

Semi-Hermetic Compressors Dorin



R507/R404A LOW/MEDIUM/HIGH TEMPERATURE

PRODUCT NUMBER	NOM. HP	DISPL. m ³ /HR	NOMINAL CAPACITY R404A (Watts)										
			-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
H40CC	3/8	2.89	260	370	500	660	840	1050	1300	1580	1900	2260	2680
H40CC-S	3/8	2.89	260	370	500	660	840	1050	1300	1580	1900	2260	2680
H75CC	3/4	3.86	360	520	690	900	1160	1450	1780	2170	2610	3120	3700
H75CC-S	3/4	3.86	360	520	690	900	1160	1450	1780	2170	2610	3120	3700
H100CC	1.0	5.30	530	750	1010	1320	1700	2120	2610	3170	3820		
H100CC-S	1.0	5.30	530	750	1010	1320	1700	2120	2610	3170	3820		
H150CC	1.5	6.75	650	920	1240	1610	2070	2590	3190	3880	4660		
H150CC-S	1.5	6.75	650	920	1240	1610	2070	2590	3190	3880	4660		
H200CC	2.0	8.47	830	1180	1590	2080	2640	3310	4080	4960	5970	7130	8440
H220CC	2.2	9.88	960	1370	1860	2430	3080	3860	4750	5770	6950	8290	9830
H280CC	2.8	12.17	1150	1690	2300	3010	3830	4820	5950	7260	8750	10460	12410
H300CC	3.0	14.74	1300	1860	2530	3340	4320	5480	6840	8420	10250	12330	14700
H380CC	3.8	17.53	1580	2320	3190	4200	5400	6790	8410	10270	12410	14840	17600
H503CC	5.0	22.83	2020	3010	4190	5570	7200	9120	11340	13920	16890	20270	24110

R134a MEDIUM/HIGH TEMPERATURE

PRODUCT NUMBER	NOM. HP	DISPL. m ³ /HR	NOMINAL CAPACITY R134a (Watts)										
			-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
H40CC	3/8	2.89					440	600	790	1010	1270	1570	1920
H40CC-S	3/8	2.89					440	600	790	1010	1270	1570	1920
H75CC	3/4	3.86					600	830	1110	1430	1800	2240	2740
H75CC-S	3/4	3.86					600	830	1110	1430	1800	2240	2740
H100CC	1.0	5.30					940	1250	1610	2030	2520	3100	3760
H100CC-S	1.0	5.30					940	1250	1610	2030	2520	3100	3760
H150CC	1.5	6.75					1170	1520	1940	2420	2990	3660	4430
H150CC-S	1.5	6.75					1170	1520	1940	2420	2990	3660	4430
H200CC	2.0	8.47					1470	1930	2490	3140	3900	4790	5810
H220CC	2.2	9.88					1720	2260	2910	3670	4560	5590	6790
H280CC	2.8	12.17					2230	2940	3770	4750	5900	7230	8790
H300CC	3.0	14.74					2240	3020	3960	5060	6360	7860	9590
H380CC	3.8	17.53					2900	3820	4910	6200	7710	9460	11490
H503CC	5.0	22.83					3900	5200	6730	8530	10640	13110	15960

