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**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2020	3020	3020	3020	3020
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		4	4	4	4	4
BORE		3	3	3	3	3
STROKE		1.84	1.84	1.84	1.84	1.84
DISPLACEMENT CFM		52.72	52.72	52.72	52.72	52.72
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		22	22	22	22	22
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		21	24		
	R-502					
MOTOR SIZE HP		20	20	20	20	20
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		358	296	358	296
-3-	MAX RLA		73.5	59.9	66	58.9
60	FUSETRON SIZE		125	100	110	100
230	LRA		314	258	314	258
-3-	MAX RLA		65.4	52	58.6	51
60	FUSETRON SIZE		110	90	100	80
460	LRA		157	129	157	129
-3-	MAX RLA		32.7	26	29.3	25.5
60	FUSETRON SIZE		50	40	50	40

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2025	3025	3025	3025	3025
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		4	4	4	4	4
BORE		3	3	3	3	3
STROKE		2.29	2.29	2.29	2.29	2.29
DISPLACEMENT CFM		65.58	65.58	65.58	65.58	65.58
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		22	22	22	22	22
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		27	27	27	27
	R-502					
MOTOR SIZE HP		25	25	25	25	25
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		466	358	466	358
-3-	MAX RLA		98.2	77.9	88.7	76
60	FUSETRON SIZE		175	125	150	125
230	LRA		416	314	416	314
-3-	MAX RLA		86.2	69.6	77	67
60	FUSETRON SIZE		150	110	125	110
460	LRA		208	157	208	157
-3-	MAX RLA		43.1	34.8	38.5	33.5
60	FUSETRON SIZE		70	60	60	60

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2030	3030	3030	3030	3030
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		4	4	4	4	4
BORE		3	3	3	3	3
STROKE		2.75	2.75	2.75	2.75	2.75
DISPLACEMENT CFM		78.75	78.75	78.75	78.75	78.75
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		22	22	22	22	22
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22	35	35	38	29	32
	R-502					
MOTOR SIZE HP		30	30	25	30	25
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		559	466	559	466
-3-	MAX RLA		124.8	98.6	113	95.5
60	FUSETRON SIZE		200	175	200	150
230	LRA		476	416	476	416
-3-	MAX RLA		108	86.6	97	83.6
60	FUSETRON SIZE		175	150	175	150
460	LRA		238	208	238	208
-3-	MAX RLA		54	43.3	48.5	41.8
60	FUSETRON SIZE		90	70	80	70

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2040	3040	3040	3040	3040
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		4	4	4	4	4
BORE		3.375	3.375	3.375	3.375	3.375
STROKE		2.75	2.75	2.75	2.75	2.75
DISPLACEMENT CFM		99.92	99.92	99.92	99.92	99.92
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		22	22	22	22	22
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		44	49	37	42
	R-502					
MOTOR SIZE HP		40	40	30	40	30
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		761	559	761	559
-3-	MAX RLA		159.1	125.8	145.6	123.8
60	FUSETRON SIZE		250	200	250	200
230	LRA		648	476	648	476
-3-	MAX RLA		135	109	123.4	107.6
60	FUSETRON SIZE		225	175	200	175
460	LRA		324	238	324	238
-3-	MAX RLA		67.5	54.5	61.7	53.8
60	FUSETRON SIZE		110	90	100	90

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2050	3050	3050	3050	3050
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		4	4	4	4	4
BORE		3.75	3.75	3.75	3.75	3.75
STROKE		2.75	2.75	2.75	2.75	2.75
DISPLACEMENT CFM		123	123	123	123	123
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		32	32	32	32	32
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		54	60	46	52
	R-502					
MOTOR SIZE HP		50				
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		842	842	842	842
-3-	MAX RLA		187	152	170.5	149
60	FUSETRON SIZE		300	250	300	250
230	LRA		708	708	708	708
-3-	MAX RLA		160.6	130	145.4	127.4
60	FUSETRON SIZE		250	225	250	200
460	LRA		354	354	354	354
-3-	MAX RLA		80.3	65	72.7	63.7
60	FUSETRON SIZE		125	110	125	100

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2060	3060	3060	3060	3060
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		5	5	5	5	5
BORE		3.75	3.75	3.75	3.75	3.75
STROKE		2.75	2.75	2.75	2.75	2.75
DISPLACEMENT CFM		153.8	153.8	153.8	153.8	153.8
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		34	34	34	34	34
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		67	75	57	64
	R-502					
MOTOR SIZE HP		60	60	50	60	50
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		1047	842	1047	842
-3-	MAX RLA		228.7	187.5	206.5	184
60	FUSETRON SIZE		400	300	350	300
230	LRA		878	708	878	708
-3-	MAX RLA		196.8	161.6	177	158.6
60	FUSETRON SIZE		350	300	300	250
460	LRA		439	354	439	354
-3-	MAX RLA		98.4	80.8	88.5	79.3
60	FUSETRON SIZE		175	125	150	125

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2075	3075	3075	3075	3075
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		6	6	6	6	6
BORE		3.75	3.75	3.75	3.75	3.75
STROKE		2.75	2.75	2.75	2.75	2.75
DISPLACEMENT CFM		184.5	184.5	184.5	184.5	184.5
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		34	34	34	34	34
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		79	88	68	77
	R-502					
MOTOR SIZE HP		75	75	60	75	60
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		1390	1047	1390	1047
-3-	MAX RLA		287	221	266.5	216.2
60	FUSETRON SIZE		450	350	450	350
230	LRA		1084	878	1084	878
-3-	MAX RLA		239	189.6	217	186
60	FUSETRON SIZE		400	300	350	300
460	LRA		524	439	524	439
-3-	MAX RLA		119.5	94.8	108	93
60	FUSETRON SIZE		200	150	175	150

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**



**PHYSICAL DATA  
MANUFACTURER**

**CHRYSLER AIRTEMP**

MODEL		2000	3000	3000	3000	3000
		OPEN	HRR	HWR	HRW	HWW
NET OIL PRESSURE		40-60	40-60	40-60	40-60	40-60
CYLINDERS		8	8	8	8	8
BORE		3.75	3.75	3.75	3.75	3.75
STROKE		2.75	2.75	2.75	2.75	2.75
DISPLACEMENT CFM		246	246	246	246	246
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		36	36	36	36	36
NET WEIGHT						
RATED TONS	R-12					
	R-500					
	R-22		103	115	89	101
	R-502					
MOTOR SIZE HP		100	100	100	100	100
ELECTRICAL DATA			ATL	ATL	ATL	ATL
200	LRA		1390	1047	1390	1047
-3-	MAX RLA		287	221	266.5	216.2
60	FUSETRON SIZE		450	350	450	350
230	LRA		1084	878	1048	878
-3-	MAX RLA		239	189.6	217	186
60	FUSETRON SIZE		400	300	350	300
460	LRA		524	439	524	439
-3-	MAX RLA		119.5	94.8	108	93
60	FUSETRON SIZE		200	150	175	150

HRR- Air Cooled DX    HWR- Water Cooled DX

HRW- Air Cooled Chiller    HWW- Water Cooled Chiller

**Brainerd Compressor Inc. - Memphis, Tennessee**

**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	5F20	A189	S674	A219	A684	
CAPACITY CONTROL		NO	NO	YES	YES	
NET OIL PRESSURE		50-60	50-60	50-60	50-60	
CYLINDERS		2	2	2	2	
BORE		2-1/2	2-1/2	2-1/2	2-1/2	
STROKE		2	2	2	2	
DISPLACEMENT CFM		19.9	19.9	19.9	19.9	
OIL GRADE		300	300	300	300	
OIL CHARGE PINTS		5	5	5	5	
NET WEIGHT		175	175	175	175	
RATED TONS	R-12	3.1	3.1	3.1	3.1	
	R-134a	2.9	2.9	2.9	2.9	
	R-22	8.3	8.3	8.3	8.3	
	R-502	2.4	2.4	2.4	2.4	
MOTOR SIZE HP		6-10	6-10	6-10	6-10	
MINIMUM RPM		600	600	600	600	
<p>Rated Conditions are: (R12, 120° F SCT, 20° F SST, 15° F Subcooling) (R134a, 120° F SCT, 20° F SST, 15° F Subcooling, 65° F RGT) (R22, 130° F SCT, 45° F SST, 15° Subcooling, 15° Superheat) (R502, 110° F SCT, -10° F SST, 15° Subcooling, 75° RGT)</p>						
<p>Minimum RPM Listed is Minimum for Proper Capacity Control Operation. Minimum For Proper Lubrication is 400 RPM. Maximum RPM for all Models is 1750 RPM.</p>						

NOTE: SPECIFY REFRIGERANT WHEN ORDERING SO CORRECT RELIEF VALVE AND SPRINGS ARE INSTALLED

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	5F30	S644	A219	A189	S664	
CAPACITY CONTROL		NO	YES	NO	YES	
NET OIL PRESSURE		50-60	50-60	50-60	50-60	
CYLINDERS		3	3	3	3	
BORE		2-1/2	2-1/2	2-1/2	2-1/2	
STROKE		2	2	2	2	
DISPLACEMENT CFM		29.8	29.8	29.8	29.8	
OIL GRADE		300	300	300	300	
OIL CHARGE PINTS		5.5	5.5	5.5	5.5	
NET WEIGHT		215	215	215	215	
RATED TONS	R-12	4.7	4.7	4.7	4.7	
	R-134a	4.4	4.4	4.4	4.4	
	R-22	12.6	12.6	12.6	12.6	
	R-502	3.7	3.7	3.7	3.7	
MOTOR SIZE HP		5-15	5-15	5-15	5-15	
MINIMUM RPM		700	700	700	700	
<p>Rated Conditions are: (R12, 120° F SCT, 20° F SST, 15° F Subcooling) (R134a, 120° F SCT, 20° F SST, 15° F Subcooling, 65° F RGT) (R22, 130° F SCT, 45° F SST, 15° Subcooling, 15° Superheat) (R502, 110° F SCT, -10° F SST, 15° Subcooling, 75° RGT)</p>						
<p>Minimum RPM Listed is Minimum for Proper Capacity Control Operation. Minimum For Proper Lubrication is 400 RPM. Maximum RPM for all Models is 1750 RPM.</p>						

NOTE: SPECIFY REFRIGERANT WHEN ORDERING SO CORRECT RELIEF VALVE AND SPRINGS ARE INSTALLED

**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		5F40	5F60			
CAPACITY CONTROL		YES	YES			
NET OIL PRESSURE		50-60	50-60			
CYLINDERS		4	6			
BORE		2-1/2	2-1/2			
STROKE		2	2			
DISPLACEMENT CFM		39.8	59.6			
OIL GRADE		150	150			
OIL CHARGE PINTS		12	13			
NET WEIGHT		355	400			
RATED TONS	R-12	6.3	9.4			
	R-134a	5.9	8.8			
	R-22	16.6	25.0			
	R-502	4.9	7.4			
MOTOR SIZE HP		7.5-20	10-30			
MINIMUM RPM		800	800			
<p>Rated Conditions are: (R12, 120° F SCT, 20° F SST, 15° F Subcooling) (R134a, 120° F SCT, 20° F SST, 15° F Subcooling, 65° F RGT) (R22, 130° F SCT, 45° F SST, 15° Subcooling, 15° Superheat) (R502, 110° F SCT, -10° F SST, 15° Subcooling, 75° RGT)</p>						
<p>Minimum RPM Listed is Minimum for Proper Capacity Control Operation. Minimum For Proper Lubrication is 400 RPM. Maximum RPM for all Models is 1750 RPM.</p>						

NOTE: SPECIFY REFRIGERANT WHEN ORDERING SO CORRECT RELIEF VALVE AND SPRINGS ARE INSTALLED

**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		5H40	5H46	5H60	5H66	
NET OIL PRESSURE		40-60	40-60	40-60	40-60	
CYLINDERS		4	4	6	6	
BORE		3-1/4	3-1/4	3-1/4	3-1/4	
STROKE		2-3/4	3-7/16	2-3/4	3-7/16	
DISPLACEMENT CFM		92.4	115.5	138.4	173	
OIL GRADE		150	150	150	150	
OIL CHARGE PINTS		18	18	21	21	
NET WEIGHT		610	610	795	795	
RATED TONS	R-12	15.1	18.6	22.6	28	
	R-134a	13.8	17.1	20.7	25.8	
	R-22	39.7	48.9	59.3	73.6	
	R-502	12	14.8	19.4	22.4	
MOTOR SIZE HP		50	60	50-75	100	
MINIMUM RPM		800	800	900	900	
<p>Rated Conditions are: (R12, 120° F SCT, 20° F SST, 15° F Subcooling) (R134a, 120° F SCT, 20° F SST, 15° F Subcooling, 65° F RGT) (R22, 130° F SCT, 45° F SST, 15° Subcooling, 15° Superheat) (R502, 110° F SCT, -10° F SST, 15° Subcooling, 75° RGT)</p>						
<p>Minimum RPM Listed is Minimum for Proper Capacity Control Operation. Minimum For Proper Lubrication is 400 RPM. Maximum RPM for all Models is 1750 RPM.</p>						

NOTE: SPECIFY REFRIGERANT WHEN ORDERING SO CORRECT RELIEF VALVE AND SPRINGS ARE INSTALLED

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		5H80	5H86		5H120	5H126
NET OIL PRESSURE		40-60	40-60		40-60	40-60
CYLINDERS		8	8		12	12
BORE		3-1/4	3-1/4		3-1/4	3-1/4
STROKE		2-3/4	3-7/16		2-3/4	3-7/16
DISPLACEMENT CFM		184.7	231		276.8	346
OIL GRADE		150	150		150	150
OIL CHARGE PINTS		41	41		81-61*	81-61*
NET WEIGHT		1115	1115		1580	1580
RATED TONS	R-12	30.1	37.4		45.2	56.0
	R-134a	27.6	34.3		41.5	51.5
	R-22	79.0	98.1		118.6	147.2
	R-502	24.0	29.9		36.0	44.7
MOTOR SIZE HP		100	100		150	200
MINIMUM RPM		1100	1100		900	900
<p>Rated Conditions are: (R12, 120° F SCT, 20° F SST, 15° F Subcooling) (R134a, 120° F SCT, 20° F SST, 15° F Subcooling, 65° F RGT) (R22, 130° F SCT, 45° F SST, 15° Subcooling, 15° Superheat) (R502, 110° F SCT, -10° F SST, 15° Subcooling, 75° RGT)</p>						
<p>Minimum RPM Listed is Minimum for Proper Capacity Control Operation. Minimum For Proper Lubrication is 400 RPM. Maximum RPM for all Models is 1750 RPM. * 5H120 &amp; 5H126 Have a Reduced Oil Charge to 61 Pints and the Sight Glass Height Changed to the Center of the Hand Hole Cover.</p>						

NOTE: SPECIFY REFRIGERANT WHEN ORDERING SO CORRECT RELIEF VALVE AND SPRINGS ARE INSTALLED

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

5F AND 5H AMMONIA SPECIFICATIONS						
MODEL		5F41	5F61	5H41	5H61	5H81
NET OIL PRESSURE		45	45	45	45	45
CYLINDERS		4	5	4	6	8
BORE		2-1/2	2-1/2	3-1/4	3-1/4	3-1/4
STROKE		2	2	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM @ 1150 RPM @ 1450 RPM (booster only)						
		26.2	39.2	60.7	91.0	121.3
		33.0	49.4	76.5	115.5	153.0
OIL CHARGE	PINTS	12	14	20	24	45
NET WEIGHT		450	535	850	1060	1370
RATED TONS	ASRE Group VI (+5°F SST and +95°F SDT) Single or High Stage 1150 RPM					
		5.0	7.5	11.6	17.4	23.2
	ASRE Group XI (Minus 40°F SST and 0°F SDT) Booster Only 1450 RPM					
		2.9	4.3	6.7	10.1	13.4
NOMINAL HP		10	15	25	40	50
MAX. RPM	Single or Hi Stage	1150	1150	1150	1150	1150
	Booster Only	1450	1450	1450	1450	1450
MINIMUM RPM FOR PROPER LUBRICATION		400	400	400	400	400

