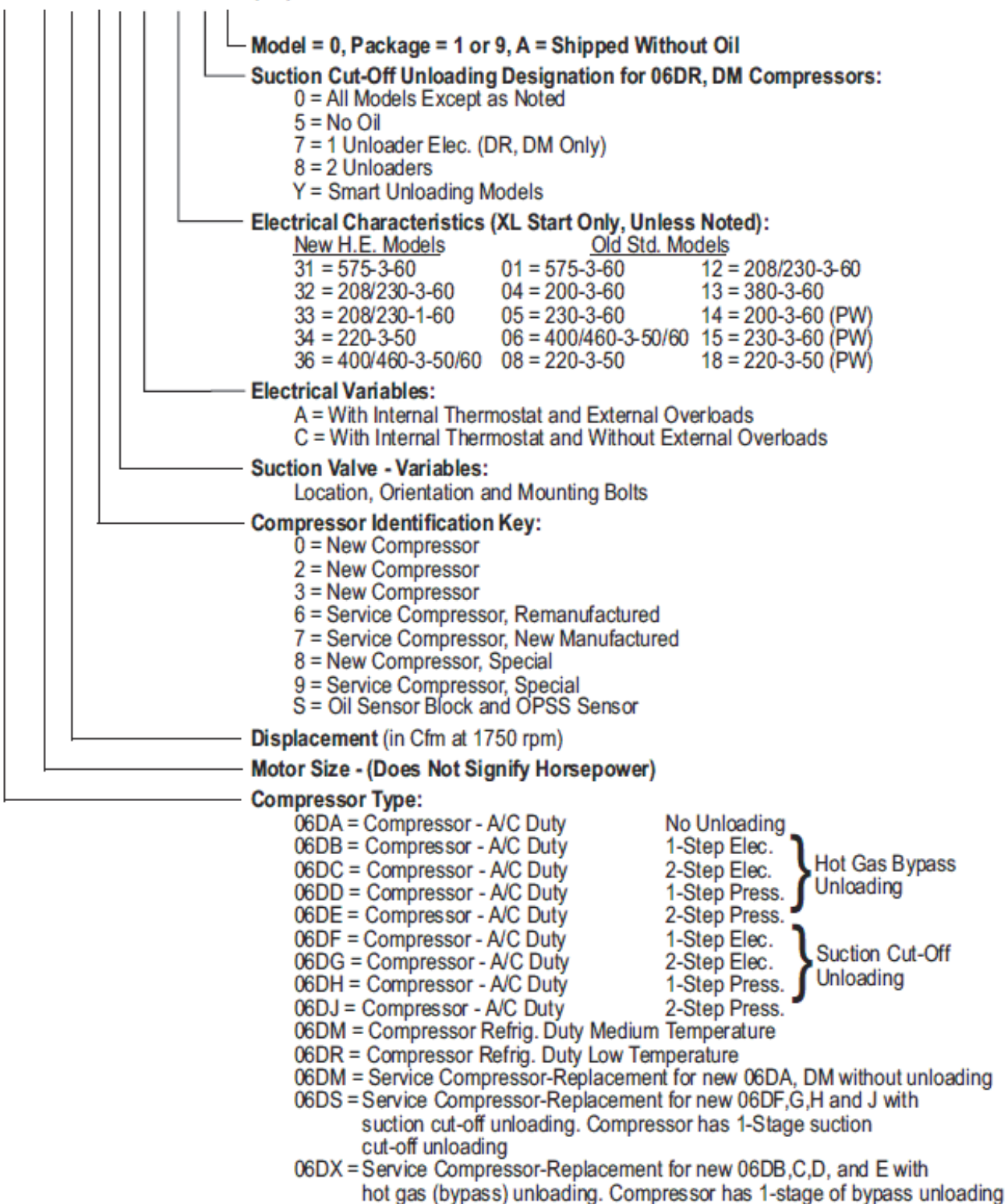


CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

06D Compressors

06DR 3 37 0 D A 36 5 A - (RP)**



**Refrigeration Partner

Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

06E Compressors

06ER 3 99 3 0 A - (RP)**

Model = 0, Package = 1 or 9, A = Shipped Without Oil

Design Variable:

New Compressors

- 0 = OEM Model
- 1 = Carrier A/C Model
- 2 = Old Design Refrigeration Valve Plates
- 6 = Carrier A/C Model
- 9 = Cemak Model
- S = Oil Sensor Block and OPSS Sensor

Service Compressors

- 2 = New Manufactured (A/C)
- 4 = Remanufactured (Low Temp.)
- 6 = Remanufactured (A/C)
- 7 = Remanufactured (Med Temp.)

Electrical Characteristics (XL and PW Start, Unless Noted):

- 0 = 208/230-3-60
- 1 = 575-3-60
- 3 = 208/230/460-3-50/60 (460v XL Only)
- 4 = 200-3-60
- 5 = 230-3-60
- 6 = 400/460-3-50/60
- 8 = 230-3-50
- 9 = 220/380-3-60

Displacement (in Cfm at 1750 rpm)

Motor Size (Does Not Signify Horsepower)

- 0, 1, 2 = Models With Oil
- 3, 4, 5 = Models Without Oil
- 7 = 1 Unloader, Suction Cut-off, Oil-less (ER, EM Only)
- 8 = Special Order
- Y = SMART Unloading Model

Compressor Type:

STD*	REV†		
06EA	06EF	Compressor - A/C Duty	No Unloading
06EB	06EJ	Compressor - A/C Duty	1-Step Elec.
06EC	06EK	Compressor - A/C Duty	2-Step Elec.
06ED	06EL	Compressor - A/C Duty	1-Step Press.
06EE	06EN	Compressor - A/C Duty	2-Step Press.
06E2	06E6	Compressor - A/C Duty	1-Step Elec.
06E3	06E7	Compressor - A/C Duty	2-Step Elec.
06E4	06E8	Compressor - A/C Duty	1-Step Press.
06E5	06E9	Compressor - A/C Duty	2-Step Press.
06EM	-	Compressor - Refrig. Duty	Med Temp.
06ER	-	Compressor - Refrig. Duty	Low Temp.
06ET	-	Serv. Compressor A/C Duty Replaces 06E2,3,4,5,6,7,8, and 9.	
		Compressor has 1 stage of suction cut-off unloading.	
06EX	-	Serv. Compressor A/C Duty Replaces 06EA,B,C,D,E,F,J,K,L, and N.	
		Compressor has 1 stage of Bypass unloading.	
06EY	-	Serv. Compressor Refrig. Duty Replaces 06ER	
06EZ	-	Serv. Compressor Refrig. Duty Replaces 06EM	

Hot Gas Bypass Unloading

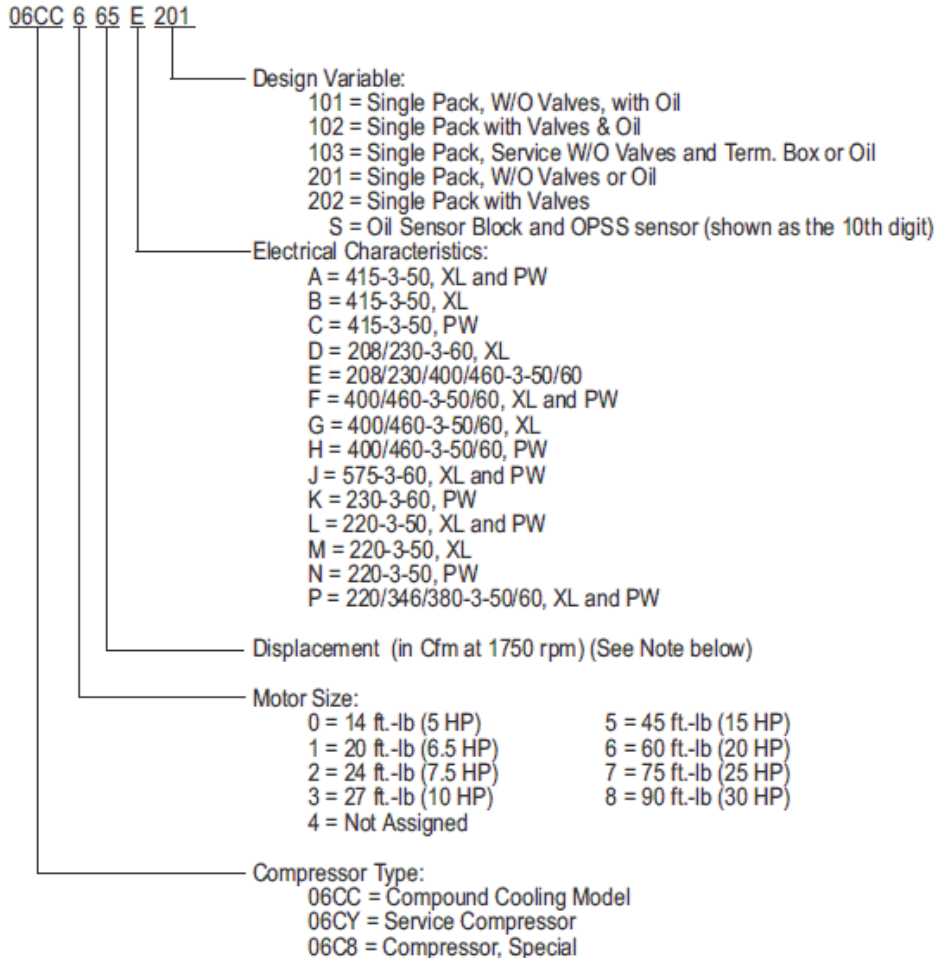
Suction Cut-Off Unloading

* Standard Center Cylinder Head.
 † Reversed Center Cylinder Head.
 Service compressors shipped with reverse center head have the letter "R" after the serial number on the shipping box.
 **Refrigeration Partner

CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

06CC Compressors



NOTE: USE OF "Cfm" AS MODEL SIZE DESIGNATION

Carlyle uses the "Cfm" designation in the model number to identify the compressor size. The Cfm values are the sixth and seventh digits of the model number. See example above.

Carlyle offers two series of compressors based on body size. The smaller compressors, from 8 to 37 Cfm, are referred to as "D" size units (model number "06D"). The larger compressors, from 50 to 99 Cfm, are referred to as "E" size units (model number "06E").

The 06CC, or Compound Cooling compressors, are made in 16 to 37 Cfm and 50 to 99 Cfm sizes. The 16 to 37 Cfm compressors use "D" size bodies. The 50 to 99 Cfm compressors use "E" size bodies.

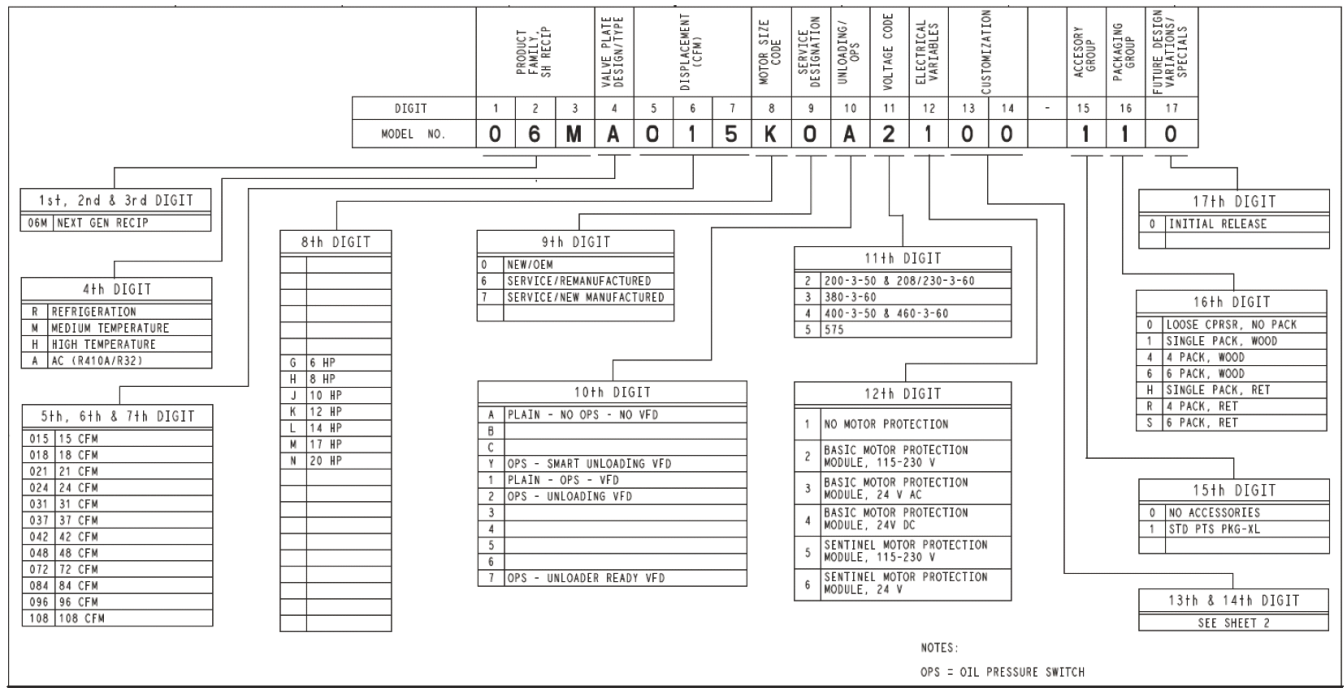
NOTE: METRIC MEASUREMENTS

The compressors are built using English units: inches, foot-pounds, pints, etc. A corresponding metric measurement has been added to all the English units in this guide. These metric measures are a guide only, having been rounded to the nearest whole number, and therefore are not meant to be an exact mathematical conversion.

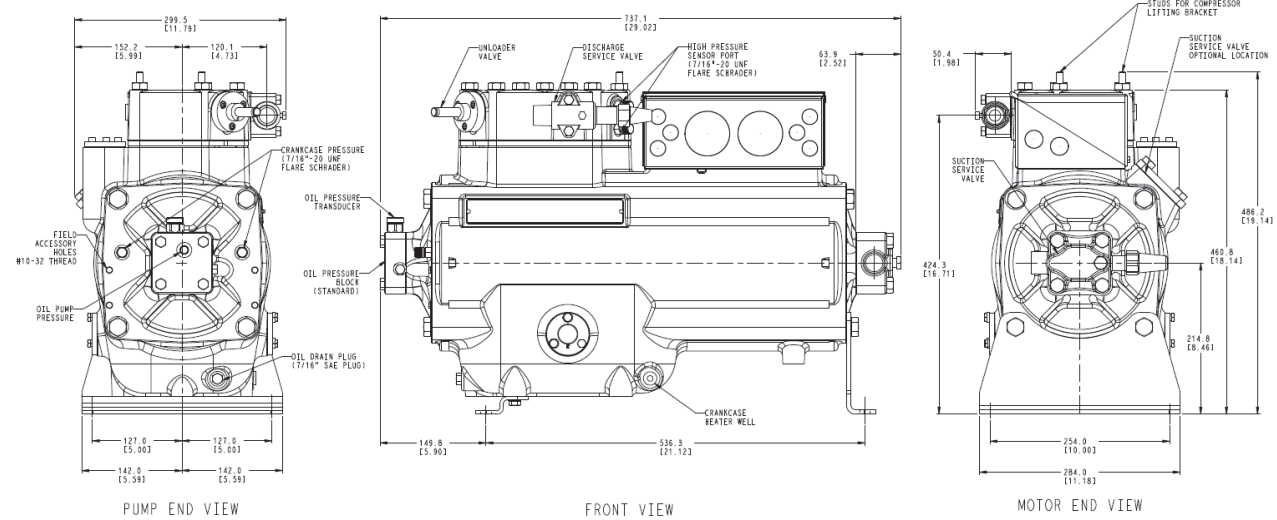
CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

06M Compressors



Part Number	CFM	Nom Hp	Service Connections - Suction Line Size	Service Connections - Discharge Line Size	Dry Weight (LBS/Kg)
06MA015	15.5 / 25.5 m3/hr	12 / 8.8 kw	1-1/8 IN / 28.575 mm	7/8 IN / 22.225 mm	379 LBS / 171.91 KG
06MA018	18.4 / 31.3 m3/hr	14 / 10.3 kw	1-1/8 IN / 28.575 mm	7/8 IN / 22.225 mm	384 LBS / 174.18 KG
06MA021	21.2 / 36 m3/hr	17 / 12.5 kw	1-3/8 IN / 34.925 mm	1-1/8 IN / 28.575 mm	387 LBS / 175.54 KG
06MA024	24.1 / 40.9 m3/hr	20 / 14.7 kw	1-3/8 IN / 34.925 mm	1-1/8 IN / 28.575 mm	392 LBS / 177.80 KG

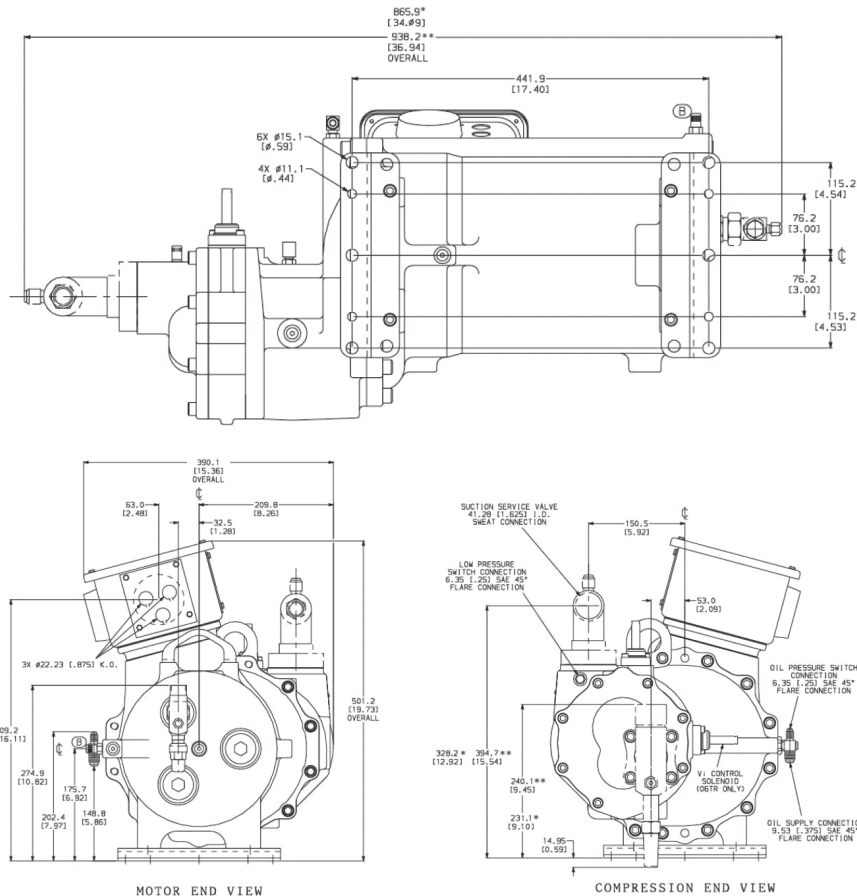
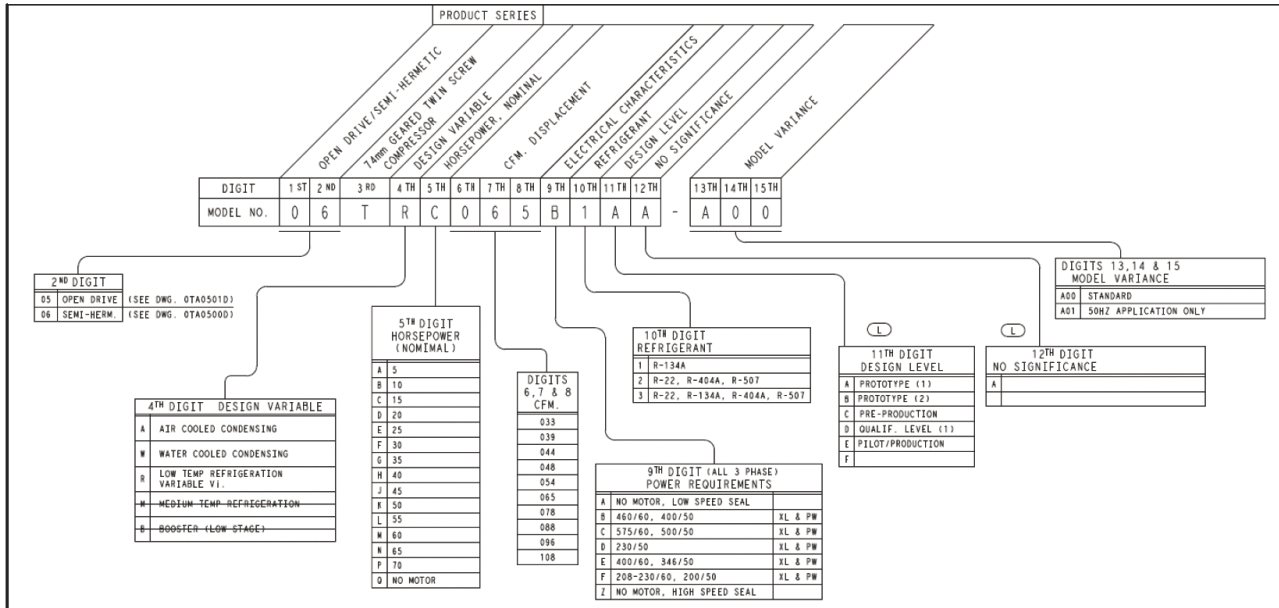


Note: All Dimensions are In Millimeters and Inches
 06M Available A/C and Medium Temp Applications
 Over 100 Models to choose from, please contact Customer Service for more details.

CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

05T & 06T Screw Compressors

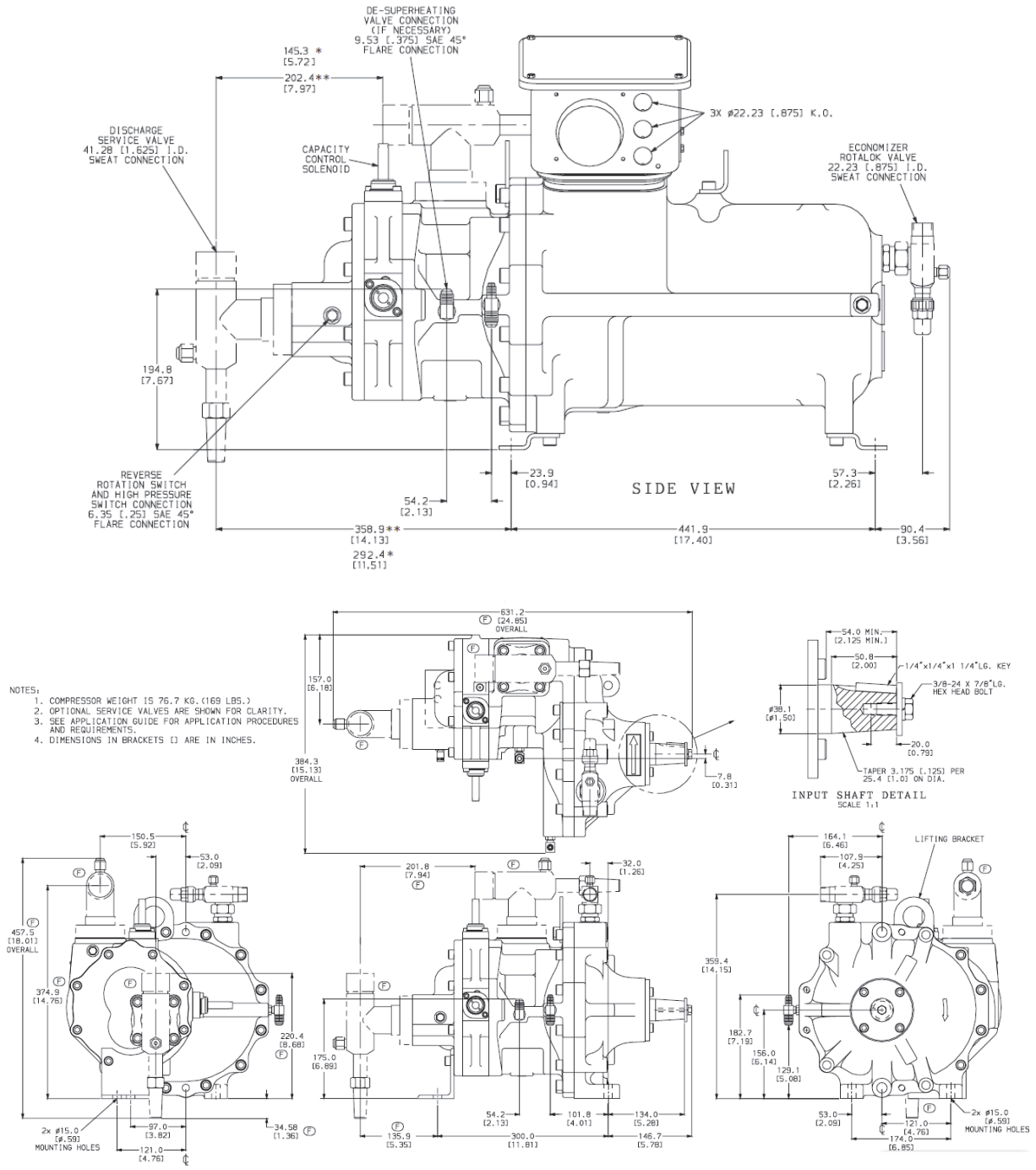


Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

05T & 06T Screw Compressors

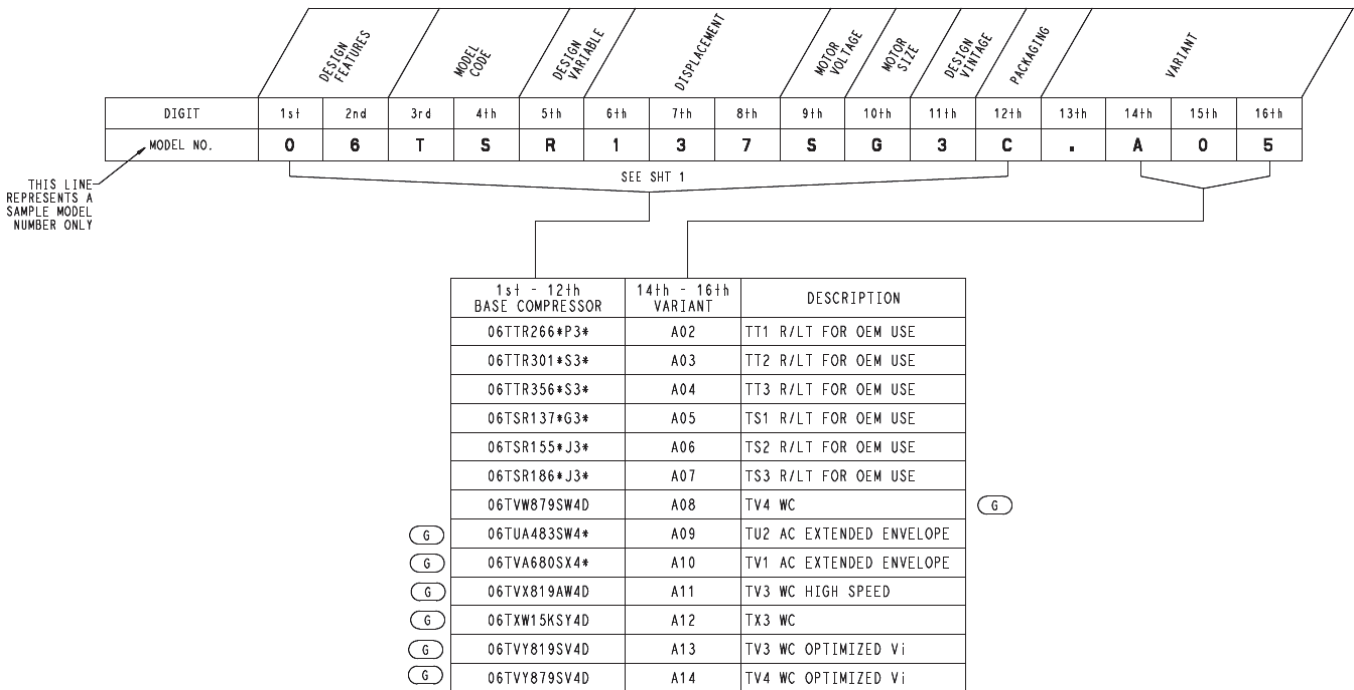
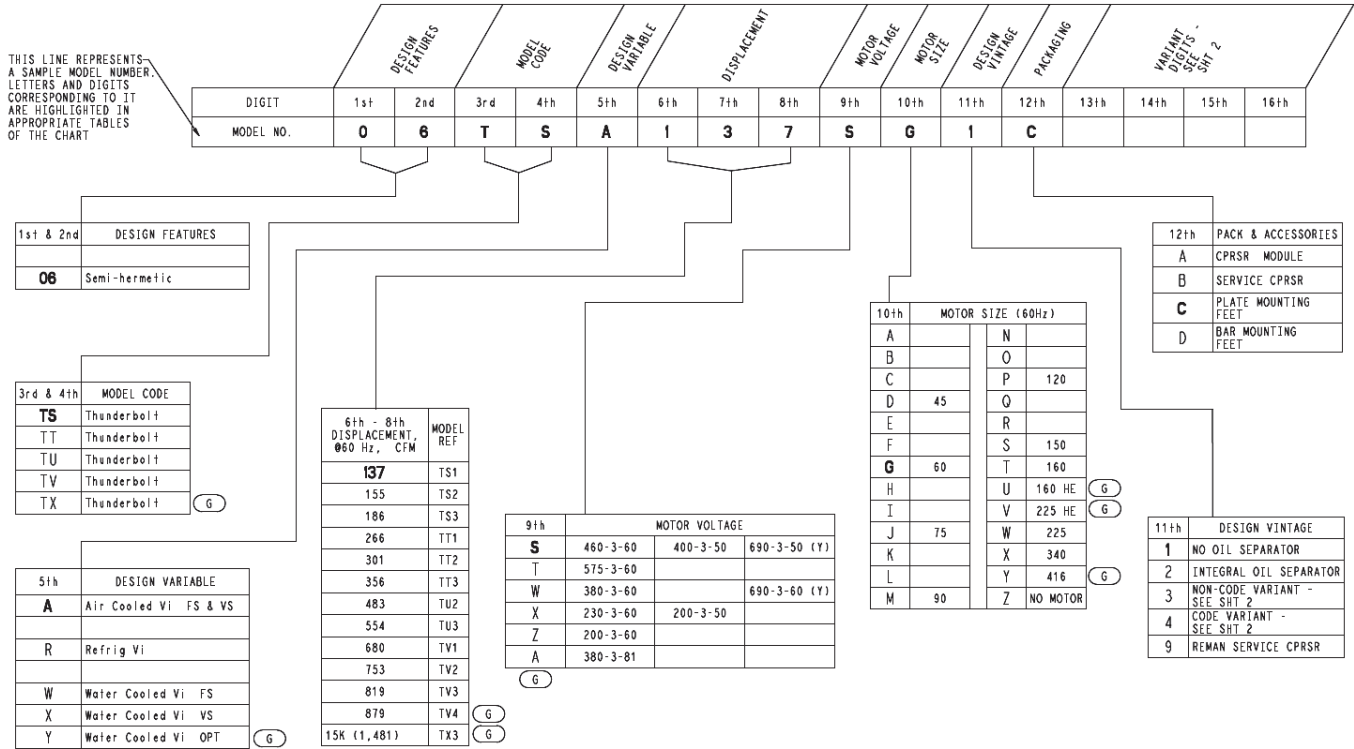


Note: All Dimensions are in Millimeters and Inches
 SEMI-HERMETIC
 CARLYLE 05T & 06T Available Air/Water Cooled Condensing and Low Temp Refrigeration
 Over 1000 Models to choose from, please contact Customer Service for more details.

CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

06TS & 06TT Screw Compressors



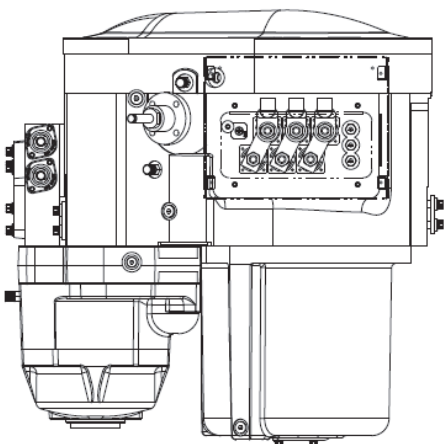
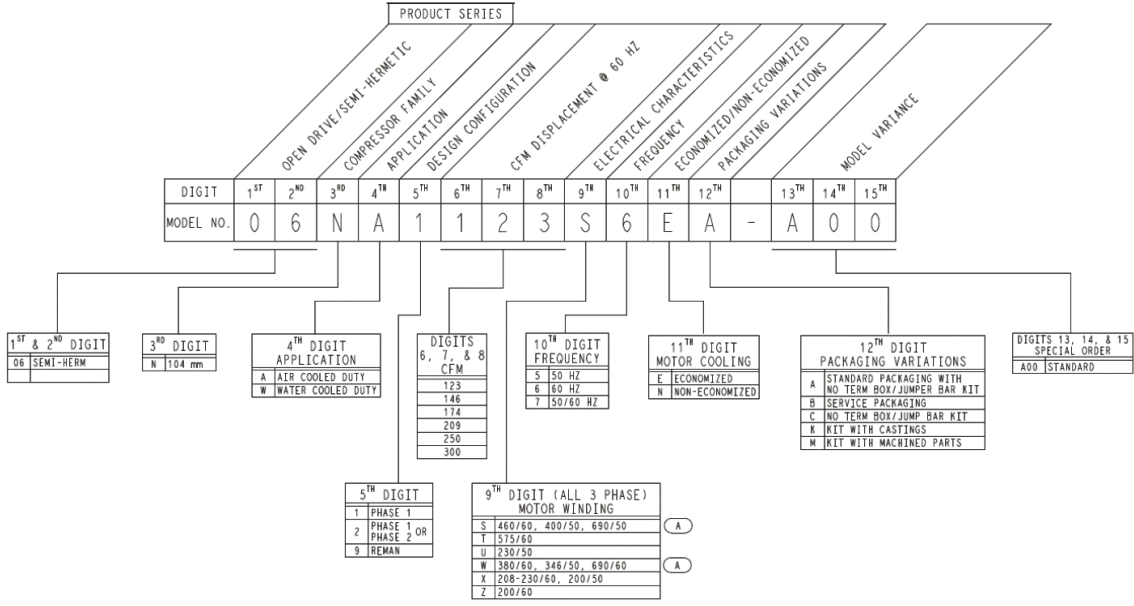
06TS & 06TT Available in Air Cooled Water Cooled and Refrigeration
Over 400 Models to choose from, please contact Customer Service for more details.

Semi - Hermetic Compressor, Coolers & Condensers

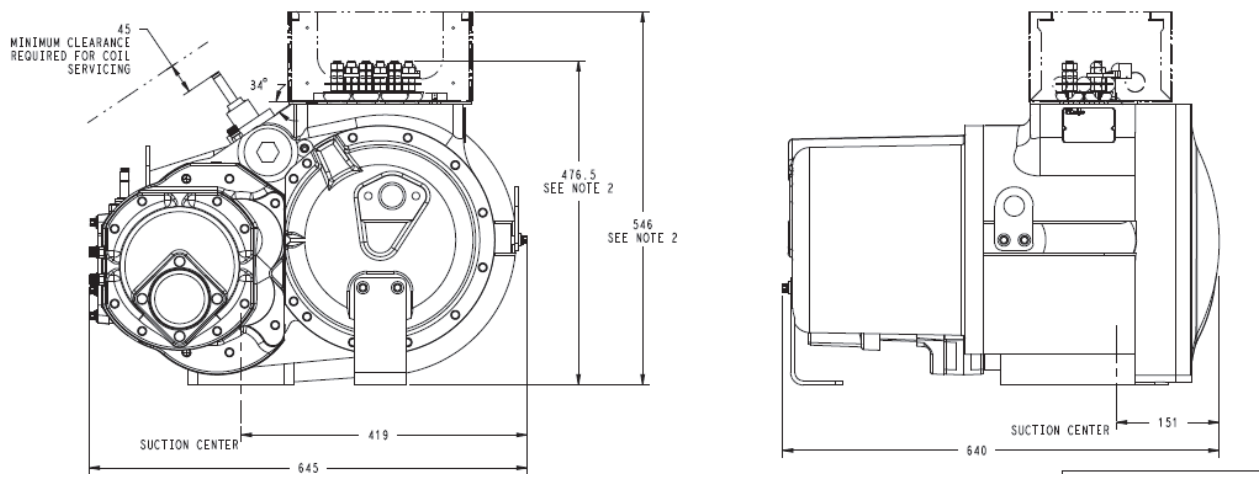
CARLYLE SEMI-HERMETIC COMPRESSORS

Compressor Model Number Significance

06N Screw Compressors



OVERALL DIMENSIONS

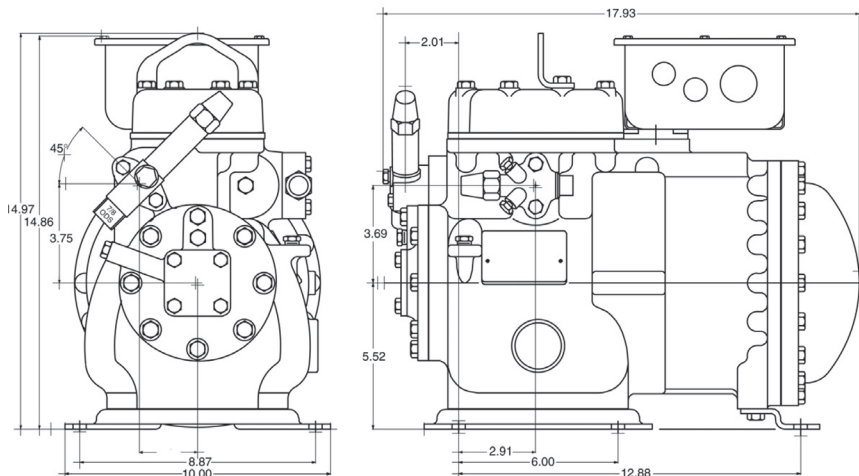


Note: All Dimensions Are In Millimeters
 06N Available Air and Water Cooled Applications
 Over 400 Models to choose from, please contact Customer Service for more details

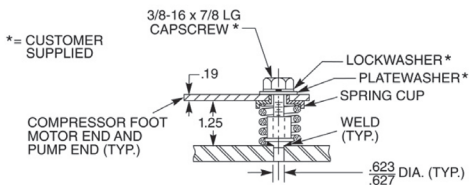
CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06D Compressor Drawings

2 Cylinder



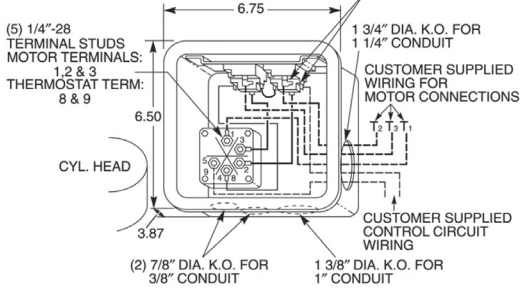
CYLINDERS: 2
 CFM: 8
 MODELS: 06DA808
 06DM808
 UNLOADING AVAIL: NO
 STEPS: 0



SPRING MOUNTING ARRANGEMENT

WIRING LEGEND
 SOLID = FACTORY SUPPLIED
 DOTTED = CUSTOMER SUPPLIED

OVERLOAD TERMINALS
 MOTOR LOAD WIRING:
 208/230V = (2) 1/4" FLAG
 460 & 575V = (2) 1/4" FLAG
 CONTROL CIRCUIT WIRING:
 (1) 1/4" STRAIGHT



TERMINAL BOX DATA

NOTE: ALL DIMENSION ARE IN INCHES
 Multiple Service valve orientation are possible
Note: Compressors shown with optional accessories.

