

COMPRESSORS - HERMETIC

Superseded
Models

Nom.
HP

Nominal rating (watts) @ 54 Deg C Cond.Temp.

Disp
(cc)

Motor
Type

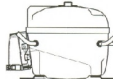
Motor
Cooling

Refrig
Control

Wt.
(Kg)

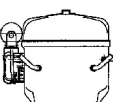
R134a LOW MODELS [Emkarate RL22HB POE lubricant]

[-25°C to -5°C evap temp range]

	BPM1072Z	AZ33LY	1/12	81							3.40	RSIR	ST	C	7.1
	BPM1084Z	B1085A, AE8ZA7,	1/8	102							4.15	RSIR	ST	C	7.1
	NB2112Z	NB1112Z	1/6	126	169	220	280	348			6.26	CSIR	ST	C	9.5
	NB1118Z	B3116B#, B3118B#	1/5	179	243	316	404	501			8.00	RSIR	ST	C	10.4
BP series	NE3121Z	AE5ZF9, AE4ZF11													
		E3121A, AE1385A	1/4	229	303	393	497	618			13.60	RSIR	OC	C	11.1
	NE3130Z	AE4ZG12, E3121Z													
		E3130B, AE1411A	1/3	313	412	531	671	830			15.28	RSIR	OC	C	11.1
	T2134Z	-	3/8	357	482	639	830	1055			19.04	CSIR	FC	C/V	13.9
	T2140Z	-	1/2	389	547	746	986	1266			22.40	CSIR	FC	C/V	14.0

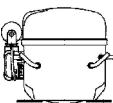
R134a MED/HIGH MODELS [Emkarate RL22HB POE lubricant]

[-15°C to 10°C evap temp range]

	NB5132Z	AE5HY, B5132Z	1/6					250	314	387	4.85	RSIR	ST	C	9.5
	NB5144Z	AE6LMY, B5144Z	1/6					326	403	492	5.9	RSIR	FC	C	9.8
	NB6144Z	AE8LMY, B6144Z	1/5					326	403	492	5.9	CSIR	FC	C/V	9.7
	NE6160Z	AE4430Y, B6160Z	1/5					374	492	623	8.0	CSIR	FC	C/V	9.9
NB series	NE6170Z	AE4440Y, B6170Z	1/4					443	570	718	8.85	CSIR	FC	C/V	10.3
	NE6187Z	AE4448Y, E6187Z	1/3					637	804	997	12.0	CSIR	FC	C/V	10.8
	NE6210Z	AE14LMY	1/3					723	913	1134	13.6	CSIR	FC	V/V	11.7
	T6213Z	AE16LMY	3/8					835	1068	1335	17.4	CSIR	FC	C/V	13.7
	T6215Z	AKA4476Y, AJ22LMY	1/2					1003	1288	1616	20.4	CSIR	FC	C/V	14.2
	NJ6220Z	AJA4492Y, AJ26LMY	3/4					1471	1881	2330	26.2	CSIR	FC	C/V	19.7
	NJ6226Z	AJA4512Y, AJ34LMY	1					1764	2226	2732	34.4	CSR	FC	C/V	22.0

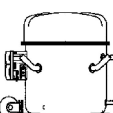
R404A LOW MODELS [Emkarate RL22HB POE lubricant]

[-30°C to -10°C evap temp range]

	NE2125GK	AE8MG, E2125GK	1/3	204	303	416	544	687			8.9	CSIR	FC	C/V	10.6
	NE2134GK	AE12LMY, E2134GK	1/2	283	424	585	765	965			12.0	CSIR	FC	C/V	10.7
	T2155GK	AE16LMY	5/8	368	524	717	948	1215			14.5	CSR	FC	C/V	14.9
	T2168GK	AKL19ZS, AJ18LZ	3/4	487	678	906	1169	1467			17.4	CSR	FC	C/V	15.3
NE series	T2178GK	-	1	606	827	1081	1368	1688			20.4	CSR	FC	C/V	16.7
	T2180GK	-	1.12	639	873	1147	1460	1813			22.4	CSR	FC	C/V	17.3
	NJ2192GK	AKL26ZS, AJ26LZ	1.25	752	1021	1345	1725	2161			26.2	CSR	FC	C/V	22.8
	NJ2212GK	AJ33LZ, AJ34LZ	1.5	945	1333	1775	2273	2825			34.4	CSR	FC	C/V	22.0

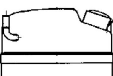
R404A MED/HIGH MODELS [Emkarate RL22HB POE lubricant]

[-10°C to 10°C evap temp range]

	NE6181GK	B6181GK	1/4					565	689	836	1006	1200	7.4	CSIR	FC	C/V	10.9
	NE6210GK	E6210GK	1/3					669	821	999	1205	1436	8.9	CSIR	FC	C/V	10.6
	NE9213GK	E9213GK	3/8					862	1080	1327	1602	1906	12.0	CSR	FC	C/V	11.6
	T6217GK		1/2					959	1220	1512	1833	2184	14.5	CSIR	FC	C/V	14.6
T series	T6220GK		5/8					1161	1471	1823	2214	2647	17.4	CSR	FC	C/V	14.6
	NJ9226GK		3/4					1584	1998	2470	2998	3584	21.7	CSR	FC	C/V	22.1
	NJ9232GK		1.25					1940	2456	3045	3706	4441	26.1	CSR	FC	C/V	22.2
	NJ9238GK		1.5					2415	3014	3697	4463	5313	32.7	CSR	FC	C/V	22.1