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DA/DX/DS	107	109	108	809	409
OLD MODEL NUMBER		6D20	6D21	6D23	6D24	6D24
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		2	2	2	2	2
BORE		1-13/16	2	2	2	2
STROKE		1-1/4	1-3/8	1-1/4	1-3/8	1-3/8
DISPLACEMENT CFM		6.6	8.7	8.0	8.7	8.7
OIL GRADE		150	150	150	150	150
OIL CHARGE	PINTS	3-1/2	3-1/2	3-1/2	3-1/2	3-1/2
NET WEIGHT		135	135	135	145	140
RATED TONS	R-12	1.5	2.3	1.9		
	C-500					
	R-22					3.6
	R-502				LOW	
MOTOR SIZE	HP	2	2	2	3	3-1/3
ELECTRICAL DATA						
200	LRA	48.5	48.5	48.5	63.5	83.0
-3-	MAX RLA	8.8	8.8	8.8	13.2	17.6
60	FUSETRON SIZE	15	15	15	20	25
230	LRA	43	43	43	57.5	75.0
-3-	MAX RLA	7.6	7.6	7.6	11.6	15.3
60	FUSETRON SIZE	15	15	15	20	25
460	LRA	22.5	22.5	22.5	28.8	37.5
-3-	MAX RLA	3.8	3.8	3.8	5.8	6.6
60	FUSETRON SIZE	15	15	15	15	15



**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DA/DX/DS	808	013	016	018	316
OLD MODEL NUMBER		6D28	6D40	6D41	6D42	6D43
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		2	4	4	4	4
BORE		2	1-13/16	2	2	2
STROKE		1-1/4	1-1/4	1-1/4	1-7/16	1-1/4
DISPLACEMENT CFM		8.0	13.1	15.9	18.3	15.9
OIL GRADE		150	150	150	150	150
OIL CHARGE	PINTS	3.5	5	5	7	7
NET WEIGHT		145	192	192	200	198
RATED TONS	R-12		3.1	MED	LOW	4.1
	C-500					
	R-22	3.0				
	R-502					LOW
MOTOR SIZE	HP	3	3	3	3	5
ELECTRICAL DATA						
200 -3- 60	LRA	63.5	63.5	63.5	63.5	95.0
	MAX RLA	13.2	13.2	13.2	13.2	21.1
	FUSETRON SIZE	20	20	20	20	30
230 -3- 60	LRA	57.5	57.5	57.5	57.5	86.0
	MAX RLA	11.6	11.6	11.6	11.6	18.8
	FUSETRON SIZE	20	20	20	20	30
460 -3- 60	LRA	28.8	28.8	28.8	28.8	43.0
	MAX RLA	5.8	5.8	5.8	5.8	9.4
	FUSETRON SIZE	15	15	15	15	15

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DA/DX/DS	318	313	718	518	818	
OLD MODEL NUMBER		6D44	6D45	6D47	6D48	6D48	
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22	
CYLINDERS		4	4	4	4	4	
BORE		2	1-13/16	2	2	2	
STROKE		1-7/16	1-1/4	1-7/16	1-7/16	1-7/16	
DISPLACEMENT CFM		18.3	13.1	18.3	18.3	18.3	
OIL GRADE		150	150	150	150	150	
OIL CHARGE	PINTS	7	5	7	7	7	
NET WEIGHT		210	198	210	222	222	
RATED TONS	R-12			4.9			
	C-500	5.7		5.7	5.7		
	R-22		4.9	MED		7.7	
	R-502		MED			LOW	
MOTOR SIZE	HP	5	5	5	5-1/2	6-2/3	
ELECTRICAL DATA							
200	LRA	95.0	95.0	95.0	Available in Single Phase Only. 230-1-60 LRA 148, FLA 36.8	137.0	
	-3-	MAX RLA	21.5	21.5		21.5	39.0
	60	FUSETRON SIZE	30	30		30	60
230	LRA	86.0	86.0	85.0		124.0	
	-3-	MAX RLA	23.5	23.5		23.5	35.1
	60	FUSETRON SIZE	30	30		30	50
460	LRA	43.0	43.0	43.0		62.0	
	-3-	MAX RLA	9.4	9.4		9.4	17.6
	60	FUSETRON SIZE	15	15		15	25

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DA/DX/DS	124	724	724	824	328
OLD MODEL NUMBER		6D62	6D63	6D67	6D68	NONE
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		6	6	6	6	6
BORE		2	2	2	2	2
STROKE		1-1/4	1-1/4	1-1/4	1-1/4	1-15/32
DISPLACEMENT CFM		23.9	23.9	23.9	23.9	28.0
OIL GRADE		150	150	150	150	150
OIL CHARGE	PINTS	10	10	10	10	10
NET WEIGHT		270	270	270	280	275
RATED TONS	R-12	LOW	6.1	6.1		
	C-500		7.1	7.1		
	R-22		9.5	9.5	9.5	10.5
	R-502					
MOTOR SIZE	HP	5	6-2/3	6-2/3	8	9
ELECTRICAL DATA						
200	LRA	95.0	137.0	137.0	170.0	191.0
	-3- MAX RLA	21.5	39.0	39.0	39.3	55.2
	60 FUSETRON SIZE	30	60	60	70	80
230	LRA	86.0	124.0	124.0	153.0	172.0
	-3- MAX RLA	18.8	35.1	35.1	44.4	49.6
	60 FUSETRON SIZE	30	50	50	70	70
460	LRA	43.0	62.0	62.0	77.0	86.0
	-3- MAX RLA	9.4	17.6	17.6	22.2	24.8
	60 FUSETRON SIZE	15	30	30	35	35

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DA/DX/DS	237	337	537		
OLD MODEL NUMBER		6D72	6D73	6D75		
NET OIL PRESSURE		12-22	12-22	12-22		
CYLINDERS		6	6	6		
BORE		2	2	2		
STROKE		1-15/16	1-15/16	1-15/16		
DISPLACEMENT CFM		37.1	37.1	37.1		
OIL GRADE		150	150	150		
OIL CHARGE	PINTS	10	10	10		
NET WEIGHT		290	295	300		
RATED TONS	R-12	LOW	9.4			
	C-500		11.4			
	R-22		MED	14.9		
	R-502		LOW	MED		
MOTOR SIZE	HP	8	9	12.5		
ELECTRICAL DATA						
200 -3- 60	LRA	170.0	191.0	266.0		
	MAX RLA	39.3	55.2	71.2		
	FUSETRON SIZE	70	80	100		
230 -3- 60	LRA	153.0	172.0	240.0		
	MAX RLA	44.4	49.6	64		
	FUSETRON SIZE	70	70	90		
460 -3- 60	LRA	77.0	86.0	120.0		
	MAX RLA	22.2	24.8	32.0		
	FUSETRON SIZE	35	35	40		

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06DM	808	313	316	818	824
NET OIL PRESSURE			12-22	12-22	12-22	12-22	12-22
CYLINDERS			2	4	4	4	6
BORE			2	2	2	2	2
STROKE			1-1/4	1	1-1/4	1-7/16	1-1/4
DISPLACEMENT CFM			8	13.1	15.9	18.3	23.9
OIL GRADE			150	150	150	150	150
OIL CHARGE PINTS			3	4.5	4.5	5.5	8
NET WEIGHT			140	210	210	222	280
RATED BTUH X 1000	R-12	15° F		20.4	26.6		
	R-22	40° F	35.6	55.6	69.0	81.0	103.7
	R-502	-25° F					
	R-502	20° F	23.1	35.1	45.0		
MOTOR SIZE HP			3	5	5	6.7	8
ELECTRICAL DATA							
208-230 -3- 60	LRA XL		71.0	100.0	100.0	137.0	170.0
	MAX RLA		14.0	21.5	21.5	39.0	49.3
	MTA		17.4	27.0	27.0	48.8	61.5
460 -3- 60	LRA XL		35.5	50.0	50.0	62.0	77.0
	MAX RLA		7.0	10.8	10.8	17.6	22.2
	MTA		8.7	13.5	13.5	22.0	27.8
575 -3- 60	LRA XL		28.4	40.0	40.0	50.0	62.0
	MAX RLA		5.6	8.6	8.6	14.1	17.8
	MTA		7.0	10.8	10.8	17.6	22.2

NOTE: (R12, 15° SST, 110° SCT, 65° RGT)(R22, 40° SST, 120° SCT, 60° RGT)(R502, -25° SST, 110° SCT, 65° RGT)(R502, 20° SST, 120° SCT, 65° RGT)

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DM	328	337	537		
NET OIL PRESSURE		12-22	12-22	12-22		
CYLINDERS		6	6	6		
BORE		2	2	2		
STROKE		1-15/32	1-15/16	1-15/16		
DISPLACEMENT CFM		28.0	37.1	37.1		
OIL GRADE		150	150	150		
OIL CHARGE PINTS		8	8	8		
NET WEIGHT		285	295	300		
RATED BTUH X 1000	R-12 15° F		65.6			
	R-22 40° F	125.0	165.9	171.0		
	R-502 -25° F					
	R-502 20° F		111.1			
MOTOR SIZE HP		9	10	12.7		
ELECTRICAL DATA						
208-230 -3- 60	LRA XL	191.0	228.0	266.0		
	MAX RLA	55.2	44.3	71.2		
	MTA	69.0	62.0	89.0		
460 -3- 60	LRA XL	86.0	114.0	120		
	MAX RLA	24.8	22.1	32.0		
	MTA	31.0	31.0	40.0		
575 -3- 60	LRA XL	69.0	91.0	96.0		
	MAX RLA	20.0	17.9	25.6		
	MTA	25.0	25.0	32.0		

NOTE: (R12, 15° SST, 110° SCT, 65° RGT)(R22, 40° SST, 120° SCT, 60° RGT)(R502, -25° SST, 110° SCT, 65° RGT)(R502, 20° SST, 120° SCT, 65° RGT)

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DR	109	013	316	718	820
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		2	4	4	4	4
BORE		2	2	2	2	2
STROKE		1-3/8	1	1-1/4	1-7/16	1-9/16
DISPLACEMENT CFM		8.7	13.1	15.9	18.3	20.0
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		3	4.5	4.5	5.5	5.5
NET WEIGHT		135	192	198	210	222
RATED BTUH X 1000	R-12 15° F	14.6	22.7	29.1	33.7	37.4
	R-22 40° F					92.5
	R-502 -25° F					
	R-502 20° F	9.9	11.7	16.2	20.4	22.3
MOTOR SIZE HP		2	3	5	5	6.5
ELECTRICAL DATA						
208-230 -3- 60	LRA XL	53.3	71.0	100.0	100.0	160.0
	MAX RLA	8.8	14.0	21.5	21.5	31.5
	MTA	12.5	17.4	27.0	27.0	44.0
460 -3- 60	LRA XL	26.6	35.5	50.0	50.0	80.0
	MAX RLA	3.8	7.0	10.8	10.8	15.7
	MTA	5.5	8.7	13.5	13.5	22.0
575 -3- 60	LRA XL	21.3	28.4	40.0	40.0	64.0
	MAX RLA	3.1	5.6	8.6	8.6	12.6
	MTA	4.4	7.0	10.8	10.8	17.6

NOTE: (R12, 15° SST, 110° SCT, 65° RGT)(R22, 40° SST, 120° SCT, 60° RGT)(R502, -25° SST, 110° SCT, 65° RGT)(R502, 20° SST, 120° SCT, 65° RGT)

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06DR	724	228	337		
NET OIL PRESSURE		12-22	12-22	12-22		
CYLINDERS		6	6	6		
BORE		2	2	2		
STROKE		1-1/4	1-15/32	1-15/16		
DISPLACEMENT CFM		23.9	28.0	37.1		
OIL GRADE		150	150	150		
OIL CHARGE PINTS		8	8	8		
NET WEIGHT		280	285	295		
RATED BTUH X 1000	R-12 15 <sup>0</sup> F	43.7	51.3	69.3		
	R-22 40 <sup>0</sup> F	109.6	128.2			
	R-502 -25 <sup>0</sup> F					
	R-502 20 <sup>0</sup> F	25.6	31.0	42.7		
MOTOR SIZE HP		6.5	7.5	10		
ELECTRICAL DATA						
208-230 -3- 60	LRA XL	160.0	198.0	228.0		
	MAX RLA	31.5	39.7	44.3		
	MTA	44.0	55.5	62.0		
460 -3- 60	LRA XL	80.0	99.0	114.0		
	MAX RLA	15.7	19.9	22.1		
	MTA	22.0	27.8	31.0		
575 -3- 60	LRA XL	64.0	79.0	91.0		
	MAX RLA	12.6	15.9	17.9		
	MTA	17.6	22.2	25.0		

NOTE: (R12, 15<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R22, 40<sup>0</sup> SST, 120<sup>0</sup> SCT, 60<sup>0</sup> RGT)(R502, -25<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R502, 20<sup>0</sup> SST, 120<sup>0</sup> SCT, 65<sup>0</sup> RGT)



**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06EA/EX/ET	163	260	263	150	250
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		6	4	6	4	4
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		2-3/16	2-7/8	2-3/16	2-3/8	2-3/8
DISPLACEMENT CFM		66	66	66	50	50
OIL GRADE		150	150	150	150	150
OIL CHARGE	PINTS	14	14	14	14	14
NET WEIGHT		450	425	450	410	425
RATED BTUH X 1000	R-22	Obsolete Not Available				223.3
	AIR COOLED	Obsolete Not Available				
	R-22	Obsolete Not Available			245.8	247.0
	WATER COOLED	Obsolete Not Available				
MOTOR SIZE	HP		25	25	15	20
ELECTRICAL DATA						
208-230 -3- 60	LRA	Obsolete Not Available			283.0	345.0
	RLA				72.0	87.0
	MTA				90.0	108.0
460 -3- 60	LRA	Obsolete Not Available			142.0	173.0
	RLA				36.0	44.0
	MTA				45.0	54.0
575 -3- 60	LRA	Obsolete Not Available			98.0	120.0
	RLA				31.0	36.0
	MTA				38.0	45.0

Air Cooled 45° SST, 130° SCT, 0° Subcooling  
Water Cooled 40° SST, 105° SCT, 0° Subcooling

**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06EA/EX/ET	265	266	175	275	199
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		6	4	6	6	6
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		1-63/64	2-7/8	2-3/16	2-3/16	2-7/8
DISPLACEMENT CFM		68.9	66.0	75.4	75.4	99.0
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		19	14	19	19	19
NET WEIGHT		465	420	470	480	500
RATED BTUH X 1000	R-22	300.3	290.0		332.8	
	AIR COOLED					
	R-22	334.7	302.6	364.3	363.0	469.7
	WATER COOLED					
MOTOR SIZE HP		25	25	25	30	35
ELECTRICAL DATA						
208-230	LRA	446.0	446.0	446.0	506.0	610.0
-3-	RLA	112.0	112.0	112.0	135.0	155.0
60	MTA	140.0	140.0	140.0	168.0	193.0
460	LRA	205.0	205.0	205.0	220.0	265.0
-3-	RLA	57.0	57.0	57.0	65.0	82.0
60	MTA	71.0	71.0	71.0	81.0	102.0
575	LRA	164.0	164.0	164.0	176.0	212.0
-3-	RLA	46.0	46.0	46.0	52.0	65.0
60	MTA	57.0	57.0	57.0	65.0	82.0

Air Cooled 45° SST, 130° SCT, 0° Subcooling  
 Water Cooled 40° SST, 105° SCT, 0° Subcooling