R22 LOW/MEDIUM/HIGH TEMPERATURE

PRODUCT NUMBER	NOM. HP	DISPL. m ³ /HR	NOMINAL CAPACITY R22 (Watts)										
			-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
H40CC	3/8	2.89	220	350	490	650	840	1050	1300	1590	1920	2300	2740
H40CC-S	3/8	2.89	220	350	490	650	840	1050	1300	1590	1920	2300	2740
H75CC	3/4	3.86	350	510	690	910	1160	1450	1800	2190	2650	3180	3780
H75CC-S	3/4	3.86	350	510	690	910	1160	1450	1800	2190	2650	3180	3780
H100CC	1.0	5.30	510	740	1010	1320	1700	2120	2610	3170	3820		
H100CC-S	1.0	5.30	510	740	1010	1320	1700	2120	2610	3170	3820		
H150CC	1.5	6.75	620	900	1220	1610	2050	2580	3190	3890	4710	5640	6700
H150CC-S	1.5	6.75	620	900	1220	1610	2050	2580	3190	3890	4710	5640	6700
H200CC	2.0	8.47	780	1130	1540	2020	2580	3240	4000	4890	5910	7080	8420
H220CC	2.2	9.88	910	1310	1790	2360	3000	3780	4670	5700	6890	8260	9820
H280CC	2.8	12.17	1120	1620	2210	2900	3700	4650	5750	7020	8490	10170	12090
H300CC	3.0	14.74	1200	1720	2360	3110	3970	5170	6560	8160	10010	12130	14550
H380CC	3.8	17.53	1390	2000	2740	3630	4570	6050	7760	9740	12010	14630	17620
H503CC	5.0	22.83	2050	2940	3990	5230	6700	8420	10410	12720	15350	18350	21740

Rating Conditions: 45°C Condensing, 25°C Return Gas, 0K Subcooling

Semi-Hermetic Compressors Dorin – cont'd

R507/R404A LOW/MEDIUM/HIGH TEMPERATURE

VOLTAGE	ELECTRICAL		BODY TYPE	DIMENSIONS			CONNECTIONS (mm)		OIL CHARGE ml	NETT WEIGHT (kg)	REPLACES MODEL
	CURRENT			LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.			
	MCC	LRA									
415/3	1.8	9.0	H1	310	230	286	12 S	12 S	910	32	K40CC
240/1	6.0	30.0	H1	310	230	286	12 S	12 S	910	32	K40CC-S
415/3	2.4	11.1	H1	310	230	286	12 S	12 S	910	34	K75CC
240/1	9.0	44.0	H1	310	230	286	12 S	12 S	910	34	K75CC-S
415/3	2.9	13.8	H1	310	230	286	16 S	12 S	910	35	K100CC
240/1	10.0	62.0	H1	310	230	286	16 S	12 S	910	35	K100CC-S
415/3	3.4	15.6	H1	310	230	286	16 S	12 S	910	37	K150CC
240/1	13.5	69.0	H1	310	230	286	16 S	12 S	910	37	K150CC-S
415/3	6.0	24.4	H1	325	230	286	16 S	16 S	910	40	K200CC
415/3	6.0	24.4	H1	325	230	286	18 S	16 S	910	40	K235CC
415/3	7.1	32.0	H1	340	230	286	18 S	16 S	910	42	K280CC
415/3	9.4	43.6	H2	400	255	310	22 S	16 S	1275	54	K300CS
415/3	9.4	43.6	H2	400	255	310	28 S	16 S	1275	54	K400CC
415/3	13.5	63.1	H32	430	291	347	28 S	16 S	1820	87	K500CC