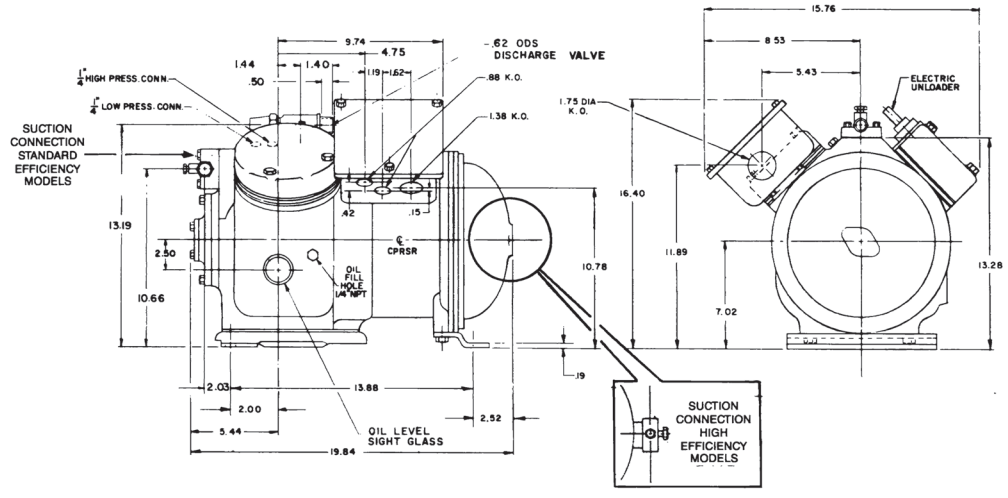
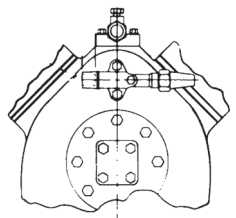
Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06D Compressor Drawings

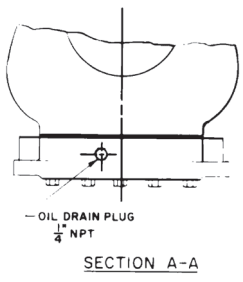
4 Cylinder

	13 CFM	16 CFM
NO. OF CYLINDERS	4	4
BORE AND STROKE (in.)	2.0 x 1.0	2.0 x 1.25
DISPLACEMENT CFM AT 1750 RPM	13.00	15.90
OIL CHARGE, PINTS CPP33-2	5.0	5.0
DRY WEIGHT LESS SERVICE VALVES	182 LBS	4

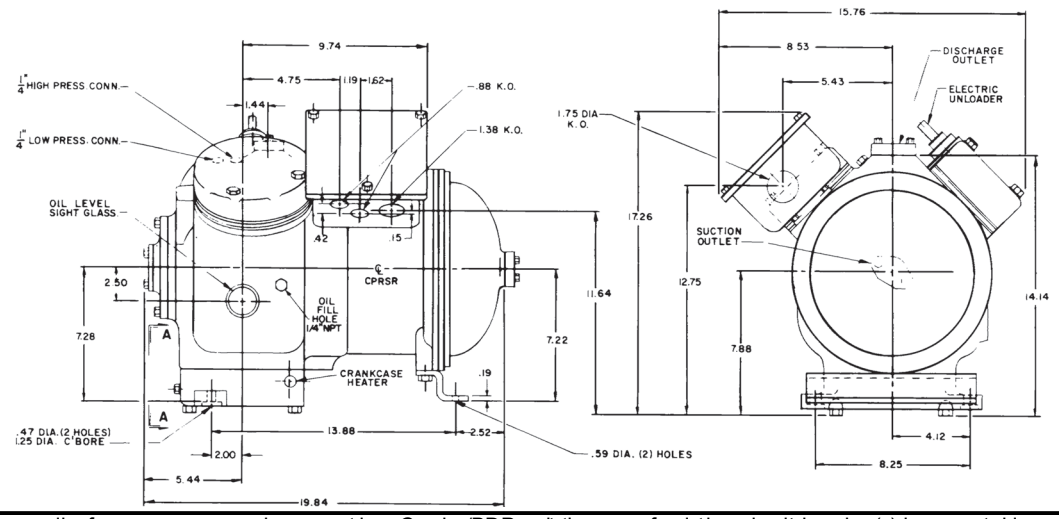


Suction Service Valve May Also Be Mounted On Oil Pump End Of Compressor

	18 CFM	20 CFM
NO. OF CYLINDERS	4	4
BORE AND STROKE (in.)	2.0 x 1.435	2.0 x 1.559
DISPLACEMENT CFM AT 1750 RPM	18.26	19.59
OIL CHARGE, PINTS CPP33-2	7.0	7.0
DRY WEIGHT LESS SERVICE VALVES	221 LBS	221 LBS



NOTE: OIL PUMP IS AUTOMATICALLY REVERSIBLE FOR EITHER DIRECTION OF ROTATION.



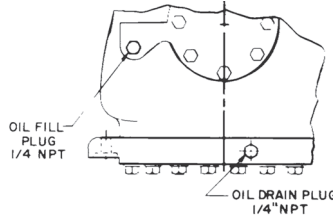
Generally, for a compressor changeout in a Carrier/BDP unit the use of existing circuit breaker(s) is acceptable.
Note: Compressors shown with optional accessories.

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06D Compressor Drawings

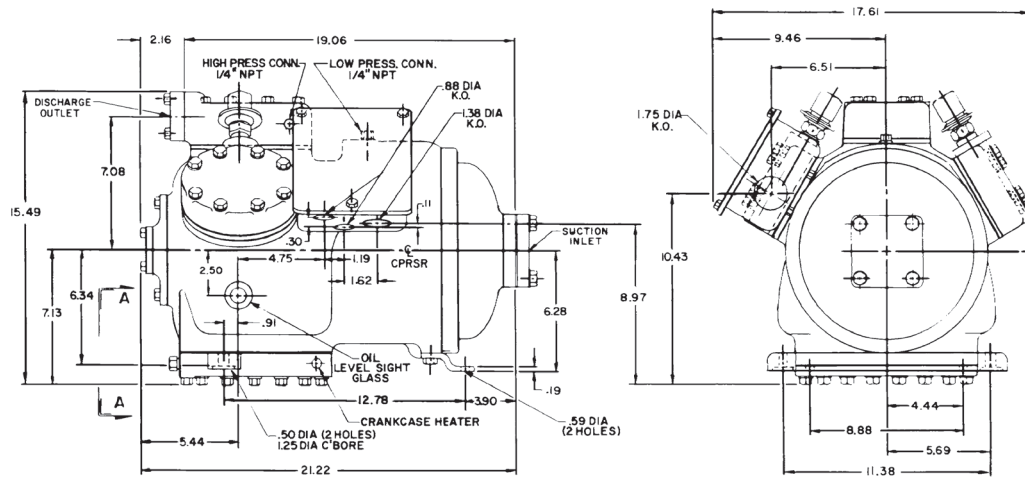
6 Cylinder

	24 CFM
NO. OF CYLINDERS	6
BORE AND STROKE (in.)	2.0 x 1.25
DISPLACEMENT CFM AT 1750 RPM	23.66
OIL, CHARGE, PINTS CPP33-2	9.5
DRY WEIGHT LESS SERVICE VALVES	275 LBS

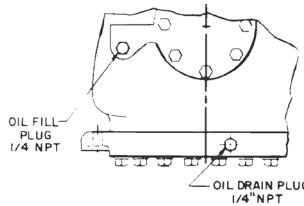


NOTE: OIL PUMP IS AUTOMATICALLY REVERSIBLE FOR EITHER DIRECTION OF ROTATION.

SECTION A-A

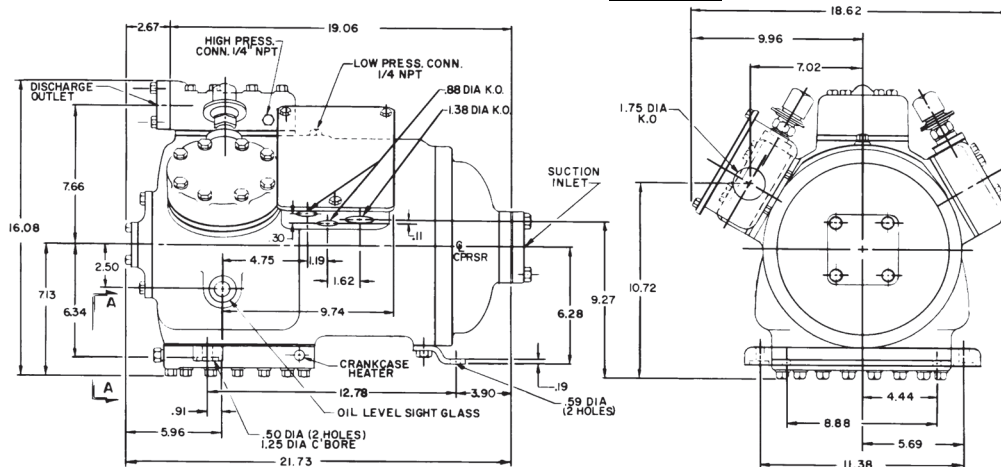


	28 CFM	37 CFM
NO. OF CYLINDERS	6	6
BORE AND STROKE (in.)	2.0 x 1.469	2.0 x 1.983
DISPLACEMENT CFM AT 1750 RPM	28.04	37.00
OIL, CHARGE, PINTS CPP33-2	9.5	9.5
DRY WEIGHT LESS SERVICE VALVES	305 LBS	305 LBS



NOTE: OIL PUMP IS AUTOMATICALLY REVERSIBLE FOR EITHER DIRECTION OF ROTATION.

Section A-A

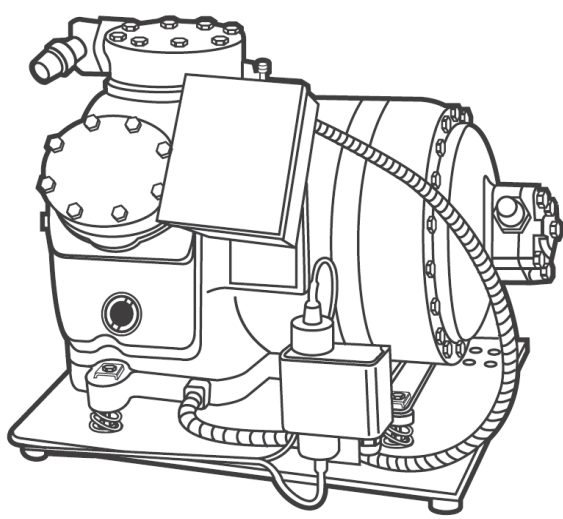


Note: Compressors shown with optional accessories.

Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06D Compressor Application Data



Medium and High Temp Air-Cooled Condenser

MODEL NO	HP	CYL	REFR	SUCTION TEMP RANGE (F)	SST	SCT	SC	BTUH
06DM808	3	2	R-22	0 to 50	45°	130°	0°	36.5
06DM313	5	4	R-22	0 to 50	45°	130°	0°	56.9
06DM316	5	4	R-22	0 to 50	45°	130°	0°	-
06D()818	6.5	4	R-22	0 to 50	45°	130°	0°	82.9
06D()824	7.5	6	R-22	0 to 50	45°	130°	0°	105.8
06D()825	7.5	6	R-22	0 to 50	45°	130°	0°	105.8
06D()328	10	6	R-22	0 to 50	45°	130°	0°	127.8
06D()337	10	6	R-22	0 to 50	45°	130°	0°	-
06D()537	15	6	R-22	0 to 50	45°	130°	0°	175.2

Medium and High Temp Water-Cooled Condenser

MODEL NO	HP	CYL	REFR	SUCTION TEMP RANGE (F)	SST	SCT	SC	BTUH
06DM808	3	2	R-22	0 to 50	40°	105°	0°	39.9
06DM313	5	4	R-22	0 to 50	40°	105°	0°	62.9
06DM316	5	4	R-22	0 to 50	40°	105°	0°	77.9
06D()818	6.5	4	R-22	0 to 50	40°	105°	0°	90.8
06D()824	7.5	6	R-22	0 to 50	40°	105°	0°	117.3
06D()825	7.5	6	R-22	0 to 50	40°	105°	0°	117.3
06D()328	10	6	R-22	0 to 50	40°	105°	0°	140
06D()337	10	6	R-22	0 to 50	40°	105°	0°	185.6
06D()537	15	6	R-22	0 to 50	40°	105°	0°	190.3

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06D Compressor Application Data

Standard Efficiency Models

MODEL NO	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
06DX8186AC0600	400/460	3	50/60	6.5	4	7	9,000/10,800	15.7	22	62
06DX8186AC1200	208/230	3	60	6.5	4	7	10,800	34.9	48.8	137
06DX7246AC0100	575	3	60	6.5	6	10	10,800	14.1	17.6	50
06DX7246AC0600	400/460	3	50/60	6.5	6	10	9,000/10,800	17.6	22	62
06DX7246AC1200	208/230	3	60	6.5	6	10	10,800	39	48.8	137
06DX7246BC0100	575	3	60	6.5	6	10	10,800	14.1	17.6	50
06DX7246BC0600	400/460	3	50/60	6.5	6	10	9,000/10,800	17.6	22	62
06DX7246BC1200	208/230	3	60	6.5	6	10	10,800	39	48.8	137
06DX8246AC0100	575	3	60	7.5	6	10	14,100	15.9	22.2	62
06DX8246AC0600	400/460	3	50/60	7.5	6	10	11,700/14,100	19.7/19.9	27.8	77
06DX8246AC1200	208/230	3	60	7.5	6	10	14,100	43.9	61.5	170
06DX8246BC0100	575	3	60	7.5	6	10	14,100	15.9	22.2	62
06DX8246BC0600	400/460	3	50/60	7.5	6	10	11,700/14,100	19.7/19.9	27.8	77
06DX8246BC1200	208/230	3	60	7.5	6	10	14,100	43.9	61.5	170
06DX3286BC100	575	3	60	10	6	10	15,900	17.9	25	69
06DX3286BC0600	400/460	3	50/60	10	6	10	13,200/15,900	22.1	31	86
06DX3286BC1200	208/230	3	60	10	6	10	15,900	49.3	69	191
06DX3376BC0100	575	3	60	10	6	10	15,900	17.9	25	69
06DX3376BC0600	400/460	3	50/60	10	6	10	13,200/15,900	22.1	31	86
06DX3376BC1200	208/230	3	60	10	6	10	15,900	49.3	69	191
06DX5376BC0100	575	3	60	15	6	10	20,700	22.9	32	96
06DX5376BC0600	400/460	3	50/60	15	6	10	17,200/20,700	28.6	40	120
06DX5376BC1200	208/230	3	60	15	6	10	20,700	63.6	89	266

Standard Efficiency Models, Part Wind Start

MODEL NO	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
06DX3376-1400	200	3	60	10	6	10	15,900	27.6/27.6	34.5/34.5	115/92
06DX3376-1500	230	3	60	10	6	10	15,900	24.8/24.8	31.0/31.0	103/86
06DX5376-1400	200	3	60	15	6	10	20,700	35.6/35.6	44.5/44.5	160/133
06DX5376-1500	230	3	60	15	6	10	20,700	32.0/32.0	40.0/40.0	144/120
06DX3286-1800	220	3	50	10	6	10	13,200	41.6	52	143
06DX3376-1800	220	3	50	10	6	10	13,200	41.6	52	143
06DX5376-1800	220	3	50	15	6	10	17,200	46.9	67	200

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06D Compressor Application Data

Med Temp, Three Phase

CARLYLE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
06DM8086GC3150	575	3	60	3	2	3	4100	4.5	7	28.4
06DM8086GC3250	208/230	3	60	3	2	3	4100	11.2	17.4	71
06DM8086GC3650	400/460	3	50/60	3	2	3	3,400/4,100	7/5.6	8.7	35.5
06DM3136CC3150	575	3	60	5	4	5	6250	6.9	10.8	40
06DM3136CC3250	208/230	3	60	5	4	5	6250	17.3	27	100
06DM3136CC3650	400/460	3	50/60	5	4	5	5,200/6,250	10.8/8.6	13.5	50
06DM3166CC3150	575	3	60	5	4	5	6250	6.9	10.8	40
06DM3166CC3250	208/230	3	60	5	4	5	6250	17.3	27	100
06DM3166CC3650	400/460	3	50/60	5	4	5	5,200/6,250	8.6	13.5	50
06DM8186AC0100	575	3	60	6.5	4	7		11.3-12.6		64-50
06DM8186AC0600	460	3	60	6.5	4	7		14.1-15.7		80-62
06DM8186AC1200	208/230	3	60	6.5	4	7		28.2-34.9		160-137
	575	3	60	6.5	4	7		11.3-12.6		64-50
	460	3	60	6.5	4	7		14.1-15.7		80-62
	208/230	3	60	6.5	4	7		28.2-34.9		160-137
06DM3376DC3150	575	3	60	10	6	10	16,500	16	25	91
06DM3376DC3650	400/460	3	50/60	10	6	10	13,700/16,500	22.1/19.9	31	114
06DM3376DC3250	208/230	3	60	10	6	10	16,500	39.7	62	228
06DM5376BC0100	575	3	60	15	6	10		20.5		96
06DM5376BC0600	400/460	3	50/60	15	6	10		57.1		120
06DM5376DC3250	208/230	3	60	15	6	10		25.6		266

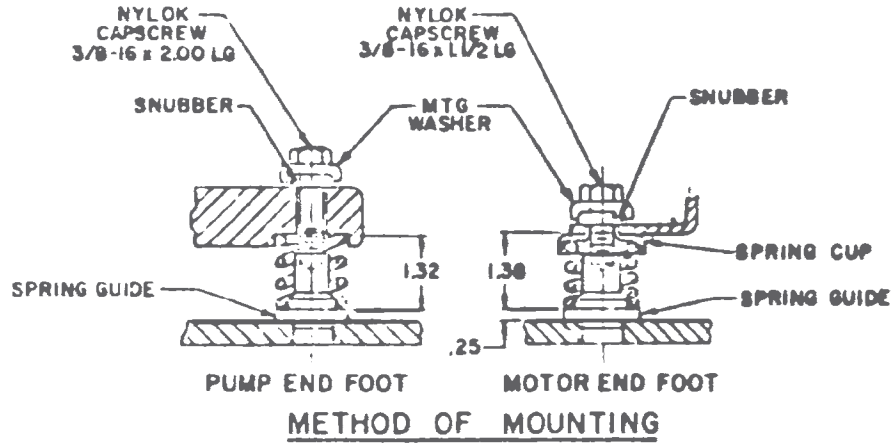
High Temp, Suction Cut Off, Three Phase

CARLYLE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
06DS3136AC3100	575	3	60	5	4	5	6,250	6.9	10.8	40
06DS3136AC3600	400/460	3	50/60	5	4	5	5,200/6,250	10.8/8.6	13.5	50
06DS3136AC1200	208/230	3	60	5	4	5	6,250	17.3	27	100
06DS8186AC3100	575	3	60	6.5	4	7	10,800	11.3	17.6	64
06DS8186AC3600	400/460	3	50/60	6.5	4	7	9,000/10,800	15.7/14.1	22	80
06DS8186AC3200	208/230	3	60	6.5	4	7	10,800	28.2	44	160
06DS8246AC3100	575	3	60	7.5	6	10	12,800	14.2	22	79
06DS8246AC3600	400/460	3	50/60	7.5	6	10	10,700/12,800	19.9/17.8	27.8	99
06DS8246AC3200	208/230	3	60	7.5	6	10	12,800	35.5	55.5	198
06DS8246BC3100	575	3	60	7.5	6	10	12,800	14.2	22	79
06DS8246BC3600	400/460	3	50/60	7.5	6	10	10,700/12,800	19.9/17.8	27.8	99
06DS8246BC3200	208/230	3	60	7.5	6	10	12,800	35.5	55.5	198
06DS8256BC3100	575	3	60	7.5	6	10	12,800	14.2	22	79
06DS8256BC3600	460	3	60	7.5	6	10	12,800	17.8	27.8	99
06DS8256BC3200	208/230	3	60	7.5	6	10	12,800	35.5	55.5	198
06DS3286BC3100	575	3	60	10	6	10	16,500	16	25	91
06DS3286BC3600	400/460	3	50/60	10	6	10	13,700/16,500	22.1/19.9	31	114
06DS3286BC3200	208/230	3	60	10	6	10	16,500	39.7	62	228
06DS5376BC0100	575	3	60	15	6	10	20,700	20.5	32	96
06DS5376BC0600	400/460	3	50/60	15	6	10	17,200/20,700	32/25.6	40	120
06DS5376BC1200	208/230	3	60	15	6	10	20,700	57.1	89	266

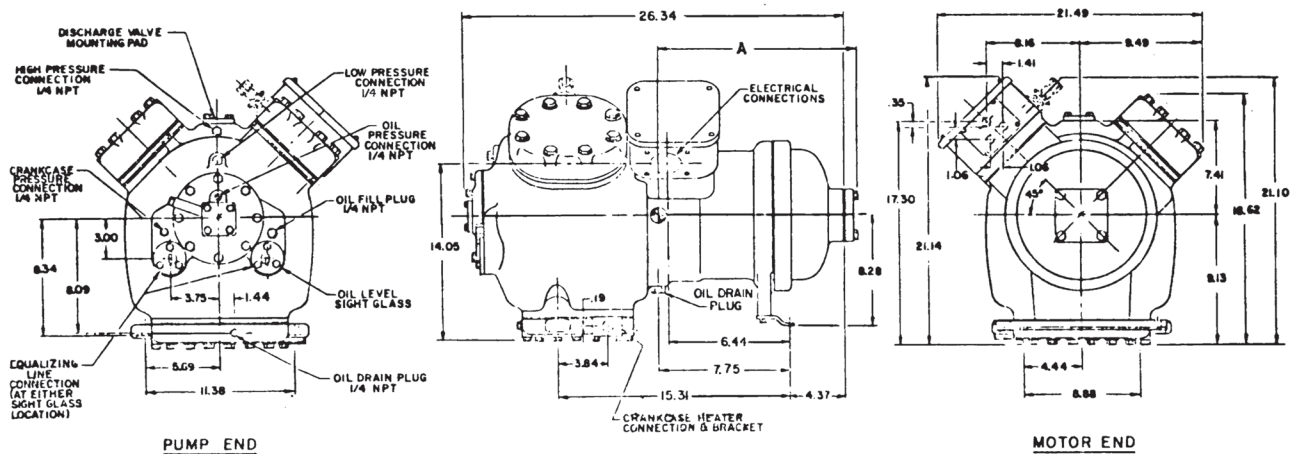
CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06E Compressor Drawings

4 Cylinder



	06E()150	06E()250	06E()266
Motor Horsepower	15	20	25
No. Of cylinders	4	4	4
Bore and stroke (in.)	2.688 x 2.188	2.688 x 2.188	2.688 x 2.874
Displacement cfm at 1750 rpm	50	50	66
Oil, charge, pints cpp33-2	14	14	14
Nameplate test pressure -high	450 PSI	450 PSI	450 PSI
Nameplate test pressure -low	315 PSI	315 PSI	315 PSI
Dry weight less service valves	390 LBS	400 LBS	416 LBS
Max. Operating conditions r-22	50/120° F	50/145° F	50/130° F



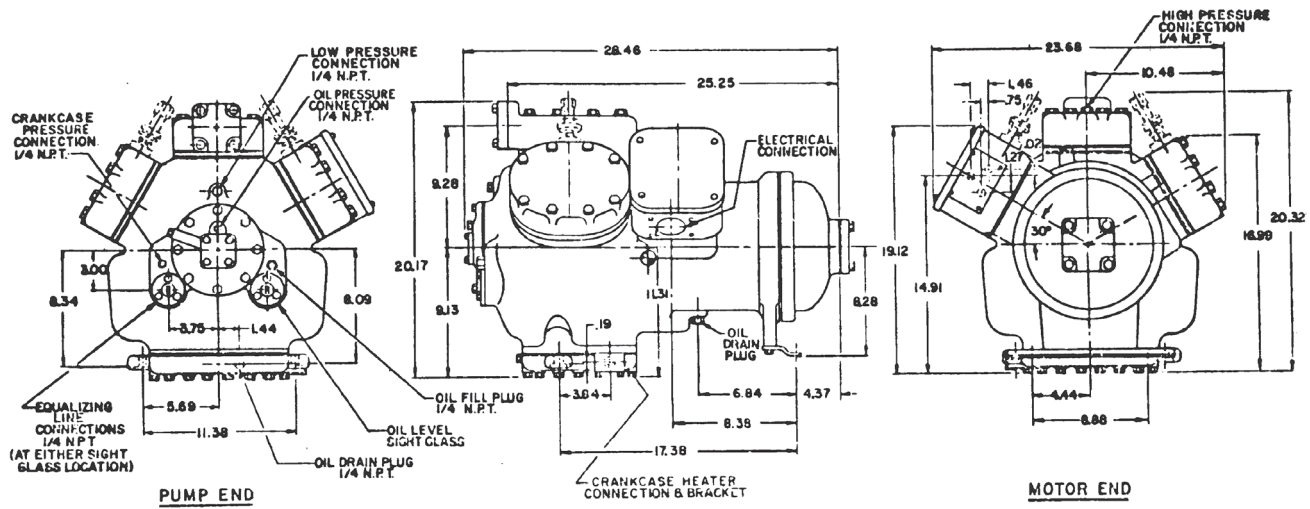
Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06E Compressor Drawings

6 Cylinder

	06E()265	06E()175	06E()275
Motor Horsepower	25	25	30
No. Of Cylinders	6	6	6
Bore and Stroke (in.)	2.688 x 1.980	2.688 x 2.188	2.688 x 2.188
Displacement cfm at 1750 RPM	65	75	75
Oil, charge, pints cpp33-2	19	19	19
Nameplate test Pressure -High	450 PSI	450 PSI	450 PSI
Nameplate test Pressure -Low	315 PSI	315 PSI	315 PSI
Dry weight less Service Valves	460 LBS	435 LBS	460 LBS
Max. Operating conditions R-22	50/145° F	50/120° F	50/145° F

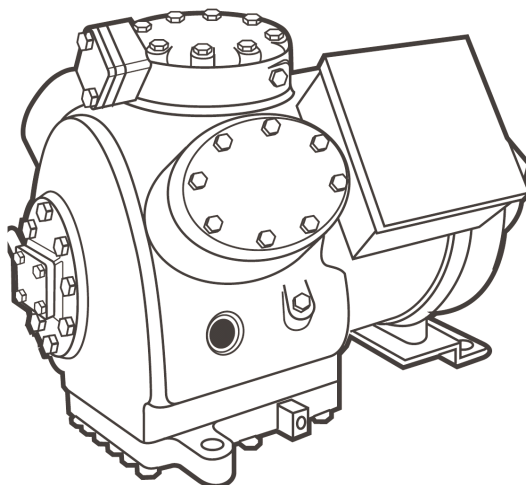


	06E()099	06E()199	06E()299
Motor Horsepower	30	35	40
No. Of Cylinders	6	6	6
Bore and Stroke (in.)	2.688 x 2.874	2.688 x 2.874	2.688 x 2.874
Displacement CFM at 1750 RPM	65	99	99
Oil, charge, pints cpp33-2	19	19	19
Nameplate test Pressure -High	450 PSI	450 PSI	450 PSI
Nameplate test Pressure -Low	315 PSI	315 PSI	315 PSI
Dry weight less Service Valves	495 LBS	495 LBS	519 LBS
Max. Operating conditions R-22	50/145° F	50°/120° F	50°/145° F

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06E Compressor Application Data

Medium and High Temp Air-Cooled Condenser



06E MEDIUM AND HIGH TEMPERATURE COMPRESSOR APPLICATION DATA

MODEL NO	HP	CYL	REFR	SUCTION TEMP RANGE (F)	SST	SCT	SC	BTUH
06E()150	15	4	R-22	0 to 50	45°	130°	0°	-
06E()250	20	4	R-22	0 to 50	45°	130°	0°	223.3
06E()265	25	6	R-22	0 to 50	45°	130°	0°	300.3
06E()266	25	4	R-22	0 to 50	45°	130°	0°	290
06E()175	25	6	R-22	0 to 50	45°	130°	0°	-
06E()275	30	6	R-22	0 to 50	45°	130°	0°	332.8
06E()199	35	6	R-22	0 to 50	45°	130°	0°	-
06E()299	40	6	R-22	0 to 50	45°	130°	0°	437.9

Medium and High Temp Water-Cooled Condenser

MODEL NO	HP	CYL	REFR	SUCTION TEMP RANGE (F)	SST	SCT	SCT	BTUH
06E()150	15	4	R-22	0 to 50	40°	105°	0°	245.9
06E()250	20	4	R-22	0 to 50	40°	105°	0°	247
06E()265	25	6	R-22	0 to 50	40°	105°	0°	334.7
06E()266	25	4	R-22	0 to 50	40°	105°	0°	302.6
06E()175	25	6	R-22	0 to 50	40°	105°	0°	364.3
06E()275	30	6	R-22	0 to 50	40°	105°	0°	363
06E()199	35	6	R-22	0 to 50	40°	105°	0°	469.7
06E()299	40	6	R-22	0 to 50	40°	105°	0°	476.3

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06E Compressor Application Data

Standard Efficiency

CARLYLE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
06EX150-160	575	3	60	15	4	14	22,000	31	38	98
06EX150-360	208-230/460	3	60	15	4	14	22,000	72/36	90/45	283/142
06EX150-660	400/460	3	50/60	15	4	14	18,300/22,000	72/36	90/45	283/142
06EX250-160	575	3	60	20	4	14	25,300	36	45	120
06EX250-360	208-230/460	3	60	20	4	14	25,300	87/44	108/54	345/173
06EX250-660	460	3	60	20	4	14	25,300	45	56	150
06EX266-160	575	3	60	25	4	14	33,600	46	57	164
06EX266-360	208-230/460	3	60	25	4	14	33,600	112/56	140/70	446/223
06EX266-660	460	3	60	25	4	14	33,600	57	71	205
06EX250-360	200/400	3	50	20	4	14	21,100	87/44	108/54	345/173
06EX250-660	400	3	50	20	4	14	21,100	45	56	150
06EX266-360	200/400	3	50	25	4	14	28,000	112/56	140/70	446/223
06EX266-660	400	3	50	25	4	14	28,000	57	71	205
06EX265-160	575	3	60	25	6	19	33,600	46	57	164
06EX265-360	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06EX265-660	460	3	60	25	6	19	33,600	57	71	205
06EX265-160	575	3	60	25	6	19	33,600	46	57	164
06EX265-360	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06EX265-660	460	3	60	25	6	19	33,600	57	71	205
06EX175-160	575	3	60	25	6	19	33,600	46	57	164
06EX175-360	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06EX175-660	460	3	60	25	6	19	33,600	57	71	205
06EX275-160	575	3	60	30	6	19	39,100	52	65	176
06EX275-360	208-230/460	3	60	30	6	19	39,100	135/68	168/84	506/253
06EX275-660	460	3	60	30	6	19	39,100	65	81	220
06EX299-160	575	3	60	40	6	19	54,000	77	97	240
06EX299-360	208-230/460	3	60	40	6	19	54,000	189/95	236/118	690/345
06EX299-660	460	3	60	40	6	19	54,000	97	121	300
06EX265-360	200/400	3	50	20	6	19	28,000	112/56	140/70	446/223
06EX265-660	400	3	50	20	6	19	28,000	57	71	205
06EX175-360	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
06EX175-660	400	3	50	25	6	19	28,000	57	71	205
06EX275-360	200/400	3	50	30	6	19	32,600	135/68	168/84	506/253

FOR PREFERENCE PHYSICAL AND ELECTRICAL DATA

06EX HAS BEEN REPLACED BY 06ET SERIES

CARLYLE SEMI-HERMETIC COMPRESSORS

Carlyle 06E Compressor Application Data

High Efficiency, Suction Cut-Off

CARLYLE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
06ET150-160	575	3	60	15	4	14	22,000	31	38	98
06ET150-360	208-230/460	3	60	15	4	14	22,000	72/36	90/46	283/142
06ET150-660 PW	460	3	60	15	4	14	22,000	36	46	142
06ET250-160	575	3	60	20	4	14	25,300	36	45	120
06ET250-360	208-230/460	3	60	20	4	14	25,300	87/44	108/54	345/173
06ET250-660 PW	460	3	60	20	4	14	25,300	44	54	173
06ET150-320	200/400	3	50	15	4	14	18,300	72/36	90/46	283/142
06ET150-360	200/400	3	50	15	4	14	18,300	72/36	90/46	283/142
06ET150-620	400	3	50	15	4	14	18,300	36	46	142
06ET150-660 PW	400	3	50	15	4	14	18,300	36	46	142
06ET250-320	200/400	3	50	20	4	14	21,100	87/44	108/54	345/173
06ET250-360	200/400	3	50	20	4	14	21,100	87/44	108/54	345/173
06ET250-620	400	3	50	20	4	14	21,100	44	54	173
06ET250-660 PW	400	3	50	20	4	14	21,100	44	54	173
06ET265-160	575	3	60	25	6	19	33,600	46	57	164
06ET265-360	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06ET265-360 R	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06ET265-660 PW	460	3	60	25	6	19	33,600	56	70	223
06ET175-160	575	3	60	25	6	19	33,600	46	57	164
06ET175-360	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06ET175-360 R	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
06ET175-660 PW	460	3	60	25	6	19	33,600	56	70	223
06ET275-160	575	3	60	30	6	19	39,100	52	65	176
06ET275-360	208-230/460	3	60	30	6	19	39,100	135/68	168/84	506/253
06ET275-360 R	208-230/460	3	60	30	6	19	39,100	135/68	168/84	506/253
06ET275-660 PW	460	3	60	30	6	19	39,100	68	84	253
06ET299-160	575	3	60	40	6	19	54,000	75	94	276
06ET299-360	208-230/460	3	60	40	6	19	54,000	189/95	236/118	690/345
06ET299-360 R	208-230/460	3	60	40	6	19	54,000	189/95	236/118	690/345
06ET299-660 PW	460	3	60	40	6	19	54,000	95	118	345
06ET265-320	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
06ET265-360	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
06ET265-620	400	3	50	25	6	19	28,000	56	70	223
06ET265-660	400	3	50	25	6	19	28,000	56	70	223
06ET175-320	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
06ET175-360	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
06ET175-620	400	3	50	25	6	19	28,000	56	70	223
06ET175-660	400	3	50	25	6	19	28,000	56	70	223
06ET275-320	200/400	3	50	30	6	19	32,600	135/68	168/84	506/253
06ET275-360	200/400	3	50	30	6	19	32,600	135/68	168/84	506/253
06ET275-620	400	3	50	30	6	19	32,600	68	84	253
06ET275-660	400	3	50	30	6	19	32,600	68	84	253
06ET299-320	200/400	3	50	40	6	19	45,000	189/95	236/118	690/345
06ET299-360	200/400	3	50	40	6	19	45,000	189/95	236/118	690/345
06ET299-620	400	3	50	40	6	19	45,000	95	118	345
06ET299-660	400	3	50	40	6	19	45,000	95	118	345

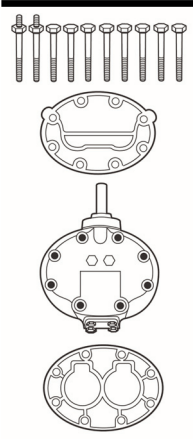
“R” Suffix designates Reverse Head
 “PW” Suffix designates Part Wind Compressor

Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

06D Suction Cutoff Unloading Kits

Electric Capacity Control



The capacity control valve in this package is actuated by an electric solenoid. The solenoid is either energized or de-energized by the action of an external controller. The solenoid coil is not supplied with this package.

This package can be used to (1) convert an 06D compressor with hot gas bypass unloading to electrically operated suction cutoff unloading, (2) add unloading or(3) add a second bank of unloading to an 06D compressor.

The kit consists of the following:

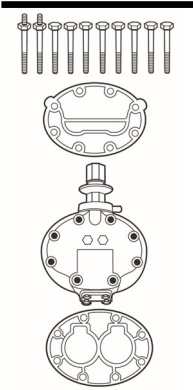
- Cylinder Head **06DA504614** Assembly (incl. 06EA660135 capacity control valve)
- Valve Plate Gasket **06DA500153**
- Cylinder Head Gasket **05GA502223**
- Cylinder Head Bolts **AA06GR239**
- Instructions

Solenoid Coils for electric unloader valve: **(NOT INCLUDED)**

PART NO.	VOLTAGE
EF 19ZE024	24
EF 19ZE120	120
EF 19ZE240	208-240

Part Number	Description
06DA660089	Electric Capacity Control

06D Suction Cutoff Unloading Kits with Pressure Capacity Control



NOT RECOMMENDED FOR REFRIGERATION APPLICATIONS

The capacity control valve in this package is controlled by suction pressure and actuated by discharge pressure.

This package can be used to:

- (1) convert an 06D compressor with hot gas bypass unloading to suction cutoff unloading,
- (2) add unloading, or
- (3) add a second bank of unloading to an 06D compressor.

The kit consists of the following:

- Cylinder Head Assembly **06DA504614** (incl.06EA660100 capacity control valve)
- Valve Plate Gasket **06DA500153**
- Cylinder Head Gasket **050A502223**
- Cylinder Head Bolts **AA06GR239**
- Instructions

Part Number	Description
06DA660090	06D Suction Cutoff Unloading Kits With Pressure Capacity Control

06D Suction Cutoff Unloader Repair Kit

Suction Cutoff Unloading

This kit contains the parts used internally for the suction cutoff unloading head. It is used for both electric and pressure operated suction cutoff unloading applications. The kit **does not** contain the capacity control valve.

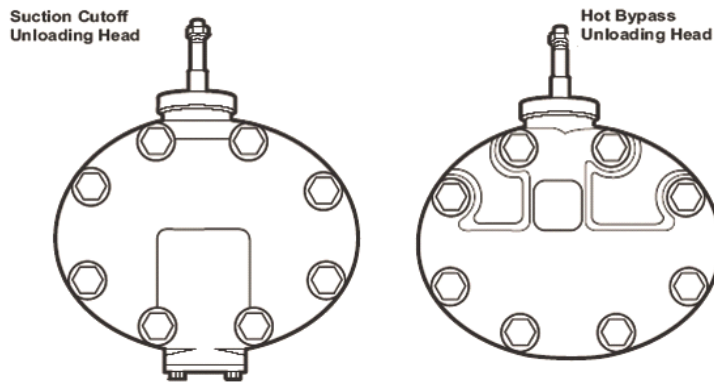
The kit contains the following:

- Piston and Ring **06DA503072**
- Valve Body **06DA502963**
- Spring **06DA502953**
- Capacity Control Valve Gasket **06EA501253**
- Cover Gasket **06DA502983**
- Strainer **6D75601**
- Instructions

Part Number	Description
06DA660111	Suction Cutoff Unloading

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

06E Suction Cutoff Unloading VS Hot Gas Bypass Unloading



Suction cutoff unloading is a more efficient unloading method for the 06D/06E compressors. There are substantial energy savings and improved compressor reliability when a hot gas bypass unloading system is replaced with suction cutoff unloading.

Since 1981 many of the Commercial Products Carrier produced with 06E compressors utilized "Suction Cutoff Unloading" in place of Hot Gas Bypass Unloading. It is easy to identify a suction cutoff unloading compressor from a hot gas bypass unloading compressor.

This can be done in one of two ways:

#1) The Finished Goods (new) compressor model number is different than the hot gas bypass model number.

#2) The unloading heads themselves physically look different.

The parts used in Hot Gas Bypass are different from those used in Suction Cutoff Unloading.

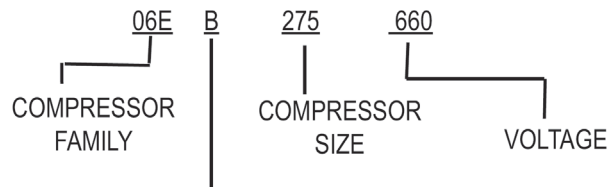
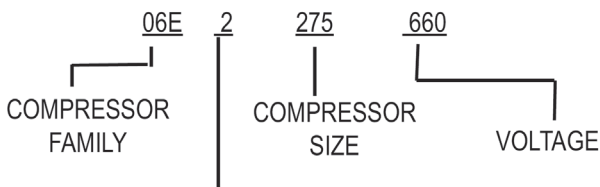
These differences are:

CENTER CYLINDER HEAD 06EA502074

STANDARD HEAD 06E502084 REVERSED HEAD

SUCTION CUTOFF

HOT GAS BYPASS



2	one electric unloader	Reversed Center Head (6 cylinder)
3	two electric unloaders	
4	one pressure unloader	
5	two pressure unloaders	
6	one electric unloader	
7	two electric unloaders	
8	one pressure unloader	
9	two pressure unloaders	

B	one electric unloader	Reversed Center Head (6 cylinder)
C	two electric unloaders	
D	one pressure unloader	
E	two pressure unloaders	
J	one electric unloader	
K	two electric unloaders	
L	one pressure unloader	
N	two pressure unloaders	

HOT GAS BYPASS PART NO	SUCTION CUTOFF PART NO	CENTER CYLINDER HEAD	DESCRIPTION
06EA660105	--	06EA680137	Valve Plate Package
06EA503314	--	06EA503334 (stnd)	Cylinder Head Gasket
--	06EA660137	06EA660137	Valve Plate Package
--	06EA503334	06EA503314 (rev)	Cylinder Head Gasket
--	06EA503524	--	Cylinder Head

The valve plate gasket for both Hot Gas Bypass and Suction Cutoff is 06EA504884.

Both hot gas bypass and suction cutoff use the same Control Valve Packages:

Pressure Control Valve **P/N 06EA660100**

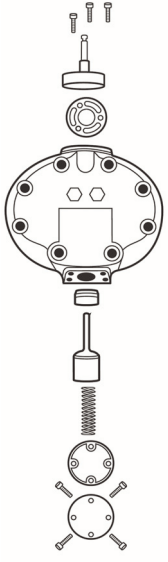
Electric Control Valve **P/N 06EA660135**

These control valves are similar to those you used in the past except that the bypass piston is now separate from the valve and the pressure control valve has had internal modifications that allow it to operate on suction cutoff applications

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

06E Suction Cutoff Unloader Repair Kit

Electric Capacity Control Modification



The capacity control valve in this package is actuated by an electric solenoid. The solenoid is either energized or de-energized by the action of an external controller. The solenoid coil is not supplied with this package.