**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06EA/EX/ET	299				
NET OIL PRESSURE		12-22				
CYLINDERS		6				
BORE		2-11/16				
STROKE		2-7/8				
DISPLACEMENT CFM		99.0				
OIL GRADE		150				
OIL CHARGE PINTS		19				
NET WEIGHT		530				
RATED BTUH X 1000	R-22	437.9				
	AIR COOLED					
	R-22	476.3				
	WATER COOLED					
MOTOR SIZE HP		40				
ELECTRICAL DATA						
208-230	LRA	690.0				
-3-	RLA	189.0				
60	MTA	236.0				
460	LRA	300.0				
-3-	RLA	97.0				
60	MTA	121.0				
575	LRA	240.0				
-3-	RLA	77.0				
60	MTA	97.0				

Air Cooled 45° SST, 130° SCT, 0° Subcooling  
 Water Cooled 40° SST, 105° SCT, 0° Subcooling

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06EM/EZ	150	266	175	199	
NET OIL PRESSURE		12-22	12-22	12-22	12-22	
CYLINDERS		4	4	6	6	
BORE		2-11/16	2-11/16	2-11/16	2-11/16	
STROKE		2-3/8	2-7/8	2-3/16	2-7/8	
DISPLACEMENT CFM		50.3	66.0	75.4	99.0	
OIL GRADE		150	150	150	150	
OIL CHARGE	PINTS	14	14	19	19	
NET WEIGHT		410	420	470	500	
RATED BTUH X 1000	R-12	15 <sup>0</sup> F	82.6		121.0	163.4
	R-22	40 <sup>0</sup> F	219.7	277.0	323.8	422.6
	R-502	-25 <sup>0</sup> F				
	R-502	20 <sup>0</sup> F	139.0	180.0	207.5	280.0
MOTOR SIZE	HP	15	25	25	35	
ELECTRICAL DATA						
208-230 -3- 60	LRA XL		283.0	446.0	446.0	610.0
	MAX RLA		72.0	112.0	112.0	155.0
	MTA		90.0	140.0	140.0	193.0
460 -3- 60	LRA XL		142.0	223.0	223.0	305.0
	MAX RLA		36.0	56.0	56.0	77.0
	MTA		46.0	70.0	70.0	96.0
575 -3- 60	LRA XL		98.0	164.0	164.0	212.0
	MAX RLA		31.0	46.0	46.0	62.0
	MTA		38.0	57.0	57.0	77.0

NOTE: (R12, 15<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R22, 40<sup>0</sup> SST, 120<sup>0</sup> SCT, 60<sup>0</sup> RGT)(R502, -25<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R502, 20<sup>0</sup> SST, 120<sup>0</sup> SCT, 65<sup>0</sup> RGT)

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06ER/EY	066	075	099	150	165
NET OIL PRESSURE		12-22	12-22	12-22	12-22	12-22
CYLINDERS		4	6	6	4	6
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		2-7/8	2-3/16	2-7/8	2-3/16	1-63/64
DISPLACEMENT CFM		66.0	75.4	99.0	50.3	68.3
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		14	19	19	14	19
NET WEIGHT		415	470	485	410	460
RATED BTUH X 1000	R-12 15° F			172.4	92.1	109.0
	R-22 40° F					
	R-502 -25° F			104.0	54.5	68.0
	R-502 20° F					
MOTOR SIZE HP		15	20	30	15	20
ELECTRICAL DATA						
208-230 -3- 60	LRA XL	246	300	506	283	345
	MAX RLA	76	90	135	72	87
	MTA	95	112	168	90	108
460 -3- 60	LRA XL	123	150	253	142	173
	MAX RLA	38	45	68	36	44
	MTA	48	56	84	46	54
575 -3- 60	LRA XL			176	98	120
	MAX RLA			52	31	36
	MTA			65	38	45

NOTE: (R12, 15° SST, 110° SCT, 65° RGT)(R22, 40° SST, 120° SCT, 60° RGT)(R502, -25° SST, 110° SCT, 65° RGT)(R502, 20° SST, 120° SCT, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL	06ER/EY	166	175			
NET OIL PRESSURE		12-22	12-22			
CYLINDERS		4	6			
BORE		2-11/16	2-11/16			
STROKE		2-7/8	2-3/16			
DISPLACEMENT CFM		66.0	75.4			
OIL GRADE		150	150			
OIL CHARGE PINTS		14	19			
NET WEIGHT		415	470			
RATED BTUH X 1000	R-12 15 <sup>0</sup> F	109.0	135.7			
	R-22 40 <sup>0</sup> F					
	R-502 -25 <sup>0</sup> F	68.0	78.6			
	R-502 20 <sup>0</sup> F					
MOTOR SIZE HP		20	20			
ELECTRICAL DATA						
208-230 -3- 60	LRA XL	345.0	345.0			
	MAX RLA	87.0	87.0			
	MTA	108.0	108.0			
460 -3- 60	LRA XL	173.0	173.0			
	MAX RLA	44.0	44.0			
	MTA	54.0	54.0			
575 -3- 60	LRA XL	120.0	120.0			
	MAX RLA	36.0	36.0			
	MTA	45.0	45.0			

NOTE: (R12, 15<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R22, 40<sup>0</sup> SST, 120<sup>0</sup> SCT, 60<sup>0</sup> RGT)(R502, -25<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R502, 20<sup>0</sup> SST, 120<sup>0</sup> SCT, 65<sup>0</sup> RGT)

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06CC	016	018	124	125	228
NET OIL PRESSURE			12-22	12-22	12-22	12-22	12-22
CYLINDERS			6	6	6	6	6
BORE			2	2	2	2	2
STROKE			1-1/4	1-15/32	1-1/4	1-1/4	1-15/32
DISPLACEMENT CFM			15.9	18.3	23.9	23.9	28
OIL GRADE			150	150	150	150	150
OIL CHARGE PINTS			10	10	10	10	10
NET WEIGHT			335	335	335	340	340
RATED BTUH X 1000	R-12	15 <sup>0</sup> F					
	R-22	40 <sup>0</sup> F	17.6	22.6	24.6	24.6	29.5
	R-502	-25 <sup>0</sup> F					
	R-502	20 <sup>0</sup> F					
MOTOR SIZE HP			5	5	6.5	6.5	7.5
ELECTRICAL DATA							
208-230	LRA XL		100.0	100.0	160.0	160.0	198.0
-3-	MAX RLA		19.3	19.3	23.6	23.6	29.7
60	MCC		27.0	27.0	33.0	33.0	41.6
460	LRA XL		50.0	50.0	80.0	80.0	99.0
-3-	MAX RLA		9.6	9.6	11.8	11.8	14.9
60	MCC		13.5	13.5	16.5	16.5	20.9
575	LRA XL		40.0	40.0	64.0	64.0	79.0
-3-	MAX RLA		7.7	7.7	9.4	9.4	11.9
60	MCC		10.8	10.8	13.2	13.2	16.7

NOTE: (R12, 15<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R22, 40<sup>0</sup> SST, 120<sup>0</sup> SCT, 60<sup>0</sup> RGT)(R502, -25<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R502, 20<sup>0</sup> SST, 120<sup>0</sup> SCT, 65<sup>0</sup> RGT)

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06CC	337	550	665	675	899
NET OIL PRESSURE			12-22	12-22	12-22	12-22	12-22
CYLINDERS			6	6	6	6	6
BORE			2	2-11/16	2-11/16	2-11/16	2-11/16
STROKE			1-15/16	2-3/16	1-63/64	2-3/16	2-7/8
DISPLACEMENT CFM			37.1	50.3	65	75.4	99.0
OIL GRADE			150	150	150	150	150
OIL CHARGE PINTS			10	19	19	19	19
NET WEIGHT			345	545	555	555	580
RATED BTUH X 1000	R-12	15 <sup>0</sup> F					
	R-22	40 <sup>0</sup> F	39.9	56.3	71.4	80.6	103.4
	R-502	-25 <sup>0</sup> F					
	R-502	20 <sup>0</sup> F					
MOTOR SIZE HP			10	15	20	20	30
ELECTRICAL DATA							
208-230	LRA XL		228.0	283.0	345.0	345.0	506.0
-3-	MAX RLA		33.2	36.0	60.7	60.7	82.9
60	MCC		46.5	52.0	85.0	85.0	130.0
460	LRA XL		114.0	142.0	173	173.0	253.0
-3-	MAX RLA		16.6	18.6	25.7	30.0	45.0
60	MCC		23.3	26.0	42.0	42.0	65.0
575	LRA XL		91.0	98.0	120.0	120.0	176.0
-3-	MAX RLA		13.4	14.3	19.3	26.4	35.7
60	MCC		18.8	21.0	33.0	33.0	52.0

NOTE: (R12, 15<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R22, 40<sup>0</sup> SST, 120<sup>0</sup> SCT, 60<sup>0</sup> RGT)(R502, -25<sup>0</sup> SST, 110<sup>0</sup> SCT, 65<sup>0</sup> RGT)(R502, 20<sup>0</sup> SST, 120<sup>0</sup> SCT, 65<sup>0</sup> RGT)



**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06GH	040	240	060	160	260
OLD MODEL NUMBER			6G40	6G45	6G60	6G63	6G65
NET OIL PRESSURE			40-60	40-60	40-60	40-60	40-60
CYLINDERS			4	4	6	6	6
BORE			2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
STROKE			2	2	2	2	2
DISPLACEMENT CFM			39.8	39.8	59.6	59.6	59.6
OIL GRADE			150	150	150	150	150
OIL CHARGE PINTS			18	18	20	20	20
NET WEIGHT			480	546	690	730	760
RATED TONS See Rating	R-12		10.8	10.8	16.2	16.2	
	C-500		12.7	12.7		19	
	R-22			17.1			25.6
	R-502						
MOTOR SIZE HP			15	20	20	25	30
ELECTRICAL DATA							
200 -3- 60	LRA		150	214	214	279	360
	MAX RLA		32.9	46.5	46.5	54.3	70.8
	FUSETRON SIZE		50	70	70	80	100
230 -3- 60	LRA		150	214	214	279	360
	MAX RLA		32.9	46.5	46.5	54.3	70.8
	FUSETRON SIZE		50	70	70	80	100
460 -3- 60	LRA		75	107	107	140	180
	MAX RLA		17.2	24.3	24.3	29.6	35.4
	FUSETRON SIZE		25	35	35	45	50

RATING: Listed ratings are tons at 105° F. Sat. Cond.Temp., 40° F. Sat. Suction Temp.

**PHYSICAL DATA  
MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06LH	009	109	209	014	114
OLD MODEL NUMBER			6L40	6L43	6L45	6L60	6L63
NET OIL PRESSURE			40-60	40-60	40-60	40-60	40-60
CYLINDERS			4	4	4	6	6
BORE			3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE			2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM			92.4	92.4	92.4	138.4	138.4
OIL GRADE			150	150	150	150	150
OIL CHARGE PINTS			30	30	30	47	47
NET WEIGHT			1140	1180	1145	1310	1410
RATED TONS See Rating	R-12		25.6	25.6		38.4	38.4
	C-500		30.2	30.2		45.3	45.3
	R-22				39.8		59.6
	R-502						
MOTOR SIZE HP			30	35	45	45/50	55
ELECTRICAL DATA							
200	LRA		360	412	575	538	658
-3-	MAX RLA		708	78.9	109	109	136
60	FUSETRON SIZE		100	125	175	175	200
230	LRA		360	412	575	538	558
-3-	MAX RLA		70.8	78.9	109	109	136
60	FUSETRON SIZE		100	125	175	175	200
460	LRA		180	206	288	269	329
-3-	MAX RLA		35.4	39.5	58.6	58.6	67.9
60	FUSETRON SIZE		50	60	90	90	100

RATING: Listed ratings are tons at 105° F. Sat. Cond.Temp., 40° F. Sat. Suction Temp.

**PHYSICAL DATA**  
**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06LH	214	018	118	218	028
OLD MODEL NUMBER			6L65	6L80	6L83	6L85	6L120
NET OIL PRESSURE			40-60	40-60	40-60	40-60	40-60
CYLINDERS			6	8	8	8	12
BORE			3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE			2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM			138.4	184.4	184.4	184.4	276.8
OIL GRADE			150	150	150	150	150
OIL CHARGE PINTS			47	80	80	80	90
NET WEIGHT			1500	1850	1870	1890	2200
RATED TONS See Rating	R-12			51.2	51.2		76.8
	C-500			60.4	60.4		90.6
	R-22		59.6			79.5	
	R-502						
MOTOR SIZE HP			60	55	60	75	90
ELECTRICAL DATA							
200	LRA		776	658	776	806	806
-3-	MAX RLA		158	136	153	193	206
60	FUSETRON SIZE		225	200	225	300	300
230	LRA		776	658	776	806	806
-3-	MAX RLA		158	136	153	193	206
60	FUSETRON SIZE		225	206	225	300	300
460	LRA		388	329	388	403	403
-3-	MAX RLA		76.5	67.9	76.5	96.5	103
60	FUSETRON SIZE		110	100	107	135	150

RATING: Listed ratings are tons at 105° F. Sat. Cond.Temp., 40° F. Sat. Suction Temp.

**PHYSICAL DATA**

**MANUFACTURER**

**CARRIER/CARLYLE**

MODEL		06LH	128	123	06LH123 (6L123) Is a special 10 cylinder compressor used in 30AA, 30AB, & 30BA units. Identified by model numbers 6L123- 708 (220/440 volts), 6L123-738 (440/380 volts), 6L123-748 (550 volts), 6L123-758 (230 volts, 50 cy.)	228
OLD MODEL NUMBER			6L123	6L123		6L125
NET OIL PRESSURE			40-60	40-60		40-60
CYLINDERS			12	10		10
BORE			3-1/4	3-1/4		3-1/4
STROKE			2-3/4	2-3/4		2-3/4
DISPLACEMENT CFM			276.8	231.1		276.8
OIL GRADE			150	150		150
OIL CHARGE PINTS			90	90		90
NET WEIGHT			2190	2190		2190
RATED TONS See Rating	R-12		76.8			
	C-500		90.6			
	R-22					119.4
	R-502					
MOTOR SIZE HP			100	125		125
ELECTRICAL DATA						
200	LRA		1050	1320		1320
-3-	MAX RLA		233	270		270
60	FUSETRON SIZE		350	400		400
230	LRA		1050	1320		1320
-3-	MAX RLA		233	233		233
60	FUSETRON SIZE		350	400		400
460	LRA		525	660		660
-3-	MAX RLA		117	135		135
60	FUSETRON SIZE		175	200		200

RATING: Listed ratings are tons at 105° F. Sat. Cond.Temp., 40° F. Sat. Suction Temp.