R22 MED/HIGH MODELS [Fuchs Reniso EM46 alkyl benzene lubricant]

[-5°C to 15°C evap temp range]

	NB6152E+	AE6MHG, B6152E	1/5					394	483	584	697		4.85	CSIR	FC	C/V	10.2
	NE6181E	AE8MG-1, B6181E	1/4					561	705	873	1063		7.4	CSIR	FC	C/V	10.9
	NE6210E	AE9MG-1, E6210E	1/3					670	836	1026	1241		8.9	CSIR	FC	C/V	10.6
	NE9213E	AE12MG-1, E9213E	3/8					980	1220	1491	1792		12.0	CSR	FC	C/V	11.9
NJ series	T6217E	AE14MG-1	1/2					1073	1388	1728	2093		14.5	CSR	FC	C/V	16.1
	T6220E		5/8					1345	1682	2065	2494		17.4	CSR	FC	C/V	16.2
	NJ9226E	AJ20MG-1	3/4					1792	2249	2769	3352		21.7	CSR	FC	C/V	20.0
	NJ7228FR	AJ24MG-1	1.0					1976	2325	2992	3786		23.8	CSR	FC	C/V	22.0
	NJ9232E	AJ26MG-1	1.25					2159	2695	3313	4013		26.2	CSR	FC	C/V	20.2
	NJ9238E	AJ34MG-1	1.5					2802	3427	4131	4914		32.7	CSR	FC	C/V	21.0
	NJ7240FR	-	1.75					3075	3617	4443	5369		34.4	CSR	FC	C/V	22.0

R22 AIRCONDITIONING MODELS [Bantelon Avilub FC32 MO lubricant]

[-5°C to 15°C evap temp range]

NJ series	NJ7228FA	AJA5510EXC	1.0					1976	2325	2992	3786		23.8	PSC	FC	C	22.0
	NJ7231FA	AJB5515EXC	1.25					2317	2726	3315	3974		26.2	PSC	FC	C	19.8
	NJ7238EA	AJA5518EXC	1.5					2830	3328	4048	4931		32.7	PSC	FC	C	21.0
	NJ7240FA	AJA5519EXC	1.75					3075	3617	4443	5369		34.4	PSC	FC	C	22.0

Note: Above models are 220 - 240/1/50. All compressors are complete with electrics. Standards connections are stub suction & stub discharge except J comps (CSR & CSIR type) which come complete with rotolock suction & stub discharge.

Old model with oil cooler.

+ Model NB6152 has Shell 32 Visc alkylbenzene lubricant.

COMPRESSORS - HERMETIC

R404A / R134a MODELS

(Compressors supplied less valve kit)

(ICI RL32CF or Mobil Artic 22CC POE Lubricant)

R404A LOW / MED
R134a MED / HIGH

(-32° C to 0° C evap temp range)
(-20° C to 12.5° C evap temp range)

Superceded
Models

Nom
HP

Nominal rating (watts) @ 54 deg C Condensing

Disp Refrig Wt
(cc)* Cont. (Kg)

Single Phase CSR (220-240V / 1 / 50Hz)

CS10K6E-PFJ		1.75
CS14K6E-PFJ	AH49MHY-1	2.25
CS18K6E-PFJ		2.75

Three Phase (380-420V / 3 / 50Hz)

CS14K6E-TFD		2.25
CS18K6E-TFD		2.75
CS20K6E-TFD	AH74MHY-2	3.0
CS27K6E-TFD		4.0
CS33K6E-TFD		5.0

R404A					R134a				
-25	-20	-15	-10	-5	-10	-5	0	5	10
440	989	1509	2058	2664	984	1446	1997	2652	3420
1231	1757	2356	3040	3760	1368	1982	2712	3580	4600
1500	2089	2854	3770	4830	1825	2646	3600	4760	6140
1231	1757	2356	3040	3760	1368	1982	2712	3580	4600
1500	2089	2854	3770	4830	1825	2646	3600	4760	6140
1468	2265	3120	4140	5410	2345	3230	4290	5500	6820
2175	3100	4230	5520	7050	3240	4250	5430	7060	9300
2704	3690	4920	6460	8390	3540	4860	6480	8300	10320

R22 MED / HIGH MODELS

(-20° C to 12.5° C evap temp range)

(Suniso 3GS Lubricant)

Single Phase CSR (220-240V / 1 / 50Hz)

CRC1-0175-PFJ	AWA5522EXC	1.75
CR24KQ-PFZ	CRD1-0200-PFJ	2.0
	AWA5524EXC	

CR28KQ-PFZ-R	CRE2-0225-PFJ	2.25
	AWA5528EXC	
CR28KQ-PFZ-S	CRE2-0225-PFJ	2.25
	Stub conn version.	