This package can be used to

- 1) convert an 06E compressor with hot gas bypass unloading to electrically operated suction cutoff unloading,
- 2) add unloading or add a second bank of unloading to an 06D compressor.

The kit consists of the following:

- Cylinder Head 06EA502094 Assembly (incl. **06EA660135** electric capacity control valve)
- Valve Plate Gasket A/C **06EA506414** & Ref. **06EA501853**
- Suction Valves **06EA660104**
- Cylinder Head Gasket **06EA503334**
- Capscrews **AB44AA168**
- Washers **AU52YA171**
- Instructions

Solenoid Coils for electric unloader valve: **(NOT INCLUDED)**

PART NO.	VOLTAGE
EF19ZE024	24
EF19ZE120	120
EF19ZE240	208-240

Part Number	Description
06EA660138	Electric capacity control modification Package

06E Suction Cutoff Unloading Kit

Pressure Capacity Control Modification Package

The capacity control valve in this package is controlled by suction pressure and actuated by discharge pressure.

This package can be used to

- (1) convert an 06E compressor with hot gas bypass unloading to pressure operated suction cutoff unloading,
- (2) add unloading, or
- (3) add a second bank of unloading to an 06E compressor.

The kit contains the following:

- Cylinder Head 06EA502094 (incl. **06EA660100** electric capacity control valve)
- Valve Plate Gasket A/C **06EA506414**)
- Suction Valves **06EA660104**
- Cylinder Head Gasket **06EA503334**
- Capscrews **AB44AA168**
- Washers **AU52YA171**
- Instructions

Part Number	Description
06EA660139	Pressure Capacity Control Modification Package

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

06E and 06D Suction Cutoff Unloading Repair Kit

This kit contains the parts used internally for the suction cutoff unloading head. It is used for both electric and pressure operated suction cutoff unloading applications. This can be used with 06EA660138 and 06EA660139
The kit does not contain the capacity control valve.

The kit contains the following:

- Piston **06EA505224**
- Ring **06EA502023**
- Valve Body **06DA408824**
- Spring
- Capacity Control Valve Gasket **06EA501253**
- Cover Gasket **06EA501382**
- Strainer **6D75601**
- Instructions

Part Number	Description
06EA660079	Suction Cutoff Unloading Repair Kit

Control Valve Kits

These kits contain the capacity control valve. The 06D and 06E compressors use the same capacity control valve. (The piston assembly is used with hot gas bypass unloading only.)

06EA660100 Pressure operated kit contains the following:

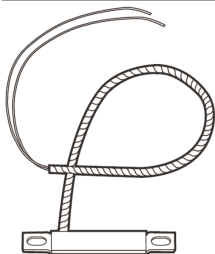
- Pressure Operated Capacity Control Valve **06EA660100**
- Capacity Control Valve Gasket **06EA501253**
- Piston Assembly (for HGBP) **06EA505224**
- Wrench **06EA680036**
- Instructions

06EA660135 Electrically operated kit contains the following:

- Electrically Operated Capacity Control Valve **06EA660135**
(Select appropriate solenoid coil: **24, 120, or 208-240V**)
- Capacity Control Valve Gasket **06EA501253**
- Piston Assembly (for HGBP) **06EA505224**
- Instructions

Crankcase Heaters

Bar/Strip Style - 06D, 2 CYL. And 4 CYL. 8, 9, 13, 16 CFM Models



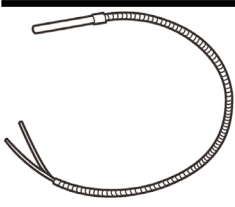
Dimensions: 7-1/2" Long, 1" Wide, 1/2" Thick

Part Number	Watts	Volts	Length (in)	
			Lead	Conduit
06DA660091	50	115	39	24
06DA660092	50	230	39	24

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

Crankcase Heaters

Bar/Strip Style - 06D, 06E, 06CC, 06CY


Features:

- New Straight Tube Heater Design
- Kit contains crankcase heater, retainer clip and anti-short bushing, Heat Conducting Grease (P/N: **38AQ680001**)

Part Number	Heater Number	Watts	Volts	Length (in)	
				Conduit	Wire
06EA660165	HT36DM132	180	115	19	24
06EA660167	HT36DM134	180	115	52	73
06EA660166	HT36DM432	180	230	19	24
06EA660168	HT36DM434	180	230	52	73
06DA660076	HT36DL480	125	480	NONE	24
06EA660107	HT36FL379	125	120	52	73
06EA660108	HT36FL479	125	240	52	73

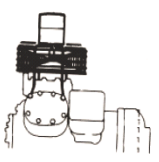
Liquid Injection Valves (For R-22 Low Temp. Apps)

06DR, 06EY, 06CY

Part Number	Valve Size	Usage
EA11ZC011	1/2 Ton	All 06DR, 06CY16, 18, 24, 25, 28, 37
EA11ZC022	1 Ton	06EY750, 765, 775 - 06CY550, 665, 675
EA11ZC030	1-1/2 Ton	06EY799 - 06CY899

Optional Accessories

06D Cylinder Head Cooling Fan Package



Part Number	Series	Electrical Rating
06DR660014	06DR	208/230-1-60/1550 RPM
06ER660011	06EY	208/230-1-60/1550 RPM

06D Sight Glass Removal Tool

Part Number	Description
T-133300B-1	06D Sight Glass Removal Tool

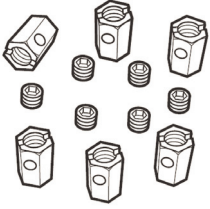
06D Terminal Lug Socket Tool

Part Number	Description
P920-0009	06D Terminal Lug Socket Tool

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

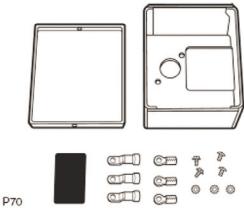
Optional Accessories

Terminal Package



Part Number	Description
06DA660095	Terminal Package for 06D Compressors

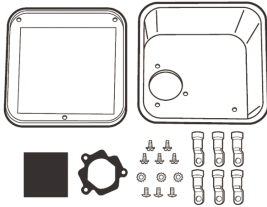
06D Terminal Box Kit - Square



This kit consists of the terminal box and cover plus all screws, washers, and terminals. 06DA660075 can be used in place of 06DA660078 Terminal Box and Cover Package if overloads are to be used with the compressor. However, it may be necessary to field fabricate a mounting box spacer to allow the 06DA660075 box to mount on the compressor body without interfering with the Compressor Terminal Insulator.

Part Number	Description
06DA660075	Terminal Box and Cover Package - Square

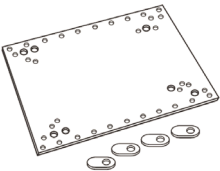
06D Terminal Box Kit - Deep



The 06DA660078 Terminal Box and Cover Package mounts directly to the Terminal Plate.

Part Number	Description
06DA660078	Terminal Box and Cover Package - Deep

06D, 06E Compressor Mounting Plate Kit



This universal mounting plate kit will accommodate any size 06D or 06E compressor offered by RCD. The kit includes the predrilled mounting plate, spacers and template.

Part Number	Description
06EA660096	Universal Mounting Plate Kit

06E Terminal Lugs



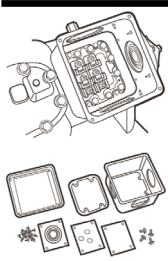
Note: For some 200/230 volt across the line installations, the connection of 3 power wires to the compressor may not be possible because the wire diameter may be too large to fit the below listed lugs. In these instances we recommend that 6 motor leads and 6 terminal lugs be used to connect to the compressor terminal plate. The use of 6 leads (instead of 3) allows for a wire size reduction. Consult the National Electric Code or your local electric code for the appropriate wire sizing information.

Part Number	Fits Wire Size	Description
HY85TB008	#8 to #4	06E Terminal Lugs
HY85TB004	#4 to #1	06E Terminal Lugs

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

Optional Accessories

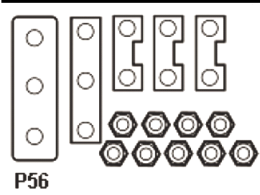
06E Terminal Box Kits



This kit consists of the terminal box, cover, gasket and 3 cover plates (one blank, one with 3 knockouts, one with concentric knockouts). Screws are included.

Part Number	Description
06EA660095	06E Terminal Box Kits

Old Terminal Plate Kit



Part Number	Description
06EA660141	Old Terminal Plate Kit

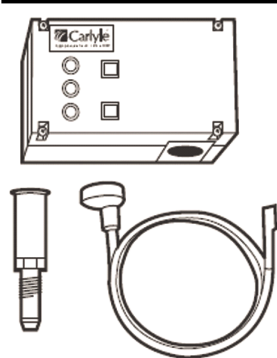
06D Replacement Terminal Plate Kit

Part Number	Description
06DA660-134	06D Replacement Terminal Plate Kit

Replacement Gasket Only

Part Number	Description
6D401061	Replacement Gasket Only

06D, 06E Electronic Lube Oil Control



- Features:**
- Solid State
 - LED'S continuously display status of the compressor lubrication system.
 - When control is connected to 06E bearing head or 6D68-952A (new 06D bearing head) external tubing is eliminated.
 - Timing is not cumulative as in controls using a thermal timing circuit. Each time a low oil pressure condition is sensed the time delay will be of full duration.
 - Short cycle protection – select either 35, 65 or 100 second time delay periods to prevent rapid cycling (feature can also be bypassed)
 - Manual Reset

Part Number	Description
06DA660115	Electronic Lube Oil Control

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

Optional Accessories

Special Gasket for Transducer & Bearing Head Connection

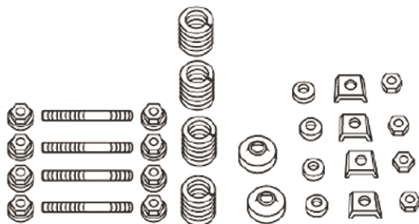
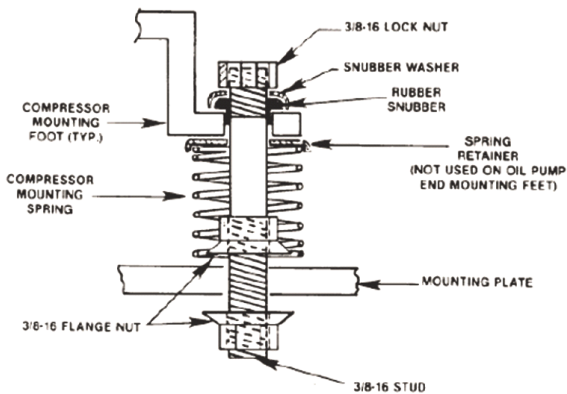
Part Number	Description
06DA680-063	Special Gasket For Transducer

06D, 06E Lube Oil Control



Part Number	Description
060B2008	Lube Oil Control

06D, 06E Suspension Kit



P58

COMPRESSOR MODEL NO.	SUSPENSION KIT PART NO.
06ET150	06EA660089
250	
265	
175	
275	
299	
06EX150	06EA660089
250	
166	
266	
265	
175	
275	
199	
06EY150	06EA660089
166	
175	
099	
06EZ150	06EA660089
266	
175	
199	
06DX8186	06DA660056 06DA660057
7246	
8246	
3286	
3376	
5376	

COMPRESSOR MODEL NO.	SUSPENSION KIT PART NO.
06DR1096	06DA660058
136	06DA660056
3166	06DA660056
7186	06DA660056
8206	06DA660056
7246	06DA660057
2286	06DA660057
3376	06DA660057
06DM8086	06DA660058
3136	06DA660056
3166	06DA660056
8186	06DA660056
3376	06DA660056
5376	06DA660057
7246	06DA660057
8246	06DA660057
06CY016	06DA660057
18	06DA660057
124	06DA660057
228	06DA660057
337	06DA660057
550	06EA660089
665	06EA660089
675	06EA660089
899	06EA660089

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

Optional Accessories

06D Compressor Overloads

COMPRESSOR SIZE	VOLTAGE	PART NO.	REMARKS
06DR109	208/230-1-60	HN69GZ025 HN69GZ032	Common Start
06DM808 06DR013	208/230-1-60	HN69GZ024 HN69GZ014	Common Start
06DM313 06DM316 06DR316 06DR718	208/230-1-60	HN69GZ106 HN69GZ037	Common Start
06DR109	208/230 460 575	HN69GZ007 HN69GZ015 HN69GZ011	2 Required
06DM808 06DR013	208/230 460 575	HN69GZ053 HN69GZ012 HN69GZ012	2 Required
06DM313 06DM316 06DR316 06DR718	208/230 460 575	HN69GZ024 HN69GZ014 HN69GZ032	2 Required
06DA818 06DR820 06DR724 (25)	208/230 460 575	HN69GZ214 HN69GZ038 HN69GZ037	2 Required
06DA824 (25) 06DR228	208/230 460 575	HN69GZ306 HN69GZ010 HN69GZ053	2 Required
06DA328 06DM337 06DR337	208/230 460 575	HN69GZ309 HN69GZ024 HN69GZ025	3 Required 2 Required 2 Required
06DA537 06DR541	208/230 460 575	HN69GZ214 HN69GZ106 or HN69GZ307 HN69GZ301	4 Required** 2 Required 2 Required

*Based on new High Efficiency (HE) extended voltage compressor models.

**Two overloads in parallel in legs 1 and 3.

NOTE: Most 06D compressors have internal thermostat installed in motor & wired across terminals 8 & 9 at the terminal block. It trips (opens) control circuit at 221°F (105°C) and resets at 181°F (83°C).

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

Optional Accessories

Shipping Pads

MODEL	SUCTION VALVE BLANK OFF PAD	BOLTS	SUCTION VALVE PAD GASKET	DISCHARGE VALVE BLANK OFF PAD	BOLTS	DISCHARGE VALVE PAD GASKET
06DR						
109	06DA504283*	(2) AA06GR199	6D23-1421	06DA504283*	(2) AA06GR199	6D23-1421
013, 316	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
718, 820	06DA502573*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D23-1421
724, 228, 337	06DA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1131
06DM						
808	06DA504283*	(2) AA06GR199	6D23-1421	06DA504283*	(2) AA06GR199	6D23-1421
313, 316, 818	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
724, 824						
2 BOLT SUC. VAL.	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D40-1421
4 BOLT SUC. VAL.	06EA502573*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D40-1421
337, 537	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1421
06DX						
818	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
724, 824 W/:						
2 BOLT SUC. VAL.	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D40-1131
4 BOLT SUC. VAL.	06EA502273*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D40-1131
328, 337, 537	06EA502273*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1131
06DS						
313, 818	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
824	06EA502573*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D40-1131
328, 537	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1131
06ET						
150, 250	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR200	6D40-1131
265	06EA502573*	(4) AA06GR293	6D68-1131	06EA502573*	(4) AA06GR200	6D68-1131
175, 275, 199, 299	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131
06EX						
150, 250	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR200	6D40-1131
265	06EA502573*	(4) AA06GR293	6D68-1131	06EA502573*	(4) AA06GR200	6D68-1131
166	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR200	6D40-1131
175, 275, 199, 299	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131
06EY						
150, 165	06EA402653*	(4) AA06GR323	06EA500181	06DA504253*	(2) AA06GR200	6D40-1131
166, 175, 099	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131
06EZ						
150, 266	06EA402653*	(4) AA06GR323	06EA500181	06DA504253*	(2) AA06GR200	6D40-1131
175, 199	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131

*05GA501762 plug required.

Unloader valve blank off plate: 06DA501032 for both 06D and 06E models.

TOTALINE® SEMI-HERMETIC COMPRESSORS

O6D Application Data, Medium Temp

TOTALINE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
6DM8186TLAC0100	575	3	60	6.5	4	7		11.3-12.6		64-50
6DM8186TLAC0600	460	3	60	6.5	4	7		14.1-15.7		80-62
6DM8186TLAC1200	208/230	3	60	6.5	4	7		28.2-34.9		160-137
6DM8186TLBC0100	575	3	60	6.5	4	7		11.3-12.6		64-50
6DM8186TLBC0600	460	3	60	6.5	4	7		14.1-15.7		80-62
6DM8186TLBC1200	208/230	3	60	6.5	4	7		28.2-34.9		160-137
6D3376TLBC0100T	575	3	60	10	6	10	16,500	16	25	91
6D3376TLBC0600T	400/460	3	50/60	10	6	10	13,700/16,500	22.1/19.9	31	114
6D3376TLBC1200T	208/230	3	60	10	6	10	16,500	39.7	62	228
6D5376TLBC0100T	575	3	60	15	6	10		20.5		96
6D5376TLBC0600T	400/460	3	50/60	15	6	10		57.1		120
6D5376TLBC1200T	208/230	3	60	15	6	10		25.6		266

O6D Application Data, High Temp

TOTALINE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
6D8246TLAC0100T	575	3	60	7.5	6	10	12,800	14.2	22	79
6D8246TLAC0600T	400/460	3	50/60	7.5	6	10	10,700/12,800	19.9/17.8	27.8	99
6D8246TLAC1200T	208/230	3	60	7.5	6	10	12,800	35.5	55.5	198
6D8246TLBC0100T	575	3	60	7.5	6	10	12,800	14.2	22	79
6D8246TLBC0600T	400/460	3	50/60	7.5	6	10	10,700/12,800	19.9/17.8	27.8	99
6D8246TLBC1200T	208/230	3	60	7.5	6	10	12,800	35.5	55.5	198
6D3286TLBC0100T	575	3	60	10	6	10	16,500	16	25	91
6D3286TLBC0600T	400/460	3	50/60	10	6	10	13,700/16,500	22.1/19.9	31	114
6D3286TLBC1200T	208/230	3	60	10	6	10	16,500	39.7	62	228
6D5376TLBC0100T	575	3	60	15	6	10	20,700	20.5	32	96
6D5376TLBC0600T	400/460	3	50/60	15	6	10	17,200/20,700	32/25.6	40	120
6D5376TLBC1200T	208/230	3	60	15	6	10	20,700	57.1	89	266

O6E Application Data, Standard Efficiency

TOTALINE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
6E150TL160T	575	3	60	15	4	14	22,000	31	38	98
6E150TL360T	208-230/460	3	60	15	4	14	22,000	72/36	90/45	283/142
6E250TL160T	575	3	60	20	4	14	25,300	36	45	120
6E250TL360T	208-230/460	3	60	20	4	14	25,300	87/44	108/54	345/173
6E250TL360T	200/400	3	50	20	4	14	21,100	87/44	108/54	345/173
6E265TL160T	575	3	60	25	6	19	33,600	46	57	164
6E265TL360T	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
6E175TL160T	575	3	60	25	6	19	33,600	46	57	164
6E175TL360T	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
6E275TL160T	575	3	60	30	6	19	39,100	52	65	176
6E275TL360T	208-230/460	3	60	30	6	19	39,100	135/68	168/84	506/253
6E299TL160T	575	3	60	40	6	19	54,000	77	97	240
6E299TL360T	208-230/460	3	60	40	6	19	54,000	189/95	236/118	690/345

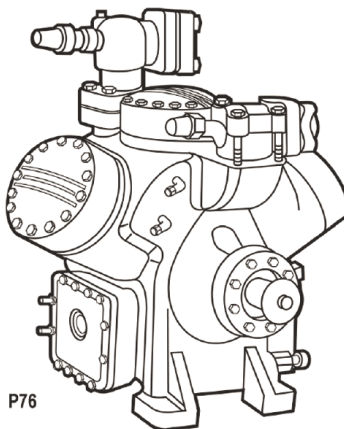
O6E Application Data, High Efficiency

TOTALINE MODEL	VOLTS	PH	HZ	HP	CYL	OIL CHG (PINTS)	MAX WATTS	MAX RLA	MTA	LRA
6E150TL360T	208-230/460	3	60	15	4	14	22,000	72/36	90/46	283/142
6E250TL160T	575	3	60	20	4	14	25,300	36	45	120
6E250TL360T	208-230/460	3	60	20	4	14	25,300	87/44	108/54	345/173
6E250TL360T	200/400	3	50	20	4	14	21,100	87/44	108/54	345/173
6E265TL360T	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
6E265TL360TR	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
6E175TL360T	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
6E175TL360TR	208-230/460	3	60	25	6	19	33,600	112/56	140/70	446/223
6E275TL160T	575	3	60	30	6	19	39,100	52	65	176
6E275TL360T	208-230/460	3	60	30	6	19	39,100	135/68	168/84	506/253
6E275TL360TR	208-230/460	3	60	30	6	19	39,100	135/68	168/84	506/253
6E299TL160T	575	3	60	30	6	19	54,000	75	94	276
6E299TL360T	208-230/460	3	60	30	6	19	54,000	189/95	236/118	690/345
6E299TL360TR	208-230/460	3	60	30	6	19	54,000	189/95	236/118	690/345
6E265TL360	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
6E175TL360T	200/400	3	50	25	6	19	28,000	112/56	140/70	446/223
6E275TL360T	200/400	3	50	30	6	19	32,600	135/68	168/54	506/253
6E299TL360T	200/400	3	50	40	6	19	45,000	189/95	236/118	690/345

CARLYLE OPEN DRIVE COMPRESSORS

5F And 5H Models

Open-Drive Compressor Application Data



Model Number	Nominal Horsepower			Ratings In Tons											
	134a	R-22	R-407c	# OF CYL	Bore (in)	Stroke (in)	CFM @ 1750 RPM	R-22	R-134a	R-407c	Min Speed for Unloader Operation	Oil CHG (Pints)	Suctline ODF (in)	Disch Line ODF (in)	Comp WT (lb)
5F20	6	10	8.8	2	2	2	19.8	8.5	5.2	8.2	600	5	1	7/8	175
5F30	9	15	13	3	2	2	29.8	12.7	7.8	12.3	700	5-1/2	1	1-3/8	215
5F40	11.5	20	17.3	4	2	2	39.8	16.8	10.5	16.3	800	12	1	1-3/8	355
5F60	17	25	26	6	2	2	59.6	25.6	15.7	24.6	900	13	2	1-5/8	400
5H40	27.5	40	39.5	4	3	2-3/4	92.4	39.6	24.7	38.4	800	18	2	2-1/8	610
5H46	35.4	60	51.4	4	3	3-7/16	115.5	49.1	30.6	47.5	800	18	2	2-1/8	610
5H60	40.8	60	59	6	3	2-3/4	138.4	59.4	37.0	57.6	900	21	3	3-1/8	795
5H66	53	75	76.8	6	3	3-7/16	173.0	73.8	45.9	71.4	900	21	3	3-1/8	795
5H80	54.6	75	78.4	8	3	2-3/4	184.7	79.2	49.5	76.8	1100	41	3	3-1/8	1115
5H86	70.5	100	102	8	3	3-7/16	231.0	98.2	61.1	95.3	1100	41	3	3-1/8	1115
5H120	80.5	125	117.1	12	3	2-3/4	276.0	119.0	74.0	115.3	900	61	4	4-1/8	1580
5H126	101.4	150	152.3	12	3	3-7/16	346.0	149.0	91.8	143.0	900	61	4	4-1/8	1580

Notes:

- *40° F saturated suction, 105° F saturated discharge, 15° F superheat, 0° F subcooling.
- 45 PSIG net oil pressure (oil pressure PSIG - suction pressure PSIG).
- ODF = Outside Diameter Female (in.).
- Maximum RPM = 1750.
- Minimum RPM for lubrication = 400 RPM.
- Must use oil cooler on long stroke models: 5H46, 5H66, 5H86, 5H126
- 5F & 5H Compressor Models Available

Compressor Models Available

5F COMPRESSOR MODELS	
COMPRESSOR PART NO.	NO. OF UNLOADERS
5F20-S674	0
5F20-A684	1
5F20-S684	1
5F30-A189	0
5F30-S644	0
5F30-A219	2
5F30-S664	2

5F/5H COMPRESSOR MODELS	
COMPRESSOR PART NO.	NO. OF UNLOADERS
5F40-A219	3
5F40-S219	3
5F60-A219	4
	4
5H40-(+)219	3
5H46-(+)219	3

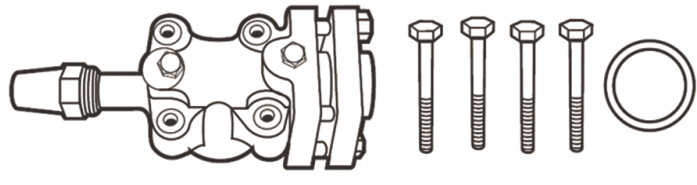
5H COMPRESSOR MODELS	
COMPRESSOR PART NO.	NO. OF UNLOADERS
5H60-(+)219	4
5H66-(+)219	6
5H80-(+)219	6
5H86-(+)219	6
5H120-(+)219	8
5H126-(+)219	8

(+) = May be either "A" (Remanufactured) or "S" (New Manufactured).
 For R404a/R507a application data, contact RCD.

CARLYLE OPEN DRIVE COMPRESSORS

Compressor Accessories

Service Valves - 5F Compressors



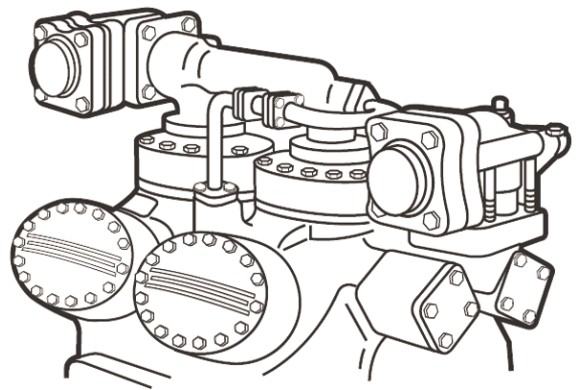
COMPRESSOR MODEL	SUCTION SERVICE VALVE PART NO.	DISCHARGE SERVICE VALVE PART NO.
5F20-S674	06DA660063	06DA660062
5F20-A684	06DA660063	06DA660062
5F20-S684	06DA660063	06DA660062
5F30-AI89	06EA660090	06DA660065
5F30-S644	06EA660090	06DA660065
5F30-A219	06EA660090	06DA660065
5F30-S664	06EA660090	06DA660065
5F40-A219	06EA660090	06DA660065
5F40-S219	06EA660090	06DA660065
5F60-A219	5F660-002	5F660-001
5F60-S219	5F660-002	5F660-001

Service Valves - 5H Compressors

COMPRESSOR MODEL	SUCTION SERVICE VALVE PART NO.	DISCHARGE SERVICE VALVE PART NO.
5H40-(+)219	5H660-008	5F660-002
5H46-(+)219	5H660-008	5F660-002
5H60-(+)219‡	06LA660010	06LA660010
5H66-(+)219‡	06LA660010	06LA660010**
5H80-(+)219	06LA660010*	06LA660010**
5H86-(+)219	06LA660010*	06LA660010
5H120-(+)219‡	06LA660011	06LA660011
5H126-(+)219‡	06LA660011	06LA660011

(+) May be either "A" (Remanufactured) or "S" (New Manufactured).
 ‡ These Models require a suction and a discharge manifold in order to mount the service valve.
 * Requires a suction valve adapter (Part No.: 5H660-006).
 ** Requires a discharge valve adapter (Part No.: 5H660-005).

Relief Valve Kit



Compressor Models 5H 120 & 126 Require the addition of a relief valve and associated piping.
 The Models listed requires a suction and discharge manifold in order to mount the service valve.

COMPRESSOR MODEL	SUCTION SERVICE VALVE PART NO.	DISCHARGE SERVICE VALVE PART NO.
5F20-S674	06DA660063	06DA660062
5F20-A684	06DA660063	06DA660062
5F20-S684	06DA660063	06DA660062
5F30-AI89	06EA660090	06DA660065
5F30-S644	06EA660090	06DA660065
5F30-A219	06EA660090	06DA660065
5F30-S664	06EA660090	06DA660065
5F40-A219	06EA660090	06DA660065
5F40-S219	06EA660090	06DA660065
5F60-A219	5F660-002	5F660-001
5F60-S219	5F660-002	5F660-001

Part Number	Description
5H120-337	Relief Valve Kit

Other Compressor Accessories

Mufflers

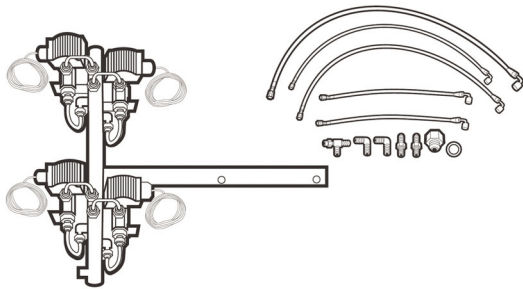


Compressor Model	Part Number	Length (in)	Conn Size (in)
5F20	06DA605614	11-1/4	1-1/8 O.D.F
5F30, 40, 60	05HY500853	13-3/4	1-3/8 O.D.F
5H40, 46, 60, 66	05HY500863	22-5/8	2-5/8 O.D.F
5H80, 86, 120, 126	05HY501013	22-5/8	3-1/8 O.D.F

CARLYLE OPEN DRIVE COMPRESSORS

Other Compressor Accessories

External Unloader Conversion Kit



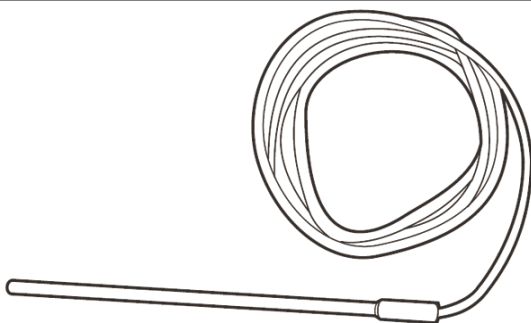
Kit is used to bypass the standard 5 line responds 5F40/5H126 cylinder unloading system that to suction pressure. A field supplied controller is used in conjunction with this kit to control solenoid valves that activate/deactivate cylinder unloaders. External capacity control results in more precise compressor capacity matching to the load.

- 5F Kits contain hand hole cover.
- 5H Kits contain blankoff plates.
- 120 Volt solenoid coils.

Compressor Model	Part Number
5F40	5F40-4FI-A
5F60	5F60-4FI-A
5H40, 46	5H40-4FI-A
5H60, 66, 80, 86	5H60-4FI-A
5H120, 126	5H120-4FI-A

5F Kits contain hand hole cover.
 5H Kits contain blankoff plates.
 120 Volt solenoid coils.

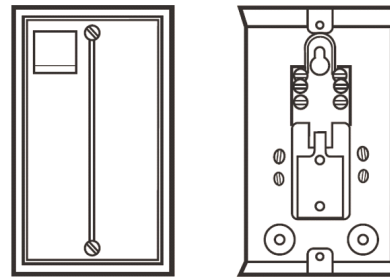
Crankcase Heaters



Compressor Model	Part Number	Watts	Volts	Lead Length (In.)	Sheath Length (In.)
5F20, 30, 40, 60	HT31AZ120	100	120	48	7
5F20, 30, 40, 60	HT31AZ240	100	240	48	7
5H40, 46, 60, 66, 80*, 86*, 120*, 126*	HT31AZ121	200	120	63	7
5H40, 46, 60, 66, 80*, 16*, 120*, 126*	HT31AZ241	200	240	63	7

*These Models Require Two Heaters.

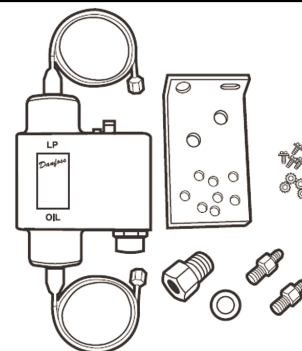
Crankcase Heater Relays



The Crankcase Heater Relay is used to energize the Heater when the compressor is not in operation. The Crankcase Heater Relay is not required when using 32 Series control panels.

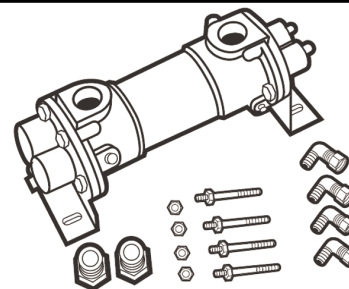
Part Number	Coil Volts
HN61AJ101	120
HN61AJ108	240

Oil Safety Switch



Part Number	Control Only	Time Delay	Connection	Pressure Differential Cut		Volts	Reset
				In	Out		
P529-4120	P529-4120	45 Seconds	36" Lg. Cap w/1/4" Fl. Nuts	15-20 psi	11-15 psi	115/230	Manual

Oil Cooler Package

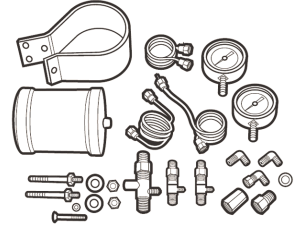


Compressor Model Used On	Part Number
All 5F	5F20-B103
5H40, 46, 60, 66, 80, 86	5H40-B283
5H120, 126	5H120-B283

CARLYLE OPEN DRIVE COMPRESSORS

Other Compressor Accessories

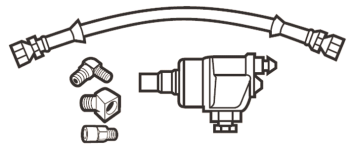
Oil Filter Package



Package Includes:
 (1) partial flow oil filter with fittings (2) angle valves, tubing and (2) oil pressure gauges. All 5H120, 126 are supplied standard with a full flow oil filter.
 Use on: 5H40, 46, 60, 66, 80, 86 compressor models

Part Number	Description
5H40-A274	Oil Filter Package
05HG660020	

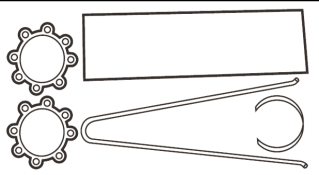
Capacity Control Valve Package



For use on 5F20, 30 compressors.

Compressor Model	Part Number	Refrigerant Usage
5F20, 30	5F20-752	R-12
5F20, 30	5F20-A752	R-22, R-502

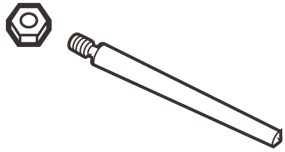
Felt Filter Kit



Felt Filters are installed in the compressor's suction strainer as a temporary clean up medium.
NOTE: Filter Kit is included with service compressors.

Compressor Model	Part Number	Filter Only	Filters Required Per Comp
5F40, 46	5F40-A352	5F40-3792	1
5F60, 66	5F60-A352	5F60-3792	2
5H40, 46	5H40-A382	5H40-4032	1
5H60, 66	5H60-A382	5H60-4032	2
5H80, 86	5H80-A382	5H80-4032	1
5H120, 126	5H120-A382	5H120-4552	2

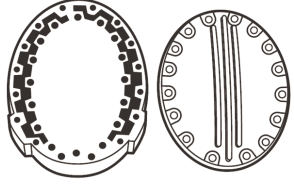
Dowel Pin



Tapered dowel pin (no. 6 x 2-3/4" long) is used to maintain alignment and to ensure exact compressor/ motor repositioning after service. Two Pins are required for both motor and compressor. (Pins for motor are included in motor fastening package.)

Part Number	Description
AX35AA238	Tapered Dowel Pin 6 x 2-3/4" Long

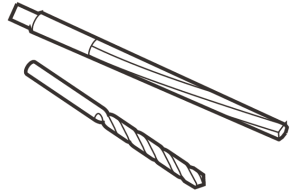
Water-Cooled Head Package 5H Compressors



Water Cooled Heads are required for compressors used on low temp R-22 applications. The water cooled head packages listed contain the necessary heads, covers, gaskets, and fittings to convert standard 5F/H compressors to water cooled heads.

Compressor Model	Part Number
5H40, 46	5H40-507
5H60, 66	5H60-507
5H80, 86	5H80-507
5H120, 126	5H120-507
5F20	5F20-172
5F30	5F30-172
5F40	5F40-172
5F60	5F60-172

Drill & Reamer Kit



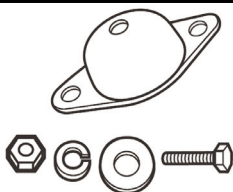
Drill and reamer kit includes a 9/32 in. drill bit and a no.6 taper reamer to facilitate installation of the no.6 tapered dowel pin.

Part Number	Description
5H40680004	Drill & Reamer Kit

CARLYLE OPEN DRIVE COMPRESSORS

Other Compressor Accessories

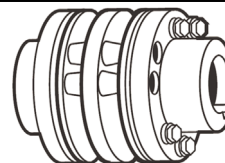
Vibration Isolators



VIBRATION ISOLATORS limit the transfer of vibration. They are attached underneath the surface to which the compressor is mounted. Four isolators are supplied in each package. One for each corner of the unit. Associated hardware is also included. Select proper size isolator by dividing total unit weight by 4.

Part Number	Isolator Loading Lbs/Isolator
5F20-623	90 to 150
5F30-623	150 to 210
5F60-633	210 to 290
5F60-663	290 to 390
5H40-653	350 to 450
5H60-673	450 to 650
5H80-673	650 to 950
5H120-467	950 to 1250
5H120-527	1250 to 1550

Flexible Steel Couplings For Direct Drive Units



When 5H126-623 coupling is used with a 404T or 405T frame motor, field boring is required. Enlarge motor bore to 2.875/2.8755 in. diameter. Increase Keyway size to 3/4 x 3/8 in. **Note:** A Dial Indicator must be used to properly align the compressor and motor shafts for reliable operation.

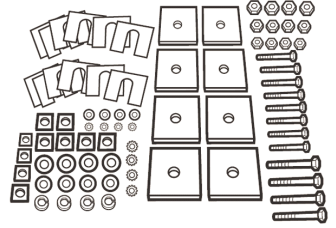
Compressor Model	Part Number	H P	Frame Size	Shaft dia (in)	Maximum Coupling Hp Rating	WT (lbs)
5F20, 30	5F20-847	7-1/2,10	213T, 215T	1.375	11.5	10
5F20, 30	5F30-847	15	254T	1.625	17.5	10
5F40, 60	5F40-603	7-1/2,10	213T, 215T	1.375	17.5	15
5F40, 60	5F40-623	15	254T	1.625	17.5	15
5F40, 60	5F60-623	20	256T	1.625	30	21
5F40, 60	5F60-613	25,30	284T, 286T	1.875	34.5	21
5H40, 46	5H40-613	20	256T	1.625	34.5	21
5H40, 46	5H60-613	25,30	284T, 286T	1.875	65	24
5H40, 46	5H60-623	40,50	324T, 326T	2.125	65	24
5H40, 46	5H80-613	60	364T	2.375	86	30
5H60, 66	5H80-663	75	365TS	1.875	86	30
5H60, 66	5H120-623	100	404TS	2.125	150	35
5H120, 126	5H126-623 *	150,200	444TS, 445TS	2.375	200	40

Compressor Model	Part Number	H P	Frame Size	Shaft dia (in)	Maximum Coupling Hp Rating	WT (lbs)
5H80, 86	5H120-623	100	404TS, 405TS	2.125	150	35
5H120, 126	5H120-623	100, 125	404TS, 405TS	2.125	150	150
5H120, 126	5H126-623 *	100, 125	404T, 405T	2.875	200	40
5H40, 46	5H60-613	40,50, 60	324TS, 326TS, 364TS	1.875	65	24
5H60, 66	5H60-613	30	286T	1.875	65	24
5H60, 66	5H60-613	40,50, 60	324TS, 326TS, 364TS	1.875	65	24
5H80, 86	5H60-613	40,50, 60	324TS, 326TS, 364TS	1.875	65	24
5H120, 126	5H60-613	60	364TS	1.875	65	24
5H60, 66	5H60-623	40,50	324T, 326T	2.125	65	24
5H80, 86	5H60-623	40,50	324T, 326T	2.125	65	24
5H60, 66	5H80-613	60,75	364T, 365T	2.375	86	30
5H80, 86	5H80-613	60,75	364T, 365T	2.375	86	30
5H120, 126	5H80-613	60,75	364T, 365T	2.375	86	30
5H80, 86	5H80-663	75	365TS	1.875	86	30
5H120, 126	5H80-663	75	365TS	1.875	86	30

CARLYLE OPEN DRIVE COMPRESSORS

Other Compressor Accessories

Motor Fastening Kits For Direct Drive Applications



Motor Fastening Kit includes steel blocks and shims to align motor shaft to compressor shaft, hardware to attach motor to base and tapered dowel pins to pin motor to base and lock in alignment. Not enough memory to convert the items on the clipboard.

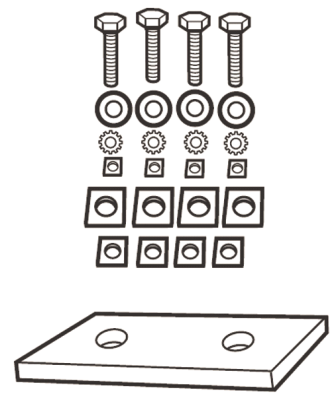
Note: Motor Fastening kit approximate shipping weight is 42 lbs.