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		KAJ0100	KAK0100	KAL0100	KAT0100	KAL0150
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		1-9/16	1-11/16	1-7/8	1-7/8	1-7/8
STROKE		1-5/16	15/16	15/16	1-5/32	15/16
DISPLACEMENT CFH		218.4	255	313	389	313
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		24	24	24	24	24
NET WEIGHT		89	89	89	89	89
RATED BTUH @ SST LISTED	R12 45°F					
	R12 0°F	3400	4070	5300		4800
	R12 -20°F				3630	
	R22 45°F					
	R22 25°F					
	R502 -20°F	3150				4300
MOTOR SIZE HP		1	1	1	1	1-1/2
ELECTRICAL DATA						
115 -1- 60	LRA	85.5	85.5	85.5	85.5	---
	RLA	12.4	11.4	10.9	12.4	---
	MCC	17.3	15.9	15.2	17.3	---
230 -1- 60	LRA	33.5	33.5	33.5	33.5	44.0
	RLA	5.4	5.4	5.1	5.5	5.6
	MCC	7.2	7.5	7.1	7.7	7.6
208-230 -3- 60	LRA	25.0	25.0	25.0	25.0	35.5
	RLA	3.4	3.3	3.3	3.9	5.4
	MCC	4.8	4.6	4.6	5.5	7.1
460 -3- 60	LRA	15.0	15.0	15.0	15.0	18.2
	RLA	2.1	1.9	1.8	2.1	2.9
	MCC	2.8	2.7	2.5	2.9	3.6

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		KAT0150	EAA0150	EAB0150	EAC0150	EAJ0150
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		1-7/8	1-3/4	1-7/8	1-3/4	1-15/16
STROKE		1-5/32	1-5/32	1-5/32	1-5/32	1-5/32
DISPLACEMENT CFH		389	339	389	339	492.4
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		24	80	80	80	80
NET WEIGHT		94	152	152	152	152
RATED BTUH @ SST LISTED	R12 45°F					
	R12 0°F	6360		5900	4800	
	R12 -20°F					4610
	R22 45°F					
	R22 25°F					
	R502-20°F		4550			
MOTOR SIZE HP		1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
ELECTRICAL DATA						
230 -1- 60	LRA	44.0	41.0	41.0	41.0	41.0
	RLA	6.1	7.1	6.4	7.1	6.6
	MCC	8.5	9.6	8.9	9.6	9.3
208-230 -3- 60	LRA	35.5	38.0	38.0	38.0	38.0
	RLA	5.0	6.0	5.8	5.8	5.9
	MCC	7.0	8.2	8.1	8.1	8.2
460 -3- 60	LRA	18.2	19.0	19.0	19.0	19.0
	RLA	2.9	2.5	2.5	2.5	2.5
	MCC	4.0	3.5	3.5	3.5	3.5

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		EAV0150	EAB0200	EAC0200	EAD0200	EAL0200
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		2	1-7/8	1-3/4	1-7/8	2
STROKE		1-5/32	1-5/32	1-5/32	1-5/32	1-3/8
DISPLACEMENT CFH		442	389	339	389	524
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		80	80	80	80	80
NET WEIGHT		152	158	158	158	158
RATED BTUH @ SST LISTED	R12 45°F					
	R12 0°F					8220
	R12 -20°F	3500				
	R22		L	L		
	R22 25°F					
	R502-20°F				5550	
MOTOR SIZE HP		1-1/2	2	2	2	2
ELECTRICAL DATA						
230 -1- 60	LRA	41.0	58.0	58.0	58.0	58.0
	RLA	6.4	9.5	9.5	8.4	8.7
	MCC	8.9	FRN-25	FRN-25	11.8	12.2
208-230 -3- 60	LRA	38.0	46.0	46.0	46.0	46.0
	RLA	5.6	7.1	7.1	6.8	7.1
	MCC	7.9	FRN-12	FRN-12	9.5	9.9
460 -3- 60	LRA	19.0	23.0	23.0	23.0	23.0
	RLA	2.4	3.7	3.7	3.4	3.7
	MCC	3.4	FRS-7	FRS-7	4.8	5.2

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		EAV200	ERA0200	ERC0200	ERJ0200	3AH0200
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		2	2	2	2	2-1/4
STROKE		1-5/32	1-3/4	1-3/4	1-5/16	1-3/8
DISPLACEMENT CFH		442	339	339	492	664.2
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		80	80	80	80	96
NET WEIGHT		153	160	160	160	177
RATED BTUH @ SST LISTED	R12 45°F				20500	
	R12 0°F	7200				
	R12 -20°F					5650
	R22 45°F		20100			
	R22 25°F			14800		
	R502-20°F	6740				
MOTOR SIZE HP		2	2	2	2	2
ELECTRICAL DATA						
230 -1- 60	LRA	58.0	58.0	58.0	58.0	58.0
	RLA	10.0	10.4	10.9	10.1	9.3
	MCC	13.5	14.5	15.2	14.1	13.0
208-230 -3- 60	LRA	46.0	46.0	46.0	46.0	46.0
	RLA	6.6	6.6	6.8	6.3	6.6
	MCC	9.2	9.2	9.5	8.8	9.2
460 -3- 60	LRA	23.0	23.0	23.0	23.0	23.0
	RLA	3.5	3.5	3.6	3.4	3.7
	MCC	4.9	4.9	5.1	4.7	5.2

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,



**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3AJ0200	3AB0310	ERF0310	LAC0310	LAH0310
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		2-1/8	2	1-7/8	2-7/16	2-1/4
STROKE		1-3/8	1-3/8	1-3/8	1-7/16	1-7/16
DISPLACEMENT CFH		593.2	524	460	815	698
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		96	96	80	96	96
NET WEIGHT		177	179	177	210	210
RATED BTUH @ SST LISTED	R12 45°F					31700
	R12 0°F				13300	11200
	R12 -20°F	4500				
	R22 45°F					
	R22 25°F			22310		
	R502-20°F		7400		11600	9000
MOTOR SIZE HP		2	3	3	3	3
ELECTRICAL DATA						
230 -1- 60	LRA	58.0	86.0	86.0	86.0	86.0
	RLA	9.5	14.7	18.3	15.4	15.1
	MCC	13.3	20.6	FRN-25	21.5	21.1
208-230 -3- 60	LRA	46.0	82.0	82.0	82.0	82.0
	RLA	5.6	8.2	13.1	10.0	10.7
	MCC	7.8	11.5	FRN-20	12.9	15.0
460 -3- 60	LRA	23.0	41.0	41.0	41.0	41.0
	RLA	3.0	6.4	6.6	5.7	5.7
	MCC	4.2	7.7	FRS-12	8.0	8.0

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		LAL0310	LAM0310	NRB0310	NRD0310	NRN0310
NET OIL PRESSURE		N/A	N/A	20-60	20-60	20-60
CYLINDERS		2	2	2	2	2
BORE		2-3/8	2-7/16	2-1/4	2-7/16	2-3/16
STROKE		1-7/16	1-11/16	1-7/16	1-7/16	2-1/8
DISPLACEMENT CFH		775	952	698	815	970
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		96	96	80	80	80
NET WEIGHT		210	210	216	216	216
RATED BTUH @ SST LISTED	R12 45°F			30500		
	R12 0°F	12700		8500	12850	
	R12 -20°F		7840			9200
	R22 45°F					
	R22 25°F					
	R502-20°F				11600	
MOTOR SIZE HP		3	3	3	3	3
ELECTRICAL DATA						
230 -1- 60	LRA	86.0	86.0	84.0	84.0	84.0
	RLA	14.2	12.7	18.1	21.1	17.7
	MCC	19.9	17.7	25.3	28.9	24.8
208-230 -3- 60	LRA	82.0	82.0	82.0	82.0	82.0
	RLA	10.9	10.0	12.9	14.3	13.0
	MCC	15.3	14.0	18.1	18.0	18.2
460 -3- 60	LRA	41.0	41.0	41.0	41.0	41.0
	RLA	5.0	4.7	6.4	7.3	6.5
	MCC	7.0	6.6	9.0	10.1	9.1

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3RA0310	3RK0310	NRB0400	MRA0500	MRF0500
NET OIL PRESSURE		N/A	N/A	20-60	20-60	20-60
CYLINDERS		2	2	2	2	2
BORE		2-3/16	2-5/16	2-1/2	2-1/2	2-1/2
STROKE		1-3/8	1-3/8	1-7/16	1-13/16	1-13/16
DISPLACEMENT CFH		628	701	698	1080	1080
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		96	96	80	112	112
NET WEIGHT		177	185	231	266	269
RATED BTUH @ SST LISTED	R12 45°F		29700			48600
	R12 0°F		9500		16000	15000
	R12 -20°F					
	R22 45°F	M		50200		
	R22 25°F			30500		
	R502 0°F	14200			27500	
MOTOR SIZE HP		3	3	4	5	5
ELECTRICAL DATA						
230 -1- 60	LRA	86.0	86.0	131.0	125.0	125.0
	RLA	17.8	18.3	32.9	27.5	23.5
	MCC	24.9	27.5	46.1	34.7	35.3
208-230 -3- 60	LRA	82.0	82.0	141.0	115.5	115.0
	RLA	13.1	11.8	21.8	22.0	21.0
	MCC	18.4	16.5	30.6	27.5	28.0
460 -3- 60	LRA	41.0	41.0	62.5	53.0	53.0
	RLA	6.6	5.2	11.3	8.6	8.7
	MCC	9.3	7.3	15.8	12.0	11.6

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		MRB0500	MRG0500	NRA0500	NRL0500	NRM0500
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		2	2	2	2	2
BORE		2-5/8	2-7/16	2-7/16	2-7/16	2-3/16
STROKE		1-13/16	1-13/16	1-7/16	2-1/8	2-1/8
DISPLACEMENT CFH		1191	1020	815	1208	970
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		112	112	80	80	80
NET WEIGHT		269	269	231	236	231
RATED BTUH @ SST LISTED	R12 45°F				M	
	R12 0°F	19100				
	R22 45°F			57500		
	R22 25°F		M	35730		44000
	R502-20°F	18100			E	
	R502 0°F					23600
MOTOR SIZE HP		5	5	5	5	5
ELECTRICAL DATA						
230 -1- 60	LRA	125.0		131.0	131.0	131.0
	RLA	27.5		34.3	36.5	36.5
	MCC	34.7		48.0	FRN-50	49.2
208-230 -3- 60	LRA	115.0		141.0	141.0	141.0
	RLA	21.2		19.2	24.3	24.3
	MCC	29.4		26.9	FRN-35	30.8
460 -3- 60	LRA	53.0		62.5	62.5	62.5
	RLA	12.1		9.6	12.1	12.1
	MCC	16.9		13.5	FRS-17.5	15.4

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		9RA0505	9RB0505	9RJ0505	MRH0760	MRG0750
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	2	2
BORE		2-3/16	2-3/8	2-3/16	2-9/16	2-7/16
STROKE		2	2	2	1-13/16	1-13/16
DISPLACEMENT CFH		1375	1620	1375	1136	1020
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		115	115	115	112	112
NET WEIGHT		309	309	309	281	291
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F	17.8				
	R12 -20°F		14.5	10.2		
	R22 45°F				82.0	H
	R22 25°F					
	R502-20°F					
MOTOR SIZE HP		5	5	5	7-1/2	7-1/2
ELECTRICAL DATA						
230 -1- 60	LRA	125.0	125.0	125.0	---	---
	RLA	26.9	24.2	23.4	---	---
	MCC	37.7	36.3	35.2	---	---
208-230 -3- 60	LRA	115.0	115.0	115.0	164.0	164.0
	RLA	16.7	15.9	16.9	30.3	32.8
	MCC	23.4	22.3	22.3	41.4	FRN-60
460 -3- 60	LRA	53.0	53.0	53.0	82.0	82.0
	RLA	8.6	7.9	7.9	13.5	15.9
	MCC	12.1	11.1	11.1	18.3	FRN-25

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4RA-0750	9RA0760	9RB0765	9RC0765	9RP0765
CAPACITY CONTROL		NO	NO	NO	NO	YES
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	3	3	3	3
BORE		2-1/2	2-3/16	2-3/8	2-3/8	2-3/8
STROKE		2	2	2	2	2
DISPLACEMENT CFH		2380	1375	1620	1620	1620
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		168	144	144	144	144
NET WEIGHT		364	318	318	318	318
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F			27.7	22.0	22.0
	R12 -20°F	20.8				
	R22 45°F					
	R22 25°F		32.5			
	R502-20°F			23.6		
MOTOR SIZE HP		7-1/2	7-1/2	7-1/2	7-1/2	7-1/2
ELECTRICAL DATA						
208-230 -3- 60	LRA	172	164.0	164.0	164.0	164.0
	RLA	27.6	30.0	29.9	30.6	30.6
	MCC	38.6	39.9	44.1	45.7	46.0
460 -3- 60	LRA	86.0	82.0	82.0	82.0	82.0
	RLA	13.8	14.1	15.4	15.8	14.1
	MCC	19.3	18.1	21.2	22.1	19.8
575 -3- 60	LRA	65.0	63.8	63.0	63.0	63.8
	RLA	11.9	14.0	14.0	14.0	14.0
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		9RS0765	9RY0765	9RJ0765	4RA1000	4RE1000
CAPACITY CONTROL		NO	YES	NO	NO	YES
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	4	4
BORE		2-7/16	2-7/16	2-3/16	2-1/2	2-1/2
STROKE		2-1/2	2-1/2	2	2	2
DISPLACEMENT CFH		2120	2120	1375	2380	2380
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		144	144	144	168	168
NET WEIGHT		333	345	318	369	374
RATED BTUH @ SST LISTED X 1000	R12 45°F				106.0	106.0
	R12 0°F	33.8	M		39.7	39.7
	R12 -20°F					
	R22 45°F					
	R22 25°F			66.0		
	R502-20°F		L	19.5	37.4	37.4
MOTOR SIZE HP		7-1/2	7-1/2	7-1/2	10	10
ELECTRICAL DATA						
208-230 -3- 60	LRA	164.0	164.0	164.0	240.0	240.0
	RLA	29.4	32.8	29.6	54.8	54.8
	MCC	39.4	FRN-60	40.2	76.8	76.8
460 -3- 60	LRA	82.0	82.0	82.0	120.0	120.0
	RLA	16.5	15.9	14.7	27.4	27.4
	MCC	22.1	FRN-25	20.6	38.4	38.4
575 -3- 60	LRA	63.0		63.0	106.0	106.0
	RLA	14.0		10.7	19.8	19.8
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6RA1000	9RA1000	9RC1015	9RP1015	9RS1015
CAPACITY CONTROL		NO	NO	NO	YES	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	3	3	3	3
BORE		2-1/2	2-3/16	2-3/8	2-3/8	2-7/16
STROKE		2	2	2	2	2-1/2
DISPLACEMENT CFH		3580	1375	1620	1620	2120
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		184	144	144	144	144
NET WEIGHT		415	345	345	345	345
RATED BTUH @ SST LISTED X 1000	R12 45°F					99.5
	R12 0°F					32.5
	R12 -20°F	33.2				
	R22 45°F		H	120.0	120.0	
	R22 25°F					
	R502-20°F					31.7
MOTOR SIZE HP		10	10	10	10	10
ELECTRICAL DATA						
208-230 -3- 60	LRA	240.0	208.0	208.0	208.0	208.0
	RLA	43.6	44.8	42.8	41.4	44.8
	MCC	61.0	FRN-80	58.0	58.0	62.7
460 -3- 60	LRA	120.0	104.0	104.0	104.0	104.0
	RLA	21.8	22.1	21.1	20.6	22.1
	MCC	30.5	FRN-40	28.8	28.8	31.0
575 -3- 60	LRA	106.0	63.8	88.2	88.2	88.2
	RLA	19.8	14.0	18.0	18.0	18.0
	MCC		FRS20			