Three Phase (380-420V / 3 / 50Hz)

CR33KQ-TFD	CRG3-0250-TFD	2.5
	AH49MG,AW5532	
CR41KQ-TFD	CRK3-0325-TFD	3.25
	AVA5542EXG	
CR53KQ-TFD	CRM3-0400-TFD	4.0
	AGA5553EXG	
CRN5-0500-TFD	AGA5561EXG	5.0
BRE4-0750-TFD	AND5590EXG	7.5
BRG2-0900-TFD	AND5610EXG	9.0
BRH2-1000-TFD	AND5612EXG	10.0
BRK2-1200-TFD	AND5614EXG	12.0

R22					
-10	-5	0	5	7.2	10
NO LONGER AVAILABLE					
2165	3070	4090	5328	5860	6720
3540	4660	5980	6580	7490	
2572	3540	4660	5980	6580	7490
2922	4010	5380	7000	7740	8820
4150	5580	7300	9280	10200	11550
5680	7550	9680	12050	13100	14720
NO LONGER AVAILABLE. REFER TO SCROLL ZR61					
NO LONGER AVAILABLE. REFER TO SCROLL ZR94					
NO LONGER AVAILABLE. REFER TO SCROLL ZR108					
NO LONGER AVAILABLE. REFER TO SCROLL ZR125					
NO LONGER AVAILABLE. REFER TO SCROLL ZR144					

Ratings based on return Vapour Temp. of 32 Deg C. 0 Deg C subcooling

ROTOLOCK VALVE KITS

Suct P/No.	Disch P/No.		Suction	Discharge
KPV04	KPV01	CS10,12,14,18 & 20 CRC-0175 Thru CR41KQ	3/4" F.Sw x 1-1/4"- 12 (L port)	3/8" F.Sw x 1"- 14 (L/R port)
KPV05	KPV06	CS27 & 33 CR53KQ,CRN-0500,ZS38,45	7/8" F.Sw x 1-1/4"- 12 (R port)	1/2" F.Sw x 1"- 14 (L/R port)
KPV02	KPV04	BRE-0750,BRG-0900 ZB58,66 & 76	1-1/8" F.Sw x 1-3/4"- 12 (R port)	3/4" F.Sw x 1- 1/4"-12 (L port)
KPV10	KPV05	BRH-1000, BRK-1200	1-3/8" F.Sw x 1-3/4"- 12 (R port)	7/8" F.Sw x 1- 1/4"-12 (L





NOTES

For PSC operation in lieu of CSR, use Run Capacitor only.
PSC operation is only suitable for use with pressure equalised systems (eg. Capillary feed.)

* Displacement (cc) x 0.17 = m3/hr @2800 compressor RPM.

COMPRESSORS - SCROLL

AIR CONDITIONING SCROLL COMPRESSORS




	Nom	Elect	Nominal rating (Kws) @ 54 deg C Cond						Conns	Disp	Wt	Height
	HP	Supply	R22						Size	(m³/hr)	(Kg)	(mm)
			-5°	0°	5°	7.2°	10°					
	QUANTUM											
	ZR28K3-PFJ-522 ∞	2.3	220-240/1/50	4.0	5.1	6.3	7.0	7.6	19.2/12.8	6.8	29	385
	ZR34K3-PFJ-522 ∞	2.8	220-240/1/50	4.8	6.1	7.6	8.3	9.1	19.2/12.8	8.0	30	410
	ZR36K3-PFJ-522 ∞	3.0	220-240/1/50	5.2	6.6	8.0	8.9	9.8	19.2/12.8	8.4	31	410
	ZR40K3-PFJ-522 ∞	3.3	220-240/1/50	5.7	6.9	8.4	9.0	10.0	19.2/12.8	9.4	32	400
	ZR47K3-PFJ-522 ∞	3.9	220-240/1/50	7.2	8.8	10.6	11.5	12.7	22.4/12.8	11.1	40	440
ZR47KC-TFD-522	3.9	380-420/3/50	7.2	8.8	10.6	11.5	12.7	22.4/12.8	11.1	40	440	
	QUEST											
	ZR61KC-PFZ-523 ∞	5.1	220-240/1/50	8.9	10.9	13.1	14.7	15.7	19.2/12.8	14.4	41	460
	ZR61KC-TFD-523	5.1	380-420/3/50	8.9	10.9	13.1	14.7	15.7	19.2/12.8	14.4	41	460
	ZR68KC-PFJ-522 ∞	5.5	220-240/1/50	10.3	12.5	15.1	16.5	18.0	22.4/12.8	16.2	42	460
	ZR68K3-TFD-523	5.5	380-420/3/50	10.3	12.5	15.1	16.5	18.0	22.4/12.8	16.2	42	460
	ZR72KC-TFD-523	6.0	380-420/3/50	11.1	13.5	16.2	17.8	19.2	22.4/12.8	17.0	44	460
ZR72KC-TFD-522	6.0	380-420/3/50	11.1	13.5	16.2	17.8	19.2	22.4/12.8	17.0	44	460	
ZR81KC-TFD-523	6.5	380-420/3/50	12.3	15.0	18.2	19.8	21.8	22.4/12.8	19.2	45	465	
	SUMMIT											
	ZR94KC-TFD-523	8.0	380-420/3/50	13.9	17.2	21.0	23.2	25.1	28.0/19.2	22.1	58	495
	ZR108KC-TFD-523	9.0	380-420/3/50	16.5	20.1	24.1	26.9	28.6	35.0/22.4	25.1	73	555
	ZR125KC-TFD-523	10.0	380-420/3/50	19.1	23.3	27.9	31.0	33.2	35.0/22.4	28.8	78	555
	ZR144KC-TFD-523	12.0	380-420/3/50	21.5	26.3	31.6	34.7	37.5	35.0/22.4	33.2	80	555
	SPECTER											
	ZR16M3-TWD-551	13.0		23.3	28.6	34.4	37.7	40.9	35.0/22.4	35.6	110	546
	ZR19M3-TWD-551	15.0	380-420/3/50	28.6	34.9	41.8	45.9	49.8	54.0/35.0	42.1	119	592
	ZR250KC-TWD-551	20.0	380-420/3/50	34.3	42.5	51.0	55.6	61.0	-	-	140	717
	ZR300KC-TWD-551	25.0	380-420/3/50	42.0	52.0	63.0	68.0	76.0	-	-	160	715