Model Number	Part Number	Shaft Ht (In)	H P	Frame Size	Shaft Ht (In)
5F20, 30	5F40-401	6-1/4	7-1/2,10	213T, 215T	5-1/4
5F20, 30	5F40-801	6-1/4	7-1/2,10	213T, 215T	6-1/4
5H40, 46	5H40-401	9	25,30	284T, 286T	8
5H40, 46	5F60-401	9	60,75	364, 365 T/TS	7

Compressor Model	Part Number	Shaft Ht (In)	H P	Frame Size	Shaft dia (in)
5F40, 60	5F40-401	8	15,20	254T, 56T	7
5F40, 60	5F40-401	8	25,30	284T, 286T	6-1/4
5H40, 46	5F40-401	9	40,50	324, 326 T/T	9
5H60, 66	5F40-401	9	40,50	324, 326 T/TS	9
5H80, 86	5F40-401	9	40,50	324, 326 T/TS	9
5H120, 126	5F40-401	11	100,125	404, 405 T/TS	11
5F20, 30	5F40-801	6-1/4	15	254T	5-1/4
5F40, 60	5F40-801	8	7-1/2,10	213T, 215T	6-1/4
5H40, 46	5F40-801	9	20	256T	7
5H60, 66	5H40-401	9	30	286T	8
5H120, 126	5H40-401	11	60,75	364, 365 T/TS	10
5H60, 66	5F60-401	9	60,75	364, 365 T/TS	10
5H60, 66	5F60-401	9	100	404 T/TS	8
5H80, 86	5F60-401	9	60,75	364, 365 T/TS	10
5H80, 86	5F60-401	9	100,125	404, 405 T/TS	9
5H120, 126	5F60-401	11	150,200	444, 445 TS	

Note: Motor Fastening kit approximate shipping weight is 42 lbs.

Motor Fastening Kit For Belt Drive Applications



Motor Fastening Kit attaches motor to base. Kit includes: bolts, nuts and washers.

Compressor Mounting Block is used when a 5H66,80,86 is matched to a 100 Hp motor, or when a 5H86 is matched to a 125 Hp motor. The block raises compressor to allow alignment between compressor and motor shaft. Two blocks are required per compressor.

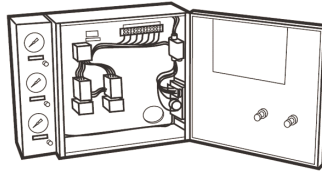
Compressor Model	Part Number	Size	Frame Size
5F20, 30	5F20-821	5, 7-1/2, 10	184T, 213T, 215T
5F30	5F30-821	15	254T
5H60	5H40-711	40,50,60,75	324T, 326T,364T, 365T

Compressor Model	Part Number	Size	Frame Size
5F40, 60	5F20-821	7-1/2, 10,15, 20, 25	213T, 215T,254T, 256T, 284T
5H40	5F30-821	20, 25, 30, 40,50	256T, 284T, 286T, 324T, 326T
5H60	5F30-821	40,50	324T, 326T
5H80, 120	5H40-711	40, 50, 60, 75, 100, 125, 150	324T, 326T, 364T, 365T,404T, 405T, 444T

CARLYLE OPEN DRIVE COMPRESSORS

Control Panels

Compressor to Drive Motor Combinations



Control panels are designed for indoor use to control compressor and condensing units from 5 thru 150 Hp, in 208 to 575 volts, across-the-line starting applications. All units operate on 120 volt control circuit. Control panel easily mounts on one end of the unit base. Simple conversion to part-winding starting on 2 contactor models by adding time delay Part No. HN67ZA001. Single contactor panels require the addition of another contactor of the same size and time delay.

Single overload panels: overload dial is set at a value equal to NEC motor full load current rating and will trip at 125% of this rating. If tripping is required at 115% of NEC motor full load current rating, set the overload dial to value 0.92 times F.L.C. value. Two overload panels: Each overload dial is set at a value equal to one half of NEC motor full load current rating and will trip at 125% of the setpoint. If tripping is required at 115% of NEC motor full load current rating, set each overload dial to value of 0.92 times one half of F.L.C. value.

Features:

ETL Approved

Oil Pressure Safety Switch protects compressor against damage from low oil pressure.

Time Guard circuit protects compressor and motor against short cycling.

Overload Relay* manual reset.

Suction, Discharge, Oil Pressure Gauges display operating conditions.

Gauge Shutoff Valves Capillaries supplied for pressure gauges and switches.

Contactors- Terminal Blocks for field connections

From the National Electrical Code based on motor horsepower and voltage.

†AC3 rating is an IEC (International Electrical Code) rating per U.L. standards.

The contactors supplied with the panels are not definite purpose contactors. They are specific to motor switching circuits.

Note: The information presented in the table on the previous page is for the current control panels offered through RCD.

Grounding Lug

Crankcase Heater Relay energizes heater on compressor shutdown to prevent dilution of oil by refrigerant.

Pumpout Relay safeguards compressor against liquid refrigerant slugging on start-up.

Elapsed Running Time Meter

Wire Assemblies provided in conduit are used to connect panel box and external controls to a junction box (provided).

Fuse, On-Off Switch, Nema Enclosure, Hinged Cover

Heavy Duty Panel Mounting Base is provided. Can be welded to compressor base or attached with supplied hardware.

5F Compressor/Motor Combinations

Motor selection is based on compressor rating charts.

Compressor Model	Motor H.P. Rating
5F20	5,7.5,10
5F30	7.5,10,15
5F40	7.5,10,15, 20, 25
5F60	10,15, 20, 25, 30

Note: Extended stroke compressors (5H46, 66, 86,126) should not be applied on belt drive applications.

5H Compressor/Motor Combinations

Compressor Model	Motor H.P. Rating
5H40	20, 25, 30, 40, 50
5H46*	25, 30, 35, 40, 50, 60
5H60	30, 40, 50, 60, 75
5H66*	40, 50, 60, 75, 100
5H80	40, 50, 60, 75, 100
5H86*	50, 60, 75, 100, 125
5H120*	60, 75, 100, 125, 150
5H126*	75, 100, 125, 150, 200

CARLYLE OPEN DRIVE COMPRESSORS

Control Panels

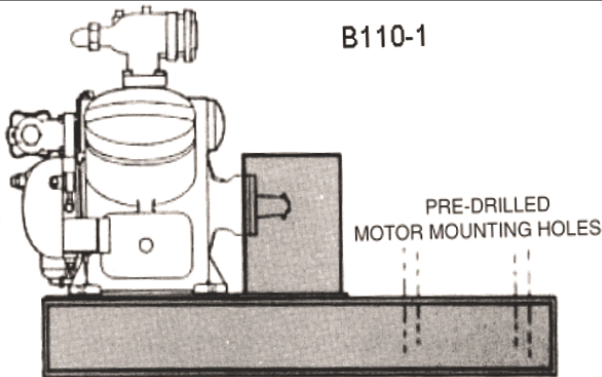
Part Number	HP	Motor		Contactor		Overload		LUG Wire Range (AWG)	Approx Ship WT (lbs)
		NEC Amps (FLA)*	Volts	Rating (AC3)†	Qty	Amp Range	Qty		
32CF131A4	5	17.5	208	28	1	13-19	1	12-8	115
32CF131A5	5	15.2	230	17	1	13-19	1	18-10	115
32CF131A6	5	7.6	460	9	1	6-8.5	1	18-10	115
32CF131A1	5	6.1	575	9	1	4.5-6.5	1	18-10	115
32CF132B4	7.5	25	208	28	1	24-32	1	12-8	115
32CF132B5	7.5	22	230	28	1	18-25	1	12-8	115
32CF131B6	7.5	11	460	11	1	14-Oct	1	18-10	115
32CF131B1	7.5	9	575	9	1	7.5-11	1	18-10	115
32CF142C4	10	32	208	32	1	29-42	1	8-4	115
32CF142C5	10	28	230	32	1	24-32	1	8-4	115
32CF131C6	10	14	460	17	1	13-19	1	18-10	115
32CF131C1	10	11	575	11	1	14-Oct	1	18-10	115
32CF153D4	15	48	208	54	1	36-52	1	8-1	115
32CF153D5	15	42	230	41	1	36-52	1	8-1	115
32CF132D6	15	21	460	28	1	18-25	1	12-8	115
32CF131D1	15	17	575	17	1	13-19	1	18-10	115
32CF242E4	20	62	208	65	1	45-63	1	8-1	115
32CF242E5	20	54	230	54	1	45-63	1	8-1	115
32CF142E6	20	27	460	32	1	24-32	1	8-4	115
32CF142E1	20	22	575	28	1	18-25	1	12-8	115
32CF243F4	25	78	208	80	1	60-80	1	8-1	130
32CF242F5	25	68	230	80	1	60-80	1	8-1	130
32CF152F6	25	34	460	41	1	29-42	1	8-4	115
32CF152F1	25	27	575	28	1	24-32	1	12-8	115
32CF253G4	30	92	208	95	1	80-110	1	6-2/0	130
32CF243G5	30	80	230	80	1	60-80	1	8-1	130
32CF231G6	30	40	460	41	1	29-42	1	8-4	115
32CF141G1	30	32	575	32	1	29-42	1	8-4	115
32CF263H4	40	120	208	130	1	100-135	1	8-3/0	130
32CF263H5	40	104	230	110	1	80-110	1	6-2/0	130
32CF242H6	40	52	460	54	1	45-63	1	8-1	115
32CF241H1	40	41	575	41	1	29-42	1	8-4	115
32CG273J4	50	150	208	156	1	130-175	1	8-250MCM	130
32CG273J5	50	130	230	130	1	100-135	1	8-3/0	130
32CF242J6	50	65	460	65	1	60-80	1	8-1	130
32CF242J1	50	52	575	54	1	45-63	1	8-1	115
32CH295K4	60	177	208	192	1	150-200	1	6-250MCM	130
32CH295K5	60	154	230	156	1	130-175	1	8-250MCM	130
32CF253K6	60	77	460	80	1	60-80	1	8-1	130
32CF252K1	60	62	575	65	1	60-80	1	8-1	130
32CH205L4	75	221	208	242	1	220-310	1	4-500MCM	130
32CH205L5	75	192	230	192	1	150-200	1	6-250MCM	130
32CF263L6	75	96	460	11	1	80-110	1	6-2/0	130
32CF263L1	75	77	575	95	1	80-110	1	6-2/0	130
32CI216M4	100	285	208	156	2	110-150	2	6-350MCM	130
32CI216M5	100	248	230	130	2	100-135	2	6-350MCM	130
32CH274M6	100	124	460	130	1	100-135	1	8-3/0	130
32CF273M1	100	99	575	110	1	80-110	1	6-2/0	130
32CI227N4	125	358	208	192	2	150-200	2	6-350MCM	130
32CI227N5	125	312	230	156	2	130-175	2	6-350MCM	130
32CI205N6	125	156	460	156	1	130-175	1	8-250MCM	130

CARLYLE OPEN DRIVE COMPRESSORS

Control Panels

Part Number	HP	Motor		Contactor		Overload		LUG Wire Range (AWG)	Approx Ship WT (lbs)
		NEC Amps (FLA)*	Volts	Rating (AC3)†	Qty	Amp Range	Qty		
32CI225N1	125	125	575	130	1	100-135	1	8-3/0	130
32CJ217P4	150	415	208	242	2	165-235	2	2-600MCM	130
32CJ227P5	150	360	230	192	2	150-200	2	6-350MCM	130
32CJ205P6	150	180	460	192	1	150-200	1	6-250MCM	130
32CJ284P1	150	144	575	156	1	110-150	1	8-250MCM	130
32CJ218Q4	200	550	208	302	2	220-310	2	2-600MCM	130
32CJ218Q5	200	480	230	242	2	220-310	2	2-600MCM	130
32CJ216Q6	200	240	460	242	1	220-310	1	4-500MCM	130
32CJ205Q1	200	192	575	192	1	150-200	1	6-250MCM	130

Direct Drive Unit Bases



Features:

- Heavy duty channel steel base
- Coupling guard included
- Motor and compressor mounting holes are predrilled.

Select motor drilling code from the chart below:
Motor Drilling Code Chart

CODE	H. P.	FRAME
A	5	184T
B	7.5	213T
C	10	215T
D	15	254T
E	20	256T

CODE	H. P.	FRAME
F	25	284T
G	30	286T
H	40	324T
J	50	326T
K	60	364T

CODE	H. P.	FRAME
L	75	365T
M	100	404T
N	125	405T
O	150	444TS
P	200	445TS

COMPRESSOR USED WITH	MOTOR DRILLING SELECTION	BASE SIZE (L x W x H)	APPROX BASE WEIGHT	DIRECT DRIVE UNIT BASE PART NO
5F20	A, B, C	37 x 16 x 11	200	5F20-515(*)
5F30	B, C, D	37 x 16 x 11	200	5F20-515(*)
5F40	B, C, D, E, F	48 x 22 x 6	250	5F40-398(*)
5F60	C, D, E, F, G	48 x 22 x 6	250	5F40-398(*)
5H40	E, F, G, H, J	56 x 25 x 8	400	5H40-588(*)
5H46	F, G, H, J, K	56 x 25 x 8	400	5H40-588(*)
5H60	G, H, J, K, L	56 x 25 x 8	400	5H40-588(*)
5H66	H, J, K, L, M†	56 x 25 x 8	400	5H40-588(*)
5H80	H, J, K, L, M	75 x 32 x 10	800	5H80-588(*)
5H86	J, K, Mt, Nt	75 x 32 x 10	800	5H80-588(*)
5H120	K, L, M, N, O	75 x 32 x 10	800	5H80-588(*)
5H126	L, M, N, O, P	75 x 32 x 10	800	5H80-588(*)

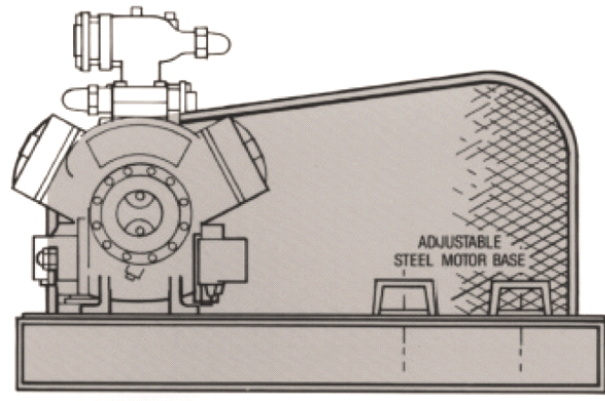
(*)Select motor drilling from chart above to complete part number. For example, when 5F20-515A is selected the base will be drilled to accept a 5 H.P., 184T frame motor. †5H66, 80, 86 with 100 H.P. motor and 5H86 with 125 H.P. motor require (2) 5H40-1422 compressor blocks.

Note: For base drilling code selections "H" thru "N", an "S" placed at the end of the part number indicates a base drilling for a short shaft Motor/TS frame.

(For example, Part No. 5H40-588HS is a 5H40-588 base drilled to accept a 324TS frame motor.)

CARLYLE OPEN DRIVE COMPRESSORS

Belt Drive Unit Bases


Features:

- Heavy duty channeled steel base
- Belt guard included.
- Compressor mounting holes are predrilled.
- An adjustable steel motor base facilitates motor positioning.

B111-1

Select adjustable motor base from the chart below:

Adjustable Motor Base Code Chart

CODE	H. P.	FRAME
A	5	184T
B	7.5	213T
C	10	215T
D	15	254T
E	20	256T

CODE	H. P.	FRAME
F	25	284T
G	30	286T
H	40	324T
J	50	326T
K	60	364T

CODE	H. P.	FRAME
L	75	365T
M	100	404T
N	125	405T

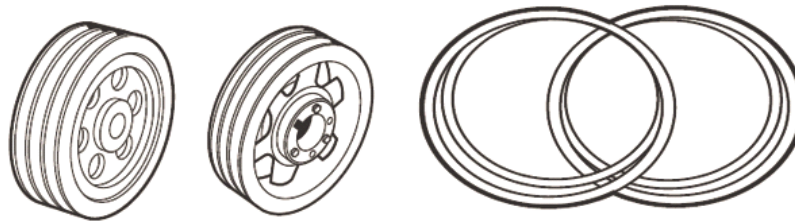
COMPRESSOR USED WITH	ADJUSTABLE MOTOR BASE	BASE SIZE (L x W x H)	APPROX BASE WEIGHT	BELT DRIVE UNIT BASE PART NO
5F20	A, B, C	37 x 16 x 11	150	5F20-238(*)
5F30	B, C, D	37 x 16 x 11	150	5F20-238(*)
5F40	B, C, D, E, F	48 x 22 x 6	250	5F40-408(*)
5F60	C, D, E, F, G	48 x 22 x 6	250	5F40-408(*)
5H40	E, F, G, H, J	56 x 25 x 8	440	5H40-598(*)
5H60	G, H, J, K, L	56 x 25 x 8	440	5H40-598(*)
5H80	H, J, K, L, M	75 x 32 x 10	625	5H60-974(*)
5H120	K, L, M, N	75 x 32 x 10	625	5H60-974(*)

(*)Select adjustable base code from chart above to complete part number.

For example, when 5F20-238A is selected the adjustable motor base will accept a 5 H.P., 184T frame motor.

CARLYLE OPEN DRIVE COMPRESSORS

Flywheel, Pulley, Belts



COMPRESSOR MODEL	H. P.	MOTOR				FLYWHEEL			PULLEY			BELTS		
		FRAME SIZE	SHAFT DIA. (in.)	COMPRESSOR RPM	CENTER TO CENTER (in.)	P/N	PD	NO. OF GROOVES & TYPE	P/N	PD	NO. OF GROOVES & TYPE	P/N	PL	NO. OF BELTS
5F20	5	184T	01-01-2008	1750	19.3	5F20-394	7.5	2-B	5F20-861	7.4	2-B	5F20-851	61.8	2-B
5F20	7.5	213T	01-03-2008	1750	19.3	5F20-394	7.5	2-B	5F20-891	7.4	2-B	5F20-851	61.8	2-B
5F20	10	215T	01-03-2008	1750	19.3	5F20-394	7.5	2-B	5F20-891	7.4	2-B	5F20-851	61.8	2-B
5F30	7.5	213T	01-01-2008	1750	19.3	5F20-394	7.5	2-B	5F20-891	7.4	2-B	5F20-851	61.8	2-B
5F30	10	215T	01-03-2008	1750	19.3	5F20-394	7.5	2-B	5F20-891	7.4	2-B	5F20-851	61.8	2-B
5F30	15	254T	01-05-2008	1750	19.3	5F30-394	7.5	3-B	5F30-921	7.4	3-B	5F30-831	61.8	3-B
5F40	7.5	213T	01-05-2008	1750	26.6	5F40-394	9.5	3-B	5F30-881	9.4	3-B	5F40-841	82.8	3-B
5F40	10	215T	01-03-2008	1750	26.6	5F40-394	9.5	3-B	5F30-881	9.4	3-B	5F40-841	82.8	3-B
5F40	15	254T	01-05-2008	1750	26.6	5F40-394	9.5	3-B	5F40-871	9.4	3-B	5F40-841	82.8	3-B
5F40	20	256T	01-05-2008	1750	26.6	5F40-394	9.5	3-B	5F40-871	9.4	3-B	5F40-841	82.8	3-B
5F40	25	284T	01-07-2008	1750	26.6	5F40-394	9.5	3-B	5F40-881	9.4	3-B	5F40-841	82.8	3-B
5F60	10	215T	01-03-2008	1750	26.6	5F40-394	9.5	3-B	5F30-881	9.4	3-B	5F40-841	82.8	3-B
5F60	15	254T	01-05-2008	1750	26.6	5F40-394	9.5	3-B	5F40-871	9.4	3-B	5F40-841	82.8	3-B
5F60	20	256T	01-05-2008	1750	26.6	5F40-394	9.5	3-B	5F40-871	9.4	3-B	5F40-841	82.8	3-B
5F60	25	284T	01-07-2008	1750	26.6	5F40-394	9.5	3-B	5F40-881	9.4	3-B	5F40-841	82.8	3-B
5F60	30	286T	01-07-2008	1750	26.6	5F40-394	9.5	3-B	5F40-881	9.4	3-B	5F40-841	82.8	3-B
5H40	20	256T	01-05-2008	1750	32.2	5H40-394	11	3-C	5H40-811	11	3-C	5H40-861	92.9	3-C
5H40	25	284T	01-07-2008	1750	32.2	5H40-394	11	3-C	5H80-811	11	3-C	5H40-861	98.9	3-C
5H40	30	286T	01-07-2008	1750	32.2	5H40-394	11	3-C	5H80-811	11	3-C	5H40-861	98.9	3-C
5H40	40	324T	02-01-2008	1750	32.2	5H40-394	11	3-C	5H40-821	11	3-C	5H40-861	98.9	3-C
5H40	50	326T	02-01-2008	1750	32.2	5H40-394	11	3-C	5H40-821	11	3-C	5H40-861	98.9	3-C
5H60	30	286T	01-07-2008	1750	32.2	5H40-394	11	3-C	5H80-811	11	3-C	5H40-861	98.9	3-C
5H60	40	324T	02-01-2008	1750	32.2	5H40-394	11	3-C	5H40-821	11	3-C	5H40-861	98.9	3-C
5H60	50	326T	02-01-2008	1750	32.2	5H60-394	11	5-C	5H80-821	11	5-C	5H120-861	98.9	5-C
5H60	60	364T	02-03-2008	1750	32.2	5H60-394	11	5-C	5H120-821	11	5-C	5H120-861	98.9	5-C
5H60	75	365T	02-03-2008	1750	32.2	5H40-394	11	5-C	5H120-821	11	5-C	5H120-861	98.9	5-C
5H80	40	324T	02-01-2008	1750	36.7	5H60-394	11	5-C	5H80-821	11	5-C	5H40-871	107.9	5-C
5H80	50	326T	02-01-2008	1750	36.7	5H60-394	11	5-C	5H80-821	11	5-C	5H40-871	107.9	5-C
5H80	60	364T	02-03-2008	1750	36.7	5H60-394	11	5-C	5H120-821	11	5-C	5H40-871	107.9	5-C
5H80	75	365T	02-03-2008	1750	36.7	5H60-394	11	5-C	5H120-821	11	5-C	5H40-871	107.9	5-C
5H80	100	404T	02-07-2008	1750	36.7	5H120-394	11	9-C	5H120-831	11	9-C	5H120-871	107.9	9-C
5H120	60	364T	02-03-2008	1750	36.7	5H60-394	11	5-C	5H120-821	11	5-C	5H40-871	107.9	5-C
5H120	75	365T	02-03-2008	1750	36.7	5H60-394	11	5-C	5H120-821	11	5-C	5H40-871	107.9	5-C
5H120	100	404T	02-07-2008	1750	36.7	5H120-394	11	9-C	5H120-831	11	9-C	5H120-871	107.9	9-C
5H120	125	405T	02-07-2008	1750	36.7	5H120-394	11	9-C	5H120-831	11	9-C	5H120-871	107.9	9-C

PD - Pitch Diameter (in.)
 PL - Pitch Length (in.)

Semi - Hermetic Compressor, Coolers & Condensers

CARLYLE OPEN DRIVE COMPRESSORS

Flywheel, Pulley, Belts

Flywheel

Part Number	PD	No. Of Grooves & Type	Used With
5F20-394	7.5	2-B	5F20
5F30-394	7.5	3-B	5F30
5F40-394	9.5	3-B	5F40
5H40-394	11	3-C	5H40
5H60-394	11	5-C	5H60
5H120-394	11	9-C	5H120

Pulley

Part Number	PD	No. Of Grooves & Type	Used With
5F20-861	7.4	2-B	5F20
5F20-891	7.4	2-B	5F20
5F30-921	7.4	3-B	5F30
5F30-881	9.4	3-B	5F40
5F40-871	9.4	3-B	5F40
5F40-881	9.4	3-B	5F60
5H40-811	11	3-C	5H40
5H80-811	11	3-C	5H60
5H40-821	11	3-C	5H60
5H80-821	11	5-C	5H60
5H120-821	11	5-C	5H80
5H120-831	11	9-C	5H80

Belts

Part Number	PD	No. Of Grooves & Type	Used With
5F20-851	61.8	2-B	5F20
5F30-831	61.8	3-B	5F30
5F40-841	82.8	3-B	5F40
5H40-861	92.9	3-C	5H40
5H120-861	98.9	5-C	5H60
5H40-871	107.9	5-C	5H80
5H120-871	107.9	9-C	5H80

COMPRESSOR CROSS-REFERENCE

BRAND	MODEL #	HP	NOTES	CARLYLE MODEL	BRAND	MODEL #	HP	NOTES	CARLYLE MODEL
Bristol	H2NG 124	-	Hermetic	06DM824	Copeland	3DF3-0900	9	R-12 Med. Temp.	06DM/DR337
Bristol	H2NG 144	-	Hermetic	06DX328	Copeland	3DF3-0900	9	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR337
Bristol	H2NG 184	-	Hermetic	06DX537	Copeland	3DS3-1000	10	R-12 Med. Temp.	06DM/DR337
Bristol	H2NG 244	-	Hermetic	06ET250	Copeland	3DS3-1000	10	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR337
Chrysler	2000-00	100	Open Drive	5H120	Copeland	3DS3-1500	15	R-502 Med. Temp.	06DM337
Chrysler	2020-00	20	Open Drive	5F 60	Copeland	3DS3-1500	15	R-22 A/C Duty	06DM337
Chrysler	2025-00	25	Open Drive	5F 60	Copeland	3RAI-0310	3	R-502 Med. Temp.	06DM313
Chrysler	2030-00	30	Open Drive	5H40	Copeland	3RAI-0310	3	R-22 A/C Duty	06DM313
Chrysler	2040-00	40	Open Drive	5H46	Copeland	3RK2-0310	3	R-12 Med. Temp.	06DR013
Chrysler	2050-00	50	Open Drive	5H60	Copeland	4DAI-1000	10	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06EY150
Chrysler	2060-00	60	Open Drive	5H66	Copeland	4DAI-1000	10	R-12 Med. Temp.	06EY/EZ150
Chrysler	2075-00	75	Open Drive	5H80	Copeland	4DAI-2000	20	R-502 Med. Temp.	06EZ150
Chrysler	3000-01	100	Semi-Hermetic	06LH228	Copeland	4DH1-2000	20	R-502 Med. Temp.	06EZ150
Chrysler	3004-01	4	Hermetic	06DM313	Copeland	4DH1-1500	15	R-12 Med. Temp.	06EY/EZ150
Chrysler	3005-01	5	Hermetic	06DM316	Copeland	4DH1-2500	25	R-22 A/C Duty	06ET250
Chrysler	3009-04	9	Hermetic	06DX328	Copeland	4DH1-2500	25	R-502 Med. Temp.	06ET265
Chrysler	3011-1	11	Hermetic	06DX328	Copeland	4DJ1-2000	20	R-12 Med. Temp.	06EY165
Chrysler	3013-01P	13	Hermetic	06DX328	Copeland	4DJ1-3000	30	R-22 A/C Duty	06ET265
Chrysler	3013-02	13	Hermetic	06DX328	Copeland	4DJ1-3000	30	R-502 Med. Temp.	06ET265
Chrysler	3015-1	15	Semi-Hermetic	06DX537	Copeland	4DL1-1500	15	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06EY150
Chrysler	3015-11	15	Semi-Hermetic	06DX537	Copeland	4DR1-3000	30	R-22 A/C Duty	06ET265
Chrysler	3019-OOR	19	Hermetic	06E()250	Copeland	4DT1-2200	22	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06EY165
Chrysler	3019-01A	19	Hermetic	06E()250	Copeland	4RA3-1000	10	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR337
Chrysler	3019-02	19	Hermetic	06E()250	Copeland	4RA3-1000	10	R-12 Med. Temp.	06DM337
Chrysler	3019-02R	19	Hermetic	06E()250	Copeland	4RA3-2000	20	R-22 A/C Duty	06ET250
Chrysler	3019-02Z	19	Hermetic	06E()250	Copeland	4RA3-2000	20	R-502 Med. Temp.	06EZ150
Chrysler	3025-00	25	Semi-Hermetic	06EZ175	Copeland	4RE2-2000	20	R-22	06D()337
Chrysler	3030-00	30	Semi-Hermetic	06ET275	Copeland	4RH1-1500	15	R-12 High Temp.	06EZ150
Chrysler	3030-02	30	Semi-Hermetic	06ET275	Copeland	4RH1-1500	15	R-12 Med. Temp.	06EY150
Chrysler	3040	40	Semi-Hermetic	06EX299	Copeland	4RH1-2500	25	R-22 A/C Duty	06ET250
Chrysler	3050	50	Semi-Hermetic	06LH214	Copeland	4RH1-2500	25	R-22 Med. Temp.	06EZ150
Chrysler	3060-01	60	Remove 1 Suction Ring 1st to Unload	06LH218	Copeland	4RH1-2500	25	R-502 Med. Temp.	06EZ150
Chrysler	3060-1	60	Remove 1 Suction Ring 1st to Unload	06LH218	Copeland	4RH2-2500	25	R-502 Med. Temp.	06EZ150
Chrysler	3075	75	Semi-Hermetic	06LH218	Copeland	4RJI-3000	30	R-22 A/C Duty	06ET265
Copeland	2DA3-0500	5	R-12 Med. Temp.	06DR 718	Copeland	4RJ2-3000	30	R-22 A/C Duty	06ET265
Copeland	2DA3-0600	6	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR 820	Copeland	4RK1-2500	25	R-22 A/C Duty	06ET250
Copeland	2DA3-0750	7.5	R-502 Med. Temp.	06DR 820	Copeland	4RK2-1500	15	R-12 Med. Temp.	06EZ150
Copeland	2DA3-0750	7.5	R-22 A/C Duty	06DM818	Copeland	4RK2-2500	25	R-22 A/C Duty	06ET250
Copeland	2DB3-0500	5	R-12 Med. Temp.	06DR 820	Copeland	4RL1-1500	15	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06EY150
Copeland	2DB3-0600	6	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR 820	Copeland	4RR1-3000	30	R-22 A/C Duty	06ET265
Copeland	2DC3-0500	5	R-502 Med. Temp.	06DM313	Copeland	4RR2-3000	30	R-22 A/C Duty	06ET265
Copeland	2DC3-0500	5	R-22 A/C Duty	06DM313	Copeland	6DH1-2000	20	R-12 Med. Temp.	06EY/EZ175
Copeland	2DD3-0500	5	R-502 Med. Temp.	06DM313	Copeland	6DH1-3500	35	R-22 A/C Duty	06ET275
Copeland	2DD3-0500	5	R-22 A/C Duty	06DM313	Copeland	6DH1-3500	35	R-502 Med. Temp.	06EZ199
Copeland	2DF3-0300	3	R-12 Med. Temp.	06DM/DR316	Copeland	6DJ1-4000	40	R-22 A/C Duty	06ET299
Copeland	2DF3-0300	3	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR 316	Copeland	6DJI-4000	40	R-502 Med. Temp.	06EZ199
Copeland	2DL3-0750	7.5	R-502 Med. Temp.	06DR 820	Copeland	6DLI-2700	27	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06EY175
Copeland	2DL3-0750	8	R-22 A/C Duty	06DM818	Copeland	6DT1-3000	30	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06EY099
Copeland	3DA3-0500	5	R-12 Med. Temp.	06DR 724	Copeland	6DRI-4000	40	R-22 A/C Duty	06ET299
Copeland	3DA3-0600	6	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR 724	Copeland	6DS1-4000	40	R-22 A/C Duty	06ET299
Copeland	3DA3-0750	7.5	R-502 Med. Temp.	06DR 724	Copeland	6RA4-2000	20	R-12 Med. Temp.	06EY165
Copeland	3DA3-0750	8	R-22 A/C Duty	06DM824	Copeland	6RA4-3000	30	R-502 Med. Temp.	06ET265
Copeland	3DB3-0750	7.5	R-12 Med. Temp.	06DR 228	Copeland	6RE2-3000	30	R-22 A/C Duty	06ET265
Copeland	3DB3-0750	7.5	R-502 Low Temp. Cylinder Head Cooling Fan Req.	06DR 228	Copeland	6RH1-2000	20	R-12 Med. Temp.	06EY175
Copeland	3DB3-1000	10	R-502 Med. Temp.	06DR 228	Copeland	6RH1-3500	35	R-502 Med. Temp.	06EZ175
Copeland	3DB3-1000	10	R-22 A/C Duty	06DX328	Copeland	6RH1-3500	35	R-12 High Temp.	06EZ175

Semi - Hermetic Compressor, Coolers & Condensers

COMPRESSOR CROSS-REFERENCE

BRAND	MODEL #	HP	NOTES	CARLYLE MODEL
Copeland	6RH1-350 0	35	R-502LowTemp.Cylinder Head Cooling Fan	06EY175
Copeland	6RH1-350 0	35	R-22A/CDuty	06ET275
Copeland	6RJ1-4 000	40	R-502Med.Temp.	06EZ175
Copeland	6RJ1-4 000	40	R-502Med.Temp.	06EZ199
Copeland	6RJ1-4 000	40	R-22A/CDuty	06ET299
Copeland	6RJ1-4 000	40	R-22Med.Temp.	06EZ199
Copeland	6RK2-3500	35	R-22A/CDuty	06ET275
Copeland	6RL1-2 500	25	R-502LowTemp.Cylinder Head Cooling Fan	06EY175
Copeland	6RN2-300 0	30	R-22A/CDuty	06ET265
Copeland	6RP2-3500	35	R-22A/CDuty	06ET275
Copeland	6RR2-400 0	40	R-22A/CDuty	06ET299
Copeland	6RS2-4000	40	R-22A/CDuty	06ET299
Copeland	6RT1-3000	30	R-502LowTemp.Cylinder Head Cooling Fan	06EY175
Copeland	9RAI-0500	5	R-12Med.Temp.	06DR820
Copeland	9RAI-0505	5	R-12Med.Temp.	06DR820
Copeland	9RAI-0760	7.5	R-12Med.Temp.	06DR820
Copeland	9RAI-0760	7.5	R-22Med.Temp.	06DR820
Copeland	9RBI-0500	5	-	06DR718
Copeland	9RBI-0760	7.5	R-502LowTemp.Cylinder Head Cooling Fan	06DR724
Copeland	9RBI-0760	7.5	R-12Med.Temp.	06DR228
Copeland	9RBI-0765	7.5	-	06DR228
Copeland	9RCI-076 0	7.5	R-12Med.Temp.	06DM724
Copeland	9RCI-101 0	10	R-502Med.Temp.	06DR724
Copeland	9RCI-101 0	10	R-22A/CDuty	06DX328
Copeland	9RCI-101 0	10	R-502Med.Temp.	06DR228
Copeland	9RCI-101 5	10	R-502Med.Temp.	06DR724
Copeland	9RCI-101 5	10	R-22A/CDuty	06DX328
Copeland	9RJ1-0 500	5	R-12Semi-Hermetic	06DR724
Copeland	9RN1-076 0	7.5	R-22A/CDuty	06DM818
Copeland	9RP2-0760	7.5	R-12Med.Temp.	06DM724
Copeland	9RP2-1010	10	R-22A/CDuty	06DX328
Copeland	9RS1-1500	15	R-22A/CDuty	06DX537
Copeland	9RS1-1500	15	R-502Med.Temp.	06DR228
Copeland	9RS2-0760	7.5	R-12Med.Temp.,R-502LowTemp.	06DR337
Copeland	9RS3-0760	7.5	R-12Med.Temp.	06DR228
Copeland	9RS3-0760	7.5	R-502LowTemp.Cylinder Head Cooling Fan	06DR228
Copeland	9RS3-1010	10	R-12Med.Temp.	06DM337
Copeland	9RS3-1010	10	R-502LowTemp.Cylinder Head Cooling Fan	06DR228
Copeland	9RT1-1500	15	R-22A/CDuty	06DX537
Copeland	9RT1-1505	15	R-22A/CDuty	06DX537
Copeland	EAD1-02 00	2	R-502LowTemp.Cylinder Head Cooling Fan	06DR109
Copeland	EAL 2-0200	2	R-12Med.Temp.	06DR109
Copeland	EAV1-0200	2	R-12Med.Temp.	06DR109
Copeland	EAV1-0200	2	R-502LowTemp.Cylinder Head Cooling Fan	06DR109
Copeland	ERC1-0 200	2	R-502Med.Temp.	06DM808
Copeland	ERC1-0 200	2	R-22Med.Temp.	06DM808
Copeland	ERC2-02 00	2	R-502Med.Temp.	06DM808
Copeland	ERF1-031 0	3	R-502Med.Temp.	06DM808
Copeland	ERF1-031 0	3	R-22Med.Temp.	06DM808
Copeland	ERF1-031 0	3	R-22A/CDuty	06DM808
Copeland	ERJ2-0200	2	R-12Med.Temp.	06DR109
Copeland	ERJ2-0200	2	R-502Med.Temp.	06DR109
Copeland	LAC1-0310	3	R-12Med.Temp.	06DR013
Copeland	LAC1-0310	3	R-502LowTemp.Cylinder Head Cooling Fan	06DR013
Copeland	LAH1-0310	3	R-12Med.Temp.	06DR013
Copeland	LAH1-0310	3	R-502LowTemp.Cylinder Head Cooling Fan	06DR109
Copeland	LAL1-0310	3	R-12Med.Temp.	06DR013
Copeland	MRA2-0500	5	R-502LowTemp.Cylinder Head Cooling Fan	06DR316
Copeland	MRA2-0500	5	R-12Med.Temp.	06DM316
Copeland	MRA2-0500	5	R-12Med.Temp.	06DR316
Copeland	MRBI-0500	5	R-12Med.Temp.	06DR718
Copeland	MRF2-0 500	5	R-12HighTemp.	06DM316

BRAND	MODEL#	HP	NOTES	CARLYLE MODEL
Copeland	MRF2-050 0	5	R-12Med.Temp.	06DR316
Copeland	MRH2-0760	7.5	R-22A/CDuty	06DM818
Copeland	MRH4-0 760	7.5	R-502Med.Temp.	06DR718
Copeland	MRH4-0760	7.5	R-22Med.Temp.	06DR718
Copeland	MRH4-0 760	8	R-22A/CDuty	06DM818
Copeland	NRA2-0500	5	R-22A/CDuty	06DM313
Copeland	NRB2-0310	3	R-12Med.Temp.	06DR109
Copeland	NRB2-0400	4	R-22A/CDuty	06DM313
Copeland	NRB2-0400	4	R-22Med.Temp.	06DM313
Copeland	NRDI-031 0	3	R-12Med.Temp.	06DR013
Copeland	NRDI-031 0	3	R-502LowTemp.Cylinder Head Cooling Fan Req.	06DR013
Copeland	NRMI-0 500	5	R-12Med.Temp.	06DM316
Copeland	NRMI-0 500	5	R-502Med.Temp.	06DM316
Dunham-Bush	100 PH F	10	R-502Med.Temp.	06DM824
Dunham-Bush	100 PH F	10	-	06DX824
Dunham-Bush	105DLN	-	Open Drive	5F60
Dunham-Bush	205DLFN	-	Open Drive	5F60
Dunham-Bush	111 PH F/CF	10	R-22A/CDuty	06DX328
Dunham-Bush	1015BHF6V5HBJ6	-	-	06LH214
Dunham-Bush	1210BHF6L5HBJO	-	-	06LH218
Dunham-Bush	150 PH F	15	-	06DX537
Dunham-Bush	151 PH F	15	-	06DX537
Dunham-Bush	151 PHFCF-BG	15	-	06DM537
Dunham-Bush	151PHF/CF	15	-	06DX537
Dunham-Bush	151UPHF/CF	15	-	06DX537
Dunham-Bush	154PHC/ELF	15	-	06DX537
Dunham-Bush	15 C/ELF	-	-	06DR109
Dunham-Bush	200 PH F	20	-	06DX537
Dunham-Bush	200 UPHF	20	-	06ET250
Dunham-Bush	201PHF/CF	17.5	R-22A/CDuty	06ET250
Dunham-Bush	204 PH F	20	R-502Med.Temp.	06EZ150
Dunham-Bush	204 PH F	20	-	06ET250
Dunham-Bush	204PHF/CF	20	R-22A/CDuty	06ET250
Dunham-Bush	204PHF-CF-BZ	20	-	06ET250
Dunham-Bush	204PHF/BZ	20	-	06EX150
Dunham-Bush	20 C/ELF	-	-	06DR109
Dunham-Bush	20H/CF/LF	-	-	06DM808
Dunham-Bush	20L	2	R-12LowTemp.Semi-Hermetic	06DR109
Dunham-Bush	20L F	2	R-502LowTemp.	06DR109
Dunham-Bush	255H NF	25	-	06ET250
Dunham-Bush	257LFN	25	R-502LowTemp.	06EY175
Dunham-Bush	306 HF	30	R-22A/CDuty	06EX265
Dunham-Bush	307 CFN	30	R-22Med.Temp.	06ET275
Dunham-Bush	308LFN	30	-	06ET275
Dunham-Bush	308DLFN	30	R-502LowTemp.Open Drive	5H40
Dunham-Bush	30 C/ELF	3	-	06DR013
Dunham-Bush	30 EL F	3	R-502LowTemp.	06DR316
Dunham-Bush	30HF	3	R-22A/CDuty, R-502Med.Temp.	06DM808
Dunham-Bush	30L F	3	R-502LowTemp.	06DR013
Dunham-Bush	32 C	3	R-12Med.Temp.	06DR013
Dunham-Bush	32 EL F	3	R-502Med.Temp.	06DM313
Dunham-Bush	32 EL F	3	R-502LowTemp.	06DR316
Dunham-Bush	357 HF	35	R-22A/CDuty	06EX275
Dunham-Bush	408 HF	40	R-22A/CDuty	06ET299
Dunham-Bush	50C	5	R-12Med.Temp.	06DR824
Dunham-Bush	50 DC/ELF	5	R-12Med.Temp.,R-502LowTemp.	06DR718
Dunham-Bush	50H	5	R-12HighTemp.	06DM818
Dunham-Bush	50L F	5	R-502LowTemp.	06DR316
Dunham-Bush	509HEN	50	-	06EX299
Dunham-Bush	509 HF	50	Semi-Hermetic	06EX299
Dunham-Bush	511DCLF	50	-	5H46
Dunham-Bush	511H F	50	-	06LH214

