 3808 0300
Unit 3/74 Perrin Drive, Underwood QLD 4119

QLD REGIONAL

Cairns 07 4035 4300
88-90 Buchan Street, Cairns QLD 4870
Mackay 07 4957 7772
4/21 Victoria Street, Mackay QLD 4740
Rockhampton 07 4922 9066
147 Kent Street, Rockhampton QLD 4700
Toowoomba 07 4639 7900
Unit 3, 2 Prescott Street, Toowoomba QLD 4350
Townsville 07 4775 1800
25 Keane Street, Currajong QLD 4812

WA

Belmont 08 9478 5033
2/130 Francisco Street, Belmont WA 6104
O'Connor 08 9331 8055
Unit 2, 14A Hines Road, O'Connor WA 6163
Osborne Park 08 9244 5033
19 Howe Street, Osborne Park WA 6017

A = Agent JV = Joint Venture

new zealand

NORTH ISLAND

Auckland (Penrose) 09 525 7859
487 Great South Road, Penrose 1061
Auckland (Ponsonby) 09 361 6070
24a Williamson Avenue, Ponsonby 1021
Hamilton 07 838 3720
12 Devon Road, Frankton 3204
Hastings 06 873 3398
508 Warren Street, Mayfair 4122

Palmerston North 06 355 5449

589G Tremaine Avenue, Palmerston North 4410
Tauranga (A) 07 571 1444
177 Eleventh Ave, Tauranga 3110
Wellington 04 566 4760
78 Nelson Street, Petone 5012

SOUTH ISLAND

Christchurch 03 374 5888
116 Carlyle Street, Sydenham 8023
Dunedin 03 470 1074
8 Bombay Street, Dunedin 9016
Nelson 03 547 2901
Unit 10, 20 Forest Road, Stoke 7011

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