∞ All 1Ø (PFJ & PFZ) compressors come c/w Run Capacitor.

Ratings based on return Vapour Temp. of 35 Deg C. 0 Deg C subcooling

REFRIGERATION SCROLL COMPRESSORS (GLACIER)

All compressors c/w rubber mts*, sightglass, rotolock conns less
rotolock valves. (POE Lubricant) (Suitable for 380-420V/3/50Hz)

		Nominal rating (Kws) @ 54deg C Cond										Disp	Wt	Height
	Nom HP	R404A										(m³/hr)	(Kg)	(mm)
		FOR R22 RATING ADD 5% TO R404A RATING (REQ LIQ INJECTION)												
		-35	-30	-25	-20	-15	-10	-5	0	5				
	QUANTUM													
	ZF09K4E-TFD	3.0	1.5	1.9	2.3	2.8	3.3	4.0	4.7	5.6	6.6	8.1	30	430
	ZS21K4E-TFD	3.0				2.9	3.5	4.1	4.9	5.8	6.9	8.1	30	392
	ZF11K4E-TFD	3.5	1.8	2.3	2.8	3.5	4.1	4.9	5.8	7	8.3	10.0	31	440
	ZS26K4E-TFD	3.5				3.5	4.2	5.1	6.1	7.2	8.6	10.0	31	406
	QUEST													
	ZF13K4E-TFD	4.0	2.1	2.7	3.2	4.0	4.8	5.8	6.9	8.2	9.7	11.8	41	480
	ZS30K4E-TFD	4.0				4.1	4.9	5.9	7.1	8.5	10.0	11.8	41	458
	ZF15K4E-TFD	5.0	2.6	3.3	3.9	4.9	5.8	7.0	8.3	10.0	11.8	14.5	42	480
	ZS38K4E-TFD	5.0				5.0	6.0	7.2	8.6	10.3	12.3	14.5	42	458
	ZB38KCE-TFD	5.0				4.7	5.8	7.1	8.6	10.3	12.3	14.5	42	458
	ZF18K4E-TFD	6.0	3.1	4.0	4.8	5.9	6.9	8.4	10.0	12.0	14.2	17.2	44	480
	ZS45K4E-TFD	6.0				6.0	7.2	8.7	10.4	12.4	14.8	17.2	44	458
	ZB45KCE-TFD	6.0				5.6	6.9	8.4	10.1	12.1	14.4	17.2	44	458
	SPECTER													
	ZF24K4E-TWD	7.5	3.8	4.9	5.8	7.2	8.5	10.3	12.3	14.7	17.4	21.9	100	560
	ZS56K4E-TWD	7.5				7.3	8.9	10.6	12.7	15.0	17.7	21.9	100	525
	ZF33K4E-TWD	10.0	5.3	6.7	8.2	10.3	12.2	14.9	17.5	20.8	24.5	28.9	102	560
	ZS75K4E-TWD	10.0				10.2	12.3	14.8	17.6	20.8	24.6	28.9	102	532
	ZF40K4E-TWD	13.0	6.4	8.3	10.0	12.5	14.8	18.0	21.3	25.5	30.1	35.8	112	570
	ZS92K4E-TWD	13.0				12.6	15.2	18.3	21.8	25.8	30.4	35.8	112	532
	ZF48K4E-TWD	15.0	7.4	9.6	11.4	14.1	16.9	20.7	24.5	29.3	34.6	42.1	120	570
	ZS11M4E-TWD	15.0				14.6	17.5	21.0	25.1	29.8	35.2	42.1	120	579