COMPRESSOR CROSS-REFERENCE

Semi - Hermetic Compressor, Coolers & Condensers

BRAND	MODEL #	HP	NOTES	CARLYLE MODEL
Dunham-Bush	75CF	7.5	-	06DM818
Dunham-Bush	75DPC/ELF	7.5	R-12 Med. Temp., R-502 Low Temp.	5F40
Dunham-Bush	75DPL	7.5	R-12 Low Temp.	5F40
Dunham-Bush	75HF	7.5	-	06DM818
Dunham-Bush	76PHC/LF	7.5	R-502	06DR228
Dunham-Bush	76PHC/LF	7.5	R-12	06DR724
Dunham-Bush	A5HHC	-	Semi-Hermetic	06ET275
Dunham-Bush	B3HHC	-	Semi-Hermetic	06ET275
Dunham-Bush	B4HHC	-	-	06ET299
Frick	MCM-4A	-	Open Drive	5H46
Frick	MCM-4B	-	Open Drive	5H40
Frick	MCM-6A	-	Open Drive	5H80
Frick	MCM-6B	-	Open Drive	5H60
Frick	MCM-8A	-	Open Drive	5H86
Frick	MCM-8B	-	Open Drive	5H80
Lennox	L2A18024G-A3	-	Hermetic	06DX537
Lennox	L2B12724L-B3	-	Hermetic	06DX328
Lennox	L2B12724L-B4	-	Hermetic	06DX328
Lennox	L2D12724F-C4	-	Hermetic	06DX328
Lennox	L2D12724L-C5	-	Hermetic	06DX328
Lennox	L2D1272AZ-Bi	-	Hermetic	06DX328
Lennox	L6A18024G-A2	-	Hermetic	06DX537
Prestcold	E036C100	-	Open Drive	5H40
Prestcold	E2027C4	-	Open Drive	5H40
Prestcold	E2027X2	-	-	06ET265
Prestcold	E2050C1	-	Open Drive	5H46
Prestcold	R2120P	-	R-502 Low Temp.	06DR228
Prestcold	R2120P	-	R-12 Med. Temp.	06DM337
Tecumseh	CI	-	Open Drive	5F20
Tecumseh	CK	-	Open Drive	5F40
Tecumseh	CM	-	Open Drive	5F60
Trane	1E5/48	30	R-12 Med. Temp. and A/C Duty	06LH114
Trane	1E5/58	40	R-12 Med. Temp. and A/C Duty	06LH114
Trane	1E5/68	50	R-12 Med. Temp. and A/C Duty	06LH118
Trane	1E5/88	60	R-12 Med. Temp. and A/C Duty	06LH128
Trane	1F5/88	25	R-12 Med. Temp. and A/C Duty	06EZ199
Trane	2B514	-	Open Drive	5F40
Trane	2B516	-	Open Drive	5F60
Trane	2B518	-	Open Drive	06ET275
Trane	2E5/48	50	R-22 A/C Duty, Remove 1 Suction	06LH214
Trane	2E5/58	60	Semi-Hermetic	06LH214
Trane	2E5/68	75	R-22 A/C Duty	06LH218
Trane	2E5F81	-	R-22 A/C Duty, Remove 2 Suction	06LH228
Trane	2E5J81N	-	R-22 A/C Duty, Remove 2 Suction	06LH228
Trane	2E5/88	100	R-22 A/C Duty, Remove 2 Suction	06LH228
Trane	2F5/38	15	Semi-Hermetic	06D/537
Trane	2F5/48	20	Semi-Hermetic	06ET250
Trane	2F5/58	25	Semi-Hermetic	06E/265
Trane	2F5/68	30	Semi-Hermetic	06ET275
Trane	2F5/69	30	R-22 Semi-Hermetic	06ET275
Trane	2F5/88	40	Semi-Hermetic	06ET299
Trane	3E5/40	-	Open Drive, Do Not Belt Drive	5H46
Trane	3E5/50	-	Open Drive	5H60
Trane	3E5/60	-	Open Drive	5H66
Trane	3E5/80	-	Open Drive	5H86
Trane	3F5/30	-	Open Drive	5F40
Trane	3F5/60	-	Open Drive	06ET275
Trane	3F5/80	-	Open Drive	5H40
Trane	A514	-	Open Drive, Do Not Belt Drive	5H46
Trane	A516	-	Open Drive, Do Not Belt Drive	5H66
Trane	CRHK-200A	-	R-22 Hermetic	06ET250
Trane	CRH K-30 OT	-	R-22 Hermetic	06ET275

BRAND	MODEL #	HP	NOTES	CARLYLE MODEL
Trane	CRHM100	10	R-12 Med. Temp. and A/C	06DM337
Trane	CRHM130	13	R-12 Med. Temp. and A/C	06EZ150
Trane	CRHM150	15	R-22 A/C Duty	06DX537
Trane	CRHM160	-	R-22	06ET250
Trane	CRHM170	17	R-12 Med. Temp. and A/C	06EY165
Trane	CRHM190	19	R-12 Med. Temp. and A/C	06EZ175
Trane	CRHM200	20	R-22 A/C Duty	06ET250
Trane	CAHM200A-2B	20	Semi-Hermetic	06ET250
Trane	CRHM200A-	20	Semi-Hermetic	06ET250
Trane	CRHM20A-2J	20	Semi-Hermetic	06ET250
Trane	CRHM200B-2G	20	Semi-Hermetic	06ET250
Trane	CRHM200C-2D	20	Semi-Hermetic	06ET250
Trane	CRHM250	25	R-22 A/C Duty	06ET265
Trane	CRHM250A-4G	25	Semi-Hermetic	06ET265
Trane	CRHM250B-3B	25	Semi-Hermetic	06ET265
Trane	CRHM300	30	R-22 A/C Duty	06ET275
Trane	CRHM300A-	30	Semi-Hermetic	06ET275
Trane	CRHM300C-4G	30	Semi-Hermetic	06ET275
Trane	CRHM300C-	30	Semi-Hermetic	06ET275
Trane	CRHM300W-	30	Semi-Hermetic	06ET275
Trane	CRHR260	26	R-1 Med. Temp. and A/C	06EZ199
Trane	CRHR320	32	R-12 Med. Temp. and A/C	06LH114
Trane	CRHR380	38	R-12 Med. Temp. and A/C	06LH114
Trane	CRHR400	40	R-22 A/C Duty	06ET299
Trane	CRHR400A-3H	40	Semi-Hermetic	06ET299
Trane	CRHR400C-3E	40	Semi-Hermetic	06ET299
Trane	CRH400D-30	40	Semi-Hermetic	06ET299
Trane	CRHR500	50	R-22 A/C Duty, Remove 1	06LH214
Trane	CRHR600	60	A/C Duty	06LH214
Westinghouse	CB065	7.5	-	06D/328
Westinghouse	CB094	7.5	-	06DM824
Westinghouse	CB101	8	-	06DM824
Westinghouse	CB127	10	R-22 Semi-Hermetic	06D/328
Westinghouse	CB127AIP	10	R-22 Semi-Hermetic	06D/328
Westinghouse	CB151	15	R-22 Semi-Hermetic	06DM537
Westinghouse	CB151AIQ	15	R-22 Semi-Hermetic	06DM537
Westinghouse	CB151W	15	R-22 Semi-Hermetic	06DM537
Westinghouse	CB151WQ	15	R-22 Semi-Hermetic	06DM537
Westinghouse	CC035	35	-	06ET275
Westinghouse	CC040	40	R-12 Semi-Hermetic	06EZ199
Westinghouse	CC040	40	R-22 Semi-Hermetic	06ET299
Westinghouse	CC050	50	Remove 1 Suction Ring	06L/114
Westinghouse	CC055	55	Remove 1 Suction Ring	06LH214
Westinghouse	CC060	60	-	06LH214
Westinghouse	CC070	70	Remove 1 Suction Ring	06LH118
Westinghouse	CC080	80	-	06LH218
Westinghouse	CC095	95	Remove 2 Suction Rings	06LH128
Westinghouse	CC105	105	Remove 1 Suction Ring	06LH228
Westinghouse	CC115	115	-	06LH228
Westinghouse	CD090	7.5	-	06DM818
Westinghouse	CLS51	5	R-22 Semi-Hermetic	06DM818
Westinghouse	CLS108	25	R-12 Semi-Hermetic	06EZ199
Westinghouse	CLS125	30	R-22 Semi-Hermetic	06E/275
Westinghouse	CLS150	45	R-22 Semi-Hermetic	06ET299
Westinghouse	CLS185	60	-	06LH214
Westinghouse	CLS188	5	-	06DM818
Westinghouse	CLS282	7.5	Refrigeration Duty	06DR228
Westinghouse	CLS282	7.5	R-12 A/C Duty	06DR328
Westinghouse	CLS550	15	R-2/115 ORPM	06EZ266
Westinghouse	CLS81	7.5	R-22 Semi-Hermetic	06DM818
Westinghouse	CLS850	25	R-12	06EZ199
Westinghouse	CLS86	20	-	06LH209

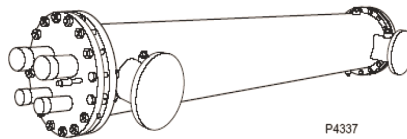
COMPRESSOR CROSS-REFERENCE

BRAND	MODEL #	HP	NOTES	CARLYLE MODEL
Worthington	23J5-10	10	-	06DX824
Worthington	23JF5-10	10	R-22 Semi-Hermetic	06DX824
Worthington	2HF3-7.5	7.5	R-22 Semi-Hermetic	06DM818
Worthington	2JF3	5	-	06DM313
Worthington	2JF5	10	-	06DM718
Worthington	2J F5-10	10	-	06DM818
Worthington	2JF5-7.5	7.5	R-22 Semi-Hermetic	06DM818
Worthington	2VC4	25	Open Drive	06DX537
Worthington	2VC5	30	Open Drive	5F60
Worthington	2VC6	30	Open Drive	06ET265
Worthington	2VC7	35	Open Drive	06ET265
Worthington	2VH4	20	R-22 Semi-Hermetic	06EX250
Worthington	2VH5	-	R-22 Semi-Hermetic	06ET265
Worthington	2VH7	30	R-22 Semi-Hermetic	06EX299
Worthington	2VXC6	-	Open Drive	5F60
Worthington	2VXC65A	-	Open Drive	5H40
Worthington	2VXC8	-	Open Drive	5H46
Worthington	2VXH3	17.5	Semi-Hermetic	06DX537
Worthington	2VXH4	25	Semi-Hermetic	06ET250
Worthington	2VXH5	30	Semi-Hermetic	06ET265
Worthington	2VXH6	35	Semi-Hermetic	06ET275
Worthington	2VXH7	40	Semi-Hermetic	06ET299
Worthington	2VXH8	45	Semi-Hermetic, Remove 1 Suction Ring	06LH214
Worthington	2VXHG4	25	Semi-Hermetic	06EX275
Worthington	2VXHJ6B	45	Semi-Hermetic	06EX275
Worthington	2VXHJ6BS2	45	Semi-Hermetic	06ET275
Worthington	2VXHM7A	40	Semi-Hermetic	06ET299
Worthington	2VXHM8	40	Remove 1 Suction Ring	06LH214
Worthington	3JF4	15	Open Drive	06E()299
Worthington	3JF6	25	Open Drive	06LH214
Worthington	3JFS4	7.5	-	06E()299
Worthington	3VC4	-	Open Drive	5H40
Worthington	3VC5HL	-	Open Drive	5H46
Worthington	3VC6	-	Open Drive	5H60
Worthington	3VC7 HSK	-	Open Drive	5H66
Worthington	3VC8	-	Open Drive	5H50
Worthington	3VH05	50	Semi-Hermetic, Remove 1 Suction Ring	06LH214
Worthington	3VH06	60	Semi-Hermetic	06LH214
Worthington	3VHN4	40	Semi-Hermetic	06LH209
Worthington	3VHN4B	40	Semi-Hermetic	06LH209
Worthington	3VHP6	50	Semi-Hermetic	06LH214
Worthington	3VHP7R	70	Semi-Hermetic	06LH214
Worthington	3VHR8	-	R-22 Semi-Hermetic	06LH218
Worthington	3VHTB	-	Semi-Hermetic	06LH218
Worthington	3VXC8	-	Open Drive	5H86
Worthington	3VXH-8	100	Semi-Hermetic, Remove 2 Suction Ring Valves	06LH228
Worthington	3VXHTBR	100	Semi-Hermetic	06LH218
Worthington	3VXHV8S3	100	Semi-Hermetic	06LH228
Worthington	4JF4	40	Open Drive	5H40
York	BF29	-	Open Drive	5H40
York	ES68S-25-AS	-	Semi-Hermetic	06DM818
York	ES68T-25-AS	-	Semi-Hermetic	06DM818
York	ES68T-46-AS	-	Semi-Hermetic	06DM818
York	F3049	-	Open Drive	5H60
York	F3069BE	-	Open Drive	5H60
York	F3089	-	Open Drive	5H120
York	F32S	-	Open Drive	5F40
York	F92S	40	Open Drive	5H46
York	G63SA	-	-	5H60
York	H256	25	-	06ET265
York	H256WC	25	-	06ET265
York	H256WW	25	-	06ET265

BRAND	MODEL #	HP	NOTES	CARLYLE MODEL
York	H306GC	30	-	06ET275
York	H32SM	15	Semi-Hermetic	06DX537
York	H459	45	Semi-Hermetic, Remove 1 Suction Ring Valve	06LH214
York	H615	25	-	06E()265
York	H615NF	-	R-22 A/C Duty	06ET265
York	H62SPDG	20	-	06EZ175
York	H62SODG	20	Semi-Hermetic	06EZ175
York	H92SRDG	45	Semi-Hermetic	06LH114
York	H92SRFS	45	-	06LH114
York	H92SSCG	45	-	06LH114
York	HS256W	25	-	06ET265
York	JS43L-46AS	-	-	06LH214
York	SS42A-F46-G	20	-	06EX250
York	SS42B-F17-G	20	-	06EX250
York	SS42F-25-A-G	20	Semi-Hermetic	06EX250
York	SS42F-46G	20	Semi-Hermetic	06EX250
York	SS62B-J28-G	30	-	06ET275
York	SS62B-J28-S	30	-	06ET275
York	SS62B-J46-S	30	-	06ET275
York	SS62H-46-A-S	30	-	06ET275
York	SS63C-L46S	30	R-22 Semi-Hermetic	06ET299
York	SS82B-L46S	40	-	06ET299

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Model Number Significance



Build your system on the best...10RT Series DX coolers

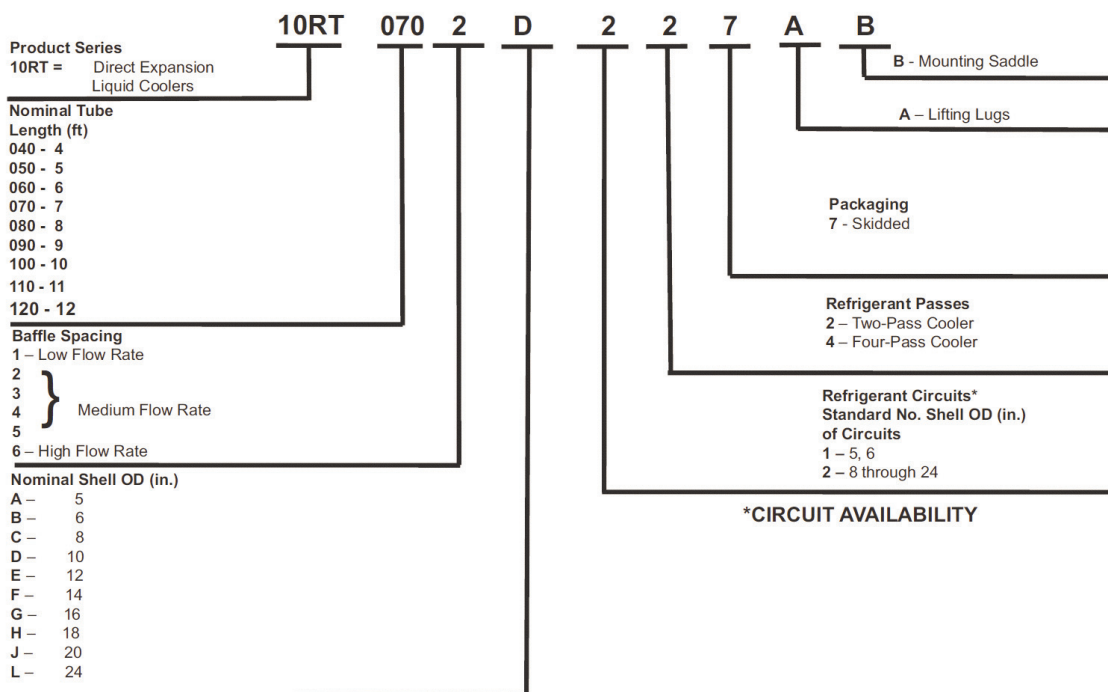
Choose Carrier 10RT Series directexpansion(DX) shell-and-tube liquid coolers for built-up systems in office buildings, hospitals, or any commercial applications where unique cooling requirements or space limitations dictate the need for separate location of the cooler from the condenser, compressors, or air-handling components.

Features/Benefits:

- Fifteen models, 7 1/2 through 350 tons normally carried in stock or with short shipping lead times.
- High performance tubes providing more economical cooling.
- Serviceable through-tube design and removable heads.
- Controlled refrigerant velocities for positive oil return and low refrigerant pressure drop.

With 10RT Series coolers, dimensional restrictions are no problem, since you select from a large assortment of shell diameters and lengths. And these compact coolers are available in 7 1/2 through 350 nominal tons capacity range. (Based on 44 F leaving water temperature; R-22 at 35 F evaporator temperature; 0.0001 fouling factor.) The 10RT is designed for optimum heat transfer rates and features rolled-in tubes and removable heads. Shell-side baffling is selected for high operating efficiency and minimal fluid pressure drops.

Model Number Nomenclature



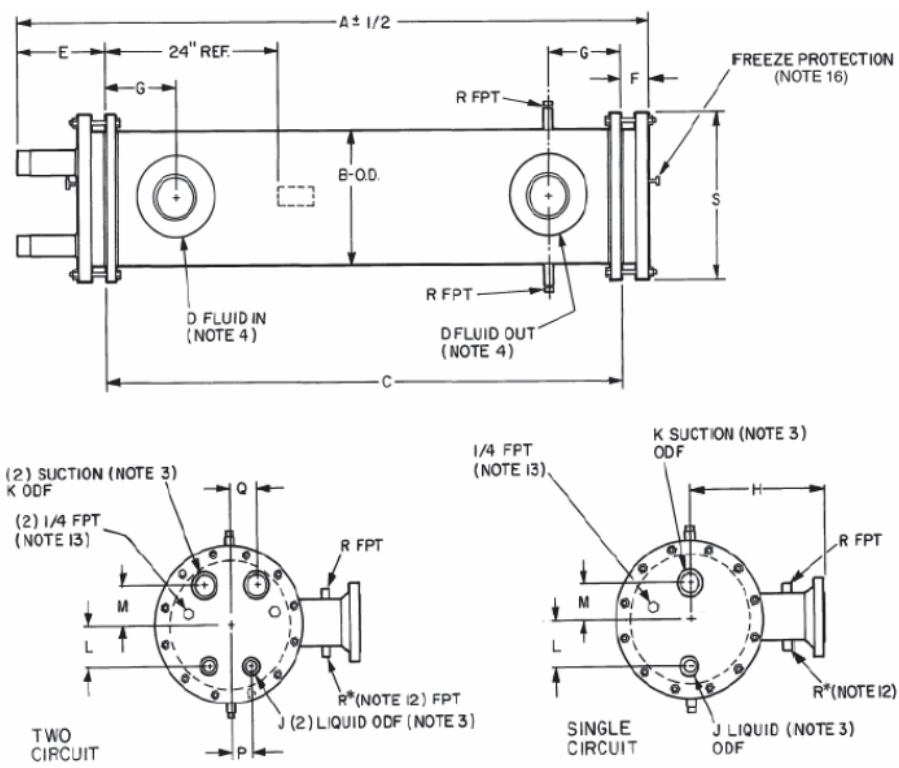
Letter Designator	Shell OD(In.)	No. Of Circuits			
		1	2	3	4
A	5	Std	NA	NA	NA
B	6	Std	NA	NA	NA
C	8	SO	Std	NA	NA
D	10	SO	Std	SO	NA
E	12	SO	Std	SO	SO
F	14	SO	Std	SO	SO
G	16	SO	Std	SO	SO
H	18	SO	Std	SO	SO
J	20	SO	Std	SO	SO
L	24	SO	Std	SO	SO

LEGEND

- NA -- Not Available
- SO -- Special Order
- Std -- Standard

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Model Number Significance



1. Constructed and tested in accordance with ASME code Section VIII for unfired pressure vessels.
2. Maximum working pressures: 200 psi at 100 F tube side; 150 psi at 120 F shell side.
3. Connections J and K are steel welded to head and bored to ODS of copper tubing.
4. Fluid connections are MPT through 3 inches. Connections larger than 3 in. terminate in 150 lb flanges.
5. Shell baffles: hot-rolled steel,terne plate.
6. Heads: ASME specification SA-285, grade C, or cast steel heads, ASME specification SA-216, grade WCA or WCB.
7. Tube sheets: flange quality carbon steel, ASME specification SA-285 grade C.
8. Shell: Steel pipe shell, ASME specification SA-53, grade A or B.
9. Tubes: 3/4-in. OD seamless copper tubes per ASME specifications with internal and external enhanced surface.
10. One circuit standard with 5-in. and 6-in. pipe shell (optional for all others).Two circuits standard with 8-in. through 24-in. pipe shells.
11. Insulation: 3/4-in. Armaflex standard. Double layer of Armaflex available on special order.
12. Fitting R* used only on 3-in. MPT or smaller fluid connections.Fluid connections larger than 3-in. have both R and R*.
13. External equalizer connection.
14. Add 1 1/2-in. to dimension B; 3/4-in. to dimension F; and 1 1/2-in. to dimension S to take into account the standard 3/4-in. Armaflex insulation.
15. Finish: Grey enamel paint.
16. 1/4-FPT freeze protection connection.
17. Tube wall thickness: 0.028-in. finned; 0.056-in. plain.

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Dimensions - 2-Pass (in.)

Part Number	A	B	C	D	E	F	G	H	J (ODF)	K (ODF)	L	M	p	Q	R	S
10RT0401 A 127AB	55-3/4	5-9/16	47-5/8	2	6-13/16	1-5/16	3-3/16	8-5/8	7/8	1-3/8	1-1/4	1-3/8	-	-	3/4	8-1/2
10RT0501 A 127AB	67-3/4	5-9/16	59-5/8	2	6-13/16	1-5/16	3-3/16	8-5/8	7/8	1-3/8	1-1/4	1-3/8	-	-	3/4	8-1/2
10RT0501 B 127AB	67-3/4	6-5/8	59-5/8	2-1/2	6-13/16	1-5/16	3-7/16	9-3/16	1-1/8	2-1/8	1-9/16	1-9/16	-	-	3/4	9-3/4
10RT0601 B 127AB	79-3/4	6-5/8	71-5/8	2-1/12	6-13/16	1-5/16	3-7/16	9-3/16	1-1/8	2-1/8	1-9/16	1-9/16	-	-	3/4	9-3/4
10RT0401 C 227AB	56	8-5/8	47-5/8	3	6-15/16	1-7/16	3-7/8	10-3/16	1-3/8	2-1/8	2	1-5/8	1-1/2	1-3/4	3/4	11-3/4
10RT0501 C 227AB	68	8-5/8	59-5/8	3	6-15/16	1-7/16	3-7/8	10-3/16	1-3/8	2-1/8	2	1-5/8	1-1/2	1-3/4	3/4	11-3/4
10RT0602 C 227AB	80	8-5/8	71-5/8	3	6-15/16	1-7/16	3-7/8	10-3/16	1-3/8	2-1/8	2	1-5/8	1-1/2	1-3/4	3/4	11-3/4
10RT0702 C 227AB	92	8-5/8	83-5/8	3	6-15/16	1-7/16	3-7/8	10-3/16	1-3/8	2-1/8	2	1-5/8	1-1/2	1-3/4	3/4	11-3/4
10RT0503 D 227AB	69	10-3/4	59-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-3/8	2-5/8	2-3/4	1-3/4	2	2-1/2	3/4	14-3/8
10RT0604 D 227AB	81	10-3/4	71-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-3/8	2-5/8	2-3/4	1-3/4	2	2-1/2	3/4	14-3/8
10RT0702 D 227AB	93	10-3/4	83-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-3/8	2-5/8	2-3/4	1-3/4	2	2-1/2	3/4	14-3/8
10RT0704 D 227AB	93	10-3/4	83-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-3/8	2-5/8	2-3/4	1-3/4	2	2-1/2	3/4	14-3/8
10RT0804 D 227AB	105	10-3/4	95-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-3/8	2-5/8	2-3/4	1-3/4	2	2-1/2	3/4	14-3/8
10RT0904 D 227AB	117	10-3/4	107-5/8	5	7-7/16	1-15/16	5-1/16	11-5/8	1-3/8	2-5/8	2-3/4	1-3/4	2	2-1/2	3/4	14-3/8
10RT0804 E 227AB	105-1/2	12-3/4	95-5/8	5	7-11/16	2-3/16	5-3/4	12-5/8	1-5/8	2-5/8	3-1/4	1-3/4	2-1/2	2-3/4	3/4	16-3/8
10RT0806 E 227AB	105-1/2	12-3/4	95-5/8	6	7-11/16	2-3/16	5-3/4	12-5/8	1-5/8	2-5/8	3-1/4	1-3/4	2-1/2	2-3/4	3/4	16-3/8
10RT1004 F 227AB	130-1/2	14	119-5/8	6	8-3/16	2-11/16	5-3/4	13-1/4	1-5/8	3-1/8	3-3/4	3	2-5/8	2-7/8	3/4	17-1/2
10RT1104 F 227AB	142-1/2	14	131-5/8	6	8-3/16	2-11/16	5-3/4	13-1/4	1-5/8	3-1/8	3-3/4	3	2-5/8	2-7/8	3/4	17-1/2
10RT1004 G 227AB	131-1/2	16	119-5/8	8	8-11/16	3-3/16	7-1/16	14-1/4	2-1/8	3-1/8	4	3	3	3-1/4	3/4	19-1/2
10RT1104 G 227AB	143-1/2	16	131-5/8	8	8-11/16	3-3/16	7-1/16	14-1/4	2-1/8	3-1/8	4	3	3	3-1/4	3/4	19-1/2
10RT0903 H 227AB	119-1/2	18	107-5/8	8	8-11/16	3-3/16	7-1/16	15-1/4	2-1/8	3-5/8	4-3/4	3-1/2	3-1/4	3-3/4	3/4	21-1/2
10RT1003 H 227AB	131-1/2	18	119-5/8	8	8-11/16	3-3/16	7-1/16	15-1/4	2-1/8	3-5/8	4-3/4	3-1/2	3-1/4	3-3/4	3/4	21-1/2
10RT1205 H 227AB	155-1/2	18	143-5/8	8	8-11/16	3-3/16	7-1/16	15-1/4	2-1/8	3-5/8	4-3/4	3-1/2	3-1/4	3-3/4	3/4	21-1/2
10RT1003 J 227AB	132-1/2	20	119-5/8	8	9-3/16	3-11/16	8-3/8	16-1/4	2-1/8	3-5/8	5	4-1/4	3-1/2	4-3/8	3/4	23-1/2
10RT1104 J 227AB	144-1/2	20	131-5/8	10	9-3/16	3-11/16	8-3/8	16-1/4	2-1/8	3-5/8	5	4-1/4	3-1/2	4-3/8	3/4	23-1/2
10RT1204 J 227AB	156-1/2	20	143-5/8	10	9-3/16	3-11/16	8-3/8	16-1/4	2-1/8	3-5/8	5	4-1/4	3-1/2	4-3/8	3/4	23-1/2
10RT1206 J 227AB	155-1/2	20	143-5/8	10	8-11/16	3-11/16	8-3/8	16-1/4	2-1/8	3-5/8	5	4-1/4	3-1/2	4-3/8	3/4	23-1/2
10RT0902 L 227AB	120-1/2	24	107-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-5/8	4-1/8	6-1/4	3-5/8	4-3/4	4-7/8	3/4	27-1/2
10RT1002 L 227AB	132-1/2	24	119-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-5/8	4-1/8	6-1/4	3-5/8	4-3/4	4-7/8	3/4	27-1/2
10RT1103 L 227AB	144-1/2	24	131-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-5/8	4-1/8	6-1/4	3-5/8	4-3/4	4-7/8	3/4	27-1/2
10RT1203 L 227AB	156-1/2	24	143-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-5/8	4-1/8	6-1/4	3-5/8	4-3/4	4-7/8	3/4	27-1/2

Semi - Hermetic Compressor, Coolers & Condensers



10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Dimensions - 4-Pass (in.)

Part Number	A	B	C	D	E	F	G	H	J (ODF)	K (ODF)	L	M	p	Q	R	S
10RT0401 A 147AB	56-3/8	5-9/16	47-5/8	2	7-1/16	1-5/16	3-3/16	8-5/8	5/8	1-1/8	1-3/4	1-3/4	-	-	3/4	8-1/2
10RT0501 A 147AB	68-3/8	5-9/16	59-5/8	2	7-1/16	1-5/16	3-3/16	8-5/8	5/8	1-1/8	1-3/4	1-3/4	-	-	3/4	8-1/2
10RT0501 B 147AB	67-3/4	6-5/8	59-5/8	2-1/2	6-13/16	1-5/16	3-7/16	9-3/16	7/8	1-3/8	2-1/8	2-1/8	-	-	3/4	9-3/4
10RT0601 B 147AB	79-3/4	6-5/8	71-5/8	2-1/2	6-13/16	1-5/16	3-7/16	9-3/16	7/8	1-3/8	2-1/8	2-1/8	-	-	3/4	9-3/4
10RT0401 C 247AB	56-5/8	8-5/8	47-5/8	3	7-9/16	1-7/16	3-7/8	10-3/16	1-1/8	1-3/8	3	3	1-25/64	1-25/64	3/4	11-3/4
10RT0501 C 247AB	68-5/8	8-5/8	59-5/8	3	7-9/16	1-7/16	3-7/8	10-3/16	1-1/8	1-3/8	3	3	1-25/64	1-25/64	3/4	11-3/4
10RT0602 C 247AB	80-5/8	8-5/8	71-5/8	3	7-9/16	1-7/16	3-7/8	10-3/16	1-1/8	1-3/8	3	3	1-25/64	1-25/64	3/4	11-3/4
10RT0702 C 247AB	92-5/8	8-5/8	83-5/8	3	7-9/16	1-7/16	3-7/8	10-3/16	1-1/8	1-3/8	3	3	1-25/64	1-25/64	3/4	11-3/4
10RT0503 D 247AB	69	10-3/4	59-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-1/8	2-1/8	4-1/16	3	1-1/8	2	3/4	14-3/8
10RT0604 D 247AB	81	10-3/4	71-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-1/8	2-1/8	4-1/16	3	1-1/8	2	3/4	14-3/8
10RT0702 D 247AB	93	10-3/4	83-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-1/8	2-1/8	4-1/16	3	1-1/8	2	3/4	14-3/8
10RT0704 D 247AB	93	10-3/4	83-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-1/8	2-1/8	4-1/16	3	1-1/8	2	3/4	14-3/8
10RT0804 D 247AB	105	10-3/4	95-5/8	4	7-7/16	1-15/16	4-1/2	11-5/8	1-1/8	2-1/8	4-1/16	3	1-1/8	2	3/4	14-3/8
10RT0904 D 247AB	117	10-3/4	107-5/8	5	7-7/16	1-15/16	5-1/16	11-5/8	1-1/8	2-1/8	4-1/16	3	1-1/8	2	3/4	14-3/8
10RT0804 E 247AB	105-1/2	12-3/4	95-5/8	5	7-11/16	2-3/16	5-3/4	12-5/8	1-3/8	2-1/8	4-3/8	3-1/2	2	2-1/2	3/4	16-3/8
10RT0806 E 247AB	105-1/2	12-3/4	95-5/8	6	7-11/16	2-3/16	5-3/4	12-5/8	1-3/8	2-1/8	4-3/8	3-1/2	2	2-1/2	3/4	16-3/8
10RT1004 F 227AB	130-1/2	14	119-5/8	6	8-3/16	2-11/16	5-3/4	13-1/4	1-3/8	2-5/8	5	4-1/8	1-7/8	2-5/8	3/4	17-1/2
10RT1104 F 247AB	142-1/2	14	131-5/8	6	8-3/16	2-11/16	5-3/4	13-1/4	1-3/8	2-5/8	5	4-1/8	1-7/8	2-5/8	3/4	17-1/2
10RT1004 G 247AB	131-1/2	16	119-5/8	8	8-11/16	3-3/16	7-1/16	14-1/4	1-5/8	2-5/8	6-1/4	3-7/8	1-5/8	3	3/4	19-1/2
10RT1104 G 247AB	143-1/2	16	131-5/8	8	8-11/16	3-3/16	7-1/16	14-1/4	1-5/8	2-5/8	6-1/4	3-7/8	1-5/8	3	3/4	19-1/2
10RT0903 H 247AB	119-1/2	18	107-5/8	8	8-11/16	3-3/16	7-1/16	15-1/4	1-5/8	2-5/8	6-3/8	4-1/2	2-5/8	3-3/8	3/4	21-1/2
10RT1003 H 247AB	131-1/2	18	119-5/8	8	8-11/16	3-3/16	7-1/16	15-1/4	1-5/8	2-5/8	6-3/8	4-1/2	2-5/8	3-3/8	3/4	21-1/2
10RT1205 H 247AB	155-1/2	18	143-5/8	8	8-11/16	3-3/16	7-1/16	15-1/4	1-5/8	2-5/8	6-3/8	4-1/2	2-5/8	3-3/8	3/4	21-1/2
10RT1003 J 247AB	132-1/2	20	119-5/8	8	9-3/16	3-11/16	8-3/8	16-1/4	1-5/8	3-1/8	7-1/4	5	3-5/16	4	3/4	23-1/2
10RT1104 J 247AB	144-1/2	20	131-5/8	10	9-3/16	3-11/16	8-3/8	16-1/4	1-5/8	3-1/8	7-1/4	5	3-5/16	4	3/4	23-1/2
10RT1204 J 247AB	156-1/2	20	143-5/8	10	9-3/16	3-11/16	8-3/8	16-1/4	1-5/8	3-1/8	7-1/4	5	3-5/16	4	3/4	23-1/2
10RT1206 J 247AB	155-1/2	20	143-5/8	10	8-11/16	3-11/16	8-3/8	16-1/4	1-5/8	3-1/8	7-1/4	5	3-5/16	4	3/4	23-1/2
10RT0902 L 247AB	120-1/2	24	107-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-1/8	3-5/8	8-3/4	6-1/4	3-3/4	4-3/4	3/4	27-1/2
10RT1002 L 247AB	132-1/2	24	119-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-1/8	3-5/8	8-3/4	6-1/4	3-3/4	4-3/4	3/4	27-1/2
10RT1103 L 247AB	144-1/2	24	131-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-1/8	3-5/8	8-3/4	6-1/4	3-3/4	4-3/4	3/4	27-1/2
10RT1203 L 247AB	156-1/2	24	143-5/8	10	9-3/16	3-11/16	8-9/16	18-1/4	2-1/8	3-5/8	8-3/4	6-1/4	3-3/4	4-3/4	3/4	27-1/2

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Water Ratings - R-22

6 F Water Temperature Range; 4 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	—	—	2.69	1.05	4.09	2.18	5.37	3.74	6.66	5.69	8.19	8.59	6.33	5.18
0501-A	2.24	0.99	3.67	2.23	5.12	4.32	6.58	7.08	8.17	10.89	6.52	7.08	8.20	10.89	—	—
0501-B	3.18	0.92	5.11	1.80	7.63	4.07	9.86	6.79	12.08	10.06	9.52	6.38	12.11	10.07	—	—
0601-B	5.63	2.79	8.17	5.87	10.51	9.67	7.79	5.33	10.90	10.37	—	—	—	—	—	—
0401-C	—	—	—	—	8.03	1.18	11.76	2.56	15.11	4.20	18.85	6.42	14.18	3.71	18.81	6.42
0501-C	6.59	1.09	10.24	2.40	14.42	4.81	18.54	7.85	13.24	4.05	18.05	7.38	—	—	—	—
0602-C	9.49	1.29	13.86	2.77	18.17	4.81	21.84	6.85	19.02	5.21	26.14	9.71	—	—	—	—
0702-C	13.65	3.12	17.62	5.14	21.42	7.59	21.40	7.59	—	—	—	—	—	—	—	—
0503-D	—	—	—	—	18.61	1.34	24.34	2.27	30.78	3.66	36.40	5.07	31.66	3.90	39.27	5.84
0604-D	—	—	16.99	0.96	23.71	1.52	29.52	2.32	35.26	3.28	31.87	2.69	42.97	4.91	—	—
0702-D	20.02	2.85	26.69	5.08	32.63	7.62	31.92	7.32	42.59	12.70	—	—	—	—	—	—
0704-D	16.67	1.01	23.34	1.69	29.40	2.66	26.61	2.21	37.26	4.30	—	—	—	—	—	—
0804-D	21.48	1.64	27.66	2.68	27.47	2.69	38.34	5.15	—	—	—	—	—	—	—	—
0904-D	25.06	2.70	25.84	2.89	37.99	6.16	50.16	10.53	62.38	15.91	—	—	—	—	—	—
0804-E	33.82	2.45	43.22	3.94	42.08	3.74	60.61	7.69	—	—	—	—	—	—	—	—
0806-E	26.99	1.30	37.34	2.38	45.78	3.44	46.94	3.61	65.56	6.76	84.26	10.82	102.82	15.66	—	—
1004-F	47.06	2.64	58.71	4.07	73.76	6.29	90.98	9.57	106.21	12.81	—	—	—	—	—	—
1104-F	52.60	3.74	70.01	6.55	86.25	9.76	102.57	13.60	—	—	—	—	—	—	—	—
1004-G	58.90	2.44	68.31	3.26	87.40	5.26	109.41	8.27	128.83	11.26	150.88	15.44	—	—	—	—
1104-G	61.88	3.16	82.55	5.54	103.33	8.56	124.27	12.20	147.95	17.38	—	—	—	—	—	—
0903-H	74.18	2.72	88.38	3.79	97.48	4.64	119.33	6.81	144.68	9.94	—	—	—	—	—	—
1003-H	80.75	3.71	93.28	4.96	117.17	7.66	144.82	11.65	—	—	—	—	—	—	—	—
1206-H	83.38	1.82	113.41	3.35	143.59	5.32	171.52	7.50	—	—	—	—	—	—	—	—
1003-J	100.08	3.30	116.03	4.41	150.12	7.35	180.40	10.36	—	—	—	—	—	—	—	—
1104-J	101.36	2.41	133.70	4.10	170.94	6.69	203.91	9.32	241.33	13.01	—	—	—	—	—	—
1204-J	120.62	4.04	158.17	6.88	193.50	10.10	233.48	14.73	—	—	—	—	—	—	—	—