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,



**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4RH1500	4RK1500	4RL1500	9RS1505	9RT1505
CAPACITY CONTROL		NO	YES	NO	NO	YES
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	4	3	3
BORE		2-11/16	2-11/16	2-11/16	2-7/16	2-7/16
STROKE		2-3/16	2-3/16	2-3/16	2-1/2	2-1/2
DISPLACEMENT CFH		3020	3020	3020	2120	2120
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		136	136	136	144	144
NET WEIGHT		407	412	407	365	371
RATED BTUH @ SST LISTED X 1000	R12 45°F	148.9	148.9			
	R12 0°F	50.3	50.3			
	R22 0°F					
	R22 45°F				156.0	156.0
	R22 25°F				98.2	
	R502 0°F			78.0	50.8	
MOTOR SIZE HP		15	15	15	15	15
ELECTRICAL DATA						
208-230 -3- 60	LRA	278.0	278.0	278.0	284.0	284.0
	RLA	63.3	63.3	62.6	62.0	62.0
	MCC	88.2	88.2	87.7	86.9	86.9
460 -3- 60	LRA	139.0	139.0	139.0	144.0	144.0
	RLA	31.5	31.5	31.3	29.8	29.8
	MCC	44.1	44.1	43.9	41.7	41.7
575 -3- 60	LRA	113.0	113.0	113.0	127.0	127.0
	RLA	24.2	24.2	24.2	28.0	28.0
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4RA2000	4RE2000	6RA2000	6RE2000	6RN2000
CAPACITY CONTROL		NO	ONE	NO	ONE	TWO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	6	6	6
BORE		2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
STROKE		2	2	2	2	2
DISPLACEMENT CFH		2380	2380	3580	3580	3580
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		136	136	160	160	160
NET WEIGHT		394	403	425	430	435
RATED BTUH @ SST LISTED X 1000	R12 45°F			166.7	166.7	166.7
	R12 0°F					
	R12 -20°F					
	R22 45°F	186.1	186.1			
	R22 25°F	118.9	118.9			
	R502 0°F	66.2		91.6		
MOTOR SIZE HP		20	20	20	20	20
ELECTRICAL DATA						
208-230 -3- 60	LRA	308.0	308.0	308.0	308.0	308.0
	RLA	71.4	71.4	67.3	67.3	67.3
	MCC	100.0	100.0	91.6	91.6	91.6
460 -3- 60	LRA	154.0	154.0	154.0	154.0	154.0
	RLA	35.7	35.7	33.7	33.7	33.7
	MCC	50.0	50.0	45.8	45.8	45.8
575 -3- 60	LRA	135.0	135.0	135.0	135.0	135.0
	RLA	29.2	29.2	29.5	29.5	29.5
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6RH2000	6RK2000	6RP2000	4RH2500	4RK2500
CAPACITY CONTROL		NO	ONE	TWO	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	6	6	4	4
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		2-3/16	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		4530	4530	4530	3020	3020
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		160	160	160	152	152
NET WEIGHT		430	435	440	415	427
RATED BTUH @ SST LISTED X 1000	R12 45°F	195.9	195.9	195.9		
	R12 0°F	69.3				
	R12 -20°F					
	R22 45°F				231.2	231.2
	R502 0°F				72.4	
	R502-20°F					
MOTOR SIZE HP		20	20	20	25	25
ELECTRICAL DATA						
208-230 -3- 60	LRA	308.0	308.0	308.0	428.0	428.0
	RLA	72.0	72.0	72.0	88.5	88.5
	MCC	100.8	100.8	100.8	121.5	124.0
460 -3- 60	LRA	154.0	154.0	154.0	214.0	214.0
	RLA	36.0	36.0	36.0	44.3	44.3
	MCC	50.4	50.4	50.4	60.8	62.0
575 -3- 60	LRA	135.0	135.0	135.0	160.0	160.0
	RLA	28.0	28.0	28.0	34.8	34.8
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6RL2500	4RJ3000	4RR3000	6RA3000	6RE3000
CAPACITY CONTROL		NO	NO	ONE	NO	TWO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	4	4	6	6
BORE		2-11/16	2-15/16	2-15/16	2-1/2	2-1/2
STROKE		2-3/16	2-3/16	2-3/16	2	2
DISPLACEMENT CFH		4530	3603	3603	3580	3580
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		160	152/234	152/234	160	160
NET WEIGHT		460	470	470	475	479
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R12 -20°F					
	R22 45°F		270.0	270.0	279.9	279.9
	R502 0°F		84.5		95.9	
	R502-20°F	68.7				
MOTOR SIZE HP		25	30	30	30	30
ELECTRICAL DATA						
208-230 -3- 60	LRA	428.0	470.0	470.0	470.0	470.0
	RLA	96.9	102.0	102.0	105.0	105.0
	MCC	135.7	135.0	135.0	146.0	146.0
460 -3- 60	LRA	214.0	235.0	235.0	235.0	235.0
	RLA	48.5	51.0	51.0	52.5	52.5
	MCC	67.9	67.5	67.5	73.0	73.0
575 -3- 60	LRA	160.0	200.0	200.0	200.0	200.0
	RLA	34.8	42.2	42.2	50.0	50.0
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6RN3000	6RT3000	6RH3500	6RK3500	6RP3500
CAPACITY CONTROL		TWO	N0	NO	ONE	TWO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	6	6	6	6
BORE		2-1/2	2-15/16	2-11/16	2-11/16	2-11/16
STROKE		2	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		3580	5404	4530	4530	4530
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		160	242	160	160	160
NET WEIGHT		479	525	484	496	506
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R12 -20°F					
	R22 45°F	279.9		353.5	353.5	353.5
	R22 25°F					
	R502 0°F		76.5	113.2		
MOTOR SIZE HP		30	30	35	35	35
ELECTRICAL DATA						
208-230 -3- 60	LRA	470.0	470.0	556.0	556.0	556.0
	RLA	105.0	111.0	135.0	135.0	135.0
	MCC	146.0	155.3	188.0	188.0	188.0
460 -3- 60	LRA	235.0	235.0	283.0	283.0	283.0
	RLA	52.5	55.5	67.5	67.5	67.5
	MCC	73.0	77.7	94.0	94.0	94.0
575 -3- 60	LRA	200.0	200.0	230.0	230.0	230.0
	RLA	50.0	50.0	50.2	50.2	50.2
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6RJ4000	6RR4000	6RS4000	8RP5000	8RS6000
CAPACITY CONTROL		NO	ONE	TWO	TWO	TWO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	6	6	8	8
BORE		2-15/16	2-15/16	2-15/16	2-11/16	2-15/16
STROKE		2-3/16	2-3/16	2-3/16	2-11/32	2-11/32
DISPLACEMENT CFH		5404	5404	5404	6429	7609
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		242	242	242	260	260
NET WEIGHT		535	541	538	660	715
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R12 -20°F					
	R22 45°F	385.0	385.0	385.0	527.0	577.0
	R22 25°F					
	R502-20°F	120.0				
MOTOR SIZE HP		40	40	40	50	60
ELECTRICAL DATA						
208-230 -3- 60	LRA	594.0	594.0	594.0	1118.0	1070.0
	RLA	142.0	142.0	142.0	191.1	219.0
	MCC	198.0	198.0	198.0	267.0	306.0
460 -3- 60	LRA	297.0	297.0	297.0	559.0	553.0
	RLA	71.0	71.0	71.0	96.0	109.0
	MCC	99.0	99.0	99.0	134.0	153.0
575 -3- 60	LRA	225.0	225.0	225.0		
	RLA	53.6	53.6	53.6		
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

**TWO STAGE COMPRESSORS**

MODEL		9TK0505	9TL0765	9TH1015	6RB1000	6RB2000
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	6	6
BORE		2-3/16	2-3/8	2-7/16	2-1/2	2-1/2
STROKE		2	2	2-1/2	2	2
DISPLACEMENT CFH		1375	1620	2120	3580	3580
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		144	144	144	184	160
NET WEIGHT		340	350	358	415	420
RATED BTUH @ SST LISTED X 1000	R12 0°F					
	R22 -20°F	19.1	22.3	29.3	47.5	
	R502-20°F	19.5	21.8	29.5		48.6
	R502-60°F	6.6	7.5	10.3		15.0
MOTOR SIZE HP		5	7-1/2	10	10	20
ELECTRICAL DATA						
208-230 -3- 60	LRA	115.0	164.0	208.0	240.0	308.0
	RLA	19.6	30.0	37.3	43.3	61.4
	MCC	25.2	40.4	52.3	60.6	82.0
460 -3- 60	LRA	53.0	82.0	104.0	120.0	154.0
	RLA	8.3	14.5	20.1	21.7	30.7
	MCC	11.3	19.5	27.0	30.3	41.0
575 -3- 60	LRA	42.0	63.8	88.2	106.0	135.0
	RLA	7.8	14.0	18.0	19.8	29.5
	MCC					

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,

**PHYSICAL DATA  
MANUFACTURER COPELAND**

**TWO STAGE COMPRESSORS**

MODEL		6TM2000				
NET OIL PRESSURE		20-60				
CYLINDERS		6				
BORE		2-11/16				
STROKE		2-3/16				
DISPLACEMENT CFH		4530				
OIL GRADE		150				
OIL CHARGE OZ.		160				
NET WEIGHT		420				
RATED BTUH @ SST LISTED X 1000	R12 0°F					
	R22 -20°F	62.0				
	R502-20°F	62.0				
	R502-60°F	20.0				
MOTOR SIZE HP		20				
ELECTRICAL DATA						
208-230	LRA	308.0				
-3-	RLA	65.7				
60	MCC	92.0				
460	LRA	154.0				
-3-	RLA	32.9				
60	MCC	46.0				
575	LRA	135.0				
-3-	RLA	29.5				
60	MCC					

25.4 millimeters is equal to 1 inch vacuum.  
29 inches vacuum is equivalent to 25,400 microns.  
29.996 inches vacuum is equal to 100 microns.  
Acceptable vacuum reading on a system cannot be taken with a compound gauge.

Conditions: 130° Condensing Temperature, 0° Subcooling, 65° RGT,



**PHYSICAL DATA  
MANUFACTURER COPELAND**

MODEL		MDD0300	MDD0300	2DF0300	2DL0400	MDA0500
		1160RPM	1750RPM			
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		2	2	2	2	2
BORE		2-5/8	2-1/2	2-5/8	2-1/2	2-1/2
STROKE		1-13/16	1-3/8	1-3/8	1-11/16	1-13/16
DISPLACEMENT CFH		789	823	907	1008	1080
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		112/136	112/136	80	80	112/136
NET WEIGHT		280	280	301	324	275
RATED BTUH @ SST LISTED X 1000	R12 45°F	42.4	43.1			56.7
	R12 0°F	15.3	15.7			20.7
	R134a 45°F			47.7		
	R22 -20°F			11.5	13.8	
	R404a -20°F			13.5	16.5	
	R502-20°F	14.2	13.9			
MOTOR SIZE HP		3	3	3	4	5
ELECTRICAL DATA						
208-230 -3- 60	LRA	99.0	102.0	102.0	161.0	115.0
	RLA	19.0	15.5	16.8	26.3	19.3
	MCC	26.6	21.1	23.6	33.8	27.0
460 -3- 60	LRA	41.0	52.0	52.0	60.0	53.0
	RLA	9.1	7.7	8.1	10.2	11.4
	MCC	12.8	10.5	10.5	12.2	16.0
575 -3- 60	LRA			41.0	49.0	45.0
	RLA			6.7	7.7	9.5
	MCC			8.4	10.5	13.0

Conditions: 130° SCT, 0° to 15° SC, Superheat varies, 65° RGT.  
MDC1 & MDD1 are 1160 RPM, MDC2 & MDD2 are 1750 RPM.

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		MDB0500	MDC0500	MDC0500	MDD0500	MDD0500
			1160RPM	1750RPM	1160RPM	1750RPM
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		2	2	2	2	2
BORE		2-5/8	2-1/2	2-1/2	2-5/8	2-1/2
STROKE		1-13/16	1-13/16	1-13/64	1-13/16	1-3/8
DISPLACEMENT CFH		1191	716	716	789	823
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		112/136	112/136	112/136	112/136	112/136
NET WEIGHT		275	280	280	280	280
RATED BTUH @ SST LISTED X 1000	R12 45°F	M				
	R12 0°F	23.4				
	R12 -20°F					
	R22 45°F			57.6		68.1
	R22 25°F		38.1	38.1	42.8	42.8
	R502 20°F			33.3		39.1
MOTOR SIZE HP		5	5	5	5	5
ELECTRICAL DATA						
208-230 -3- 60	LRA	115.0	130.0	115.0	130.0	150.0
	RLA	18.3	28.6	20.4	28.6	25.9
	MCC	25.6	40.0	26.5	40.0	33.5
460 -3- 60	LRA	53.0	65.0	53.0	65.0	75.0
	RLA	11.4	12.0	12.0	12.0	11.5
	MCC	16.0	16.8	15.2	16.8	14.3
575 -3- 60	LRA	45.0				
	RLA	9.5				
	MCC	13.0				

Conditions: 130° SCT, 0° to 15° SC, Superheat varies, 65° RGT.  
MDC1 & MDD1 are 1160 RPM, MDC2 & MDD2 are 1750 RPM.

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		2DA0500	2DB0500	2DC0500	2DD0500	3DA0500
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		2	2	2	2	3
BORE		2-9/16	2-5/8	2-1/2	2-1/2	2-3/16
STROKE		1-13/16	1-13/16	1-13/64	1-3/8	2
DISPLACEMENT CFH		1133	1190	716	823	1375
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		80	80	80/110	80/110	125
NET WEIGHT		280	301	300	290	330
RATED BTUH @ SST LISTED X 1000	R12 45°F	58.1				
	R12 0°F					25.0
	R12 -20°F					13.5
	R22 45°F			62.7	72.8	
	R404a 20°F			30.2	36.6	
	R502-20°F					
MOTOR SIZE HP		5	5	5	5	5
ELECTRICAL DATA						
208-230 -3- 60	LRA	120.0	120.0	120.0	120.0	115.0
	RLA	22.3	19.2	22.3	22.3	18.6
	MCC	31.2	26.8	31.2	31.2	24.0
460 -3- 60	LRA	60.0	60.0	60.0	60.0	58.0
	RLA	10.4	10.2	10.4	10.5	11.0
	MCC	14.5	14.3	14.6	14.7	12.8
575 -3- 60	LRA	49.0	49.0	49.0	49.0	43.0
	RLA	7.9	7.6	7.7	7.9	7.9
	MCC	11.1	10.6	10.8	11.1	9.9

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3DE0500	3DB0500	9DA0500	9DB0500	MDA0600
MODULOAD		MED 12	NO	NO	NO	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	3	2
BORE		2-3/16	2-3/8	2-3/16	2-3/8	2-1/2
STROKE		2	2	2	2	1-13/16
DISPLACEMENT CFH		1375	1620	1375	1620	1080
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		125	125	144	144	112/136
NET WEIGHT		330	330	315	315	285
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F	M	30.5	M/L		
	R12 -20°F		16.9		L	
	R22 45°F					
	R22 25°F					
	R502 20°F					20.3
MOTOR SIZE HP		5	5	5	5	6
ELECTRICAL DATA						
208-230 -3- 60	LRA	115.0	115.0	115.0	115.0	150.0
	RLA	18.6	18.0	18.3	18.3	25.0
	MCC	24.0	25.2	FRN25	FRN25	35.0
460 -3- 60	LRA	58.0	58.0	53.0	53.0	53.0
	RLA	11.0	10.1	10.0	10.0	11.8
	MCC	12.8	14.1	FRN15	FRN15	16.5
575 -3- 60	LRA	43.0	43.0	45.0	45.0	45.0
	RLA	7.9	7.5	9.5	9.5	9.5
	MCC	9.9	10.5	FRN15	FRN15	13.0

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		MDB0600	2DA0600	2DB0600	3DA0600	3DH0600
MODULOAD		NO	NO	NO	NO	LOW502
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		2	2	2	2	2
BORE		2-5/8	2-9/16	2-5/8	2-3/16	2-3/16
STROKE		1-13/16	1-13/16	1-13/16	2	2
DISPLACEMENT CFH		1190	1138	1190	1375	1375
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		112/136	80	80	125	125
NET WEIGHT		285	323	323	370	370
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R134a 45°F		59.8	62.8	72.0	
	R22 -20°F		15.8	17.7	20.2	
	R404a -20°F		19.5	21.0	23.6	
	R502-20°F	22.5			23.9	L
MOTOR SIZE HP		6	6	6	6	6
ELECTRICAL DATA						
208-230 -3- 60	LRA	150.0	161.0	161.0	150.0	150.0
	RLA	25.0	28.8	28.2	26.5	26.5
	MCC	35.0	35.6	35.6	37.1	37.1
460 -3- 60	LRA	53.0	60.0	80.0	77.0	77.0
	RLA	11.4	10.2	13.3	12.0	12.0
	MCC	16.0	13.6	18.0	16.8	16.8
575 -3- 60	LRA	45.0	49.0	63.0	62.0	62.0
	RLA	9.5	9.1	9.6	10.5	10.5
	MCC	13.0	11.8	13.4	14.7	14.7