Ratings based on return Vapour Temp. of 20 Deg C. 0 Deg C subcooling

Suct P/No.	Disch P/No.	ROTOLOCK VALVE KITS	Suction	Discharge
KPV05	KPV06	ZF09-18/ZS15-45/ZR61-72	7/8" F. Sw x 1-1/4"-12 (R Port)	1/2" F. Sw x 1"-14 (L/R Port)
KPV02	KPV04	ZF24/ZS56/ZR94-125K (6309)	1-1/8" F. Sw x 1-3/4"-12 (R Port)	3/4" F. Sw x 1-1/4"-12 (L Port)
KPV10	KPV05	ZF33,40/ZS75,92 (6309545)	1-3/8" F. Sw x 1-3/4"-12 (R Port)	7/8" F. Sw x 1-1/4"-12 (L Port)
		ZR144K, ZR16M		
KPV05	KPV09	ZR81	7/8" F. Sw x 1-1/4"-12 (R Port)	5/8" F. Sw x 1-1/4"-12 (L Port)
2600-263650	KPV02	ZF48/ZS11M/ZR19M	1-5/8" F. Sw x 2-1/4"-12 (T Port)	1-1/8" F. Sw x 1-3/4"-12 (R Port)

Liquid Injection Kits (Required only on ZF compressors for low temperature applications.)

For ZF09K to ZF18K comprising of corresponding cap tube assy, Sol.vlv (510-0352-07)
current sensing relay (040-0135-01), thermostat (998-0523-00) & liquid line filtr (013-0094-00)

For ZF24K to ZF48K comprising of corresponding cap tube assy, Sol.vlv
(2981481) & liquid line filter (2981356), current sensing relay & thermostat are internal.

BOM522 = Stub connections & BOM523 & 551 = Rotolock fittings only.

Notes

LK020-060

LK075-150

COMPRESSORS - SEMIHERMETIC

DWM COPELAND

Disp.
(m³/hr)

STANDARD MODELS	Nom. HP	Nominal capacity (Watts) @ 54 Deg C Cond. Temp.																(m³/hr)	
		R22								R404A									
		-30	-25	-20	-15	-10	-5	0	5	10	-30	-25	-20	-15	-10	-5	0		5
DKJ10X-CAG (1 Ph)	1.0	680	950	1260	1640	2080	2600	3190	3860	4630	710	970	1270	1630	2040	2520	3080	3710	5.13
DKJ10X-EWL	1.0	680	950	1260	1640	2080	2600	3190	3860	4630	710	970	1270	1630	2040	2520	3080	3710	5.13
DKSJ10X-CAG (1 Ph)	1.0	960	1280	1660	2110	2650	3280				950	1280							6.33
DKSJ15X-CAG (1 Ph)	1.5	960	1280	1670	2140	2670	3280	3960			980	1290	1670	2120	2640				6.33
DKSJ15X-EWL	1.5	960	1280	1670	2140	2670	3280	3960			980	1290	1670	2120	2640				6.33
DKL15X-CAG (1 Ph)	1.5	1080	1460	1910	2440						1160	1530							7.38
DKL15X-EWL	1.5	1080	1460	1910	2440						1160	1530							7.38
DKSL20X-EWL	2.0	1420	1900	2450	3100						1470	1940	2490	3140					9.10
DLE20X-EWL	2.0	1130	1640	2250	2980	3850	4860	6050	7420		920	1470	2090	2810	3640	4600	5710	6990	9.86
DLF20X-EWL	2.0	1670	2380	3230	4250						1420	2040	2780						12.9
DLF30X-EWL	3.0	1680	2400	3270	4290	5480	6830	8360	10100	12000	1760	2460	3280	4240	5350	6650			12.9
DLL30X-EWL	3.0	2690	3720								2390	3420	4640						18.2
DLL40X-EWL	4.0	2700	3720	4930	6360	7990	9840	11900	14250		2440	3420	4590	5990	7650	9600			18.2
DLSG40X-EWL	4.0	3780	5020	6430							3190	4420	5870						22.5