8 F Water Temperature Range; 3 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	2.20	0.71	3.31	0.97	4.71	1.63	6.00	2.63	7.55	4.20	8.83	5.69	10.10	7.36
0501-A	2.87	0.95	4.48	1.88	6.11	3.50	7.57	5.34	8.99	7.52	7.39	5.06	9.78	8.89	11.51	11.97
0501-B	4.15	0.90	6.38	1.58	8.89	3.12	11.14	4.88	13.33	7.01	15.24	9.07	14.01	7.67	—	—
0601-B	7.02	2.42	9.70	4.68	12.02	7.22	13.97	9.67	13.22	8.66	—	—	—	—	—	—
0401-C	—	—	6.61	0.77	9.90	1.09	13.65	1.94	17.41	3.17	20.78	4.45	24.47	6.12	27.43	7.54
0501-C	8.97	1.11	13.14	2.26	16.86	3.68	20.97	5.72	24.50	7.73	21.66	6.03	27.63	9.63	—	—
0602-C	12.01	1.18	16.09	2.09	20.38	3.39	17.44	2.49	23.33	4.45	30.48	7.52	—	—	—	—
0702-C	16.24	2.48	20.12	3.80	18.87	3.34	25.77	6.21	34.12	10.77	—	—	—	—	—	—
0503-D	—	—	14.92	0.79	20.61	1.03	27.10	1.59	33.53	2.45	38.44	3.19	35.47	2.74	44.69	4.35
0604-D	13.05	0.66	19.29	0.84	26.00	1.10	31.75	1.52	27.20	1.12	36.30	1.99	47.49	3.40	56.77	4.79
0702-D	24.01	2.31	30.53	3.78	27.95	3.16	38.63	6.04	50.45	10.18	61.29	14.68	—	—	—	—
0704-D	19.94	0.92	26.55	1.25	31.99	1.79	31.86	1.80	42.56	3.17	53.36	4.94	—	—	—	—
0804-D	25.17	1.29	30.61	1.88	33.56	2.27	45.77	4.18	57.97	6.66	—	—	—	—	—	—
0904-D	28.13	1.92	31.27	2.35	44.97	4.86	58.59	8.25	69.47	11.24	82.68	15.92	—	—	—	—
0804-E	38.67	1.80	47.06	2.62	51.44	3.16	70.18	5.80	88.81	9.16	—	—	—	—	—	—
0806-E	30.55	1.06	40.82	1.66	48.21	2.22	53.85	2.74	70.53	4.50	89.37	7.00	108.16	10.01	126.64	13.45
1004-F	52.75	1.90	67.80	3.05	85.26	4.79	100.46	6.54	117.73	8.98	132.80	11.30	147.73	13.87	—	—
1104-F	63.66	3.10	80.11	4.79	98.73	7.29	115.03	9.76	130.97	12.58	—	—	—	—	—	—
1004-G	62.42	1.57	82.98	2.75	102.34	4.10	121.73	5.71	143.91	7.99	165.93	10.63	185.09	13.09	—	—
1104-G	76.24	2.72	98.76	4.51	119.65	6.52	140.64	8.89	161.51	11.62	181.96	14.68	—	—	—	—
0903-H	83.38	1.92	89.38	2.22	114.53	3.62	136.62	5.04	162.15	7.05	187.84	9.37	213.58	12.01	—	—
1003-H	84.43	2.30	112.03	4.04	136.20	5.84	164.03	8.43	191.93	11.46	—	—	—	—	—	—
1206-H	100.05	1.49	132.36	2.60	160.71	3.75	189.06	5.12	216.50	6.70	—	—	—	—	—	—
1003-J	104.93	2.05	139.37	3.59	173.80	5.55	208.49	7.92	243.33	10.69	—	—	—	—	—	—
1104-J	123.80	2.03	159.11	3.29	196.59	5.00	234.05	7.06	267.16	9.04	303.48	11.71	—	—	—	—
1204-J	145.33	3.29	185.85	5.37	221.35	7.48	261.01	10.45	295.33	13.29	—	—	—	—	—	—

Legend

- Cap. — Capacity (Tons)
- EFT — Entering Fluid Temperature
- LFT — Leaving Fluid Temperature
- PD — Pressure Drop (PSIG)
- SST — Refrigerant Saturated Suction Temperature

Notes:

1. Ratings based on 35 F saturated suction Temperature. Fouling factor is 0.0001.
2. Shaded selections are 2-pass. All other selections are 4-pass.
3. LTD = LFT - SST
4. Range = EFT - LFT

Semi - Hermetic Compressor, Coolers & Condensers

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Water Ratings - R-22

10 F Water Temperature Range; 2.4 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	2.53	0.68	3.79	0.90	5.06	1.19	6.62	2.05	7.92	2.92	9.43	4.21	10.69	5.38
0501-A	3.66	0.98	5.12	1.55	6.74	2.71	8.19	3.99	9.61	5.53	8.61	4.41	10.67	6.75	13.09	10.07
0501-B	5.10	0.89	7.61	1.46	9.86	2.45	12.09	3.68	14.06	4.95	12.73	4.09	15.90	6.38	19.11	9.07
0601-B	8.50	2.31	10.85	3.76	13.15	5.56	11.68	4.33	15.52	7.71	19.37	11.86	—	—	—	—
0401-C	—	—	8.02	0.75	11.35	0.99	15.12	1.51	18.90	2.37	22.60	3.43	25.90	4.45	24.46	4.00
0501-C	10.80	1.07	15.01	1.87	19.16	3.08	22.78	4.36	20.35	3.49	26.26	5.78	31.26	7.95	—	—
0602-C	13.87	1.08	18.18	1.73	21.88	2.49	20.41	2.17	27.60	4.02	33.58	5.84	40.82	8.51	—	—
0702-C	18.01	1.94	21.85	2.87	23.12	3.22	30.80	5.74	37.80	8.43	—	—	—	—	—	—
0503-D	—	—	16.84	0.73	23.31	0.94	29.00	1.16	34.66	1.66	40.26	2.25	39.20	2.15	48.52	3.30
0604-D	14.79	0.63	21.51	0.77	27.27	0.93	32.97	1.11	29.59	1.00	40.68	1.61	49.98	2.40	61.27	3.60
0702-D	26.75	1.83	33.18	2.86	34.48	3.10	45.27	5.32	56.07	8.04	69.00	12.11	—	—	—	—
0704-D	22.01	0.83	28.06	1.02	33.94	1.30	34.77	1.36	47.78	2.58	58.67	3.84	69.47	5.33	—	—
0804-D	26.91	1.05	27.45	1.08	38.27	1.88	51.82	3.45	64.08	5.25	73.81	6.80	—	—	—	—
0904-D	25.92	1.13	38.07	2.25	51.82	4.16	64.10	6.30	76.11	8.81	86.81	11.25	—	—	—	—
0804-E	42.18	1.39	42.11	1.39	60.68	2.83	79.50	4.79	98.23	7.25	116.66	10.10	—	—	—	—
0806-E	33.85	0.96	42.26	1.16	42.22	1.16	60.64	2.28	79.26	3.75	97.97	5.57	116.58	7.71	131.45	9.54
1004-F	60.30	1.58	76.67	2.51	94.19	3.76	111.47	5.26	126.53	6.69	141.56	8.29	—	—	—	—
1104-F	73.24	2.64	90.89	4.00	108.4	5.65	124.48	7.38	140.41	9.34	—	—	—	—	—	—
1004-G	72.22	1.34	94.51	2.29	114.16	3.26	136.30	4.65	155.68	6.00	175.06	7.51	196.72	9.53	—	—
1104-G	90.28	2.46	111.46	3.67	132.49	5.11	155.99	7.15	176.56	9.10	—	—	—	—	—	—
0903-H	91.50	1.50	102.53	1.86	128.10	2.87	153.67	4.10	179.25	5.54	204.80	7.19	230.36	9.04	255.79	11.09
1003-H	100.66	2.11	126.90	3.29	154.87	4.86	182.60	6.74	210.23	8.90	234.70	10.92	—	—	—	—
1206-H	116.28	1.30	144.65	1.97	176.80	2.94	204.85	3.91	232.47	5.01	—	—	—	—	—	—
1003-J	127.35	1.96	162.22	3.13	197.05	4.58	231.65	6.29	266.21	8.26	300.60	10.49	—	—	—	—
1104-J	145.77	1.81	183.80	2.84	221.27	4.10	254.15	5.32	290.95	6.99	—	—	—	—	—	—
1204-J	171.88	2.99	207.67	4.27	247.43	6.09	282.29	7.85	—	—	—	—	—	—	—	—

12 F Water Temperature Range; 2 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PO	Cap.	PO	Cap.	PO	Cap.	PO	Cap.	PO	Cap.	PO	Cap.	PO	Cap.	PO
0401-A	—	—	2.99	0.68	4.12	0.82	5.66	1.11	6.95	1.57	8.49	2.37	9.78	3.12	11.05	3.99
0501-A	4.09	0.91	5.71	1.36	7.33	2.24	8.63	3.06	7.40	2.25	9.81	4.01	12.21	6.26	13.96	7.96
0501-B	5.75	0.84	8.27	1.20	10.77	2.04	12.77	2.84	11.40	2.30	14.04	3.44	17.76	5.58	20.45	7.23
0601-B	9.30	1.91	11.66	3.00	13.97	4.33	13.93	4.33	17.14	6.49	21.00	9.68	24.88	13.44	—	—
0401-C	6.13	0.61	9.41	0.74	13.14	0.97	16.89	1.33	20.65	1.99	24.36	2.79	27.32	3.48	26.47	3.25
0501-C	12.56	1.04	16.76	1.63	20.47	2.41	24.56	3.52	23.88	3.36	28.83	4.82	35.82	7.38	40.93	9.36
0602-C	15.32	1.00	19.64	1.40	23.35	1.97	23.34	1.97	30.57	3.41	37.77	5.21	43.82	6.85	52.18	9.71
0702-C	19.71	1.62	18.90	1.48	27.29	3.15	34.30	4.93	41.31	7.03	49.66	10.09	—	—	—	—
0503-D	13.03	0.60	18.66	0.70	24.35	0.84	30.78	1.04	36.44	1.28	33.60	1.14	41.29	1.64	52.26	2.66
0604-D	16.43	0.61	22.67	0.71	28.44	0.82	34.16	0.96	33.90	0.96	43.06	1.25	54.25	1.99	63.65	2.70
0702-D	29.34	1.54	27.94	1.41	38.65	2.68	50.62	4.62	61.44	6.75	74.32	9.84	85.14	12.71	—	—
0704-D	23.93	0.77	29.97	0.92	29.26	0.90	39.87	1.26	50.63	2.00	63.66	3.18	74.50	4.32	85.20	5.60
0804-D	29.10	0.95	30.66	1.00	42.83	1.64	55.11	2.70	67.43	4.02	79.58	5.60	91.51	7.36	—	—
0904-D	31.01	1.13	43.21	2.03	55.54	3.30	69.24	5.13	81.35	7.06	—	—	—	—	—	—
0804-E	45.56	1.14	47.05	1.20	65.75	2.30	84.61	3.76	105.37	5.82	122.10	7.70	140.47	10.10	—	—
0806-E	35.17	0.85	44.46	1.04	46.84	1.09	65.26	1.87	79.96	2.68	98.69	3.97	117.42	5.49	136.07	7.25
1004-F	67.48	1.39	85.01	2.18	100.44	2.96	118.00	4.07	135.16	5.35	—	—	—	—	—	—
1104-F	79.87	2.18	98.80	3.31	115.40	4.42	133.77	5.98	—	—	—	—	—	—	—	—
1004-G	83.08	1.25	102.65	1.86	125.18	2.75	147.57	3.81	167.05	4.82	188.92	6.19	—	—	—	—
1104-G	99.04	2.05	123.37	3.16	144.68	4.27	165.60	5.54	—	—	—	—	—	—	—	—
0903-H	89.75	1.01	115.25	1.64	144.20	2.57	169.88	3.53	195.47	4.64	221.10	5.89	246.71	7.29	272.24	8.83
1003-H	112.72	1.83	140.99	2.83	169.20	4.04	197.12	5.45	224.90	7.08	252.49	8.90	—	—	—	—
1206-H	127.44	1.09	159.96	1.71	188.37	2.32	216.63	3.03	—	—	—	—	—	—	—	—
1003-J	144.57	1.76	179.73	2.68	214.88	3.78	249.75	5.08	284.52	6.55	319.13	8.20	—	—	—	—
1104-J	164.31	1.61	202.48	2.41	240.45	3.37	273.54	4.29	310.50	5.54	—	—	—	—	—	—
1204-J	191.94	2.61	228.16	3.60	268.20	4.99	303.23	6.31	—	—	—	—	—	—	—	—

Legend

- Cap. — Capacity (Tons)
- EFT — Entering Fluid Temperature
- LFT — Leaving Fluid Temperature
- PD — Pressure Drop (PSIG)
- SST — Refrigerant Saturated Suction Temperature

Notes:

1. Ratings based on 35 F saturated suction temperature. Fouling factor is 0.0001.
2. Shaded selections are 2-pass. All other selections are 4-pass.
3. LTD = LFT - SST
4. Range = EFT - LFT

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Water Ratings - R-134a

6 F Water Temperature Range; 4 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	—	—	2.37	0.93	3.46	1.56	4.42	2.53	5.52	3.97	6.47	5.43	7.41	7.07
0501-A	1.94	0.87	3.06	1.55	4.19	2.90	5.31	4.68	6.33	6.66	7.16	8.42	7.97	10.37	8.60	11.96
0501-B	2.86	0.84	4.46	1.38	6.20	2.68	7.93	4.42	9.27	5.96	10.66	7.89	11.82	9.56	12.73	11.12
0601-B	4.67	1.91	6.57	3.84	8.14	5.87	9.51	8.02	10.69	10.02	12.38	13.43	—	—	—	—
0401-C	—	—	—	—	7.05	1.03	9.86	1.80	12.66	3.00	15.07	4.20	17.48	5.54	19.79	7.05
0501-C	5.70	0.94	8.69	1.74	11.68	3.17	14.39	4.82	16.81	6.47	18.92	8.10	20.29	9.36	—	—
0602-C	8.00	1.04	10.94	1.72	13.80	2.77	16.08	3.72	18.18	4.82	21.82	6.85	—	—	—	—
0702-C	10.33	1.75	13.24	2.93	15.44	3.97	18.03	5.41	23.96	9.44	—	—	—	—	—	—
0503-D	—	—	10.33	0.74	14.97	1.00	19.59	1.48	23.47	2.10	27.54	2.93	30.82	3.67	33.50	4.35
0604-D	9.11	0.64	13.67	0.80	18.20	1.02	22.60	1.38	26.03	1.82	29.04	2.23	36.18	3.50	43.21	4.91
0702-D	15.67	1.75	20.00	2.86	23.64	4.01	26.71	5.10	34.81	8.54	44.04	13.48	—	—	—	—
0704-D	13.36	0.83	17.97	1.10	21.94	1.51	25.20	2.00	31.83	3.17	39.97	4.93	—	—	—	—
0804-D	21.64	0.66	20.32	1.47	23.43	1.94	32.19	3.65	41.38	6.00	—	—	—	—	—	—
0904-D	25.08	0.94	26.05	2.18	31.18	4.15	41.36	7.33	50.04	10.54	58.56	14.27	65.65	17.65	72.60	21.37
0804-E	33.14	0.72	31.52	2.13	36.23	2.79	49.33	5.06	63.39	8.26	—	—	—	—	—	—
0806-E	32.25	0.61	28.00	1.41	33.30	1.93	41.94	2.97	54.01	4.68	69.92	7.69	82.05	10.27	94.08	13.15
1004-F	43.61	2.03	54.46	3.5	67.59	5.35	79.55	7.31	91.41	9.57	102.79	12.13	113.10	14.59	63.00	17.28
1104-F	49.38	3.31	62.39	5.17	75.19	7.45	87.72	10.12	98.76	12.78	108.74	15.30	59.72	18.03	61.47	20.96
1004-G	55.60	1.73	64.71	2.92	81.53	4.61	98.15	6.68	113.42	8.83	128.42	11.26	141.85	13.62	154.99	16.18
1104-G	61.84	2.96	76.33	4.76	92.78	6.97	109.03	9.59	123.68	12.20	137.68	15.12	150.37	17.85	78.27	20.78
0903-H	58.37	1.70	72.39	2.57	93.21	4.25	111.04	5.89	131.93	8.30	152.70	11.10	—	—	—	—
1003-H	69.66	2.47	88.67	4.49	108.03	6.51	130.55	9.56	149.89	12.39	—	—	—	—	—	—
1206-H	83.23	1.71	102.44	2.74	124.56	4.01	144.62	5.32	163.64	6.81	180.67	8.23	102.67	9.78	105.64	11.45
1003-J	86.43	2.35	110.46	3.99	138.72	6.29	163.04	8.50	191.02	11.70	—	—	—	—	—	—
1104-J	98.00	2.27	126.47	3.73	152.49	5.32	178.43	7.19	205.72	9.61	228.35	11.71	250.39	14.02	—	—
1204-J	113.30	3.60	141.25	5.50	168.77	7.79	195.63	10.45	217.62	12.70	240.42	15.57	131.95	18.25	135.91	21.12

Semi - Hermetic Compressor, Coolers & Condensers

8 F Water Temperature Range; 3 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	—	—	2.84	0.85	3.80	1.11	4.90	1.75	5.99	2.63	6.94	3.53	7.86	4.57
0501-A	2.46	0.83	3.68	1.26	4.73	2.05	5.91	3.27	6.77	4.25	7.67	5.50	8.14	6.26	9.80	8.89
0501-B	3.66	0.81	5.40	1.15	7.02	1.92	8.61	2.90	10.15	4.08	11.42	5.18	11.50	5.19	14.06	7.67
0601-B	5.81	1.68	7.41	2.70	8.94	3.96	10.29	5.27	11.25	6.33	14.00	9.67	—	—	—	—
0401-C	—	—	5.67	0.70	8.46	0.94	11.28	1.32	14.08	2.08	16.49	2.84	18.82	3.71	21.10	4.64
0501-C	7.49	0.93	10.49	1.43	13.25	2.26	15.91	3.30	18.26	4.39	20.36	5.41	22.83	6.69	—	—
0602-C	9.80	0.96	12.71	1.32	15.22	1.90	17.42	2.49	19.67	3.16	24.82	5.02	30.57	7.52	36.31	10.50
0702-C	12.20	1.40	14.59	1.99	16.75	2.62	22.23	4.67	27.49	7.02	33.45	10.26	—	—	—	—
0503-D	—	—	12.60	0.71	16.86	0.86	21.46	1.08	25.24	1.38	28.94	1.82	32.26	2.26	37.23	3.04
0604-D	11.31	0.62	15.84	0.73	19.90	0.86	23.79	1.01	27.22	1.12	30.61	1.42	38.60	2.24	47.58	3.40
0702-D	18.34	1.36	22.08	1.94	25.63	2.65	32.05	4.13	41.29	6.89	50.47	10.18	58.55	13.48	—	—
0704-D	15.65	0.76	19.92	0.92	23.35	1.07	26.64	1.26	34.74	2.11	44.01	3.37	53.21	4.94	61.17	6.46
0804-D	18.44	0.91	22.13	1.09	27.62	1.53	36.83	2.69	46.07	4.19	55.11	6.01	62.81	7.71	—	—
0904-D	24.62	0.94	27.59	1.87	36.43	3.19	46.63	5.25	55.18	7.35	62.37	9.20	69.48	11.25	—	—
0804-E	28.70	1.09	34.02	1.41	42.34	2.13	58.38	4.06	72.48	6.19	84.54	8.27	97.96	11.08	—	—
0806-E	24.03	0.86	29.89	1.04	35.09	1.25	46.67	2.12	60.65	3.45	74.64	5.08	86.72	6.66	98.67	8.45
1004-F	49.83	1.70	61.99	2.56	76.19	3.87	88.01	5.12	98.66	6.35	109.18	7.71	120.21	9.42	—	—
1104-F	57.54	2.53	71.65	3.90	83.35	5.17	95.46	6.84	105.64	8.24	56.64	10.03	58.34	11.70	—	—
1004-G	60.41	1.48	75.94	2.29	92.89	3.39	109.43	4.72	123.22	5.89	136.89	7.19	151.35	8.83	—	—
1104-G	70.33	2.30	88.54	3.64	104.94	5.07	119.52	6.52	133.84	8.14	147.80	9.94	74.65	11.61	—	—
0903-H	65.99	1.23	85.33	2.02	106.46	3.11	127.37	4.44	145.41	5.67	165.81	7.41	183.42	8.96	200.91	10.65
1003-H	81.83	2.18	103.12	3.41	125.83	5.08	145.09	6.65	163.99	8.43	182.65	10.4	200.98	12.57	—	—
1206-H	93.90	1.33	116.23	2.00	137.99	2.81	157.44	3.63	176.41	4.55	96.94	5.42	99.80	6.37	102.61	7.21
1003-J	103.98	2.05	130.55	3.16	157.00	4.51	184.98	6.29	208.72	7.92	232.2	9.72	255.35	11.69	—	—
1104-J	117.08	1.83	145.75	2.79	171.97	3.82	197.25	5.00	222.01	6.34	244.65	7.63	—	—	—	—
1204-J	134.00	2.85	162.17	4.09	188.83	5.56	212.94	7.03	234.9	8.42	125.53	10.19	129.38	11.83	133.16	13.58

Legend

- Cap. — Capacity (Tons)
- EFT — Entering Fluid Temperature
- LFT — Leaving Fluid Temperature
- PD — Pressure Drop (PSIG)
- SST — Refrigerant Saturated Suction Temperature

Notes:

1. Ratings based on 35 F saturated suction Temperature. Fouling factor is 0.0001.
2. Shaded selections are 2-pass. All other selections are 4-pass.
3. LTD = LFT - SST
4. Range = EFT - LFT

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Water Ratings - R-134a

10 F Water Temperature Range; 2.4 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	2.21	0.64	3.17	0.78	4.26	1.00	5.35	1.34	6.31	1.87	7.26	2.47	8.19	3.16
0501-A	3.06	0.83	4.11	1.09	5.30	1.68	6.32	2.39	7.19	3.06	8.15	4.00	9.00	4.85	10.66	6.75
0501-B	4.45	0.80	6.06	1.04	7.67	1.46	9.25	2.14	10.78	2.95	12.07	3.69	13.33	4.52	15.9	6.38
0601-B	6.60	1.39	8.17	2.11	9.69	3.00	11.04	3.90	13.16	5.57	15.61	7.71	18.68	10.96	—	—
0401-C	—	—	7.05	0.70	9.85	0.88	12.28	1.08	15.06	1.51	17.46	2.03	19.84	2.62	22.12	3.30
0501-C	9.00	0.90	11.98	1.19	14.69	1.80	17.32	2.53	19.51	3.18	21.53	3.92	26.33	5.78	31.19	7.95
0602-C	10.95	0.87	13.82	1.08	16.33	1.40	18.54	1.80	23.19	2.84	27.79	4.02	33.51	5.84	39.19	7.94
0702-C	13.34	1.12	15.86	1.51	18.94	2.14	25.67	3.98	30.93	5.74	36.81	8.07	42.01	10.36	—	—
0503-D	9.81	0.58	14.05	0.66	18.66	0.79	22.49	0.91	26.29	1.06	30.02	1.24	31.80	1.41	39.32	2.15
0604-D	12.51	0.59	17.02	0.67	21.02	0.76	24.93	0.86	28.37	0.96	33.92	1.13	40.97	1.62	49.93	2.40
0702-D	20.08	1.11	24.02	1.49	28.03	2.02	37.33	3.60	46.56	5.65	54.62	7.68	62.65	9.98	70.6	12.56
0704-D	17.28	0.71	21.27	0.81	24.71	0.91	29.43	1.07	39.78	1.80	47.90	2.58	56.02	3.50	64.04	4.57
0804-D	19.97	0.81	23.67	0.93	32.15	1.34	41.35	2.19	50.46	3.26	58.38	4.31	67.14	5.76	73.76	6.80
0904-D	24.22	0.97	31.28	1.52	41.48	2.68	50.23	3.89	58.85	5.34	67.17	7.01	—	—	—	—
0804-E	31.07	0.95	36.43	1.11	51.27	2.05	65.31	3.28	79.26	4.80	91.30	6.29	103.12	7.93	114.79	9.72
0806-E	25.76	0.77	31.59	0.90	37.4	1.05	51.31	1.68	63.36	2.45	77.25	3.55	89.29	4.62	102.90	6.08
1004-F	55.93	1.37	69.12	2.06	82.14	2.90	94.04	3.76	105.7	4.73	116.21	5.67	—	—	—	—
1104-F	65.21	2.11	78.08	2.98	90.70	4.00	102.13	5.02	113.11	6.15	—	—	—	—	68.28	9.76
1004-G	68.42	1.21	86.70	1.94	102.19	2.65	117.57	3.48	132.55	4.40	147.25	5.44	159.76	6.29	—	—
1104-G	80.50	1.95	98.52	2.92	113.61	3.8	128.38	4.81	143.79	6.09	—	—	—	—	87.46	9.51
0903-H	76.80	1.07	98.00	1.71	119.14	2.51	140.04	3.46	157.88	4.33	178.27	5.54	195.90	6.62	213.41	7.79
1003-H	93.92	1.83	116.89	2.83	136.47	3.78	158.56	5.15	177.46	6.40	196.09	7.78	—	—	—	—
1206-H	104.96	1.07	127.07	1.55	147.06	2.04	166.71	2.60	185.89	3.22	94.67	3.91	—	—	—	—
1003-J	119.04	1.71	145.72	2.51	174.18	3.59	200.07	4.71	225.57	5.99	249.05	7.24	—	—	—	—
1104-J	133.11	1.52	161.62	2.21	189.66	3.03	214.93	3.87	237.98	4.69	—	—	—	—	—	—
1204-J	151.02	2.33	178.80	3.23	205.72	4.27	228.20	5.14	119.42	6.26	123.21	7.48	—	—	—	—

12 F Water Temperature Range; 2 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	2.53	0.63	3.48	0.73	4.58	0.90	5.66	1.11	6.62	1.43	7.57	1.87	8.51	2.37
0501-A	3.47	0.80	4.52	0.99	5.71	1.36	6.73	1.88	7.59	2.37	8.15	2.78	9.82	4.01	11.49	5.48
0501-B	5.07	0.77	6.68	0.96	8.29	1.20	9.86	1.70	11.30	2.23	11.49	2.30	14.60	3.77	17.17	5.21
0601-B	7.20	1.15	8.91	1.76	10.31	2.34	11.60	3.00	14.69	4.84	17.14	6.50	20.21	9.00	23.26	11.86
0401-C	5.41	0.58	7.99	0.68	10.80	0.82	13.22	0.97	16.01	1.19	18.74	1.65	20.80	2.00	21.67	2.19
0501-C	10.18	0.86	13.17	1.09	15.88	1.46	18.51	2.01	20.71	2.49	23.97	3.36	28.78	4.82	33.62	6.47
0602-C	12.03	0.81	14.90	0.98	17.42	1.11	19.65	1.40	24.81	2.23	30.62	3.41	36.33	4.83	40.92	6.00
0702-C	14.59	1.02	17.09	1.23	22.25	2.07	28.26	3.35	34.22	4.94	39.46	6.48	44.67	8.19	49.84	10.09
0503-D	11.18	0.57	15.03	0.63	19.64	0.72	23.84	0.82	27.95	0.95	31.65	1.07	33.79	1.14	41.30	1.64
0604-D	13.62	0.58	18.12	0.64	22.13	0.70	26.05	0.78	29.49	0.85	36.18	1.02	43.22	1.26	52.15	1.83
0702-D	21.98	1.01	25.91	1.22	32.01	1.84	41.30	3.07	50.58	4.63	58.67	6.20	66.70	7.92	74.66	9.84
0704-D	18.58	0.67	22.59	0.75	26.04	0.82	32.13	0.98	42.44	1.43	50.57	2.01	58.71	2.68	66.83	3.46
0804-D	21.46	0.75	26.07	0.87	35.24	1.12	44.43	1.76	53.57	2.56	61.51	3.33	70.43	4.40	78.02	5.39
0904-D	25.92	0.94	34.76	1.32	44.97	2.19	53.75	3.10	62.40	4.17	70.85	5.40	—	—	—	—
0804-E	33.39	0.87	41.99	1.07	56.03	1.70	70.09	2.63	84.08	3.76	97.90	5.09	108.22	6.09	121.36	7.70
0806-E	27.00	0.71	32.89	0.81	39.88	0.94	53.78	1.30	65.83	1.87	79.75	2.68	93.54	3.62	105.50	4.52
1004-F	61.60	1.17	73.86	1.63	87.96	2.32	99.92	2.96	111.68	3.68	—	—	—	—	—	—
1104-F	70.31	1.70	83.33	2.35	96.09	3.10	108.48	3.96	—	—	—	—	—	—	—	—
1004-G	75.90	1.04	94.30	1.60	109.90	2.14	125.39	2.75	140.68	3.44	155.46	4.20	—	—	—	—
1104-G	88.68	1.66	106.81	2.39	123.25	3.16	138.16	3.92	—	—	—	—	—	—	—	—
0903-H	85.53	0.92	106.86	1.41	128.19	2.01	149.41	2.72	170.18	3.53	188.04	4.25	208.23	5.25	—	—
1003-H	105.26	1.62	126.78	2.30	149.66	3.21	169.03	4.04	188.12	4.96	206.91	5.97	—	—	—	—
1206-H	113.47	0.88	135.76	1.23	157.59	1.65	177.28	2.06	—	—	—	—	—	—	—	—
1003-J	133.15	1.50	162.06	2.20	190.64	3.03	214.92	3.78	238.91	4.62	265.64	5.79	—	—	—	—
1104-J	146.00	1.27	176.83	1.86	203.04	2.41	228.86	3.03	253.69	3.73	—	—	—	—	—	—
1204-J	165.03	1.94	193.05	2.61	220.34	3.39	244.79	4.15	—	—	—	—	—	—	153.43	7.48

Legend
 Cap. — Capacity (Tons)
 EFT — Entering Fluid Temperature
 LFT — Leaving Fluid Temperature
 PD — Pressure Drop (PSIG)
 SST — Refrigerant Saturated Suction Temperature

Notes:
 1. Ratings based on 35 F saturated suction Temperature Fouling factor is 0.0001.
 2. Shaded selections are 2-pass. All other selections are 4-pass.
 3. LTD = LFT – SST
 4. Range = EFT – LFT

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Water Ratings - R507/440A 91

6 F Water Temperature Range; 4 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	2.20	0.87	3.31	1.42	4.72	2.90	6.01	4.67	7.29	6.78	8.80	9.90	7.26	6.78
0501-A	2.67	1.17	4.28	3.04	5.74	5.42	7.17	8.42	5.70	5.43	7.37	8.89	—	—	—	—
0501-B	3.98	1.11	6.33	2.82	8.57	5.15	10.77	8.12	8.26	4.79	10.83	8.12	—	—	—	—
0601-B	6.59	3.83	8.93	7.04	11.07	10.73	9.35	7.69	—	—	—	—	—	—	—	—
0401-C	—	—	6.57	0.97	9.88	1.80	13.24	3.22	16.95	5.25	20.65	7.70	16.90	5.25	20.79	7.70
0501-C	8.09	1.50	12.02	3.33	16.14	6.03	19.75	8.85	15.66	5.62	—	—	—	—	—	—
0602-C	10.95	1.72	15.28	3.38	18.95	5.20	16.77	4.07	23.24	7.75	—	—	—	—	—	—
0702-C	14.56	3.53	11.95	2.39	18.00	5.41	24.87	10.09	—	—	—	—	—	—	—	—
0503-D	—	—	14.90	1.00	20.59	1.62	27.02	2.82	32.60	4.12	27.97	3.03	35.55	4.82	44.83	7.55
0604-D	—	—	19.24	1.09	25.01	1.66	—	—	28.34	2.15	38.49	3.95	—	—	—	—
0702-D	21.94	3.45	—	—	26.65	5.09	37.27	9.84	—	—	—	—	—	—	—	—
0704-D	18.64	1.14	24.68	1.89	—	—	31.93	3.16	42.64	5.59	—	—	—	—	—	—
0804-D	22.90	1.87	—	—	32.19	3.64	44.36	6.89	—	—	—	—	—	—	—	—
0904-D	—	—	31.04	4.14	43.22	7.94	55.35	12.71	67.42	18.54	—	—	—	—	—	—
0804-E	35.15	2.61	32.81	2.29	51.30	5.54	67.93	9.46	—	—	—	—	—	—	—	—
0806-E	29.32	1.51	38.53	2.52	39.70	2.67	56.18	5.06	74.87	8.67	93.34	13.14	108.24	16.99	—	—
1004-F	43.98	2.33	58.76	4.07	73.66	6.29	88.60	8.98	105.54	12.81	—	—	—	—	—	—
1104-F	52.71	3.74	69.95	6.55	85.92	9.76	101.86	13.60	—	—	—	—	—	—	—	—
1004-G	—	—	68.42	3.26	87.37	5.26	106.43	7.72	128.21	11.26	147.30	14.70	—	—	—	—
1104-G	62.05	3.16	82.57	5.54	103.09	8.56	123.64	12.20	144.11	16.46	—	—	—	—	—	—
0903-H	72.00	2.57	74.51	2.72	97.52	4.64	119.21	6.81	144.29	9.94	—	—	—	—	—	—
1003-H	69.96	2.83	93.40	4.96	117.10	7.66	141.11	10.93	—	—	—	—	—	—	—	—
1206-H	85.71	1.94	113.38	3.35	141.19	5.12	166.77	7.04	—	—	—	—	—	—	—	—
1003-J	86.96	2.51	116.20	4.41	147.92	7.08	179.96	10.36	—	—	—	—	—	—	—	—
1104-J	101.64	2.41	133.79	4.10	170.59	6.69	202.99	9.32	235.46	12.36	—	—	—	—	—	—
1204-J	120.82	4.04	157.94	6.88	192.64	10.10	227.22	13.90	—	—	—	—	—	—	—	—

8 F Water Temperature Range; 3 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	2.68	0.81	3.94	1.14	5.35	2.10	6.65	3.21	8.17	4.93	6.62	3.22	8.22	4.93
0501-A	3.49	1.13	5.10	2.42	6.56	3.98	7.99	5.93	6.57	3.99	8.96	7.52	10.68	10.37	—	—
0501-B	5.10	1.10	7.34	2.10	9.59	3.58	11.80	5.46	10.14	4.08	12.74	6.38	15.93	9.81	—	—
0601-B	8.12	3.29	10.45	5.46	8.53	3.62	11.68	6.77	15.50	11.85	—	—	—	—	—	—
0401-C	5.18	0.67	8.44	0.94	11.77	1.44	15.52	2.52	18.88	3.71	22.55	5.25	19.74	4.07	24.45	6.12
0501-C	10.74	1.51	14.44	2.69	18.56	4.52	14.43	2.70	20.30	5.41	25.23	8.10	—	—	—	—
0602-C	13.47	1.47	17.48	2.49	14.57	1.73	20.44	3.40	27.58	6.21	33.59	8.95	—	—	—	—
0702-C	17.11	2.75	15.47	2.23	22.37	4.67	30.00	8.34	—	—	—	—	—	—	—	—
0503-D	—	—	16.90	0.86	23.35	1.18	29.04	1.82	24.19	1.28	31.75	2.19	41.00	3.68	48.74	5.07
0604-D	15.31	0.72	21.53	0.92	27.27	1.12	22.76	0.96	31.82	1.52	42.96	2.79	52.28	4.07	—	—
0702-D	25.39	2.58	22.69	2.06	33.34	4.48	45.15	8.22	55.92	12.33	—	—	—	—	—	—
0704-D	21.38	0.98	27.35	1.32	26.62	1.26	37.25	2.43	48.05	4.00	58.81	5.93	—	—	—	—
0804-D	—	—	27.50	1.53	39.63	3.15	51.85	5.36	62.75	7.70	—	—	—	—	—	—
0904-D	25.88	1.65	38.02	3.49	51.66	6.45	62.42	9.20	74.35	12.90	—	—	—	—	—	—
0804-E	—	—	42.17	2.13	60.78	4.38	79.45	7.41	97.95	11.07	—	—	—	—	—	—
0806-E	32.84	1.10	—	—	46.63	2.12	61.18	3.44	79.90	5.68	98.66	8.44	117.04	11.68	—	—
1004-F	52.92	1.90	67.87	3.05	85.11	4.79	100.04	6.54	114.99	8.55	—	—	—	—	—	—
1104-F	63.78	3.10	80.01	4.79	96.14	6.84	112.10	9.24	—	—	—	—	—	—	—	—
1004-G	64.12	1.67	83.10	2.75	102.27	4.10	121.39	5.71	140.58	7.59	159.71	9.71	—	—	—	—
1104-G	77.98	2.86	98.72	4.51	119.27	6.52	139.79	8.89	—	—	—	—	—	—	—	—
0903-H	68.15	1.31	89.59	2.22	114.59	3.62	136.49	5.04	161.69	7.05	186.96	9.37	212.18	12.01	—	—
1003H	86.53	2.43	112.16	4.04	136.09	5.84	163.49	8.43	187.70	10.93	—	—	—	—	—	—
1206-H	102.41	1.57	132.24	2.60	160.04	3.75	187.58	5.12	—	—	—	—	—	—	—	—
1003-J	109.80	2.27	139.57	3.59	173.66	5.55	207.83	7.92	238.10	10.20	—	—	—	—	—	—
0401-J	126.55	2.13	159.14	3.29	196.05	5.00	228.52	6.69	—	—	—	—	—	—	—	—
1204-J	148.04	3.44	185.40	5.37	220.09	7.48	—	—	—	—	—	—	—	—	—	—

Legend

- Cap. — Capacity (Tons)
- EFT — Entering Fluid Temperature
- LFT — Leaving Fluid Temperature
- PD — Pressure Drop (PSIG)
- SST — Refrigerant Saturated Suction Temperature

Notes:

1. Ratings based on 35 F saturated suction Temperature. Fouling factor is 0.0001.
2. Shaded selections are 2-pass. All other selections are 4-pass.
3. LTD = LFT - SST
4. Range = EFT - LFT

Semi - Hermetic Compressor, Coolers & Condensers

10RT SERIES DX COOLERS (7-1/2 TO 350 NOMINAL TONS)

Water Ratings - R507/440A 91

10 F Water Temperature Range; 2.4 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	—	—	3.16	0.78	4.42	1.03	5.97	1.68	7.26	2.47	8.54	3.41	7.55	2.69	9.43	4.22
0501-A	4.28	1.10	5.74	1.95	7.33	3.23	5.74	1.95	7.79	3.61	9.85	5.77	12.26	8.89	14.68	12.63
0501-B	6.06	1.04	8.31	1.72	10.78	2.94	8.30	1.72	11.46	3.31	14.64	5.42	17.83	7.94	—	—
0601-B	9.13	2.64	11.27	4.03	10.13	3.24	13.98	6.24	17.82	10.09	—	—	—	—	—	—
0401-C	6.59	0.67	9.88	0.88	13.23	1.15	17.01	1.92	20.71	2.87	17.86	2.14	22.56	3.43	27.30	4.92
0501-C	12.60	1.31	16.75	2.35	20.36	3.48	17.97	2.71	23.89	4.82	28.88	6.82	—	—	—	—
0602-C	15.30	1.22	18.97	1.87	17.52	1.59	24.70	3.21	30.69	4.91	37.90	7.38	45.15	10.34	—	—
0702-C	12.87	1.08	19.70	2.33	27.39	4.53	34.36	7.02	42.70	10.77	—	—	—	—	—	—
0503-D	13.95	0.66	19.60	0.82	25.28	1.02	30.87	1.32	26.26	1.06	35.48	1.75	44.83	2.80	54.13	4.08
0604-D	17.07	0.67	23.70	0.83	28.89	0.98	27.12	0.93	36.20	1.28	45.46	1.99	56.73	3.09	67.89	4.43
0702-D	—	—	29.20	2.22	39.94	4.13	50.76	6.64	63.66	10.38	74.33	13.95	—	—	—	—
0704-D	23.88	0.89	—	—	30.66	1.12	42.47	2.04	53.29	3.18	64.17	4.56	74.78	6.14	—	—
0804-D	—	—	32.19	1.34	44.40	2.52	57.92	4.30	67.62	5.75	—	—	—	—	—	—
0904-D	31.17	1.52	44.83	3.13	57.09	5.02	69.04	7.35	—	—	—	—	—	—	—	—
0804-E	32.91	1.00	51.37	2.04	70.07	3.75	88.91	5.96	105.45	8.27	121.87	10.88	—	—	—	—
0806-E	35.15	0.98	35.13	0.98	51.42	1.68	69.93	2.97	88.55	4.62	103.41	6.07	121.78	8.30	—	—
1004-F	61.62	1.66	76.72	2.51	93.97	3.76	108.89	4.99	—	—	—	—	—	—	—	—
1104-F	73.33	2.64	89.57	3.87	105.65	5.33	—	—	—	—	—	—	—	—	—	—
1004-G	75.41	1.48	94.63	2.29	114.05	3.26	135.74	4.65	152.14	5.71	—	—	—	—	—	—
1104-G	90.45	2.46	111.36	3.67	131.89	5.11	152.03	6.79	—	—	—	—	—	—	—	—
0903-H	80.99	1.18	106.05	2.02	128.18	2.87	153.47	4.10	178.65	5.54	203.61	7.19	—	—	—	—
1003-H	102.77	2.21	130.49	3.53	154.66	4.86	178.64	6.40	205.59	8.52	—	—	—	—	—	—
1206-H	116.51	1.30	144.48	1.97	172.08	2.77	—	—	—	—	—	—	—	—	—	—
1003-J	127.77	1.96	162.38	3.13	196.80	4.58	226.78	5.99	260.51	7.92	—	—	—	—	—	—
1104-J	146.11	1.81	183.71	2.84	216.12	3.87	248.18	5.06	—	—	—	—	—	—	—	—
1204-J	171.92	2.99	206.87	4.27	241.04	5.76	—	—	—	—	—	—	—	—	—	—