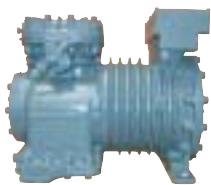
R134a MEDIUM/HIGH TEMPERATURE

VOLTAGE	ELECTRICAL		BODY TYPE	DIMENSIONS			CONNECTIONS (mm)		OIL CHARGE ml	NETT WEIGHT (kg)	REPLACES MODEL
	CURRENT			LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.			
	MCC	LRA									
415/3	1.8	9.0	H1	310	230	286	12 S	12 S	910	32	K40CC
240/1	6.0	30.0	H1	310	230	286	12 S	12 S	910	32	K40CC-S
415/3	2.4	11.1	H1	310	230	286	12 S	12 S	910	34	K75CC
240/1	9.0	44.0	H1	310	230	286	12 S	12 S	910	34	K75CC-S
415/3	2.9	13.8	H1	310	230	286	16 S	12 S	910	35	K100CC
240/1	10.0	62.0	H1	310	230	286	16 S	12 S	910	35	K100CC-S
415/3	3.4	15.6	H1	310	230	286	16 S	12 S	910	37	K150CC
240/1	13.5	69.0	H1	310	230	286	16 S	12 S	910	37	K150CC-S
415/3	6.0	24.4	H1	325	230	286	16 S	16 S	910	40	K200CC
415/3	6.0	24.4	H1	325	230	286	18 S	16 S	910	40	K235CC
415/3	7.1	32.0	H1	340	230	286	18 S	16 S	910	42	K280CC
415/3	9.4	43.6	H2	400	255	310	22 S	16 S	1275	54	K300CS
415/3	9.4	43.6	H2	400	255	310	28 S	16 S	1275	54	K400CC
415/3	13.5	63.1	H32	430	291	347	28 S	16 S	1820	87	K500CC

R22 LOW/MEDIUM/HIGH TEMPERATURE

VOLTAGE	ELECTRICAL		BODY TYPE	DIMENSIONS			CONNECTIONS (mm)		OIL CHARGE ml	NETT WEIGHT (kg)	REPLACES MODEL
	CURRENT			LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.			
	MCC	LRA									
415/3	1.8	9.0	H1	310	230	286	12 S	12 S	910	32	K40CC
240/1	6.0	30.0	H1	310	230	286	12 S	12 S	910	32	K40CC-S
415/3	2.4	11.1	H1	310	230	286	12 S	12 S	910	34	K75CC
240/1	9.0	44.0	H1	310	230	286	12 S	12 S	910	34	K75CC-S
415/3	2.9	13.8	H1	310	230	286	16 S	12 S	910	35	K100CC
240/1	10.0	62.0	H1	310	230	286	16 S	12 S	910	35	K100CC-S
415/3	3.4	15.6	H1	310	230	286	16 S	12 S	910	37	K150CC
240/1	13.5	69.0	H1	310	230	286	16 S	12 S	910	37	K150CC-S
415/3	6.0	24.4	H1	325	230	286	16 S	16 S	910	40	K200CC
415/3	6.0	24.4	H1	325	230	286	18 S	16 S	910	40	K235CC
415/3	7.1	32.0	H1	340	230	286	18 S	16 S	910	42	K280CC
415/3	9.4	43.6	H2	400	255	310	22 S	16 S	1275	54	K300CS
415/3	9.4	43.6	H2	400	255	310	28 S	16 S	1275	54	K400CC
415/3	13.5	63.1	H32	430	291	347	28 S	16 S	1820	87	K500CC

Semi-Hermetic Compressors **DWM Copeland**



R404A LOW/MEDIUM/HIGH TEMPERATURE

PRODUCT NUMBER	NOMINAL		NOMINAL CAPACITY - R404A (Watts)										
	HP	kW	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
DKSJ-15X-EWL	1.5	1.1	620	890	1210	1580	2020	2540	3150	3850	4650		
DLE-20X-EWL	2.0	1.5		830	1380	2010	2740	3600	4550	5700	7000	8500	10250
DLF-30X-EWL	3.0	2.2	1020	1600	2300	3100	4050	5200	6500	8000	9700	11650	
DLJ-30X-EWL	3.0	2.2	1130	1770	2540	3450	4500	5700	7150	8800	10700	12850	
DLL-40X-EWL	4.0	3.0	1490	2270	3200	4350	5700	7350	9250	11450	13950	16900	
D2DC-50X-AWM	5.0	3.7		1160	2130	3250	4550	6050	7800	9800	12150	14800	
D2DD-50X-AWM	5.0	3.7		1650	2740	4000	5500	7200	9150	11450	14100	17100	
D2DB-75X-AWM	7.5	5.6		4100	5650	7450	9550	12000	14800	18100	21800	26100	
D2DL-75X-AWM	7.5	5.6		3110	4450	6000	7800	9850	12300	15100	18300	22000	
D3DA5-75X-AWM	7.5	5.6		4550	6350	8350	10700	13450	16600	20300	24500	29300	
D3DC5-100X-AWM	10.0	7.5		5850	7850	10200	12900	16100	19800	24000	29000	34500	
D3DS5-150X-AWM	15.0	11.2		8500	11150	14150	17700	21800	26500	32000	38500	45500	
D4DA-200X-AWM	20.0	15.0			11050	14700	19000	24000	29700	36500	44000	53000	
D4DH-250X-AWM	25.0	18.7			14150	18700	24100	30500	37500	46000	55500	66500	
D4DJ-300X-AWM	30.0	22.5			17700	23200	29600	37000	45500	55500	67000	80000	
D6DH-350X-AWM	35.0	26.1			23100	29600	37000	46000	56000	67500	81000	96000	
D6DJ-400X-AWM	40.0	30.0			27200	34500	43500	53500	65000	78500	94500	112000	
D8DH-500X-BWM	50.0	37.3				40000	51000	63000	77500	94000	113000	134500	
D8DJ-600X-BWM	60.0	44.8				46500	59000	73500	90500	110000	132500	158000	