STANDARD MODELS		Nominal capacity (Kw) @ 54 Deg C Cond. Temp.																		
		R22									R404A									
		-30	-25	-20	-15	-10	-5	0	5	10	-30	-25	-20	-15	-10	-5	0	5		
D2SA55X-EWL	5.5					9.0	11.2	13.8	16.8	20.3		4.5	5.9	7.5	9.2	11.3	13.6	16.2	22.4	
D2SC55X-EWL	5.5				8.8	11.2	14.2				3.9	5.3	6.9	8.9	11.2	13.9			26.8	
D3SA75X-AWM	7.5					12.7	15.9	19.6	24.0	29.1		6.0	7.9	10.2	12.8	15.9	19.4	23.4	32.2	
D3SC100X-AWM	10					15.5	19.2	23.5	28.6	34.5		7.7	10.1	12.7	15.8	19.3	23.4	28.0	38.0	
D3SS150X-AWM	15					21.2	26.4	31.9	38.4	46.0		11.1	14.3	17.8	21.9	26.7	32.2	38.4	49.9	
D4SA200X-AWM	20					23.9	29.6	36.1	43.7	52.3	8.0	10.9	14.3	18.3	22.9	28.3	34.5	41.6	56.0	
D4SH250X-AWM	25					31.1	38.4	46.8	56.5	67.6	10.6	14.3	18.5	23.4	29.2	35.9	43.6	52.5	70.8	
D4SJ300X-AWM	30					35.8	44.6	54.8	66.5	79.8	12.5	17.4	22.8	29.0	36.0	43.9	52.8	62.7	84.7	
D6SH350X-AWM	35					44.7	55.0	66.8	80.3	95.9	16.4	22.1	28.6	36.2	45.1	55.3	67.1	80.7	106.0	
D6SJ400X-AWM	40					51.5	64.4	79.3	96.4	116	19.1	25.8	33.3	42.0	51.9	63.3	76.3	91.4	127.0	
DISCUS MODELS																				
D2DD50X-AWM	5.0				6.0	7.8	10.1	12.5	15.3	18.5	2.6	3.7	4.9	6.3	8.0	10.0	12.3	14.9	19.3	
D2DL75X-AWM	7.5				7.8	10.1	12.7	15.8	19.2	23.1	3.5	4.7	6.1	7.9	10.1	12.6	15.6	19.0	23.7	
D2DB50X-AWM	5.0	4.1	5.5	7.4	9.3	11.8	< DEMAND COOLING					6.1	7.8	9.9	12.4	15.1			28.0	
D2DB75X-AWM	7.5				9.9	12.6	15.4	18.8	22.6	27.0	4.7	6.2	7.8	8.9	12.3	15.1	18.4	22.2	28.0	
D3DA50X-AWM	5.0	4.6	6.2	8.1	< DEMAND COOLING							7.0	8.9	11.1	13.6	16.6			32.2	
D3DA75X-AWM	7.5				11.2	14.4	17.8	21.8	26.4	31.6	5.0	6.8	9.0	11.5	14.4	17.8	21.8	26.3	32.2	
D3DC75X-AWM	7.5	5.7	7.7	10.1	< DEMAND COOLING							8.5	10.8	13.5	16.6	20.1			38.0	
D3DC100X-AWM	10				13.5	17.1	21.0	25.7	31.0	37.1	6.3	8.4	11.0	13.9	17.3	21.3	25.9	31.2	38.0	
D3DS100X-AWM	10	8.0	10.7	13.9	< DEMAND COOLING							12.2	15.3	19.0	23.2	28.0			49.9	
D3DS150X-AWM	15				18.5	23.2	28.1	34.0	40.7	48.4	8.7	11.6	15.0	18.8	23.2	28.3	34.1	40.8	49.9	
D4DF100X-AWM	10	7.8	10.5	13.8	< DEMAND COOLING							12.2	15.7	19.7	24.4	29.9			56.0	
D4DL150X-AWM	15	12.3	15.9	19.9	< DEMAND COOLING							16.7	21.2	26.6	32.9	40.2			70.8	
D4DA200X-AWM	20				20.5	25.8	31.8	38.7	46.6	55.6	8.6	12.0	15.8	20.2	25.2	31.0	37.7	45.4	56.0	
D4DT220X-AWM	22	14.4	18.6	23.4	< DEMAND COOLING							20.4	25.8	32.2	39.7	48.3			84.7	
D4DH250X-AWM	25				26.6	33.0	40.4	48.8	58.5	69.6	11.6	15.7	20.4	25.9	32.2	39.5	47.9	57.5	70.8	
D4DJ300X-AWM	30				31.3	38.6	46.9	56.4	67.3	79.8	14.6	19.7	25.4	31.9	39.3	47.8	57.5	68.5	84.7	
D6DL270X-AWM	27	15.6	20.6	26.3	< DEMAND COOLING							23.9	30.1	37.4	45.8	55.5			106.0	
D6DT320X-AWM	32	19.6	25.3	31.4	< DEMAND COOLING							30.0	37.7	46.5	56.4	67.7			127.0	
D6DH350X-AWM	35				39.5	49.0	60.0	72.7	87.2	104	18.0	24.2	31.2	39.1	48.2	58.5	70.3	83.9	106.0	
D6DJ400X-AWM	40				45.3	56.7	69.4	84.3	102	121	22.3	29.2	37.2	46.5	57.2	69.8	84.4	102	127.0	
D8DL370X-AWM	37											35.9	45.5	56.7	69.4	83.9			151.0	
D8DT450X-AWM	45											43.0	54.0	66.8	81.6	98.6			181.0	
D8DH500X-AWM	50				66.5	82.0	100	121	144		25.7	34.6	44.6	56.1	69.2	84.3	102	122	151.0	
D8DJ600X-AWM	60				79.9	98.3	120	144	172		31.9	42.7	54.7	68.2	83.6	101	121	144	181.0	

Ratings based on return Vapour Temp. of 20 Deg C. 0 Deg C subcooling

Motor Electrical Codes :-

CAZ	220-240/1/50
CAG	220-230/1/50
CAS	220/1/50
CBZ	230/1/50
EWL	380-420Y/3/50
EWM	380-420Delta-Ystart/3/50
AWM	380-420 66%YY/Y- PWS/3/50
BWM	380-420 60%YY/Y-PWS/3/50




Notes :

1. DK,DL,PL, models require body air cooling 38m³/min or water jacket. All other models are suction gas cooled.
2. D4,6,8 & DL low temp models do not require oil cooler when used on R404a.
3. Models rated for R404a may also be applied with R507.