12 F Water Temperature Range; 2 GPM/TON

UNIT 10RT	LEAVING TEMPERATURE DIFFERENCE (LTD) (F)															
	5		6		7		8		9		10		11		12	
	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD	Cap.	PD
0401-A	2.37	0.61	3.49	0.73	4.89	0.96	6.30	1.29	7.58	1.87	8.86	2.54	8.21	2.20	10.10	3.33
0501-A	4.71	1.04	6.17	1.55	7.76	2.50	6.93	2.00	8.99	3.36	11.40	5.46	13.15	7.09	15.57	9.87
0501-B	6.98	1.00	9.21	1.48	11.43	2.29	10.14	1.81	12.77	2.84	16.51	4.81	19.71	6.80	22.93	9.07
0601-B	10.05	2.25	8.56	1.61	12.39	3.42	15.61	5.35	19.45	8.34	23.31	11.86	—	—	—	—
0401-C	—	0.66	11.28	0.85	15.01	1.11	18.37	1.56	21.72	2.18	20.63	2.00	24.58	2.80	30.13	4.20
0501-C	14.33	1.19	18.01	1.87	15.56	1.40	21.49	2.71	26.47	4.07	33.45	6.47	38.54	8.34	—	—
0602-C	16.72	1.09	14.59	0.95	20.46	1.51	27.67	2.79	34.89	4.46	40.91	6.00	48.10	8.22	—	—
0702-C	16.25	1.11	23.15	2.23	30.87	3.98	37.86	5.95	46.13	8.80	53.07	11.47	—	—	—	—
0503-D	14.99	0.63	20.64	0.74	27.03	0.92	31.93	1.07	29.92	1.00	39.18	1.49	48.56	2.29	57.92	3.26
0604-D	18.22	0.64	24.83	0.75	—	—	29.48	0.85	38.61	1.09	49.76	1.68	59.11	2.33	70.36	3.31
0702-D	22.70	1.04	34.48	2.15	45.28	3.69	56.13	5.65	66.89	7.92	79.57	11.23	—	—	—	—
0704-D	25.25	0.80	24.06	0.77	34.63	1.06	45.33	1.61	56.14	2.44	69.08	3.73	79.70	4.95	—	—
0804-D	24.62	0.82	36.74	1.22	48.95	2.14	61.16	3.32	73.28	4.77	—	—	—	—	—	—
0904-D	36.28	1.44	48.52	2.53	62.08	4.16	72.91	5.65	—	—	—	—	—	—	—	—
0804-E	39.83	1.01	56.42	1.70	75.17	2.98	93.95	4.62	112.46	6.61	—	—	—	—	—	—
0806-E	36.43	0.87	39.75	0.94	56.07	1.41	72.59	2.26	89.25	3.29	107.76	4.70	—	—	—	—
1004-F	67.67	1.39	84.97	2.18	100.11	2.96	117.18	4.07	—	—	—	—	—	—	—	—
1104-F	79.88	2.18	98.39	3.31	114.47	4.42	—	—	—	—	—	—	—	—	—	—
1004-G	83.36	1.25	102.73	1.86	124.90	2.75	144.23	3.62	—	—	—	—	—	—	—	—
1104-G	99.15	2.05	121.59	3.06	143.75	4.27	—	—	—	—	—	—	—	—	—	—
0903-H	93.49	1.10	118.77	1.76	144.20	2.57	169.48	3.53	191.66	4.44	216.73	5.67	—	—	—	—
1003-H	116.59	1.98	141.01	2.83	168.72	4.04	195.94	5.45	—	—	—	—	—	—	—	—
1206-H	127.58	1.09	155.58	1.59	183.35	2.19	—	—	—	—	—	—	—	—	—	—
1003-J	145.01	1.76	179.78	2.68	214.32	3.78	244.50	4.85	—	—	—	—	—	—	—	—
1104-J	164.53	1.61	202.03	2.41	234.87	3.20	—	—	—	—	—	—	—	—	—	—
1204-J	186.76	2.44	226.80	3.60	—	—	—	—	—	—	—	—	—	—	—	—

Legend

- Cap. — Capacity (Tons)
- EFT — Entering Fluid Temperature
- LFT — Leaving Fluid Temperature
- PD — Pressure Drop (PSIG)
- SST — Refrigerant Saturated Suction Temperature

Notes:

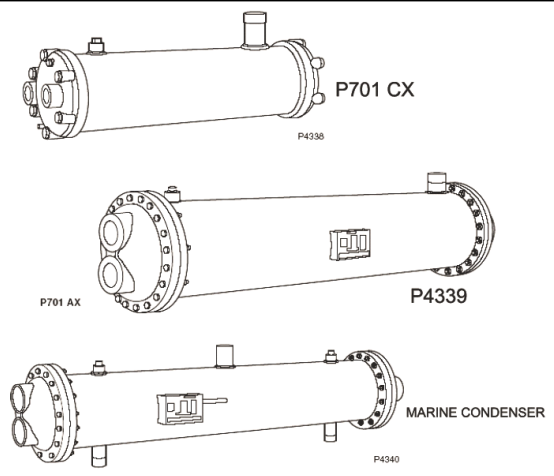
1. Ratings based on 35 F saturated suction Temperature. Fouling factor is .0001.
2. Shaded selections are 2-pass. All other selections are 4-pass.
3. LTD = LFT - SST
4. Range = EFT - LFT

10RT SERIES DX COOLERS

Part Number	Condenser Head		Gasket
	Front	Rear	
10RT0401 A 147AB	HEAD0026223	HEAD0026216	GASKE010180
10RT0501 A 147AB	HEAD0026223	HEAD0026216	GASKE010180
10RT0501 B 147AB	HEAD0026111	HEAD0026135	GASKE010254
10RT0401 C 247AB	HEAD0025732	HEAD0025651	GASKE010247
10RT0501 C 247AB	HEAD0025732	HEAD0025651	GASKE010247
10RT0602 C 227AB	HEAD0025763	HEAD0025787	GASKE010247
10RT0702 C 227AB	HEAD0025763	HEAD0025787	GASKE010247
10RT0704 D 227AB	HEAD0025594	HEAD0025363	GASKE010216
10RT0804 D 227AB	HEAD0025594	HEAD0025363	GASKE010216
10RT0904 D 227AB	HEAD0025594	HEAD0025363	GASKE010216
10RT0804 E 227AB	HEAD0026142	HEAD0026166	GASKE010209
10RT1004 F 227AB	HEAD0026366	HEAD0026373	GASKE010223
10RT0601 B 147AB	HEAD0026111	HEAD0026135	GASKE010254
10RT0503 D 247AB	HEAD0010423	HEAD0025363	GASKE010216
10RT0604 D 247AB	HEAD0010423	HEAD0025363	GASKE010216
10RT0702 D 227AB	HEAD0025594	HEAD0025363	GASKE010216
10RT0806 E 227AB	HEAD0026142	HEAD0026166	GASKE010209
10RT1104 F 227AB	HEAD0026366	HEAD0026373	GASKE010223
10RT1004 G 227AB	HEAD0026492	HEAD0026511	GASKE016245
10RT1104 G 227AB	HEAD0026492	HEAD0026511	GASKE016245
10RT0903 H 227AB	HEAD0026528	HEAD0026454	GASKE016340
10RT1003 H 227AB	HEAD0026528	HEAD0026454	GASKE016340
10RT1205 H 227AB	HEAD0026528	HEAD0026454	GASKE016340
10RT1003 J 227AB	HEAD0011183	HEAD0021873	GASKE016238
10RT1104 J 227AB	HEAD0011183	HEAD0021873	GASKE016238
10RT1204 J 227AB	HEAD0011183	HEAD0021873	GASKE016238
10RT0902 L 227AB	HEAD0020906	COVER005369	GASKE015473
10RT1002 L 227AB	HEAD0026430	HEAD0026454	GASKE009930
10RT1103 L 227AB	HEAD0026430	HEAD0026454	GASKE009930
10RT1203 L 227AB	HEAD0026430	HEAD0026454	GASKE009930

Semi - Hermetic Compressor, Coolers & Condensers

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)



Totaline's water-cooled condensers are designed for a wide range of applications and are available in many models ranging from 5 to 400 nominal tons. Small and large condensers are available for fresh water applications while marine condensers can be special ordered for sea water applications.

Features/Benefits

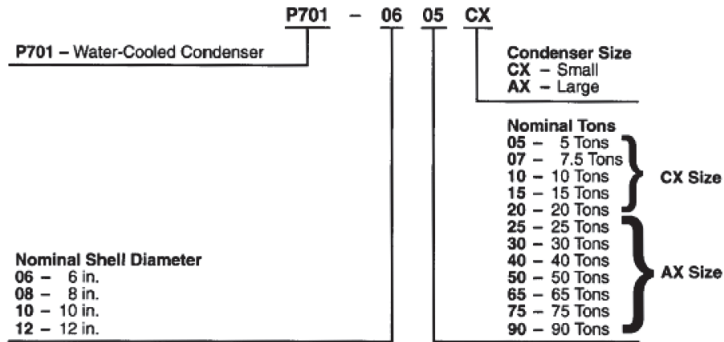
There are many standard condensers to choose from in small and large sizes. In addition, special ordered marine condensers for sea water applications can be ordered through Totaline's part stores. Totaline's condensers offer the following features and benefits:

- All condensers conform to ASME specifications.
- Shells are shot blasted and cleaned prior to assembly.
- Quality steel tube supports are made to close tolerance to minimize vibration.
- Exterior surfaces are cleaned and painted with a high quality enamel primer.
- Steel refrigerant connections are bored to accept outside diameter of sweat copper tubing.
- Relief, vent and drain connections are provided.

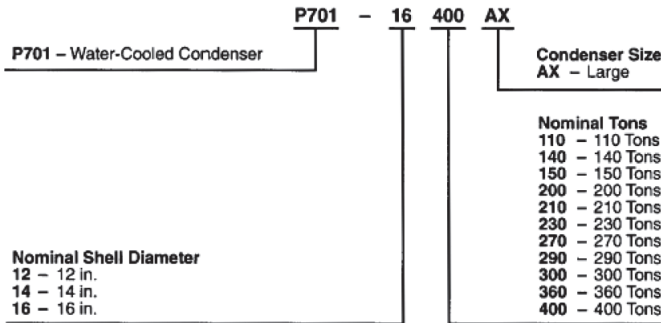
P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Model Number Nomenclature

05 To 09 Nominal Tons



110 TO 400 NOMINAL TONS

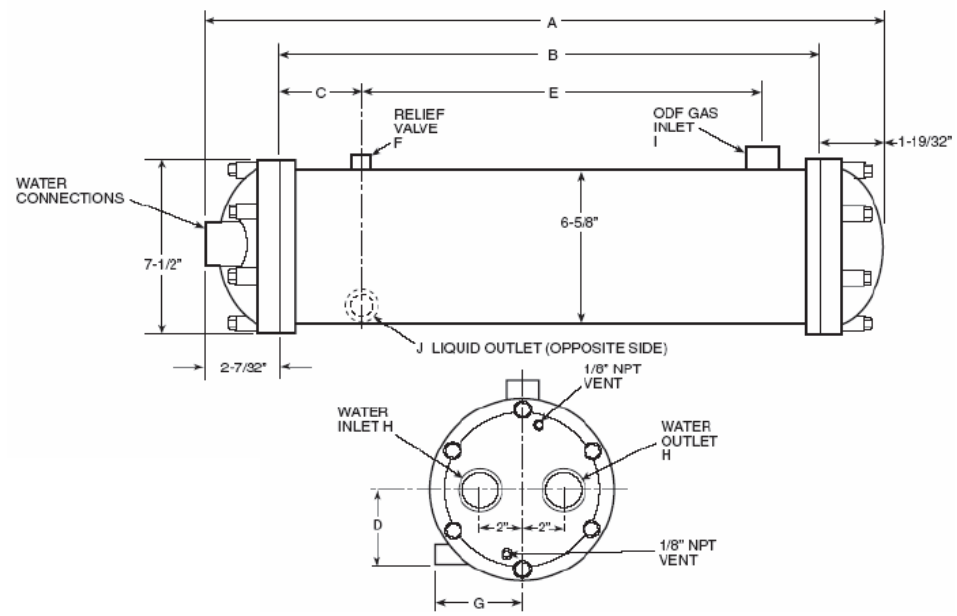


P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Physical Data and Dimensions

P701 CX Fresh Water Condensers

UNIT P701-CX



LEGEND
 FPT -- Female Pipe Thread
 NPT -- National Pipe Thread
 ODF -- Outside Diameter Female

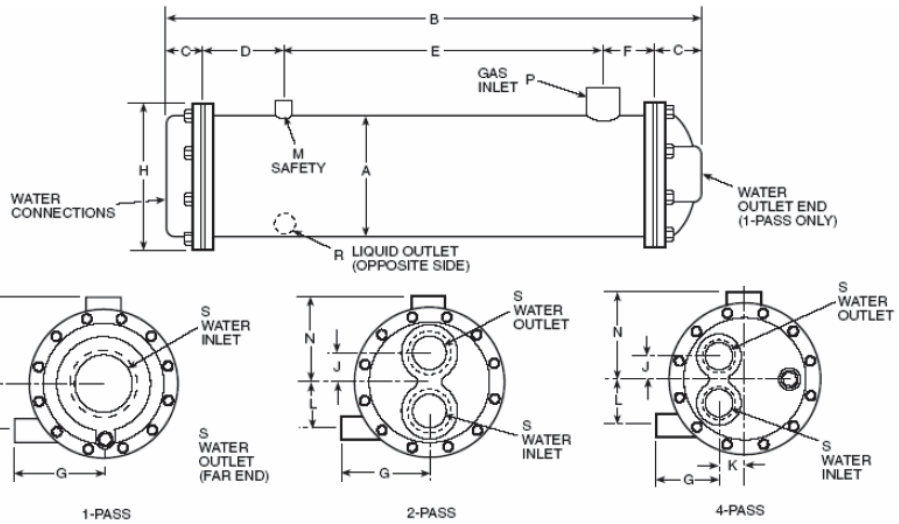
Part Number	Unit P701	A	B	C	D	E	F FPT	G	H FPT	I ODF	J ODF	Weight (lb)
P701-0605CX	0605CX	27-9/16	23-3/4	3-1/2	2	16-3/8	1/2	4-13/16	1	1-5/8	1-1/8	100
P701-0607CX	0607CX	27-9/16	23-3/4	3-1/2	2	16-3/8	1/2	4-13/16	1	1-5/8	1-1/8	105
P701-0610CX	0610CX	39-9/16	35-3/4	3-1/2	2	28-3/8	1/2	4-13/16	1-1/4	1-5/8	1-1/8	130
P701-0615CX	0615CX	51-9/16	47-3/4	3-1/2	2	40-3/8	1/2	4-13/16	1-1/4	1-5/8	1-1/8	160
P701-0620CX	0620CX	51-9/16	47-3/4	3-1/2	2	40-3/8	1/2	4-13/16	1-1/4	1-5/8	1-1/8	170

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Physical Data and Dimensions

P701 CX Fresh Water Condensers

UNIT P701-AX



FPT — Female Pipe Thread
 ODF — Outside Diameter Female
 *125 lb flat face flange.
 †150 lb raised face flange.

Part Number	A Dia	B	C	D	E	F	G	H	J	L	M FPT	N	P ODF	R ODF	S	Weight (lb)
P701-0625AX	6-5/8	63-13/16	2-1/32	3-1/2	52-3/8	3-7/8	4-13/16	7-1/2	1-1/2	2-5/8	2-5/8	6-5/16	1-5/8	1-1/8	2	170
P701-0630AX	6-5/8	63-13/16	2-1/32	3-1/2	52-3/8	3-7/8	4-13/16	7-1/2	1-1/2	2-5/8	2-5/8	6-5/16	2-1/8	1-3/8	2	195
P701-0840AX	8-5/8	66	3-1/8	3-1/2	52-3/8	3-7/8	5-13/16	9-11/16	1-7/8	3-13/32	3-13/32	7-5/16	2-1/8	1-3/8	2-1/2	300
P701-0850AX	8-5/8	78	3-1/8	3-1/2	64-3/8	3-7/8	5-13/16	9-11/16	1-7/8	3-13/32	3-13/32	7-5/16	2-1/8	1-3/8	2-1/2	340
P701-1065AX	10-3/4	69-1/8	4-11/16	3-3/4	52	4	6-7/8	13-3/4	2-1/4	4-1/4	4-1/4	8-3/8	2-5/8	1-5/8	3	460
P701-1075AX	10-3/4	81-1/8	4-11/16	3-3/4	64	4	6-7/8	13-3/4	2-1/4	4-1/4	4-1/4	8-3/8	2-5/8	1-5/8	3	475
P701-1290AX	12-3/4	69	4-5/8	4-3/16	50-15/16	4-5/8	7-7/8	15-3/4	2-5/8	5-1/4	5-1/4	9-3/8	2-5/8	1-5/8	4	590
P701-12110AX	12-3/4	81	4-5/8	4-3/8	62-7/16	4-15/16	7-7/8	15-3/4	2-5/8	5-1/16	5-1/16	9-3/8	3-1/8	2-1/8	4	665
P701-12140AX	12-3/4	108	6-1/8	4-3/8	86-7/16	4-15/16	7-7/8	15-3/4	—	5-1/16	5-1/16	9-3/8	3-1/8	2-1/8	6*	855
P701-12150AX	12-3/4	108	6-1/8	4-3/8	86-7/16	4-15/16	7-7/8	15-3/4	—	5-1/16	5-1/16	9-3/8	3-1/8	2-1/8	6*	890
P701-12200AX	12-3/4	132	6-1/8	4-3/8	110-3/16	5-3/16	7-7/8	15-3/4	—	5-1/16	5-1/16	9-3/8	3-5/8	2-1/8	6*	1060
P701-14140AX	14	69	5-1/8	4-3/8	50-7/16	4-15/16	8-1/2	17-7/8	4-1/2	5-9/16	5-9/16	10	3-1/8	2-1/8	4*	895
P701-14165AX	14	81	5-1/8	4-3/8	62-7/16	4-15/16	8-1/2	17-7/8	4-1/2	5-9/16	5-9/16	10	3-5/8	2-1/8	4*	1410
P701-14210AX	14	115-3/8	9-11/16	4-5/8	85-11/16	5-7/16	8-1/2	17-7/8	—	5-7/16	5-7/16	10	4-1/8	2-5/8	6†	1240
P701-14270AX	14	139-3/8	9-11/16	4-5/8	109-11/16	5-7/16	8-1/2	17-7/8	—	5-7/16	5-7/16	10	4-1/8	2-5/8	6†	1420
P701-14290AX	14	139-3/8	9-11/16	4-5/8	109-11/16	5-7/16	8-1/2	17-7/8	—	5-7/16	5-7/16	10	4-1/8	2-5/8	6†	1480
P701-16200AX	16	69	5-1/8	4-5/8	49-11/16	5-7/16	9-1/2	19-7/8	5	6-1/2	6-1/2	11	3-5/8	2-1/8	5*	1220
P701-16210AX	16	81	5-1/8	4-7/8	61-3/16	5-11/16	9-1/2	19-7/8	5	6-7/16	6-7/16	11	4-1/8	2-5/8	5*	1190
P701-16230AX	16	81	5-1/8	4-7/8	61-3/16	5-11/16	9-1/2	19-7/8	5	6-7/16	6-7/16	11	4-1/8	2-5/8	5*	1360
P701-16300AX	16	120-1/2	12-3/8	4-7/8	84-5/8	6-1/4	9-1/2	19-7/8	—	5-7/8	5-7/8	11	5-1/8	3-1/8	8†	1723
P701-16360AX	16	144-1/2	12-3/8	4-7/8	108-5/8	6-1/4	9-1/2	19-7/8	—	5-7/8	5-7/8	11	5-1/8	3-1/8	8†	1825
P701-16400AX	16	144-1/2	12-3/8	4-7/8	108-5/8	6-1/4	9-1/2	19-7/8	—	5-7/8	5-7/8	11	5-1/8	3-1/8	8†	2085

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Selection and Rating Notes

1. Condenser Tables:

Condenser Capacity and Flow Rate Tables are based on R-22, R-134a, and R507/404A refrigerant. Ratings include ARI standard .00025 fouling factor.

2. Ratings:

Ratings show conditions where fluid velocity, pressure drop, and tube sheet impingement are within acceptable range under continuous duty.

NOTE: To avoid reduction in service life, do not exceed flow rates shown in table.

3. Determine Total Heat of Compression:

Table ratings show total heat of rejection (THR) at 14,400 Btuh per ton. The THR is derived from the total heat load at the evaporator of 12,000 Btuh per ton plus 20% which is the average heat of compression (a.c. duty). To calculate Total Heat of Compression for semi-hermetic compressors, add the low side heat load to the heat produced by the compressor which equates to: Full load kW x 3413 kW per Btuh To calculate Total Heat of Compression for open-drive compressors, add the low side heat load to the heat produced by the compressor which equates to: Brake Horsepower x 2544 Btuh per HP

4. Greatest Temperature Difference (GTD):

GTD is the difference between the entering water temperature and saturated condensing temperature.

5. Condenser Water Flow:

Condenser water flow from cooling towers is typically based on 10 degree temperature change across the condenser. This equals 3 gallon per minute (GPM) per ton. Tower water temperatures are based on wet bulb and capacity of tower cell. Typical tower temperature is 85 F but can vary by geographic areas or tower cell design. City water cooling usually specifies less water with a 20 F temperature difference across the condenser, or 1.5 GPM per ton.

6. Fouling Factors:

Condenser Capacity and Flow Rate Tables include ARI standard .00025 fouling factor. The amount of fouling varies with the quality of cooling water and the velocity in which it moves through the tubes. The lower the velocity, the greater the chance is to produce tubeside fouling. For additional information on fouling factors or for applications that fall outside the values shown in the tables, contact Totaline Sales Representative.

UNIT P701-	NOMINAL TONS	THR (Btuh)	GPM	PRESSURE DROP	No. PASSES	SURFACE (sq ft)	PUMP DOWN (lb)
0605CX	5	87,846	15	4.8	6	6.1	17
0607CX	7.5	1,19,869	22.5	7.4	6	7.5	15.7
0610CX	10	1,74,765	30	5.1	4	11.8	24.1
0615CX	15	2,73,709	45	11	4	17.6	31.2
0620CX	20	3,53,820	60	13.5	4	21.9	27.1
0625AX	25	3,71,578	75	4.7	2	22.3	39.3
0630AX	30	4,37,433	90	5.2	2	26.1	35.9
0840AX	40	6,08,148	120	4.5	2	37.1	70.4
0850AX	50	7,70,641	150	7.5	2	45	84.8
1065AX	65	9,44,411	195	5.2	2	55.7	111.2
1075AX	75	11,55,961	225	7.6	2	67.5	134.2
1290AX	90	13,12,300	270	6	2	78	158.5
12110AX	110	16,45,759	330	9.6	2	94.5	191.5
12140AX	140	20,27,756	420	2.1	1	127.5	257.7
12150AX	150	21,87,086	450	2.1	1	139.6	246.6
12200AX	200	29,67,634	600	4.1	1	175.6	309.8
14140AX	140	20,37,996	420	5.6	2	120.7	160.7
14165AX	165	25,18,541	495	8.4	2	146.2	194.2
16200AX	200	29,02,774	600	5.5	2	170.9	201.9
14210AX	210	30,86,396	630	2.3	1	197.3	261.3
16210AX	210	31,96,081	630	7.9	2	184.5	264.7
16230AX	230	35,44,948	690	7.8	2	206.9	244
14270AX	270	39,22,026	810	4.8	1	229.2	345.8
14290AX	290	42,24,263	870	4.9	1	248.4	328.3
16300AX	300	43,74,171	900	2.2	1	279.2	328.3
16360AX	360	52,98,332	1080	4.2	1	313.3	447.4
16400AX	400	59,35,269	1200	4.2	1	351.5	412.5

Notes:

- Nominal tons per ARI standards. ARI Standards include R-22 service at 105 F condensing temp, 85 F inlet cooling water, 14,400 Btuh/ton, .00025 total fouling factor.
- P701-0615CX, P701-0620CX, P701-1290AX, P701-12110AX, P701-14165AX and P701-16210AX units have excessive velocity at ARI Standard flow rate. Flow rate shown is within acceptable velocity limits.
- Pump down capacities based on 80% of free shell volume with R-22 at 90 F (per ARI standards).
- Consult Totaline sales representative for marine condenser capacities

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Condenser Capacity And Flow Rates-R-22 (at 105 F)

Condensing Temperature With .00025 Total Fouling Factor

UNIT 701	GPM	Δp	TOTAL HEAT OF REJECTION AT SPECIFIED GTD (F)					
			15° GTD	20° GTD	25° GTD	30° GTD	35° GTD	40° GTD
0605CX	4	0.4	25,876	34,346	42,623	50,894	59,047	67,175
	7	1.2	40,573	53,575	66,384	79,002	91,433	103,691
	10	2.3	52,268	68,835	85,046	1,00,906	1,16,676	1,31,981
	13	3.7	61,854	80,982	1,00,018	1,18,330	1,36,385	1,54,717
	16	5.5	69,544	91,211	1,12,212	1,32,917	1,53,006	1,72,113
	19	7.5	76,284	99,334	1,22,457	1,44,354	1,65,956	1,87,291
	22	9.9	81,725	1,06,541	1,30,963	1,53,913	1,77,705	2,00,067
0607CX	8	1.1	47,149	62,256	77,174	91,893	1,06,399	1,20,699
	11	2.0	59,478	78,384	96,924	1,15,096	1,33,011	1,50,692
	14	3.1	69,930	91,849	1,13,217	1,34,266	1,55,035	1,75,071
	17	4.4	78,722	1,03,175	1,26,925	1,50,325	1,73,419	1,95,531
	20	6.0	86,329	1,12,806	1,38,858	1,64,108	1,89,023	2,13,636
	23	7.8	92,626	1,21,152	1,48,694	1,76,400	2,02,651	2,28,576
	26	9.7	98,283	1,28,605	1,57,814	1,86,617	2,13,715	2,40,462
0610CX	10	0.7	62,373	82,660	1,02,457	1,22,287	1,41,818	1,60,973
	15	1.5	85,363	1,12,618	1,39,447	1,65,852	1,91,893	2,17,417
	20	2.5	1,04,246	1,37,064	1,69,356	2,01,201	2,32,648	2,63,167
	25	3.7	1,20,229	1,57,722	1,94,628	2,30,151	2,65,167	2,99,727
	30	5.2	1,33,498	1,74,765	2,15,383	2,54,191	2,92,454	3,30,227
	35	6.9	1,44,917	1,89,123	2,32,616	2,74,693	3,17,053	3,57,244
	40	8.8	1,54,191	2,02,443	2,48,020	2,92,947	3,37,309	3,79,093
0615CX	15	1.5	97,523	1,28,183	1,60,807	1,91,540	2,22,649	2,52,631
	20	2.6	1,22,585	1,61,948	2,00,943	2,39,541	2,77,305	3,14,905
	25	3.8	1,44,524	1,90,575	2,35,938	2,80,611	3,24,664	3,68,164
	30	5.4	1,63,696	2,15,528	2,66,356	3,16,465	3,65,659	4,14,241
	35	7.1	1,80,523	2,37,619	2,93,047	3,47,672	4,01,108	4,53,874
	40	9.0	1,95,650	2,56,985	3,16,774	3,74,406	4,32,610	4,88,748
	45	11.2	2,08,992	2,73,709	3,36,575	3,98,539	4,59,727	5,20,228
0620CX	15	1.1	1,01,136	1,34,027	1,66,805	1,99,111	2,31,647	2,63,717
	20	1.8	1,28,374	1,70,328	2,11,585	2,52,256	2,92,405	3,32,450
	25	2.8	1,53,231	2,02,435	2,51,179	2,99,427	3,46,631	3,93,631
	30	3.8	1,75,497	2,31,510	2,86,665	3,41,092	3,94,800	4,47,790
	35	5.1	1,95,393	2,57,457	3,18,265	3,78,366	4,37,215	4,95,867
	40	6.5	2,13,379	2,80,670	3,46,918	4,11,868	4,75,987	5,38,365
	45	8.1	2,29,519	3,01,699	3,72,792	4,41,714	5,09,707	5,76,875
0625AX	25	0.7	1,43,279	1,89,183	2,34,342	2,78,853	3,22,685	3,65,918
	35	1.2	1,82,367	2,39,870	2,96,448	3,52,230	4,07,298	4,60,716
	45	1.9	2,14,674	2,81,873	3,47,257	4,12,496	4,75,260	5,37,191
	55	2.7	2,41,762	3,16,860	3,89,648	4,62,572	5,32,195	6,00,918
	65	3.7	2,65,014	3,46,304	4,26,315	5,02,128	5,80,044	6,50,648
	75	4.8	2,83,919	3,71,578	4,56,014	5,39,267	6,17,577	6,94,849
	85	6.0	3,00,803	3,91,753	4,83,509	5,69,523	6,54,414	7,38,299
0630AX	30	0.7	1,70,758	2,25,374	2,79,128	3,32,028	3,84,176	4,35,634
	40	1.2	2,09,945	2,76,499	3,41,625	4,05,807	4,68,118	5,29,518
	50	1.8	2,42,650	3,19,222	3,93,855	4,66,584	5,37,416	6,09,117
	60	2.5	2,71,334	3,56,215	4,38,635	5,19,889	5,97,581	6,74,205
	70	3.4	2,95,532	3,86,982	4,77,015	5,64,243	6,47,069	7,32,076
	80	4.3	3,17,239	4,15,518	5,08,451	6,03,921	6,94,287	7,79,467
	90	5.3	3,35,480	4,37,433	5,37,756	6,36,707	7,29,719	8,26,329
0840AX	40	0.6	2,31,569	3,05,830	3,78,918	4,50,965	5,21,942	5,91,910
	60	1.3	3,09,640	4,08,013	5,04,258	5,97,595	6,89,529	7,80,189
	80	2.2	3,72,012	4,87,692	6,03,017	7,13,803	8,19,900	9,27,725
	100	3.3	4,22,189	5,52,832	6,81,449	8,06,061	9,24,384	10,45,822
	120	4.5	4,63,073	6,08,148	7,45,178	8,80,222	10,13,523	11,39,022
	140	6.0	5,00,930	6,51,392	7,99,425	9,41,663	10,82,025	12,20,703
	150	7.6	5,37,833	7,00,641	8,59,107	10,06,173	11,68,473	13,25,118
0850AX	50	1.1	2,96,824	3,92,331	4,86,264	5,78,850	6,70,228	7,60,485
	70	1.9	3,78,460	4,98,635	6,16,474	7,31,993	8,45,905	9,58,367
	90	3.0	4,45,812	5,85,635	7,23,306	8,57,721	9,87,383	11,18,374
	110	4.4	5,02,450	6,56,782	8,08,565	9,58,209	1,105,984	1,247,414
	130	5.9	5,48,504	7,17,949	8,84,783	10,46,484	1,200,062	1,357,777
	150	7.6	5,87,833	7,70,641	9,47,107	11,17,473	1,285,647	1,451,868
	160	8.6	6,28,419	8,28,189	10,04,650	11,86,107	1,368,414	1,535,118
1065AX	100	1.6	4,97,687	6,55,475	8,08,070	9,58,376	11,06,650	12,49,634
	120	2.2	5,58,019	7,31,538	9,04,525	10,70,705	12,29,850	13,91,588
	140	2.9	6,09,337	7,99,341	9,86,472	11,65,035	13,41,130	15,14,993
	160	3.7	6,55,460	8,56,550	10,54,440	12,49,623	14,34,672	16,17,293
	180	4.6	6,94,609	9,12,222	11,17,768	13,20,333	15,20,285	17,08,533
	200	5.6	7,31,968	9,55,731	11,70,825	13,88,102	15,92,145	17,93,632
	220	6.6	7,64,169	9,96,751	12,25,710	14,45,627	16,50,631	18,65,118

LEGEND

GPM- Gallons Per Minute
 GTD- Greatest Temperature Difference(F)
 ΔP- Change In Pressure (psi)

NOTES:

1. Total heat of rejection is in Btuh
2. GTD is the difference between the condensing temperature and the Inlet water temperature

Semi - Hermetic Compressor, Coolers & Condensers

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Condenser Capacity And Flow Rates-R-22 (at 105 F)

Condensing Temperature With .00025 Total Fouling Factor

UNIT P701·	GPM	Δp	TOTAL HEAT OF REJECTION AT SPECIFIED GTD (F)					
			15° GTD	20° GTD	25° GTD	30° GTD	35° GTD	40° GTD
1075AX	100	1.8	5,49,242	7,23,666	8,94,725	10,64,037	12,29,536	13,92,800
	120	2.5	6,20,641	8,16,646	10,08,988	11,95,572	13,79,434	15,60,856
	140	3.3	6,84,010	8,98,961	11,08,478	13,10,356	15,14,172	17,10,591
	160	4.2	7,40,636	9,70,480	11,93,714	14,13,701	16,30,852	18,38,835
	180	5.2	7,90,161	10,31,523	12,72,666	15,02,922	17,30,059	19,54,402
	200	6.2	8,32,768	10,91,177	13,41,161	15,87,674	18,21,717	20,52,717
	220	7.4	8,73,638	11,43,861	13,99,460	16,62,009	19,10,686	21,45,306
1290AX	125	1.5	6,47,708	8,51,897	10,52,844	12,47,755	14,43,202	16,32,703
	150	2.1	7,27,950	9,57,665	11,81,564	13,99,753	16,12,247	18,27,351
	175	2.7	8,01,122	10,50,925	12,93,509	15,29,077	17,64,923	19,97,960
	200	3.5	8,65,203	11,30,819	13,92,139	16,45,384	18,95,198	21,41,908
	225	4.4	9,20,475	12,02,857	14,80,758	17,54,871	20,14,720	22,71,172
	250	5.3	9,73,062	12,70,146	15,56,383	18,38,443	21,16,837	23,79,001
12110AX	125	1.7	7,09,443	9,35,822	11,58,675	13,78,012	15,93,021	18,06,411
	150	2.3	8,06,243	10,61,146	13,11,985	15,59,368	17,98,741	20,38,119
	175	3.1	8,91,444	11,72,494	14,49,312	17,17,584	19,82,106	22,43,254
	200	3.9	9,68,319	12,70,209	15,67,302	18,60,345	21,42,651	24,28,676
	225	4.8	10,36,223	13,62,848	16,76,315	19,85,238	22,90,194	25,82,240
	250	5.8	11,00,217	14,41,382	17,72,096	21,03,464	24,20,017	27,32,636
12140AX	200	0.6	10,01,127	13,15,969	16,25,774	19,31,178	22,29,385	25,16,832
	275	1.0	12,27,329	16,08,045	19,82,676	23,52,045	27,04,787	30,52,573
	350	1.6	14,09,736	18,45,046	2,265,246	26,87,795	30,87,802	34,82,486
	425	2.2	15,56,958	20,33,727	24,91,961	29,54,691	33,88,991	38,17,573
	500	2.9	16,79,131	21,98,496	26,82,488	31,73,108	36,57,631	41,08,083
	575	3.7	17,85,789	23,24,867	28,55,407	33,62,094	38,62,159	43,22,409
14140AX	150	0.9	8,37,468	11,04,779	13,67,476	16,25,473	18,80,768	21,30,479
	200	1.5	10,24,922	13,48,299	1,664,135	19,78,055	22,92,311	25,82,434
	250	2.2	11,80,023	15,50,353	19,15,099	22,65,790	26,11,549	29,52,835
	300	3.1	13,15,964	17,18,611	21,20,895	25,04,871	28,83,491	32,57,263
	350	4.1	14,29,599	18,68,143	22,99,754	27,08,794	31,29,046	35,27,334
	400	5.2	15,31,322	19,91,541	2,444,151	28,90,336	33,30,900	37,45,417
12150AX	225	0.6	11,15,708	14,67,119	1,813,040	21,50,604	24,83,462	28,04,138
	300	1.0	13,40,371	17,56,172	21,65,306	25,68,678	29,53,928	33,47,060
	375	1.5	15,28,485	19,98,193	24,60,469	28,98,293	33,48,127	37,55,280
	450	2.1	16,76,685	21,87,086	2,689,272	31,84,458	36,49,584	41,32,598
	525	2.8	18,14,346	23,53,276	2,883,226	34,05,512	39,21,048	44,30,503
	600	3.5	19,25,912	24,97,970	30,60,678	35,98,318	41,28,647	46,52,365
	675	4.3	20,12,271	26,30,528	32,00,063	37,80,874	43,54,531	48,81,361
14165AX	100	0.5	6,53,019	8,63,988	1,075,136	12,84,549	14,88,236	16,94,373
	175	1.3	10,20,301	13,46,893	16,68,492	19,85,663	22,98,685	26,07,208
	250	2.5	13,11,461	17,23,877	21,32,322	25,26,493	29,21,219	33,04,471
	325	4.0	15,45,317	20,22,692	24,97,840	29,54,947	34,05,763	38,50,932
	400	5.8	17,34,022	22,73,809	27,88,416	32,95,339	37,95,567	42,89,800
	475	7.9	18,88,436	24,72,537	30,36,448	35,92,558	41,30,103	46,37,316
12200A X	175	0.5	10,36,407	13,70,530	1,699,143	20,22,971	23,42,462	26,57,876
	275	1.1	14,43,277	19,00,667	23,48,235	27,89,344	32,17,610	36,39,661
	375	1.8	17,61,534	23,14,216	28,45,078	33,67,805	38,83,355	43,92,400
	475	2.8	20,09,806	26,41,826	32,43,681	38,36,775	44,22,170	49,78,075
	575	3.9	22,16,727	29,11,067	35,66,859	42,13,194	48,51,251	54,51,971
	675	5.1	23,89,837	31,12,286	3,841,096	45,24,378	51,98,771	58,65,201
16200AX	175	0.6	10,24,624	13,54,070	16,78,702	19,98,149	23,13,249	26,23,657
	275	1.3	14,20,618	18,71,931	23,13,491	27,41,744	31,71,255	35,87,662
	375	2.4	17,34,267	22,73,442	27,97,067	33,12,944	38,21,973	43,09,151
	475	3.6	19,75,785	25,89,891	31,83,902	37,69,536	43,25,191	48,73,334
	575	5.1	21,76,714	28,48,763	34,96,108	41,34,381	47,34,756	53,27,175
	675	6.9	23,44,233	30,57,721	37,60,097	44,34,731	50,63,607	57,21,592
14210AX	300	0.6	15,17,254	19,93,877	24,62,665	29,20,225	33,71,081	38,15,758
	400	1.1	18,30,461	24,02,416	29,65,530	34,96,911	40,36,389	45,69,118
	500	1.6	20,83,261	27,32,006	33,59,473	39,77,847	45,88,129	51,66,653
	600	2.2	23,04,057	30,12,589	3,710,107	43,82,864	50,15,617	56,70,941
	700	2.9	24,80,970	32,50,710	39,90,250	47,00,497	54,01,112	60,92,993
	800	3.7	26,37,269	34,59,476	42,24,991	49,79,263	57,00,870	64,13,044
	900	4.5	27,85,070	36,25,707	4,453,153	52,43,277	60,23,187	67,40,668

LEGEND

GPM- Gallons Per Minute
 GTD- Greatest Temperature Difference (F)
 ΔP- Change In Pressure (psi)

NOTES:

1. Total heat of rejection is in Btu/h
2. GTD is the difference between the condensing temperature and the Inlet water temperature

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Condenser Capacity And Flow Rates-R-22 (at 105 F)