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		9DA0600	MDA0750	2DL0750	2DA0750	3DA0750
CAPACITY CONTROL		NO	NO	NO	NO	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	2	2	2	3
BORE		2-3/16	2-1/2	2-1/2	2-9/16	2-3/16
STROKE		2	1-13/16	1-11/16	1-13/16	2
DISPLACEMENT CFH		1375	1080	1008	1134	1375
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		144	112/136	80/110	80/110	125
NET WEIGHT		335	295	290	300	345
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R12 -20°F					
	R22 45°F		90.7	90.8	103.0	123.9
	R404a 20°F			45.7	53.1	63.8
	R502 0°F		34.7			42.6
MOTOR SIZE HP		6	7-1/2	7-1/2	7-1/2	7-1/2
ELECTRICAL DATA						
208-230 -3- 60	LRA	150.0	175.0	169.0	169.0	215.0
	RLA	25.0	28.6	31.6	32.0	41.0
	MCC	FRN40	40.0	44.2	44.8	55.0
460 -3- 60	LRA	53.0	75.0	85.0	85.0	106.0
	RLA	11.8	15.7	13.8	14.1	20.0
	MCC	FRN15	22.0	19.3	19.4	26.8
575 -3- 60	LRA	45.0	60.0	67.0	67.0	84.0
	RLA	9.5	12.6	13.2	14.3	16.5
	MCC	FRN15	17.6	18.5	18.5	21.0

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3DE0750	3DB0750	3DJ0750	3DP0750	3DF0750
MODULOAD		HI 22	NO	LO 502	HI 12	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	3	3
BORE		2-3/16	2-3/8	2-3/8	2-3/8	2-5/16
STROKE		2	2	2	2	2-1/2
DISPLACEMENT CFH		1375	1620	1620	1620	1915
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		125	125	125	125	125
NET WEIGHT		345	368	368	368	359
RATED BTUH @ SST LISTED X 1000	R12 45°F		83.0		M/H	L
	R134a 45°F		84.8			
	R22 -20°F		25.6			
	R22 45°F	123.9				
	R22 25°F					65.4
	R502 0°F	42.6	48.1			
MOTOR SIZE HP		7-1/2	7-1/2	7-1/2	7-1/2	7-1/2
ELECTRICAL DATA						
208-230 -3- 60	LRA	215.0	161.0	161.0	161.0	161.0
	RLA	41.0	31.5	31.5	31.5	30.7
	MCC	55.0	43.0	43.0	43.0	37.0
460 -3- 60	LRA	106.0	83.0	83.0	83.0	83.0
	RLA	20.0	16.1	16.1	16.1	15.0
	MCC	26.8	20.0	20.0	20.0	19.8
575 -3- 60	LRA	84.0	67.0	67.0	67.0	---
	RLA	16.5	11.0	11.0	11.0	---
	MCC	21.0	15.4	15.4	15.4	---

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3DK0750	3DS0750	3DT0750	9DA0750	9DE0750
MODULOAD		MED 12	NO	MED 12	NO	BYPASS
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	3	3
BORE		2-5/16	2-7/16	2-7/16	2-3/16	2-3/16
STROKE		2-1/2	2-1/2	2-1/2	2	2
DISPLACEMENT CFH		1915	2120	2120	1375	1375
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		125	125	125	144	144
NET WEIGHT		359	355	355		
RATED BTUH @ SST LISTED X 1000	R12 45°F		L			
	R12 0°F	M		M		
	R12 -20°F					
	R22 45°F				119.3	
	R22 25°F		72.8			
	R502-20°F					
MOTOR SIZE HP		7-1/2	7-1/2	7-1/2	7-1/2	7-1/2
ELECTRICAL DATA						
208-230 -3- 60	LRA	161.0	161.0	161.0	175.0	175.0
	RLA	30.7	32.0	32.0	36.5	36.5
	MCC	37.0	30.5	30.5	51.0	51.0
460 -3- 60	LRA	83.0	83.0	83.0	75.0	75.0
	RLA	15.0	16.4	16.4	15.4	15.4
	MCC	19.8	19.5	19.5	21.6	21.6
575 -3- 60	LRA	---	67.0	67.0		
	RLA	---	11.5	11.5		
	MCC	---	16.1	16.1		

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee



**PHYSICAL DATA  
MANUFACTURER COPELAND**

MODEL		9DB0750	9DS0750	3DF0900	3DG0900	3DK0900
MODULOAD		NO	N0	NO	LO 502	HI 12
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	3	3
BORE		2-3/8	2-7/16	2-5/16	2-5/16	2-5/16
STROKE		2	2-1/2	2-1/2	2-1/2	2-1/2
DISPLACEMENT CFH		1620	2120	1913	1913	1913
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		144	144	125	125	125
NET WEIGHT		340	355	350	350	350
RATED BTUH @ SST LISTED X 1000	R12 45°F	81.3		98.3		H/M
	R12 0°F			65.5		
	R134a 45°F			99.4		
	R22 -20°F			30.4		
	R404a-20°F			35.5		
	R502-20°F			35.6	L	
MOTOR SIZE HP		7-1/2	7-1/2	9	9	9
ELECTRICAL DATA						
208-230 -3- 60	LRA	175.0	175.0	215.0	215.0	215.0
	RLA	32.1	30.	39.0	39.0	39.0
	MCC	FRN60	FRN50	50.0	50.0	50.0
460 -3- 60	LRA	7.5	86.0	106.0	106.0	106.0
	RLA	14.3	16.1	16.9	16.9	16.9
	MCC	FRN20	FRS25	21.8	21.8	21.8
575 -3- 60	LRA	60.0		84.0	84.0	84.0
	RLA	11.0		16.5	16.5	16.5
	MCC	FRS17.5		22.0	22.0	22.0

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3DB1000	3DP1000	3DS1000	3DR1000	3DT1000
MODULOAD		NO	HI 22	NO	LO 502	HI 12
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	3	3
BORE		2-3/8	2-3/8	2-7/16	2-7/16	2-7/16
STROKE		1-13/16	1-13/16	2-1/2	2-1/2	2-1/2
DISPLACEMENT CFH		1620	1620	2120	2120	2120
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		125	125	125	125	125
NET WEIGHT						
RATED BTUH @ SST LISTED X 1000	R12 45°F			110.0		110.0
	R134a 45°F			110.4		
	R22 -20°F		H		33.1	
	R22 45°F	135.8				
	R502 0°F	50.3				
	R502-20°F		M	40.1	40.1	
MOTOR SIZE HP		10	10	10	10	10
ELECTRICAL DATA						
208-230 -3- 60	LRA	215.0	215.0	215.0	215.0	215.0
	RLA	43.6	43.6	42.0	42.0	42.0
	MCC	61.0	61.0	58.0	58.0	58.0
460 -3- 60	LRA	106.0	106.0	106.0	106.0	106.0
	RLA	20.0	20.0	16.6	16.6	16.6
	MCC	27.0	27.0	25.0	25.0	25.0
575 -3- 60	LRA	84.0	84.0	84.0	84.0	84.0
	RLA	16.5	16.5	16.8	16.8	16.8
	MCC	23.1	23.1	21.5	21.5	21.5

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4DA1000	4DE1000	9DB1000	9DP1000	9DS1000
CAPACITY CONTROL		NO	ONE	NO	BYPASS	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	3	3	3
BORE		2-1/2	2-1/2	2-3/8	2-3/8	2-7/16
STROKE		2	2	2	2	2-1/2
DISPLACEMENT CFH		2380	2380	1620	1620	2120
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		140	140	144	144	144
NET WEIGHT		375	375	355	355	355
RATED BTUH @ SST LISTED X 1000	R12 45°F	122.8	122.8			H
	R12 0°F	46.0	46.0			
	R22 -20°F					
	R22 45°F			140.0		
	R404a-20°F	39.8				
	R502-20°F	40.1	40.1			L
MOTOR SIZE HP		10	10	10	10	10
ELECTRICAL DATA						
208-230 -3- 60	LRA	240	240	208.0	208.0	208.0
	RLA	53.6	53.6	42.8	42.8	41.4
	MCC	75.0	75.0	FRN80	FRN80	FRN80
460 -3- 60	LRA	110.0	110.0	86.0	86.0	86.0
	RLA	25.7	25.7	20.0	20.0	17.9
	MCC	36.0	36.0	FRS30	FRS30	FRS30
575 -3- 60	LRA	106.0	106.0	72.0	72.0	70.0
	RLA	20.0	20.0	15.0	15.0	15.0
	MCC	28.0	28.0	FRS20	FRS20	FRS20

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		3DF1200	3DS1500	3DT1500	4DH1500	4DK1500
MODULOAD		NO	NO	YES	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		3	3	3	4	4
BORE		2-5/16	2-7/16	2-7/16	2-11/16	2-11/16
STROKE		2-1/2	2-1/2	2-1/2	2-3/16	2-3/16
DISPLACEMENT CFH		1913	2120	2120	3020	3020
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		125	125	125	135	135
NET WEIGHT		360	400	400	435	435
RATED BTUH @ SST LISTED X 1000	R12 45°F				151.6	151.6
	R134a 45°F				156.2	156.2
	R12 -20°F					
	R22 45°F		194.0	194.0		
	R404a 20°F	93.0	103.0	103.0		
	R502 0°F		68.6	M		
MOTOR SIZE HP		12	15	15	15	15
ELECTRICAL DATA						
208-230 -3- 60	LRA	275.0	275.0	275.0	278.0	278.0
	RLA	48.2	59.6	59.6	64.1	64.1
	MCC	67.4	80.0	80.0	86.0	86.0
460 -3- 60	LRA	138.0	138.	138.	136.0	136.0
	RLA	23.6	29.0	29.0	32.9	32.9
	MCC	33.0	40.6	40.6	46.1	46.1
575 -3- 60	LRA		110.0	110.0	113.0	113.0
	RLA		23.6	23.6	24.3	24.3
	MCC		33.0	33.0	34.0	34.0

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4DL1500	4DP1500	9DS1500	9DT1500	4DA2000
CAPACITY CONTROL		NO	ONE	NO	BYPASS	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	3	3	4
BORE		2-11/16	2-11/16	2-7/16	2-7/16	2-1/2
STROKE		2-3/16	2-3/16	2-1/2	2-1/2	2
DISPLACEMENT CFH		3020	3020	2120	2120	2380
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		135	135	144	144	135
NET WEIGHT		464	464	435	435	400
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R22 45°F			180.0	180.0	216.0
	R502 0°F					72.1
	R502-20°F	51.6	51.6	M		
	R404a 20°F					103.5
MOTOR SIZE HP		15	15	15	15	20
ELECTRICAL DATA						
208-230 -3- 60	LRA	278.0	278.0	284.0	284.0	308.0
	RLA	52.6	52.6	57.1	57.1	66.0
	MCC	65.0	65.0	FRN90	FRN90	93.2
460 -3- 60	LRA	139.0	139.0	144.0	144.0	154.0
	RLA	26.3	26.3	28.6	28.6	33.0
	MCC	32.5	32.5	FRS50	FRS50	46.6
575 -3- 60	LRA	113.0	113.0	125.0	125.0	135.0
	RLA	20.9	20.9	23.5	23.5	24.7
	MCC	25.0	25.0	FRS40	FRS40	34.6

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4DE2000	4DJ2000	4DR2000	6DH2000	6DK2000
CAPACITY CONTROL		ONE	NO	ONE	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	4	6	6
BORE		2-1/2	2-15/16	2-15/16	2-11/16	2-11/16
STROKE		2	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		2380	3603	3603	4530	4530
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		135	135	135	140	140
NET WEIGHT		400	405	405	435	435
RATED BTUH @ SST LISTED X 1000	R12 45°F		188.2	188.2	237.2	237.2
	R12 0°F		67.2	67.2	84.4	84.4
	R22 45°F	216.0				
	R502 0°F	72.1				
	R502-20°F					
	R404a 20°F	103.5				
MOTOR SIZE HP		20	20	20	20	20
ELECTRICAL DATA						
208-230 -3- 60	LRA	308.0	346.0	346.0	346.0	346.0
	RLA	66.0	71.4	71.4	75.0	75.0
	MCC	93.2	100.0	100.0	105.0	105.0
460 -3- 60	LRA	154.0	173.0	173.0	173.0	173.0
	RLA	33.0	32.9	32.9	37.5	37.5
	MCC	46.6	46.0	46.0	52.5	52.5
575 -3- 60	LRA	135.0	135.0	135.0	135.0	135.0
	RLA	24.7	30.0	30.0	30.0	30.0
	MCC	34.6	42.0	42.0	42.0	42.0

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6DP2000	4DB2200	4DC2200	4DT2200	4DS2200
CAPACITY CONTROL		TWO	NO	ONE	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	4	4	4	4
BORE		2-11/16	2-11/16	2-11/16	2-15/16	2-15/16
STROKE		2-3/16	2	2	2-3/16	2-3/16
DISPLACEMENT CFH		4530	2758	2758	3604	3604
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		140	135	135	135	135
NET WEIGHT		435	470	470	425	425
RATED BTUH @ SST LISTED X 1000	R12 45°F	237.2				
	R12 0°F	84.4				
	R22 45°F			247.3		
	R502 0°F					
	R502-20°F				64.8	64.8
	R404a 20°F					
MOTOR SIZE HP		20	22	22	22	22
ELECTRICAL DATA						
208-230 -3- 60	LRA	346.0	374.0	374.0	374.0	374.0
	RLA	75.0	65.6	65.6	66.0	66.0
	MCC	105.0	91.8	91.8	72.0	72.0
460 -3- 60	LRA	173.0	187.0	187.0	187.0	187.0
	RLA	37.5	32.8	32.8	33.0	33.0
	MCC	52.5	45.9	45.9	36.0	36.0
575 -3- 60	LRA	135.0	135.0	135.0	135.0	135.0
	RLA	30.0	26.5	26.5	24.2	24.2
	MCC	42.0	37.1	37.1	27.5	27.5

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4DH2500	4DK2500	6DL2700	6DC2700	6DD2700
CAPACITY CONTROL		NO	ONE	NO	ONE	TWO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	6	6	6
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		2-3/16	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		3020	3020	4530	4530	4530
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		135	135	140	140	140
NET WEIGHT		420	420	566	566	566
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R22 45°F	273.0	273.0			
	R502 0°F	91.2	91.2			
	R502-20°F			76.6	76.6	76.6
	R404a 20°F	138.1	138.1			
MOTOR SIZE HP		25	25	27	27	27
ELECTRICAL DATA						
208-230 -3- 60	LRA	428.0	428.0	450.0	450.0	450.0
	RLA	82.2	82.2	80.8	80.8	80.8
	MCC	115.0	115.0	113.0	113.0	113.0
460 -3- 60	LRA	214.0	214.0	225.0	225.0	225.0
	RLA	41.1	41.1	40.4	40.4	40.4
	MCC	57.5	57.5	56.5	56.5	56.5
575 -3- 60	LRA	172.0	172.0	---	---	---
	RLA	34.4	34.4	---	---	---
	MCC	48.1	48.1	---	---	---