NOTE : All DWM Copeland compressors are oil & nitrogen charged and complete with oil level sightglass, vibration mounts, electrical protection and individually cartoned. Where head fans or demand cooling is required; refer to additional price for Accessories.

COMPRESSORS - SEMIHERMETIC

DWM COPELAND

		Nom. HP	Nom Cap.(Watts) @ 54 deg C Cond. R134a						Dimensions L X W X H			Oil Chg Ltr	Connections Suct X Disch (in)		Wt (Kg)							
			-20	-15	-10	-5	0	5														
	STANDARD MODELS																					
	DKJ10X-CAG (1 Ph)	1.0	880 1200 1580 2030 2550 3160						364	208	257	.65	5/8	1/2	41							
	DKJ10X-EWL	1.0							364	208	257	.65	5/8	1/2	41							
	DKSJ10X-CAG (1 Ph)	1.0							364	208	257	.65	5/8	1/2	42							
	DKSJ15X-CAG (1 Ph)	1.5							364	208	257	.65	5/8	1/2	42							
	DKSJ15X-EWL	1.5	1060 1410 1820 2300 2860 3510						364	208	257	.65	5/8	1/2	42							
	DKL15X-CAG (1 Ph)	1.5							364	208	257	.65	5/8	1/2	41							
	DKL15X-EWL	1.5							364	208	257	.65	5/8	1/2	41							
	DKSL20X-EWL	2.0							364	208	257	.65	5/8	1/2	42							
	DLE20X-EWL	2.0	1110	1580	2130	2770	3520	4400	470	330	350	2.0	7/8	5/8	84							
	DLF20X-EWL	2.0	1570	2210	2950	3810	4820	6000	470	330	350	2.0	7/8	5/8	86							
	DLF30X-EWL	3.0	2300 3230 1300 5560 7040 8760						470	330	350	2.0	7/8	5/8	86							
DLL30X-EWL	3.0	470							330	350	2.0	7/8	5/8	91								
DLL40X-EWL	4.0	470							330	350	2.0	1-1/8	5/8	93								
DLSG40X-EWL	4.0	470							330	350	2.0	1-1/8	5/8	88								
	D2SA55X-EWL	5.5							553	330	355	2.4	1-1/8	7/8	95							
	D2SC55X-EWL	5.5							553	330	355	2.4	1-1/8	7/8	96							
	D3SA75X-AWM	7.5							682	370	445	3.7	1-3/8	1-1/8	174							
	D3SC100X-AWM	10							682	370	445	3.7	1-3/8	1-1/8	174							
	D3SS150X-AWM	15							710	370	445	3.7	1-5/8	1-1/8	177							
	D4SA200X-AWM	20							650	485	450	3.6	1-5/8	1-1/8	199							
	D4SH250X-AWM	25							670	490	450	4.0	2-1/8	1-1/8	210							
	D4SJ300X-AWM	30							690	515	450	4.0	2-1/8	1-3/8	226							
	D6SH350X-AWM	35							760	540	445	4.3	2-1/8	1-3/8	240							
	D6SJ400X-AWM	40							760	465	485	7.4	2-1/8	1-3/8	268							
									Nom Cap.(Kw) @ 54 deg C Cond.													
									-20	-15	-10	-5	0	5								
	DISCUS MODELS																					
	D2DD50X-AWM	5.0	4.01 5.52 7.27 9.32 11.70 14.50						592	350	432	2.3	1-3/8	7/8	132							
	D2DL75X-AWM	7.5							592	350	432	2.3	1-3/8	1-1/8	136							
	D2DB50X-AWM	5.0							592	350	432	2.3	1-3/8	7/8	131							
	D2DB75X-AWM	7.5							592	350	432	2.3	1-3/8	1-1/8	136							
	D3DA50X-AWM	5.0	4.60	6.29	8.26	10.55	13.25	16.50	682	370	445	3.7	1-3/8	1-1/8	146							
	D3DA75X-AWM	7.5	5.88 7.87 10.15 12.85 16.00 19.70						682	370	445	3.7	1-3/8	1-1/8	152							
	D3DC75X-AWM	7.5							682	370	445	3.7	1-3/8	1-1/8	150							
	D3DC100X-AWM	10							682	370	445	3.7	1-3/8	1-1/8	164							
	D3DS100X-AWM	10							682	370	445	3.7	1-3/8	1-1/8	162							
	D3DS150X-AWM	15	8.05	10.65	13.65	17.15	21.20	26.00	710	370	445	3.7	1-5/8	1-1/8	166							
	D4DF100X-AWM	10	26.80						680	520	450	4.5	1-5/8	1-1/8	179							
	D4DL150X-AWM	15							680	520	450	3.6	1-5/8	1-1/8	195							
	D4DA200X-AWM	20							650	520	450	3.6	1-5/8	1-1/8	196							
	D4DT220X-AWM	22							700	535	450	4.0	2-1/8	1-3/8	195							
	D4DH250X-AWM	25	38.40						670	535	450	4.0	2-1/8	1-1/8	209							
	D4DJ300X-AWM	30							690	535	450	4.0	2-1/8	1-3/8	214							
	D6DL270X-AWM	27							740	580	445	4.3	2-1/8	1-3/8	222							
	D6DT320X-AWM	32							740	580	495	7.4	2-1/8	1-3/8	241							
	D6DH350X-AWM	35	57.60						760	580	445	4.3	2-1/8	1-3/8	226							
D6DJ400X-AWM	40	760							580	495	7.4	2-1/8	1-3/8	277								
D8DL370X-AWM	37	835							590	563	7.7	2-5/8	1-5/8	305								
D8DT450X-AWM	45	835							590	563	7.7	3-1/8	1-5/8	322								
D8DH500X-AWM	50	76.30						835	590	563	7.7	2-5/8	1-5/8	331								
D8DJ600X-AWM	60							835	590	563	7.7	3-1/8	1-5/8	331								