R22 LOW/MEDIUM/HIGH TEMPERATURE

PRODUCT NUMBER	NOMINAL		NOMINAL CAPACITY - R22 (Watts)										
	HP	kW	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
DKSJ-15X-EWL	1.5	1.1	600	830	1120	1490	1930	2440	3050	3700	4500	5350	6250
DLE-20X-EWL	2.0	1.5	550	930	1390	1960	2650	3450	4450	5600	6900	8450	10200
DLF-30X-EWL	3.0	2.2	900	1380	2020	2820	3800	4950	6250	7800	9500	11400	13500
DLJ-30X-EWL	3.0	2.2	1080	1630	2370	3300	4400	5700	7200	8900	10750	12850	15100
DLL-40X-EWL	4.0	3.0		2260	3200	4300	5700	7300	9100	11200	13500	16100	18900
D2DC-50X-AWM	5.0	3.7					4350	5900	7700	9750	12150	14900	18100
D2DD-50X-AWM	5.0	3.7					5250	7000	9050	11400	14150	17300	20800
D2DB-75X-AWM	7.5	5.6					8800	11200	14000	17200	21000	25200	30000
D2DL-75X-AWM	7.5	5.6					6750	8900	11400	14300	17600	21400	25800
D3DA5-75X-AWM	7.5	5.6					9850	12750	16100	20000	24500	29700	35500
D3DC5-100X-AWM	10.0	7.5					11900	15300	19200	23700	28900	35000	42000
D3DS5-150X-AWM	15.0	11.2					16600	20800	25700	31500	38000	45500	54000
D4DA-200X-AWM	20.0	15.0					18600	23600	29300	36000	43500	52500	62500
D4DH-250X-AWM	25.0	18.7					24000	30000	37000	45500	54500	65500	78000
D4DJ-300X-AWM	30.0	22.5					28700	35500	43500	53000	63500	75500	89500
D6DH-350X-AWM	35.0	26.1					35500	45000	55500	67500	81500	98000	116000
D6DJ-400X-AWM	40.0	30.0					41000	52000	64500	79000	95500	114500	136500
D8DH-500X-BWM	50.0	37.3						74500	92000	112000	135000	161000	192500
D8DJ-600X-BWM	60.0	44.8						89000	110000	134000	161500	192500	

R134a MEDIUM/HIGH TEMPERATURE

PRODUCT NUMBER	NOMINAL		NOMINAL CAPACITY - R134a (Watts)										
	HP	kW	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
DKSJ-15X-EWL	1.5	1.1					1175	1540	1970	2480	3080	3780	4595
DLE-20X-EWL	2.0	1.5					1565	2115	2785	3575	4510	5600	6865
DLF-30X-EWL	3.0	2.2					2195	2925	3800	4840	6060	7485	9135
DLJ-30X-EWL	3.0	2.2					2575	3360	4305	5425	6745	8280	10060
DLL-40X-EWL	4.0	3.0					3165	4230	5500	7000	8770	10830	13220
DLSG-40X-EWL	4.0	3.0					4260	5590	7150	8990	11160	13680	16610