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee



**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		4DJ3000	4DR3000	6DB3000	6DW3000	6DY3000
CAPACITY CONTROL		NO	ONE	NO	ONE	TWO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		4	4	6	6	6
BORE		2-15/16	2-15/16	2-11/16	2-11/16	2-11/16
STROKE		2-3/16	2-3/16	2	2	2
DISPLACEMENT CFH		3604	3604	4137	4137	4137
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		135	135	140	140	140
NET WEIGHT		511	511	500	500	500
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R22 45°F	317.9	317.9	356.4	356.4	356.4
	R502 0°F	109.5				
	R502-20°F					
	R404a 20°F	164.0	164.0			
MOTOR SIZE HP		30	30	30	30	30
ELECTRICAL DATA						
208-230 -3- 60	LRA	470.0	470.0	565	565	565
	RLA	94.0	94.0	105.0	105.0	105.0
	MCC	131.6	131.6	147.0	147.0	147.0
460 -3- 60	LRA	235.0	235.0	283	283	283
	RLA	47.0	47.0	47.8	47.8	47.8
	MCC	65.8	65.8	51.8	51.8	51.8
575 -3- 60	LRA	200.0	200.0	230.0	230.0	230.0
	RLA	39.3	39.3	40.0	40.0	40.0
	MCC	55.0	55.0	56.0	56.0	56.0

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6DT3000	6DE3000	6DF3000	6DG3500	6DM3500
CAPACITY CONTROL		NO	ONE	TWO	NO	ONE
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	6	6	6	6
BORE		2-15/16	2-15/16	2-15/16	2-13/16	2-13/16
STROKE		2-3/16	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		5407	5407	5407	4955	4955
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		255	255	255	140	140
NET WEIGHT		530	530	530	502	502
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R22 45°F				422.1	422.1
	R502 0°F					
	R502-20°F	84.9				
	R404a 20°F					
MOTOR SIZE HP		30	30	30	35	35
ELECTRICAL DATA						
208-230 -3- 60	LRA	470.0	470.0	470.0	594.0	594.0
	RLA	111.0	111.0	111.0	125.0	125.0
	MCC	155.3	155.3	155.3	175.0	175.0
460 -3- 60	LRA	235.0	235.0	235.0	297.0	297.0
	RLA	55.5	55.5	55.5	62.5	62.5
	MCC	77.7	77.7	77.7	87.5	87.5
575 -3- 60	LRA	200.0	200.0	200.0	245.0	245.0
	RLA	40.0	40.0	40.0	46.0	46.0
	MCC	---	---	---	64.4	64.4

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6DN3500	6DH3500	6DK3500	6DP3500	6DJ4000
CAPACITY CONTROL		TWO	NO	ONE	TWO	NO
NET OIL PRESSURE		20-60	20-60	20-60	20-60	20-60
CYLINDERS		6	6	6	6	6
BORE		2-13/16	2-11/16	2-11/16	2-11/16	2-15/16
STROKE		2-3/16	2-3/16	2-3/16	2-3/16	2-3/16
DISPLACEMENT CFH		4955	4530	4530	4530	5404
OIL GRADE		150	150	150	150	150
OIL CHARGE OZ.		140	140	140	140	255
NET WEIGHT		502	571	571	571	548
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R22 45°F	422.1				466.7
	R502 0°F		144.4			167.7
	R502-20°F					
	R404a 20°F		207.4	207.4	207.4	245.9
MOTOR SIZE HP		35	35	35	35	40
ELECTRICAL DATA						
208-230 -3- 60	LRA	594.0	565.0	565.0	565.0	594.0
	RLA	125.0	125.0	125.0	125.0	142.0
	MCC	175.0	175.0	175.0	175.0	198.0
460 -3- 60	LRA	297.0	283.0	283.0	283.0	297.0
	RLA	62.5	62.5	62.5	62.5	71.0
	MCC	87.5	87.5	87.5	87.5	99.0
575 -3- 60	LRA	245.0	230.0	230.0	230.0	245.0
	RLA	46.0	42.5	42.5	42.5	53.5
	MCC	64.4	59.5	59.5	59.5	74.9

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**  
**MANUFACTURER COPELAND**

MODEL		6DR4000	6DS4000	8DP5000	8DS6000	
CAPACITY CONTROL		ONE	TWO	TWO	TWO	
NET OIL PRESSURE		20-60	20-60	20-60	20-60	
CYLINDERS		6	6	8	8	
BORE		2-15/16	2-15/16	2-11/16	2-15/16	
STROKE		2-3/16	2-3/16	2-11/32	2-11/32	
DISPLACEMENT CFH		5404	5404	6429	7609	
OIL GRADE		150	150	150	150	
OIL CHARGE OZ.		255	255	260	260	
NET WEIGHT		548	548	730	730	
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 0°F					
	R22 45°F	466.7	466.7	565.7	644.2	
	R502 0°F	167.7	167.7	197.5	221.5	
	R502-20°F					
	R404a 20°F	245.9	245.9			
MOTOR SIZE HP		40	40	50	60	
ELECTRICAL DATA						
208-230 -3- 60	LRA	594.0	594.0	1070.0	1070.0	
	RLA	142.0	142.0	180.0	224.0	
	MCC	198.0	198.0	252.0	314.0	
460 -3- 60	LRA	297.0	297.0	535.0	535.0	
	RLA	71.0	71.0	90.0	112.0	
	MCC	99.0	99.0	126.0	157.0	
575 -3- 60	LRA	245.0	245.0	405.0	405.0	
	RLA	53.5	53.5	75.0	80.0	
	MCC	74.9	74.9	105.0	112.0	

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling,  
 Superheat Varies, 65° Return Gas Temperature.

Brainerd Compressor Inc. - Memphis, Tennessee

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		20	20H/	20	20	30
		HF	CF/LF	C/ELF	L	HF
NET OIL PRESSURE		NA	NA	NA	NA	NA
CYLINDERS		2	2	2	2	2
BORE		1-13/16	1-13/16	2	2-3/16	1-13/16
STROKE		1-1/8	1-1/2	1-1/2	1-1/2	1-1/2
DISPLACEMENT CFH		348	465	566	677	465
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		3	3	3	3	3
NET WEIGHT		142	142	142	142	152
RATED TONS	R-12	H	H	C	L	
	R-22		C/L	L		H
	R-502		L	L		
MOTOR SIZE HP		2	2	2	2	3
ELECTRICAL DATA						
200	LRA		45.9	45.9	45.9	64.3
-3-	MAX RLA		10.6	9.1	8.5	12.7
60	FUSETRON		20	15	15	25
230	LRA		45.9	45.9	45.9	64.3
-3-	MAX RLA		10.0	8.6	8.0	12.0
60	FUSETRON		20	15	15	25
460	LRA		23.0	23.0	23.0	32.2
-3-	MAX RLA		5.0	4.3	4.0	6.0
60	FUSETRON		8.0	7.0	7.0	12

('H' is 0° to +55° SST) ('C' is 0° to +25° SST) ('L' is -40°) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		30	30	30	30	30
		H/LF	CF	C/ELF	L	EL
NET OIL PRESSURE		NA	NA	NA	NA	NA
CYLINDERS		2	2	4	4	4
BORE		2-3/16	2	1-13/16	2	2-3/16
STROKE		1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
DISPLACEMENT CFH		677	566	930	1128	1356
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		3	3	6	6	6
NET WEIGHT		152	152	237	237	237
RATED TONS	R-12	H		C	L	L
	R-22	L	C	L		
	R-502	L	C	L		
MOTOR SIZE HP		3	3	3	3	3
ELECTRICAL DATA						
200	LRA	64.3	64.3	83.6	83.6	83.6
	-3- MAX RLA	12.7	13.0	14.2	12	14.2
	60 FUSETRON	25	25	25	25	25
230	LRA	64.3	64.3	83.6	83.6	83.6
	-3- MAX RLA	12.0	11.8	12.8	10.8	12.8
	60 FUSETRON	25	25	25	20	25
460	LRA	32.2	32.2	41.8	41.8	41.8
	-3- MAX RLA	6.0	5.9	6.4	5.4	6.4
	60 FUSETRON	12	12	12	10	12

('H' is 0° to +55° SST) ('C' is 0° to +25° SST) ('L' is -40°) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		32	50	50	50	50
		C/ELF	H/LF	CF	C/ELF	L
NET OIL PRESSURE		NA	NA	NA	NA	NA
CYLINDERS		2	4	4	4	6
BORE		2-3/16	2	1-13/16	2-3/16	2
STROKE		1-49/64	1-1/2	1-1/2	1-1/2	1-1/2
DISPLACEMENT CFH		806	1128	930	1356	1698
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		3	6	6	6	10
NET WEIGHT		157	247	247	247	312
RATED TONS	R-12	C	H		C	L
	R-22	L	L	C	L	
	R-502	L	L	C	L	
MOTOR SIZE HP		3	5	5	5	5
ELECTRICAL DATA						
200	LRA	64.3	118.0	118.0	118.0	118.0
	-3- MAX RLA	12.7	22.0	21.0	21.0	18.0
	60 FUSETRON	25	40	35	40	35
230	LRA	64.3	118.0	118.0	118.0	118.0
	-3- MAX RLA	12.0	19.5	19.0	19.0	16.3
	60 FUSETRON	25	35	35	35	30
460	LRA	32.2	59.0	59.0	59.0	59.0
	-3- MAX RLA	6.0	9.8	9.8	10.0	8.2
	60 FUSETRON	12	20	20	20	15

('H' is 0° to +55° SST) ('C' is 0° to +25° SST) ('L' is -40°) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		50	51	52	75	75
		PEL	PL	HF	HF	CF
NET OIL PRESSURE		20	20	NA	NA	NA
CYLINDERS		6	4	3	4	4
BORE		2-3/16	2	2	2	2-3/16
STROKE		1-1/2	2-3/16	1-1/2	1-1/2	1-1/2
DISPLACEMENT CFH		2034	162	846	1128	1356
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		10	6	6	6	6
NET WEIGHT		322	247	247	252	252
RATED TONS	R-12	L				
	R-22		L	H	H	C
	R-502		L			C
MOTOR SIZE HP		5	5	5	7-1/2	7-1/2
ELECTRICAL DATA						
200	LRA	118.0	118.0	118.0	133.0	133.0
	-3- MAX RLA		25.0	25.0	33.0	33.0
	60 FUSETRON			45	60	60
230	LRA	118.0	118.0	118.0	133.0	133.0
	-3- MAX RLA		22.6	22.6	30.0	30.0
	60 FUSETRON			40	50	50
460	LRA	59.0	59.0	59.0	66.5	66.5
	-3- MAX RLA		11.3	11.3	15.0	15.0
	60 FUSETRON			20	25	25

('H' is 0° to +55° SST) ('C' is 0° to +25° SST) ('L' is -40°) Normal Operating Ranges



**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		75	75	75	76	76
		H/LF	PC/ELF	PL	PH/C/LF	PL
NET OIL PRESSURE		NA	20	20	20	20
CYLINDERS		6	6	6	4	6
BORE		2	2-3/16	2-3/16	2	2
STROKE		1-1/2	1-1/2	1-49/64	2-3/16	2-3/16
DISPLACEMENT CFH		1698	2034	2412	1680	2500
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		10	10	10	6	10
NET WEIGHT		322	322	322	252	322
RATED TONS	R-12	H	C	L	H/C	L
	R-22	L	L		L	
	R-502	L	L		L	
MOTOR SIZE HP		7-1/2	7-1/2	7-1/2	7-1/2	7-1/2
ELECTRICAL DATA						
200	LRA	133.0	133.0	133.0	133.0	133.0
-3-	MAX RLA	33.0	30.0	26.0	30.0	30.0
60	FUSETRON	60	50	45		
230	LRA	133.0	133.0	133.0	133.0	133.0
-3-	MAX RLA	30.0	28.0	24.0	28.0	28.0
60	FUSETRON	50	50	40		
460	LRA	66.5	66.5	66.5	66.5	66.5
-3-	MAX RLA	15.0	14.0	12.2	14.0	14.0
60	FUSETRON	25	25	20		

('H' is 0<sup>o</sup> to +55<sup>o</sup> SST) ('C' is 0<sup>o</sup> to +25<sup>o</sup> SST) ('L' is -40<sup>o</sup>) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		77	100	100PH/ C/ELF	100	101PH/ C/ELF
		PC/ELF	PHF		PCF	
NET OIL PRESSURE		20	20	20	20	20
CYLINDERS		4	4	6	6	6
BORE		2-3/16	2-3/16	2-3/16	2	2
STROKE		2-3/16	1-1/2	1-49/64	1-1/2	2-3/16
DISPLACEMENT CFH		2000	1356	2412	1698	2500
OIL GRADE		150	300	150	150	150
OIL CHARGE PINTS		6	6	10	10	10
NET WEIGHT		252	257	322	322	322
RATED TONS	R-12	C		H/C		H/C
	R-22	L	H	L	C	L
	R-502	L		L	C	L
MOTOR SIZE HP		7-1/2	10	10	10	10
ELECTRICAL DATA						
200	LRA	133.0	155.0	188.0	155.0	
	-3- MAX RLA	33.0	51.0	51.0	51.0	
	60 FUSETRON		80	90	80	
230	LRA	133.0	155.0	188.0	155.0	
	-3- MAX RLA	30.0	46.0	45.0	46.0	
	60 FUSETRON		80	80	80	
460	LRA	66.5	85.5	94.0	85.5	
	-3- MAX RLA	15.0	18.0	23.0	16.7	
	60 FUSETRON		30	40	30	

('H' is 0<sup>0</sup> to +55<sup>0</sup> SST) ('C' is 0<sup>0</sup> to +25<sup>0</sup> SST) ('L' is -40<sup>0</sup>) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		104	111	150	150	151
		PL	PHF/CF	PHF	PCF	PHF/CF
NET OIL PRESSURE		20	20	20	20	20
CYLINDERS		6	4	6	6	4
BORE		2-3/16	2	2-3/16	2-3/16	2-3/16
STROKE		2-3/16	2-3/16	1-1/2	1-49/64	2-3/16
DISPLACEMENT CFH		2997	1680	2034	2412	2000
OIL GRADE		150	150	300	150	150
OIL CHARGE PINTS		10	6	10	10	6
NET WEIGHT		322	257	342	342	280
RATED TONS	R-12	L				
	R-22		H/C	H	C	H/C
	R-502		C		C	C
MOTOR SIZE HP		10	10	15	15	15
ELECTRICAL DATA						
200	LRA	188.0		222.0	222.0	
	-3- MAX RLA	35.5		60.0	60.0	
	60 FUSETRON	60		100	100	
230	LRA	188.0		222.0	222.0	
	-3- MAX RLA	32.0		57.0	57.0	
	60 FUSETRON	60		100	100	
460	LRA	94.0		111.0	111.0	
	-3- MAX RLA	16.0		29.0	28.0	
	60 FUSETRON	30		50	45	

('H' is 0° to +55° SST) ('C' is 0° to +25° SST) ('L' is -40°) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		154PH/ C/ELF	174 PCF	200 PHF	201 PHF/CF	204 PHF/CF
NET OIL PRESSURE		20	20	20	20	20
CYLINDERS		6	6	6	6	6
BORE		2-3/16	2-3/16	2-3/16	2	2-3/16
STROKE		2-3/16	2-3/16	1-49/64	2-3/16	2-3/16
DISPLACEMENT CFH		2997	2997	2412	2500	2997
OIL GRADE		150	150	300	150	300
OIL CHARGE PINTS		10	10	10	10	10
NET WEIGHT		342	347	342	342	352
RATED TONS	R-12	H/C				
	R-22	L	C	H	H/C	H/C
	R-502	L	C		C	C
MOTOR SIZE HP		15	17-1/2	17-1/2	17-1/2	20
ELECTRICAL DATA						
200	LRA	222.0	281.0	281.0	281.0	331.0
	-3- MAX RLA	60.0	75.0	75.0	75.0	90.0
	60 FUSETRON	100	150	150		
230	LRA	222.0	281.0	281.0	281.0	331.0
	-3- MAX RLA	55.0	68.0	70.0	72.0	83.0
	60 FUSETRON	100	125	125		
460	LRA	111.0	140.5	140.5	140.5	166.0
	-3- MAX RLA	27.5	34.0	35.0	35.0	40.0
	60 FUSETRON	45	60	60		