Condensing Temperature With .00025 Total Fouling Factor

UNIT 701-	GPM	ΔP	TOTAL HEAT OF REJECTION AT SPECIFIED GTD (F)					
			15° GTD	20° GTD	25° GTD	30° GTD	35° GTD	40° GTD
16210AX	200	1	11,94,350	15,78,641	19,56,273	23,29,709	26,98,111	30,62,287
	275	1.8	15,07,268	19,85,089	24,56,183	29,16,566	33,75,334	38,23,536
	350	2.8	17,70,094	23,23,697	28,68,324	34,00,202	39,24,854	44,42,995
	425	4	19,91,883	26,08,452	32,15,109	38,05,374	43,87,800	49,63,190
	500	5.3	21,73,887	28,50,585	35,06,490	41,53,270	47,80,925	53,78,156
	575	6.9	23,42,974	30,60,496	37,66,791	44,36,244	50,96,548	57,48,665
	650	8.5	24,86,054	32,32,073	39,65,846	46,89,412	54,04,144	60,77,054
16230AX	225	1.1	13,43,705	17,74,662	21,99,194	26,19,003	30,34,096	34,42,551
	300	1.8	16,58,124	21,86,147	27,04,940	32,12,311	37,17,051	42,10,543
	375	2.7	19,26,815	25,33,533	31,26,145	37,15,226	42,86,501	48,50,302
	450	3.7	21,54,179	28,34,521	34,89,889	41,35,715	47,64,872	53,85,954
	525	4.9	23,51,561	30,88,477	37,93,499	44,98,966	51,73,593	58,62,392
	600	6.2	25,28,836	33,10,041	40,79,235	47,97,247	55,32,731	62,59,915
	675	7.7	26,80,047	35,09,005	42,93,092	50,98,519	58,61,381	65,81,106
14270AX	300	0.8	16,59,847	21,89,338	27,09,603	32,18,407	37,24,199	42,18,564
	400	1.4	20,24,956	26,59,408	32,83,509	38,92,882	44,93,714	50,86,777
	500	2.1	23,25,370	30,48,255	37,68,927	44,61,273	51,24,368	57,98,307
	600	2.8	25,76,282	33,82,754	41,64,316	49,21,708	56,68,965	64,07,079
	700	3.7	28,07,096	36,55,656	45,06,963	53,12,992	61,08,043	68,93,203
	800	4.8	29,82,903	38,99,223	47,81,048	56,60,710	64,87,671	73,46,606
	900	5.9	31,63,790	41,19,905	50,36,865	59,40,587	68,32,761	76,64,767
14290AX	300	0.7	16,96,427	22,38,151	27,71,577	32,95,118	38,12,421	43,23,115
	425	1.4	21,63,318	28,46,526	35,19,423	41,71,405	48,14,028	54,48,155
	550	2.2	25,46,440	33,37,925	41,06,608	48,63,922	56,11,202	63,26,541
	675	3.1	28,51,064	37,33,082	46,01,424	54,42,767	62,41,750	70,61,758
	800	4.3	31,18,233	40,70,090	49,87,248	58,91,008	67,83,032	76,64,521
925	5.5	33,31,512	43,56,253	53,41,138	63,12,257	72,46,436	81,69,269	
16300AX	475	0.7	23,16,169	30,39,869	37,59,339	44,45,216	51,37,081	58,02,897
	625	1.2	27,49,165	36,04,853	44,34,163	52,64,683	60,57,206	68,38,959
	775	1.7	31,11,810	40,54,506	50,00,040	58,94,968	67,77,151	76,47,698
	925	2.3	33,95,270	44,58,625	54,58,362	64,43,346	73,90,511	83,25,127
	1075	3	36,59,895	47,83,503	58,60,457	69,22,151	79,09,981	88,84,406
	1225	3.8	38,72,697	50,32,227	61,73,035	72,98,037	83,73,584	94,36,001
	1375	4.7	40,74,876	52,86,951	64,79,584	76,15,195	87,35,819	98,01,754
16360AX	475	1	25,18,292	33,11,712	40,96,515	48,60,189	56,18,421	63,67,262
	625	1.6	30,13,394	39,54,287	48,80,307	57,71,694	66,72,864	75,40,194
	775	2.4	34,16,332	44,77,293	55,05,721	65,35,813	75,19,583	84,90,628
	925	3.2	37,69,142	49,24,974	60,62,656	71,40,653	82,48,700	92,52,776
	1075	4.2	40,56,344	53,08,452	65,14,437	76,48,327	88,22,102	99,25,908
1225	5.3	43,11,940	56,15,111	68,64,968	80,96,719	93,12,672	105,14,506	
16400AX	475	0.8	26,05,621	34,32,065	42,47,606	50,52,103	58,38,210	66,13,309
	625	1.4	31,39,915	41,24,948	51,03,101	60,50,035	69,83,882	79,05,841
	775	2	35,92,864	47,09,650	57,94,296	68,62,846	79,17,186	89,58,654
	925	2.7	39,65,169	51,86,929	64,09,377	75,75,035	87,25,168	98,18,054
	1075	3.6	42,84,368	56,11,293	69,18,043	81,55,234	93,75,599	105,80,803
	1225	4.5	45,69,570	59,88,678	73,24,212	86,71,764	99,38,639	112,54,399
	1375	5.5	48,39,239	63,01,762	77,04,446	90,86,817	104,51,466	118,00,277

Legend

GPM- Gallons Per Minute
 GTD- Greatest Temperature Difference(F)
 ΔP- Change In Pressure (psi)

Notes:

1. Total heat of rejection is in Btuh
2. GTD is the difference between the condensing temperature and the Inlet water temperature

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Condenser Capacity And Flow Rates-R-134A (at 105 F)

Condensing Temperature With .00025 Total Fouling Factor

UNIT P701-	GPM	TOTAL HEAT OF REJECTION AT SPECIFIED GTD (F)			
		15° GTD		40° GTD	
		ΔP	THR	ΔP	THR
06 05 CX	4	0.43	25,765	0.44	66,796
	22	9.69	80,103	10.06	1,94,621
06 07 CX	8	1.08	46,790	1.12	1,19,453
	26	9.55	96,365	9.90	2,34,015
06 10 CX	10	0.69	62,074	0.71	1,59,840
	40	8.57	1,51,198	8.93	3,69,084
06 15 CX	15	1.50	96,870	1.56	2,51,118
	42	9.64	1,97,657	10.04	4,90,954
06 20 CX	15	1.07	1,00,679	1.11	2,62,189
	45	7.88	2,26,118	8.18	5,65,547
06 25 AX	25	0.65	1,42,136	0.68	3,61,781
	85	5.83	2,94,664	6.12	7,17,671
06 30 AX	30	0.71	1,69,332	0.74	4,30,974
	90	5.16	3,28,979	5.41	8,04,474
08 40 AX	40	0.61	2,29,741	0.64	5,85,906
	140	5.83	4,87,215	6.10	11,86,682
08 50 AX	50	1.04	2,94,477	1.08	7,52,237
	150	7.41	5,76,477	7.77	14,14,060
10 65 AX	100	1.55	4,91,308	1.62	12,31,276
	220	6.44	7,48,299	6.75	18,11,718
10 75 AX	100	1.75	5,43,235	1.83	13,71,900
	220	7.21	8,57,022	7.56	20,89,682
12 90 AX	125	1.45	6,40,243	1.51	16,10,509
	250	5.17	9,49,116	5.38	23,31,313
12 110 AX	125	1.62	7,02,533	1.68	17,81,996
	250	5.71	10,81,660	5.95	26,70,390
12 140 AX	200	0.57	9,89,938	0.60	24,84,282
	575	3.61	17,46,399	3.84	42,22,703
14 140 AX	150	0.86	8,29,800	0.89	21,06,140
	450	6.32	15,83,375	6.60	38,28,377
12 150 AX	225	0.61	11,02,892	0.64	27,59,028
	675	4.20	19,66,220	4.46	47,25,153
14 165 AX	100	0.47	6,48,134	0.49	16,84,102
	475	7.74	18,52,532	8.09	45,17,159
12 200 AX	175	0.47	10,29,404	0.49	26,32,546
	675	4.97	23,40,751	5.27	57,00,528
16 200 AX	175	0.58	10,17,399	0.61	25,97,916
	675	6.71	22,95,546	7.02	55,57,759
14 210 AX	300	0.62	15,00,798	0.65	37,67,346
	900	4.42	27,23,529	4.65	65,31,613
16 210 AX	200	1.00	11,84,433	1.04	30,29,886
	650	8.25	24,21,220	8.66	59,12,984
16 230 AX	225	1.04	13,31,505	1.08	34,06,100
	675	7.48	26,29,070	7.83	64,10,453
14 270 AX	300	0.81	16,44,295	0.85	41,68,315
	900	5.68	30,74,944	6.00	74,95,165
14 290 AX	300	0.73	16,81,478	0.76	42,69,982
	925	5.37	32,64,221	5.66	79,43,303
16 300 AX	475	0.69	22,88,601	0.73	57,05,596
	1375	4.53	39,61,437	4.80	95,66,629
16 360 AX	475	0.97	24,90,601	1.03	62,70,314
	1225	5.13	41,91,020	5.45	1,02,15,657
16 400 AX	475	0.82	25,79,947	0.86	65,22,230
	1375	5.33	47,03,510	5.64	1,14,64,852

Legend

GPM- Gallons Per Minute
 GTD- Greatest Temperature Difference(F)
 ΔP- Change In Pressure (psi)
 THR-Total Heat of Rejection

Notes:

1. Total heat of rejection is in Btuh
2. GTD is the difference between the condensing temperature and the Inlet water temperature

P701 WATER-COOLED CONDENSERS (5 TO 400 NOMINAL TONS)

Condenser Capacity And Flow Rates-R-507/404A (at 105 F)

Condensing Temperature With .00025 Total Fouling Factor

UNIT P701	GPM	TOTAL HEAT OF REJECTION AT SPECIFIED GTD (F)			
		15° GTD		40° GTD	
		ΔP	THR	ΔP	THR
0605CX	4	0.43	25,582	0.44	66,021
	22	9.69	76,649	10.07	1,86,012
0607CX	8	1.08	46,132	1.12	1,17,295
	26	9.56	92,293	9.91	2,23,811
0610CX	10	0.69	61,395	0.71	1,57,440
	40	8.57	1,45,885	8.93	3,53,223
0615CX	15	1.50	96,015	1.56	2,47,451
	42	9.64	1,91,905	10.05	4,71,557
0620CX	15	1.07	99,591	1.11	2,58,740
	45	7.88	2,20,172	8.19	5,47,035
0625AX	25	0.65	1,40,108	0.68	3,55,018
	85	5.83	283,698	6.13	6,80,343
0630AX	30	0.71	1,66,854	0.74	4,22,296
	90	5.17	3,17,371	5.41	7,64,927
0840AX	40	0.61	2,26,617	0.64	5,75,438
	140	5.83	4,69,123	6.12	11,33,013
0850AX	50	1.04	2,90,154	1.08	7,37,603
	150	7.41	5,56,359	7.78	13,46,139
1065AX	100	1.55	4,81,415	1.62	11,95,454
	220	6.44	7,19,947	6.75	17,27,631
1075AX	100	1.75	5,32,609	1.83	13,39,365
	220	7.21	8,27,576	7.57	20,01,385
1290AX	125	1.45	6,26,889	1.51	15,63,267
	250	5.17	9,16,892	5.39	22,35,009
12110AX	125	1.62	6,90,314	1.69	17,42,825
	250	5.71	10,48,796	5.96	25,58,547
12140AX	200	0.57	9,69,692	0.60	24,19,279
	575	3.61	16,75,473	3.84	40,13,472
14140AX	150	0.86	8,16,842	0.89	20,60,332
	450	6.32	15,13,513	6.61	36,55,576
12150AX	225	0.61	10,83,086	0.64	26,93,371
	675	4.20	18,83,280	4.46	44,81,024
14165AX	100	0.47	6,43,291	0.49	16,63,120
	475	7.74	17,88,919	8.10	43,26,399
12200AX	175	0.47	10,16,231	0.49	25,88,503
	675	4.97	22,53,177	5.28	54,02,854
16200AX	175	0.58	10,04,120	0.61	25,53,079
	675	6.71	22,08,564	7.02	52,99,788
14210AX	300	0.62	14,71,001	0.65	36,70,893
	900	4.42	26,12,665	4.65	62,58,033
16210AX	200	1.00	11,68,653	1.04	29,74,120
	650	8.25	23,33,933	8.67	56,53,432
16230AX	225	1.04	13,13,736	1.08	33,43,356
	675	7.48	25,30,572	7.84	61,39,566
14270AX	300	0.81	16,16,728	0.85	40,73,584
	900	5.69	29,58,091	6.01	71,49,523
14290AX	300	0.73	16,55,375	0.76	41,84,727
	925	5.37	31,44,178	5.67	75,86,650
16300AX	475	0.69	22,38,728	0.73	55,65,050
	1375	4.53	37,92,706	4.80	90,70,571
16360AX	475	0.98	24,41,137	1.03	61,23,263
	1225	5.14	40,31,866	5.45	97,74,892
16400AX	475	0.82	2,534,088	0.86	63,00,518
	1375	5.33	4,524,881	5.65	10,936,400

Legend

GPM- Gallons Per Minute
 GTD- Greatest Temperature Difference (F)
 ΔP- Change In Pressure (psi)
 THR-Total Heat of Rejection

Notes:

1. Total heat of rejection is in Btu/h
2. GTD is the difference between the condensing temperature and the Inlet water temperature

CONDENSER, DX COOLER, AND MARINE REPLACEMENT PARTS

Condenser

Part Number	Front Condenser Head	Rear Condenser Head	Gasket
P701-0605CX	C10827A1	C10847A1	09C2616
P701-0607CX	C10827A1	C10847A1	09C2616
P701-0610CX	C10828A1	C10848A1	09C2416
P701-0615CX	C10828A1	C10848A1	09C2416
P701-0620CX	C10828A1	C10848A1	09C2416
P701-0625AX	01B200F6	01BCLLF6	01C1416
P701-0630AX	01B200F6	01BCLLF6	01C1416
P701-0840AX	01B2LLF8	01BCLLF8	01C1418
P701-0850AX	01B2LLF8	01BCLLF8	01C1418
P701-1065AX	01B2LLFA	01BCLLFA	01C141A
P701-1075AX	01B2LLFA	01BCLLFA	01C141A
P701-1290AX	01B2LLFB	01BCLLFB	01C141B
P701-12110AX	01B2LLFB	01BCLLFB	01C141B
P701-12140AX	01B100FB	01B100FB	01C141B
P701-14140AX	08B2H0FC	08B2LLFC	0RC141C
P701-12150AX	01B100FB	01B100FB	01C141B
P701-14165AX	08B2H0FC	08B2LLFC	0RC141C
P701-12200AX	01B100FB	01B100FB	01C141B
P701-16200AX	08B2H0FC	08B2LLFC	0RC141D
P701-14210AX	HD51120N0003ND2	HD51120N0003ND2	0RC141C
P701-16210AX	08B2H0FC	08B2LLFC	0RC141D
P701-16230AX	08B2H0FC	08B2LLFC	0RC141D
P701-14270AX	HD51120N0003ND2	HD51120N0003ND2	0RC141C
P701-14290AX	HD51120N0003ND2	HD51120N0003ND2	0RC141C
P701-16300AX	HD51120N0003NF2	HD51120N0003NF2	0RC141D
P701-16360AX	HD51120N0003NF2	HD51120N0003NF2	0RC141D
P701-16400AX	HD51120N0003NF2	HD51120N0003NF2	0RC141D

MARINE CONDENSER

ACME MHX Marine Condenser

ACME Type MHX condensers are manufactured with the latest technology marine condenser tubing to provide compact size and cost effective use.

STANDARD DESIGNS

ACME MHX condensers are available in standard designs for sea water duty. Standard MHX water condensers are available from 5 to 330 nominal tons of duty and are manufactured in large quantities to provide the lowest cost per ton available. Non-standard marine condensers are available to meet virtually any chiller application.

MODERN TUBE MATERIALS

ACME MHX condensers utilize the latest technology tubing. Years of research and development, combined with thorough testing in our own labs have resulted in the highest efficiency condensers available. All condensers are manufactured with 3/4" diameters 90/10 cupro-nickel tubing to provide heavy wall construction and ease of service from commonly available tube cleaning devices.

MODIFICATIONS

ACME refrigeration heat exchangers are available with special materials of construction as required. Fresh water condensers can be made from stainless steel for increased life with poor quality cooling water. Vessels can be equipped with cupro-nickel tubes and tube sheets or titanium tubes for sea water duty. If your application calls for something special, just ask.

- **Shells** – Steel pipe to ASME specification. Shells are shot blasted and cleaned prior to assembly.
- **Tubes** – 90/10 cupro-nickel high performance enhanced design roller expanded into grooved tube sheets.
- **Tube sheet** – 90/10 cupro-nickel to ASME specifications. Precision machined for excellent sealing.
- **Tube Supports** – Quality steel manufactured to close tolerance to minimize vibration.
- **Heads** – Cast bronze to withstand the corrosive effects of sea water duty. Single-pass 14" & 16" heads are fabricated from steel and epoxy coated.
- **Connections** – All water side connections are FPT except 12" 1-pass, 14" and 16" models which have flanges. Refrigerant connections are steel and bored to ODS of copper tubing. Relief, vent and drain connections are provided.
- **Codes** – The refrigerant side is constructed to the latest edition of the ASME Section VIII Div 1 code and stamped. Refrigerant side is dual-rated for 450 psi at 150°F or 305 psi at 250°F. Water side design pressure is 150°F at 150 psi. Shell side is tested at 1.1 times and tube side is tested 1.3 times the design pressure.
- **Finish** – Exterior surfaces are cleaned and painted with an enamel primer.

90/10 Cupro-Nickel Tubes & Tube sheets

Bronze or Epoxy Coated Heads

‡ = 125 Lb. FF Flange, § = 150 Lb. RF Flange

Nominal capacity based on:

14,400 BTUH per ton

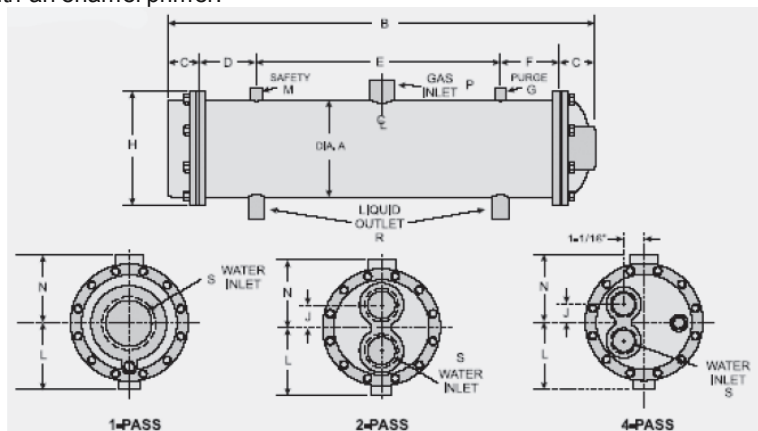
85°F condenser water

10°F range with R-22 service at 105°F condensing temp.

Comprehensive rating tables are available for R-22, R-134a and R-404a.

Pump-down capacity is based on 80% of free shell volume with R-22 at 90°F per ARI.

Capacity includes 0.00025 hr-ft²-°F/Btu additive fouling



Part Number	NOM	A	B	C	D	E	F	G	H	J	L	M	N	P	R	S	Pump	WGT
MHX-602D-4	7.5	6-5/8	27-13/16	2-1/32	5-7/8	12	5-7/8	1/2	7-1/2	1-7/16	6-5/16	1/2	6-5/16	1-3/8	5/8	1-1/2	16	107
MHX-604B-4	5	6-5/8	21-7/8	2-1/32	5-7/8	12	5-7/8	1/2	7-1/2	1-7/16	6-5/16	1/2	6-5/16	1-3/8	5/8	1-1/2	28	180
MHX-603D-4	15	6-5/8	39-13/16	2-1/32	5-7/8	24	5-7/8	1/2	7-1/2	1-7/16	6-5/16	1/2	6-5/16	1-3/8	7/8	1-1/2	21	142
MHX-604D-4	20	6-5/8	51-13/16	2-1/32	5-7/8	36	5-7/8	1/2	7-1/2	1-7/16	6-5/16	1/2	6-5/16	1-3/8	7/8	1-1/2	28	175
MHX-605D-2	25	6-5/8	63-13/16	2-1/32	5-7/8	48	5-7/8	1/2	7-1/2	1-1/2	6-5/16	1/2	6-5/16	1-3/8	7/8	2	36	210
MHX-606D-2	30	6-5/8	75-13/16	2-1/32	5-7/8	60	5-7/8	1/2	7-1/2	1-1/2	6-5/16	1/2	6-5/16	1-5/8	1-1/8	2	43	244
MHX-805A-2	35	8-5/8	66	3-1/8	7-7/8	44	7-7/8	1/2	9-11/16	1-7/8	7-5/16	1/2	7-5/16	2-1/8	1-1/8	2-1/2	70	310
MHX-806A-2	45	8-5/8	78	3-1/8	7-7/8	56	7-7/8	1/2	9-11/16	1-7/8	7-5/16	1/2	7-5/16	2-1/8	1-1/8	2-1/2	84	357
MHX-808A-2	60	8-5/8	102	3-1/8	7-7/8	80	7-7/8	1/2	9-11/16	1-7/8	7-5/16	1/2	7-5/16	2-1/8	1-1/8	2-1/2	313	455
MHX-1005A-2	50	10-3/4	69	4-11/16	7-7/8	44	7-7/8	1/2	13-3/4	2-1/4	8-3/8	3/4	8-3/8	2-1/8	1-5/8	3	111	480
MHX-1006A-2	65	10-3/4	81	4-11/16	7-7/8	56	7-7/8	1/2	13-3/4	2-1/4	8-3/8	3/4	8-3/8	2-5/8	1-5/8	3	134	550
MHX-1008A-2	85	10-3/4	105-1/8	4-11/16	7-7/8	80	7-7/8	1/2	13-3/4	2-1/4	8-3/8	3/4	8-3/8	2-5/8	1-5/8	3	180	695
MHX-1205A-2	70	12-3/4	69	4-5/8	7-7/8	44	7-7/8	1/2	15-3/4	2-5/8	9-3/8	1	9-3/8	2-5/8	1-5/8	3	158	670
MHX-1206A-2	90	12-3/4	81	4-5/8	7-7/8	56	7-7/8	1/2	15-3/4	2-5/8	9-3/8	1	9-3/8	2-5/8	1-5/8	3	191	765
MHX-1208A-1	110	12-3/4	108	6-1/8	7-7/8	80	7-7/8	1/2	15-3/4	--	9-3/8	1	9-3/8	3-1/8	2-5/8	6‡	257	990

MARINE CONDENSER

ACME MHX Marine Condenser

Part Number	NOM	A	B	C	D	E	F	G	H	J	L	M	N	P	R	S	Pump	WGT
MHX-1208A-2	130	12-3/4	105	4-5/8	7-7/8	80	7-7/8	1/2	15-3/4	2-5/8	9-3/8	1	9-3/8	3-1/8	2-5/8	3	257	960
MHX-1210A-1	150	12-3/4	132	6-1/8	7-7/8	104	7-7/8	1/2	15-3/4	--	9-3/8	1	9-3/8	3-1/8	2-5/8	6‡	323	1155
MHX-1405B-2	130	14	69	5-1/8	7-7/8	44	7-7/8	1/2	17-7/8	4-1/2	10	1	10	3-1/8	1-5/8	4‡	160	955
MHX-1406B-2	140	14	81	5-1/8	7-7/8	56	7-7/8	1/2	17-7/8	4-1/2	10	1	10	3-1/8	2-1/8	4‡	194	1100
MHX-1408B-2	200	14	105	5-1/8	7-7/8	80	7-7/8	1/2	17-7/8	4-1/2	10	1	10	3-1/8	2-1/8	4‡	261	1400
MHX-1410B-1	220	14	139-3/8	9-11/16	7-7/8	104	7-7/8	1/2	17-7/8	--	10	1	10	3-5/8	2-1/8	6	328	1740
MHX-1608B-1	230	16	120-1/2	12-3/8	7-7/8	80	7-7/8	1/2	19-7/8	--	11	1	11	3-5/8	2-1/8	8	328	1750
MHX-1608B-2	275	16	105	5-1/8	7-7/8	80	7-7/8	1/2	19-7/8	5	11	1	11	5-1/8	3-1/8	5‡	328	1780
MHX-1610B-1	330	16	144-1/2	12-3/8	7-7/8	104	7-7/8	1/2	19-7/8	--	11	1	11	5-1/8	3-1/8	8§	412	2095

Capacity & Flow Rates

R-22 AT 105°F Condensing Temp With .00025 Total Fouling, Standard Models

M HX-602-B-4			TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD	
12	0.8	50,560	66,626	81,948	97,593	1,12,508	1,26,670	
20	2.0	66,825	87,696	1,07,730	1,26,944	1,46,476	1,65,795	
28	3.8	77,766	1,01,822	1,24,708	1,47,305	1,69,643	1,90,880	
36	6.1	85,520	1,11,361	1,36,280	1,60,890	1,85,226	2,09,317	
44	9.0	91,140	1,19,312	1,46,403	1,71,745	1,96,800	2,23,038	

M HX-602-D-4			TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD	
20	1.2	78,720	1,03,367	1,26,701	1,50,686	1,73,390	1,95,808	
30	2.5	96,607	1,26,441	1,55,862	1,84,923	2,11,918	2,38,587	
40	4.3	1,09,214	1,43,355	1,75,832	2,07,905	2,38,385	2,68,521	
50	6.6	1,19,083	1,55,068	1,91,346	2,24,040	2,59,517	2,91,464	
60	9.3	1,26,340	1,65,095	2,01,400	2,38,223	2,74,658	3,06,827	

M HX-603-D-4			TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD	
20	1.5	1,02,983	1,35,900	1,68,158	2,00,005	2,30,951	2,62,055	
30	3.1	1,32,010	1,73,934	2,14,711	2,53,731	2,93,532	3,31,613	
40	5.3	1,53,507	2,02,020	2,47,938	2,93,264	3,38,066	3,82,394	
50	8.1	1,70,052	2,22,669	2,73,227	3,23,160	3,72,541	4,21,428	
60	11.4	1,82,485	2,38,527	2,95,556	3,48,481	4,00,827	4,52,652	

MHX-604-D-4			TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD	
15	1.0	95,096	1,25,897	1,56,457	1,86,626	2,16,721	2,46,442	
25	2.7	1,39,443	1,84,108	2,28,181	2,71,618	3,14,547	3,56,667	
35	5.0	1,73,192	2,28,380	2,81,866	3,34,655	3,86,832	4,38,456	
45	7.9	1,99,783	2,62,021	3,23,403	3,84,060	4,44,081	5,01,583	
55	11.5	2,20,750	2,89,284	3,56,904	4,22,437	4,88,593	5,51,433	

M HX-605-D-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD	
30	0.7	1,57,494	2,07,766	2,57,037	3,05,624	3,53,588	4,00,977	
50	1.8	2,18,536	2,86,998	3,53,471	4,20,127	4,83,853	5,46,799	
70	3.3	2,60,399	3,42,055	4,22,636	5,00,471	5,73,746	6,49,852	
90	5.2	2,93,650	3,83,500	4,69,606	5,57,159	6,38,646	7,24,391	
110	7.6	3,18,342	4,14,779	5,09,908	6,00,638	6,93,646	7,79,121	

M HX-606-D-4			TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD	
30	0.8	1,72,201	2,27,603	2,82,261	3,36,204	3,89,417	4,41,939	
50	2.0	2,44,144	3,21,521	3,97,086	4,71,664	5,45,360	6,18,251	
70	3.7	2,97,126	3,89,405	4,80,402	5,70,297	6,57,614	7,43,984	
90	5.9	3,35,097	4,40,092	5,43,725	6,43,869	7,38,219	8,36,228	
110	8.5	3,67,002	4,81,408	5,91,304	6,96,828	8,04,233	9,04,378	

GTD refers to the difference between the condensing temperature and the inlet water temperature.

MARINE CONDENSER

Capacity & Flow Rates

R-22 AT 105°F Condensing Temp With .00025 Total Fouling, Standard Models

MHX-805-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
50	0.9	2,49,925	3,28,949	4,07,492	4,83,645	5,58,788	6,33,002
75	1.9	3,20,218	4,21,353	5,19,530	6,14,799	7,08,870	8,01,845
100	3.2	3,71,999	4,88,650	6,03,766	7,14,959	8,19,637	9,28,360
125	4.8	4,14,926	5,40,920	6,65,167	7,87,913	9,02,239	10,22,379
150	6.7	4,45,131	5,83,150	7,14,968	8,45,183	9,69,526	10,97,021
175	9.0	4,73,587	6,16,221	7,56,928	8,90,652	10,22,879	11,53,756

MHX-806-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
50	1.0	2,75,113	3,63,351	4,50,183	5,35,892	6,19,855	7,03,531
75	2.1	3,59,908	4,73,088	5,84,665	6,94,854	8,01,137	9,08,864
100	3.6	4,24,466	5,56,293	6,86,288	8,14,711	9,39,448	10,62,834
125	5.4	4,72,736	6,19,956	7,65,215	9,08,803	10,41,226	11,78,598
150	7.6	5,14,247	6,70,757	8,31,203	9,81,706	11,30,552	12,69,519
175	10.1	5,49,195	7,14,953	8,83,450	10,40,014	11,94,826	13,48,059

MHX-808-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
40	0.8	2,59,592	3,44,395	4,27,997	5,11,705	5,93,226	6,75,860
60	1.7	3,57,202	4,72,291	5,85,824	6,98,276	8,09,362	9,19,204
80	2.9	4,37,612	5,77,396	7,14,751	8,50,868	9,85,522	11,17,411
100	4.4	5,04,942	6,65,206	8,22,042	9,76,917	11,28,593	12,78,582
120	6.1	5,61,765	7,39,048	9,09,767	10,82,625	12,49,229	14,14,041
140	8.1	6,08,184	7,99,040	9,87,383	11,73,603	13,51,843	15,28,174
160	10.4	6,51,529	8,52,808	10,51,343	12,47,568	14,34,131	16,26,415

MHX-1005-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
80	1.0	3,90,865	5,14,867	6,35,941	7,55,372	8,73,321	9,89,905
110	1.8	4,74,969	6,24,349	7,71,711	9,12,511	10,51,505	11,88,844
140	2.8	5,42,127	7,09,175	8,73,887	10,36,578	11,93,888	13,49,455
170	4.1	5,95,655	7,77,466	9,56,751	11,33,860	13,04,351	14,72,995
200	5.5	6,39,572	8,36,834	10,25,794	12,12,420	13,91,201	15,68,021
230	7.1	6,71,013	8,81,069	10,81,654	12,79,842	14,75,926	16,56,249
260	9.0	7,05,845	9,18,470	11,28,195	13,35,456	15,40,565	17,35,715

MHX-1006-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
80	1.1	4,31,633	5,69,721	7,05,354	8,39,857	9,71,394	11,01,292
110	2.0	5,31,412	7,00,221	8,66,804	10,29,625	11,86,757	13,41,899
140	3.2	6,12,681	8,04,445	9,90,694	11,77,509	13,56,232	15,32,877
170	4.6	6,79,512	8,86,714	10,94,941	13,00,749	14,96,037	16,89,135
200	6.2	7,30,974	9,61,529	11,84,002	13,93,373	16,10,762	18,15,363
230	8.0	7,79,794	10,21,033	12,52,812	14,81,772	17,08,253	19,32,515
260	10.0	8,18,554	10,65,666	13,16,760	15,50,175	17,95,994	20,09,348

GTD refers to the difference between the condensing temperature and the inlet water temperature.

MARINE CONDENSER

Capacity & Flow Rates

R-22 AT 105°F Condensing Temp With .00025 Total Fouling, Standard Models

MHX-1008-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
90	1.7	5,35,804	7,08,436	8,78,736	10,47,414	12,14,043	13,78,806
120	2.9	6,56,419	8,66,094	10,72,126	12,76,302	14,78,283	16,76,117
150	4.4	7,57,413	9,97,809	12,33,062	14,65,376	16,92,890	19,17,873
180	6.2	8,42,648	11,08,572	13,64,650	16,23,938	18,73,844	21,21,061
210	8.2	9,12,277	11,98,559	14,81,074	17,60,405	20,27,764	22,92,261
240	10.5	9,77,294	12,79,211	15,77,015	18,71,352	21,51,196	24,39,623

MHX-1205-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
80	0.6	4,34,571	5,73,741	7,10,936	8,45,169	9,78,847	11,09,526
120	1.3	5,71,765	7,54,067	9,32,006	11,03,516	12,76,982	14,44,098
160	2.3	6,79,982	8,91,367	11,03,245	13,05,515	15,05,281	17,02,756
200	3.4	7,64,993	10,02,033	12,35,811	14,61,698	16,84,917	19,05,710
240	4.8	8,32,453	10,94,730	13,40,702	15,90,011	18,36,637	20,74,119

MHX-1206-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
80	0.7	4,72,445	6,25,484	7,75,779	9,24,810	10,71,578	12,16,612
120	1.5	6,34,168	8,36,260	10,35,512	12,31,044	14,24,134	16,12,077
160	2.5	7,61,843	10,04,530	12,41,455	14,69,889	17,01,102	19,23,981
200	3.8	8,65,921	11,38,008	14,06,461	16,63,136	19,25,471	21,76,259
240	5.4	9,51,312	12,48,483	15,41,695	18,19,849	21,06,467	23,78,348

MHX-1208-A-2			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
80	0.8	5,23,016	6,93,742	8,62,100	10,32,353	1,97,741	13,61,242
120	1.8	7,22,907	9,56,246	1,186,950	14,15,556	16,41,222	18,64,225
160	3.0	8,88,914	11,73,608	14,53,886	17,29,713	20,03,129	22,73,696
200	4.5	10,27,834	13,55,820	16,77,335	19,94,985	23,03,852	26,14,736
240	6.4	11,45,318	15,09,619	18,65,391	22,08,661	25,56,246	28,91,670

MHX-1208-A-1			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
200	0.5	9,05,280	11,91,110	14,72,894	17,51,098	20,21,952	2,281,132
300	1.1	11,48,319	15,04,462	18,55,584	21,94,694	25,29,591	28,60,624
400	1.9	13,28,860	17,32,695	21,30,804	25,23,929	28,89,836	32,74,171
500	2.9	14,55,920	19,12,051	23,47,428	27,77,473	31,72,689	35,93,421
600	4.0	15,61,726	20,42,768	25,17,420	29,67,998	34,13,533	38,54,520
700	5.3	16,48,226	21,60,296	26,43,634	31,21,119	35,71,197	40,16,454

MHX-1210-A-1			TOTAL HEAT OF REJECTION AT SPECIFIED GTD				
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
200	0.7	10,30,031	13,59,449	16,82,245	20,00,819	23,10,308	26,21,212
300	1.4	13,32,726	17,48,748	21,58,811	25,63,686	29,63,912	33,46,811
400	2.3	15,57,675	20,47,303	25,20,735	29,78,336	34,30,373	38,77,338
500	3.4	17,32,282	22,78,035	27,89,808	32,94,993	37,94,293	42,88,265
600	4.8	18,81,939	24,50,200	30,10,605	35,64,278	40,94,544	46,19,196
700	6.3	19,89,677	25,98,260	31,98,740	37,71,317	43,37,588	48,76,960

GTD refers to the difference between the condensing temperature and the inlet water temperature.

MARINE CONDENSER

Capacity & Flow Rates

R-22 AT 105°F Condensing Temp With .00025 Total Fouling, Standard Models

MHX-1406-B-2		TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
150	0.9	8,44,265	11,15,290	13,82,501	16,46,349	19,06,442	21,61,663
225	2	11,11,799	14,66,553	18,10,259	21,49,316	24,84,226	28,15,353
300	3.4	13,17,364	17,35,679	21,42,548	25,31,849	29,29,133	33,09,228
375	5.1	14,81,903	19,44,822	24,01,628	28,34,825	32,62,818	37,04,980
450	7.1	16,13,300	21,14,104	26,08,302	30,72,895	35,56,204	40,10,453

MHX-1408-B-2		TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
150	1.1	9,48,750	12,56,947	15,60,851	18,63,828	21,62,891	24,58,387
225	2.4	12,86,854	17,00,402	21,08,041	25,10,253	29,07,315	32,99,741
300	4.1	15,59,979	20,57,068	25,47,705	30,29,294	34,97,968	39,68,908
375	6.1	17,83,975	23,45,473	28,99,375	34,40,257	39,81,802	45,04,254
450	8.6	19,70,847	25,86,912	31,85,472	37,86,115	43,61,224	49,30,105

MHX-1410-B-1		TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
400	1.2	18,83,138	24,78,733	30,66,118	36,46,320	42,05,116	47,56,982
500	1.8	21,54,505	28,32,020	34,79,107	41,39,047	47,69,550	53,92,658
600	2.5	23,72,868	31,14,623	38,46,417	45,40,181	52,25,288	59,32,772
700	3.3	25,57,658	33,64,904	41,43,675	48,76,246	56,36,721	63,51,976
800	4.2	27,21,493	35,63,935	43,73,270	51,72,413	59,62,519	67,44,479
900	5.3	28,76,649	37,38,465	45,88,115	54,53,018	62,57,171	70,52,584
1000	6.4	29,77,533	39,00,628	48,11,657	56,82,896	65,44,668	73,38,160

MHX-1608-B-1		TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
600	1	23,98,955	31,45,751	38,67,785	45,94,629	52,83,449	59,63,632
800	1.7	27,74,164	36,48,947	44,69,013	52,99,920	61,21,492	68,67,130
1000	2.6	30,82,744	40,22,197	49,48,606	58,34,513	67,09,853	75,75,562
1200	3.6	33,25,458	43,17,691	53,32,128	62,61,945	72,54,062	81,62,880
1400	4.8	35,06,522	45,84,370	56,26,152	66,11,761	76,29,849	85,49,796
1600	6.2	36,64,708	47,68,331	58,56,876	69,32,625	79,45,949	89,48,775

MHX-1610-B-1		TOTAL HEAT OF REJECTION AT SPECIFIED GTD					
GPM	ΔP	15° F GTD	20° F GTD	25° F GTD	30° F GTD	35° F GTD	40° F GTD
600	1.2	27,68,593	36,36,353	44,91,697	53,36,207	61,59,148	69,72,468
800	2	32,57,808	42,66,168	52,60,240	62,41,936	72,12,611	81,33,921
1000	3.1	36,43,228	47,67,579	58,76,502	69,45,772	80,29,306	90,48,047
1200	4.3	39,43,105	51,82,805	63,73,212	75,49,381	86,44,687	97,96,210
1400	5.7	42,23,696	55,21,123	67,60,535	79,84,712	91,95,424	103,94,057
1600	7.3	44,37,197	57,60,396	71,13,280	83,54,352	96,78,506	108,92,895

GTD refers to the difference between the condensing temperature and the inlet water temperature.

MARINE CONDENSER

Replacement Parts

REPLACEMENT PART NO			
MODEL NO	CONDENSER HEAD	CONDENSER REAR	GASKET
MHX-602B-4	HEAD0011457	HEAD0021178	GASKE020344
MHX-602D-4	HEAD0011457	HEAD0021178	GASKE020344
MHX-603D-4	HEAD0011457	HEAD0021178	GASKE020344
MHX-604D-4	HEAD0011457	HEAD0021178	GASKE020344
MHX-605D-2	HEAD0011457	HEAD0021178	GASKE020344
MHX-606D-2	HEAD0011457	HEAD0021178	GASKE020344
MHX-805A-2	HEAD0021323	HEAD0021330	GASKE020351
MHX-806A-2	HEAD0021323	HEAD0021330	GASKE020351
MHX-808A-2	HEAD0021323	HEAD0021330	GASKE020351
MHX-1005A-2	HEAD0021347	HEAD0021147	GASKE020368
MHX-1006A-2	HEAD0021347	HEAD0021147	GASKE020368
MHX-1008A-2	HEAD0021347	HEAD0021147	GASKE020368
MHX-1205A-2	HEAD0018960	HEAD0021161	GASKE020375
MHX-1206A-2	HEAD0018960	HEAD0021161	GASKE020375
MHX-1208A-1	HEAD0010742	HEAD0010742	GASKE020375
MHX-1208A-2	HEAD0018960	HEAD0021161	GASKE020375
MHX-1210A-1	HEAD0010742	HEAD0010742	GASKE020375
MHX-1405B-2	HEAD0010569	HEAD0011576	GASKE017655
MHX-1406B-2	HEAD0010569	HEAD0011576	GASKE017655
MHX-1408B-2	HEAD0010569	HEAD0011576	GASKE017655
MHX-1410B-1	HEAD0019682 EPOXY	HEAD0021435 EPOXY	0HC141D
MHX-1608B-1	HEAD0021435 EPOXY	HEAD0021435 EPOXY	0HC141D
MHX-1608B-2	HEAD0010711	HEAD0018946	GASKE017781
MHX-1610B-1	HEAD0021435 EPOXY	HEAD0019682 EPOXY	0HC141C

MARINE CONDENSER

Emerson 703RC Unloader Valve

Application

- 3-Way Unloader Valves
- Electrically operated valve for compressor unloading

Features

- Stainless and brass construction
- OEM drop-in replacement

Specifications

- Maximum working pressure: 500 psig
- MOPD 300 psig
- Drop-in replacement for Copeland part number 510-0212-00

Nomenclature

Example: 703RBVLC

703RC	VLC
Valve Series	Coil*

Note: Valves are shipped without the solenoid coils (VLC= Valve Less Coil). See coil section of catalog for information.

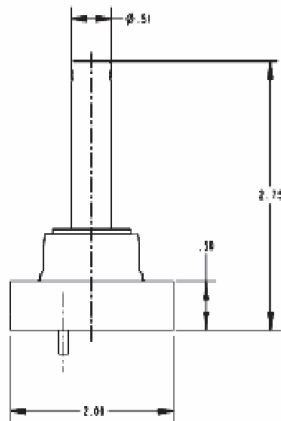
PCN*	DESCRIPTION
065131**	703RC-001 AMC 120/50/60
65132	703RC-001 AMC 208-240/50-60
065126**	703RC-001 VLC

**Standard Product Offering.

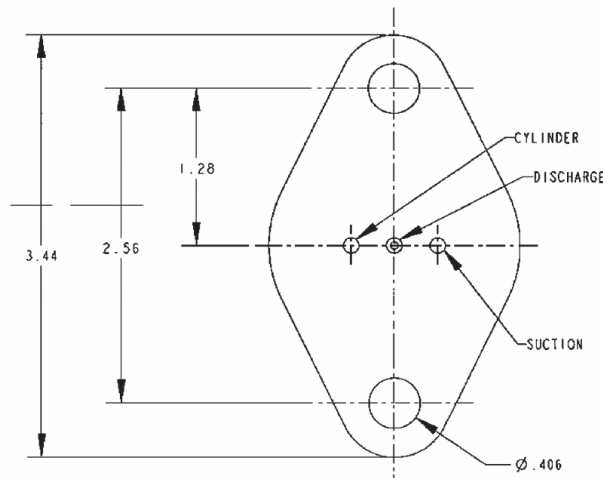
*Product Code Number.

Note: Body gasket not included. Consult compressor manufacturer for body gasket information.

DIMENSIONAL DATA



P4602



P4602B

Note: Dimensions Shown are in inches. Fractions(decimal).

Note: Coil sold separately.