R404A LOW TEMPERATURE

PRODUCT NUMBER	NOMINAL		NOMINAL CAPACITY - R404A (Watts)										
	HP	kW	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10
D2DL-40X-AWM	4.0	3.0		3800	5100	6600	8400	10450	12800				
D2DB-50X-AWM	6.0	4.5		4900	6450	8350	10550	13100	16100				
D3DA5-50X-AWM	6.0	4.5		5350	7000	9000	11300						
D3DC5-75X-AWM	7.5	5.6		6400	8450	10850	13650						
D3DS5-100X-AWM	10.0	7.5		9100	11750	14800	18400						
D4DF-100X-AWM	10.0	7.5		9650	12850	16700	21100	2630					
D4DL-150X-AWM	15.0	11.2		13150	17000	21700	27100	33500					
D4DT-220X-AWM	22.0	16.4		15500	19900	25200	31500	38500					
D6DL-270X-AWM	27.0	20.1		19300	24900	31500	39000	48000	58500				
D6DT-300X-AWM	30.0	22.5		23200	29800	37500	47000	57500	70000				
D8DL-370X-BWM	37.0	27.6		28100	36000	45500	57000	70000					
D8DT-450X-BWM	45.0	33.6		32500	41500	52500	65000	80000					

Head cooling Fan required

Capacity Ratings: Medium Temperature Tables 45°C Condensing/Low Temperature Tables 40°C Condensing (Even though some compressors satisfy applications outside the nominated ranges) 20°C Return Vapour, No liquid subcooling.

Supplied as standard: Crankcase Heater, Oil Failure Control, one bank of inactive capacity control on all D4D, D6D & D8D compressors.

Two banks of inactive control on all D6DH-350, D8DH-500 & D8DJ-600 compressors

Semi-Hermetic Compressors DWM Copeland – cont'd

R507/R404A LOW/MEDIUM/HIGH TEMPERATURE

ELECTRICAL (415-3)			DIMENSIONS (mm)			CONNECTIONS (mm)		OIL CHARGE (ltr)	NETT WEIGHT (kg)
RLA	LRA	MCC	LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.		
3.2	20.4	3.4	365	235	280	15.8	12.7	0.65	40
4.6	37.6	5.7	470	330	385	22.0	15.8	2.00	78
6.0	53	7.2	470	330	385	22.0	15.8	2.00	80
6.8	53	8.1	470	330	385	22.0	15.8	2.00	83
7.9	68.5	9.5	470	330	385	28.0	15.8	2.00	87
7.1	55	9	590	330	470	35.0	22.0	2.37	132
8.0	55	10.3	590	330	470	35.0	22.0	2.37	132
11.9	70	15.4	590	330	470	35.0	22.0	2.37	136
10.2	70	13.0	590	330	470	35.0	22.0	2.37	136
13.7	106	17.5	710	370	490	35.0	28.0	3.70	156
16.0	121	20.5	710	370	490	35.0	28.0	3.70	163
21.3	129	29.0	710	370	490	41.0	28.0	3.70	168
24.5	160	32.5	690	535	495	41.0	35.0	3.99	185
31.6	192	41.5	690	535	495	54.0	35.0	3.99	194
39.3	218	52.0	690	535	495	54.0	35.0	3.99	196
47.5	284	63.5	760	580	545	54.0	41.0	4.14	228
60.4	347	83.0	760	580	545	54.0	41.0	7.54	249
57.4	444	88.0	760	580	545	66.0	41.0	7.69	323
85.4	544	114.0	760	580	545	80.0	41.0	7.69	335