Motor Electrical Codes :-

CAZ	220-240/1/50
CAG	220-230/1/50
CAS	220/1/50
CBZ	230/1/50
EWL	380-420Y/3/50
EWM	380-420Delta-Ystart/3/50
AWM	380-420 66%YY/Y- PWS/3/50
BWM	380-420 60%YY/Y-PWS/3/50

Ratings based on return Vapour Temp. of 20 Deg C. 0 Deg C subcooling

NOTE : All DWM Copeland compressors are oil & nitrogen charged and complete with oil level sightglass, vibration mounts, electrical protection and individually cartoned. Where head fans or demand cooling is required; refer to additional price for Accessories.

COMPRESSORS - ROTARY

HITACHI
Inspire the Next

Air Conditioning Rotary Compressors (220-240V-1-50Hz) R22
All compressors supplied complete with rubber mts and capacitor.
(Lubricant - 4GS)



Models	Nom. HP	*Nominal rating R22		Disp (cc)	Wt. (Kg)
		Kw	BTU/h		
SG533QB	1.00	2.65	9007	16.2	10.7
SG733RA	1.25	3.00	10200	18.4	11.7
SL211CV	1.50	3.50	12000	21.1	14.5
SL242CV	1.75	4.10	14000	24.2	14.5
SHZ33LC	2.00	4.85	16500	28.6	16.2
SHY33MC	2.25	5.15	17500	30.8	16.2
SHX33SC	2.50	5.65	19200	33.6	17.5
SHW33TC	2.75	6.00	20500	35.7	17.5
SHV33YC	3.00	7.10	24200	41.7	21.5

NOTES: *ARI - CAPACITY ON R22 (7.2°C SST / 54.4° SCT / 11K S.Heat / 8.3K Liq Sub Cool / 35Amb)

COMPRESSORS - OPEN TYPE

BLISSFIELD
MANUFACTURING COMPANY

DORIN



	HP Range	Application	Disp (cc)	Cyl	RPM		Brand	Flywheel	
		R134a (-20 to +5°C) R22 (-35 to +5°C)			Max	Min		OD	V.Belt
CG(HGC1000)	3/4-1.5	R134a	170	2	1525	500	Blissfield	8-3/4"	2A
CH (VFT)	2-3	R134a/R22	275	4	1525	415	Blissfield	10-1/2"	2B

(C/w flywheels - without oil)

DWM COMEF (less flywheels) with Ester Oil

DWM COMEF



	HP Range	Application	Disp (m³/hr)	Flywheel		Wt (Kg)
				OD	V.Belt	
4CC63E (Aust Only)	10-20	R134a R22 R404A HM	56.0	320mm	3A	155
4CC68EL	10-20	R134a R22 R404A L	70.9	320mm	3A	155
4CC68E (Aust Only)	15-25	R134a R22 R404A HM	70.9	320mm	3A	155
4CC75E (Aust Only)	15-25	R134a R22 R404A HM	84.6	320mm	3A	160
6CC68EL	15-25	R134a R22 R404A L	106.4	256mm	4A	180
6CC68E	20-35	R134a R22 R404A HM	106.4	256mm	4A	180
6CC75EL	20-40	R134a R22 R404A L	126.9	Direct Drive		185
6CC75E	25-50	R134a R22 R404A HM	126.9	Direct Drive		185
8CC75EL	25-50	R134a R22 R404A L	180.1	Direct Drive		216
8CC75E	30-70	R134a R22 R404A HM	180.1	Direct Drive		216

Accessories for CC models

Flywheel

2 groove for 2CC
3 groove for 4CC
4 groove for 6CC68

Direct Drive Coupling

9SHI for
10SHI for

10 - 25 HP motor
30 - 40 HP motor

11S for
11SHI for

50 - 60 HP motor
70 - 80 HP motor

Crankcase Heater

Oil Failure Switch (fitted)

Head cooling Fan (fitted)

Discharge temp protection

(4CC & up only)

Capacity Control (fitted)

2641652
2852558

for 63 & 68mm
for 75mm

OPTIONS

NOTE: 6CC75E/L & 8CC75E/L models suitable direct drive only