R22 LOW/MEDIUM/HIGH TEMPERATURE

ELECTRICAL (415-3)			DIMENSIONS (mm)			CONNECTIONS (mm)		OIL CHARGE (ltr)	NETT WEIGHT (kg)
RLA	LRA	MCC	LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.		
2.7	20.4	3.4	365	235	280	15.8	12.7	0.65	40
4.5	37.6	5.7	470	330	385	22.0	15.8	2.00	78
5.5	53	7.2	470	330	385	22.0	15.8	2.00	80
6.1	53	8.1	470	330	385	22.0	15.8	2.00	83
7.1	68.5	9.5	470	330	385	28.0	15.8	2.00	87
6.6	55.0	9.0	590	330	470	35.0	22.0	2.37	132
7.3	55.0	10.3	590	330	470	35.0	22.0	2.37	132
11.9	63.0	15.6	590	330	470	35.0	22.0	2.37	136
10.2	63.0	13.0	590	330	470	35.0	22.0	2.37	136
13.7	88.0	18.0	710	370	490	35.0	28.0	3.70	156
16.0	114.0	21.3	710	370	490	35.0	28.0	3.70	163
21.3	123.0	29.0	710	370	490	41.0	28.0	3.70	168
24.5	144.0	32.5	690	535	495	41.0	35.0	3.99	185
31.6	164.0	41.5	690	535	495	54.0	35.0	3.99	194
39.3	186.0	52.5	690	535	495	54.0	35.0	3.99	196
47.5	284.0	63.5	760	580	545	54.0	41.0	4.14	228
60.4	347.0	83.0	760	580	545	54.0	41.0	7.54	249
57.4	444.0	88.0	760	580	545	66.0	41.0	7.69	323
85.4	544.0	113.0	760	580	545	80.0	41.0	7.69	335

R134a MEDIUM/HIGH TEMPERATURE

ELECTRICAL (415-3)			DIMENSIONS (mm)			CONNECTIONS (mm)		OIL CHARGE (ltr)	NETT WEIGHT (kg)
RLA	LRA	MCC	LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.		
2.8	23.8	3.4	354	233	263	15.8	12.7	0.71	40
4.8	37.6	5.5	447	330	354	22.0	15.8	2.61	78
5.9	50.5	7.2	447	330	354	22.0	15.8	2.61	80
6.6	53.0	7.4	447	330	354	22.0	15.8	2.61	83
7.8	65.3	9.3	447	330	354	28.0	15.8	2.61	87
7.0	68.5	8.6	447	330	354	28.0	15.8	2.61	82

R404A LOW TEMPERATURE

ELECTRICAL (415-3)			DIMENSIONS (mm)			CONNECTIONS (mm)		OIL CHARGE (ltr)	NETT WEIGHT (kg)
RLA	LRA	MCC	LENGTH	WIDTH	HEIGHT	SUCTION	DISCH.		
TBA	TBA	TBA	590	330	470	35.0	22.0	2.37	132
8.4	50.0	11.5	590	330	470	35.0	22.0	2.37	132
9.5	50.0	11.3	710	370	490	35.0	28.0	3.70	156
11.3	66.0	13.8	710	370	490	35.0	28.0	3.70	156
15.3	114.0	19.5	710	370	490	35.0	28.0	3.70	163
16.8	87.0	21.0	690	535	495	41.0	28.0	3.99	173
22.7	123.0	28.5	690	535	495	41.0	35.0	3.99	183
26.5	144.0	33.0	690	535	495	54.0	35.0	3.99	187
32.7	185.0	43.0	760	580	545	54.0	35.0	4.14	222
39.9	218.0	55.0	760	580	545	54.0	35.0	7.54	239
48.5	309.0	58.5	760	580	545	66.0	41.0	7.69	323
70.0	390.0	69.0	760	580	545	80.0	41.0	7.69	335