('H' is 0<sup>o</sup> to +55<sup>o</sup> SST) ('C' is 0<sup>o</sup> to +25<sup>o</sup> SST) ('L' is -40<sup>o</sup>) Normal Operating Ranges

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		155	157	205	216	207
		LFN	CN	CFN	LFN	HN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		3	4	3	4	4
BORE		3-1/8	3-1/8	3-1/8	3-1/8	3-1/8
STROKE		2-3/8	2-3/8	2-3/8	2	2-3/8
DISPLACEMENT CFM		55.3	73.8	55.3	62.1	73.8
OIL GRADE		150	150	150	150	300
OIL CHARGE PINTS		18	18	18	18	18
NET WEIGHT		720	720	724	724	724
RATED BTUH X 1000	R-12 45°F					255.0
	R-12 10°F		C			
	R-22 45°F					
	R-22 10°F			128.0		
	R-502 -25°F	L			54.0	
MOTOR SIZE HP		15	15	20	20	20
ELECTRICAL DATA		AIR COOLED				
200 -3- 60	LRA	268.0	268.0	363.0	363.0	363.0
	RLA	65.0	69.0	84.0	78.0	84.0
230 -3- 60	LRA	233.0	233.0	316.0	316.0	316.0
	RLA	56.0	60.0	73.0	70.0	73.0
460 -3- 60	LRA	134.0	117.0	158.0	158.0	158.0
	RLA	28.0	30.0	37.0	34.0	37.0
575 -3- 60	LRA	93.0	93.0	126.0	126.0	126.0
	RLA	22.6	24.0	29.0	27.0	29.0

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		208	255	266	257	258
		CN	HF/N	CFN	LFN	HN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	3	4	4	4
BORE		3-1/8	3-1/8	3-1/8	3-1/8	3-1/8
STROKE		2-3/4	2-3/8	2	2-3/8	2-3/4
DISPLACEMENT CFM		85.4	55.3	62.1	73.8	85.4
OIL GRADE		150	300	150	150	300
OIL CHARGE PINTS		18	18	18	18	18
NET WEIGHT		724	730	730	730	730
RATED BTUH X 1000	R-12 45°F					297.0
	R-12 10°F	127.0				
	R-22 45°F		310.0			
	R-22 10°F			158.0		
	R-502 -25°F				67.0	
MOTOR SIZE HP		20	25	25	25	25
ELECTRICAL DATA		AIR COOLED				
200 -3- 60	LRA	363.0	422.0	422.0	422.0	422.0
	RLA	86.0	97.0	85.0	91.0	99.0
230 -3- 60	LRA	316.0	367.0	367.0	367.0	367.0
	RLA	75.0	84.0	74.0	79.0	86.0
460 -3- 60	LRA	158.0	184.0	184.0	184.0	184.0
	RLA	38.0	42.0	37.0	40.0	43.0
575 -3- 60	LRA	126.0	155.0	155.0	155.0	155.0
	RLA	30.0	34.0	30.0	32.0	34.0

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		259	316	307	308	309
		CN	HF/N	CFN	LFN	HN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	4	4	4	4
BORE		3-9/16	3-1/8	3-1/8	3-1/8	3-9/16
STROKE		2-3/8	2	2-3/8	2-3/4	2-3/8
DISPLACEMENT CFM		96.0	62.1	73.8	85.4	96.0
OIL GRADE		150	300	150	150	300
OIL CHARGE PINTS		18	18	18	18	18
NET WEIGHT		730	740	740	740	740
RATED BTUH X 1000	R-12 45°F					333.0
	R-12 10°F	143.0				
	R-22 45°F		360.0			
	R-22 10°F			178.0		
	R-502 -25°F				78.0	
MOTOR SIZE HP		25	30	30	30	30
ELECTRICAL DATA		AIR COOLED				
200 -3- 60	LRA	422.0	506.0	506.0	506.0	506.0
	RLA	98.0	113.0	98.0	109.0	129.0
230 -3- 60	LRA	367.0	440.0	440.0	440.0	440.0
	RLA	85.0	98.0	85.0	95.0	112.0
460 -3- 60	LRA	184.0	220.0	220.0	220.0	220.0
	RLA	43.0	49.0	43.0	48.0	56.0
575 -3- 60	LRA	155.0	176.0	176.0	176.0	176.0
	RLA	34.0	39.0	34.0	38.0	45.0

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		311	357	358	359	361
		CN	HF/N	CFN	LFN	HN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	4	4	4	4
BORE		3-9/16	3-1/8	3-1/8	3-9/16	3-9/16
STROKE		2-3/4	2-3/8	2-3/4	2-3/8	2-3/4
DISPLACEMENT CFM		111.0	73.8	85.4	96.0	111.0
OIL GRADE		150	300	150	150	300
OIL CHARGE PINTS		18	18	18	18	18
NET WEIGHT		740	745	745	745	745
RATED BTUH X 1000	R-12 45°F					385.0
	R-12 10°F	170.0				
	R-22 45°F		420.0			
	R-22 10°F			205.0		
	R-502 -25°F				88.0	
MOTOR SIZE HP		30	35	35	35	35
ELECTRICAL DATA		AIR COOLED				
200 -3- 60	LRA	506.0	550.0	550.0	550.0	550.0
	RLA	117.0	127.0	120.0	129.0	127.0
230 -3- 60	LRA	440.0	478.0	478.0	478.0	478.0
	RLA	102.0	111.0	104.0	112.0	110.0
460 -3- 60	LRA	220.0	239.0	239.0	239.0	239.0
	RLA	51.0	56.0	52.0	56.0	55.0
575 -3- 60	LRA	176.0	191.0	191.0	191.0	191.0
	RLA	40.0	44.0	42.0	45.0	44.0

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.



**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		408	409	411	509	511
		HF/N	CFN	LFN	HF/N	CFN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	4	4	4	4
BORE		3-1/8	3-9/16	3-9/16	3-9/16	3-9/16
STROKE		2-3/4	2-3/8	2-3/4	2-3/8	2-3/4
DISPLACEMENT CFM		85.4	96.0	111.0	96.0	111.0
OIL GRADE		300	150	150	300	150
OIL CHARGE PINTS		18	18	18	18	18
NET WEIGHT		750	740	750	800	800
RATED BTUH X 1000	R-12 45°F					
	R-12 10°F					
	R-22 45°F	485.0			535.0	
	R-22 10°F		230.0			275.0
	R-502 -25°F			104.0	C	
MOTOR SIZE HP		40	40	40	50	50
ELECTRICAL DATA		AIR COOLED				
200 -3- 60	LRA	660.0	660.0	660.0	717.0	717.0
	RLA	153.0	135.0	148.0	172.0	169.0
230 -3- 60	LRA	574.0	574.0	574.0	623.0	623.0
	RLA	133.0	117.0	129.0	150.0	147.0
460 -3- 60	LRA	287.0	287.0	287.0	312.0	312.0
	RLA	67.0	59.0	65.0	75.0	74.0
575 -3- 60	LRA	230.0	230.0	230.0	249.0	249.0
	RLA	53.0	47.0	51.0	60.0	59.0

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		511				
		HF/N				
NET OIL PRESSURE		30-50				
CYLINDERS		4				
BORE		3-9/16				
STROKE		2-3/4				
DISPLACEMENT CFM		111.0				
OIL GRADE		300				
OIL CHARGE PINTS		18				
NET WEIGHT		800				
RATED BTUH X 1000	R-12 45°F					
	R-12 10°F					
	R-22 45°F	630.0				
	R-22 10°F					
	R-502 -25°F	C				
MOTOR SIZE HP		50				
ELECTRICAL DATA		AIR COOLED				
	LRA	50				
	RLA	CYCLE ONLY				
200 -3- 50	LRA	623.0				
	RLA	176.0				
400 -3- 50	LRA	312.0				
	RLA	88.0				
500 -3- 50	LRA	249.0				
	RLA	70.0				

The use of Oil Failure switches on all compressors with positive displacement oil pumps is required by Brainerd Compressor Inc. Failure to use an Oil Failure switch voids the warranty.

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		155	157	205	216	207
		DLFN	DCN	DCFN	DLFN	DHN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		3	4	3	4	4
BORE		3-1/8	3-1/8	3-1/8	3-1/8	3-1/8
STROKE		2-3/8	2-3/8	2-3/8	2	2-3/8
DISPLACEMENT CFM		55.3	73.8	55.3	62.1	73.8
OIL GRADE		150	150	150	150	300
OIL CHARGE PINTS		19	19	19	19	19
NET WEIGHT		590	590	590	590	600
RATED BTUH X 1000	R-12 45°F					263.0
	R-12 10°F		113.0			
	R-22 45°F					
	R-22 10°F			132.0		
	R-502 -25°F	52.0			56.0	
MOTOR SIZE HP						
ELECTRICAL DATA		<p style="text-align: center;">For Air Conditioning applications with TXV, R22, and 95 to 125 degree condensing temperature Brainerd Compressor Inc recommends a superheat setting of 15 to 20 degrees within 12 inches of the suction service valve.</p>				
200	LRA					
-3-						
60	RLA					
230	LRA					
-3-						
60	RLA					
460	LRA					
-3-						
60	RLA					
575	LRA					
-3-						
60	RLA					

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
 R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		208	255	266	257	258
		DCN	DHF/N	DCFN	DLFN	DHN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	3	4	4	4
BORE		3-1/8	3-1/8	3-1/8	3-1/8	3-1/8
STROKE		2-3/4	2-3/8	2	2-3/8	2-3/4
DISPLACEMENT CFM		85.4	55.3	62.1	73.8	85.4
OIL GRADE		150	300	150	150	300
OIL CHARGE PINTS		19	19	19	19	19
NET WEIGHT		600	590	590	600	600
RATED BTUH X 1000	R-12 45°F					306.0
	R-12 10°F	131.0				
	R-22 45°F		319.0			
	R-22 10°F			163.0		
	R-502 -25°F				69.0	
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

Superheated vapor is vapor at a higher temperature than the saturation temperature at the existing pressure. The temperature difference is normally referred to as "SUPERHEAT".

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
 R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		259	307	308	309	311
		DCN	DCFN	DLFN	DHN	DCN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	4	4	4	4
BORE		3-9/16	3-1/8	3-1/8	3-9/16	3-9/16
STROKE		2-3/8	2-3/8	2-3/4	2-3/8	2-3/4
DISPLACEMENT CFM		96.0	73.8	85.4	96.0	111.0
OIL GRADE		150	150	150	300	150
OIL CHARGE PINTS		19	19	19	19	19
NET WEIGHT		600	600	600	600	600
RATED BTUH X 1000	R-12 45°F				343.0	
	R-12 10°F	147.0				175.0
	R-22 45°F					
	R-22 10°F		183.0			
	R-502 -25°F			80.0		
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

Replacement compressors are often placed into operation without first determining the cause of failure. The cause may have been due to conditions within the system, external to the compressor. A second failure attributable to the same cause as the first is often the result.

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		316	357	358	359	361
		DHF/N	DHF/N	DCFN	DLFN	DHN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	4	4	4	4
BORE		3-1/8	3-1/8	3-1/8	3-9/16	3-9/16
STROKE		2	2-3/8	2-3/4	2-3/8	2-3/4
DISPLACEMENT CFM		62.1	73.8	85.4	96.0	111.0
OIL GRADE		300	300	150	150	300
OIL CHARGE PINTS		19	19	19	19	19
NET WEIGHT		590	600	600	600	600
RATED BTUH X 1000	R-12 45°F					397.0
	R-12 10°F					
	R-22 45°F	371.0	433.0			
	R-22 10°F			211.0		
	R-502 -25°F				91.0	
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

ALWAYS USE A PRESSURE REGULATOR WHEN USING NITROGEN TO PRESSURE TEST. FAILURE TO DO SO WILL RESULT IN EXTREMELY HIGH PRESSURE WHICH COULD EXCEED THE BURST PRESSURE OF THE COMPRESSOR OR OTHER SYSTEM COMPONENTS AND RESULT IN PERSONAL INJURY OR DEATH.

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
 R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		408	409	411	509	511
		DHF/N	DCFN	DLFN	DHFN	DCFN
NET OIL PRESSURE		30-50	30-50	30-50	30-50	30-50
CYLINDERS		4	4	4	4	4
BORE		3-1/8	3-9/16	3-9/16	3-9/16	3-9/16
STROKE		2-3/4	2-3/8	2-3/4	2-3/8	2-3/4
DISPLACEMENT CFM		85.4	96.0	111.0	96.0	111.0
OIL GRADE		300	150	150	300	150
OIL CHARGE PINTS		19	19	19	19	19
NET WEIGHT		600	600	600	600	600
RATED BTUH X 1000	R-12 45°F					
	R-12 10°F					
	R-22 45°F	500.0			551.0	
	R-22 10°F		237.0			283.0
	R-502 -25°F			107.0		
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

Brainerd Compressor  
sells Calumet  
Refrigeration Oil  
packaged under the  
Brainerd Compressor  
label.

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
R22, 10° Subcooling, 25° Superheat, 115° SCT.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		511				
		DHF/N				
NET OIL PRESSURE		30-50				
CYLINDERS		4				
BORE		3-9/16				
STROKE		2-3/4				
DISPLACEMENT CFM		111.0				
OIL GRADE		300				
OIL CHARGE PINTS		19				
NET WEIGHT		600				
RATED BTUH X 1000	R-12	45°F				
	R-12	10°F				
	R-22	45°F	649.0			
	R-22	10°F				
	R-502	-25°F				
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

Taking Superheat  
 Strap temperature sensor tightly to a clean suction line within 12 inches of the compressor suction service valve, replace armaflex, wrap with two layers of one inch fiberglass insulation (or equivalent) six inches in both direction from the sensor. Take the superheat reading and correct as follows:  
 50 degrees ambient deduct 2 degrees,  
 60 degrees ambient deduct 2-3/4 degrees,  
 70 degrees ambient deduct 3-1/2 degrees,  
 80 degrees ambient deduct 4-1/4 degrees,  
 90 degrees ambient deduct 5 degrees.

Note: Conditions, R-12 & R-502, 0° Subcooling, 65° RGT, 115° SCT.  
 R22, 10° Subcooling, 25° Superheat, 115° SCT.



**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		S-140	R-330	R-550	R-650	R-2002
NET OIL PRESSURE		SPLASH LUBRICATION				
CYLINDERS		2	2	2	2	2
BORE		1-1/2	1-13/16	2-1.8	2-1/2	3-1/4
STROKE		1-3/8	1-3/8	1-5/8	1-3/4	2-1/4
CFM @ 1000 RPM		2.81	4.11	6.67	9.94	21.6
OIL GRADE						
OIL CHARGE PINTS						
NET WEIGHT						
RATED BTUH X 1000	R-12 45°F					
	R-12 10°F					
	R-22 45°F					
	R-22 10°F					
	R-502 -25°F					
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		R-5002			
NET OIL PRESSURE		SPLASH LUBRICATION			
CYLINDERS		4			
BORE		3-1.4			
STROKE		2-1/4 & 2-15/16			
DISPLACEMENT CFM		45.3 CFM			
OIL GRADE					
OIL CHARGE PINTS					
NET WEIGHT					
RATED BTUH X 1000	R-12	45 <sup>o</sup> F			
	R-12	10 <sup>o</sup> F			
	R-22	45 <sup>o</sup> F			
	R-22	10 <sup>o</sup> F			
	R-502	-25 <sup>o</sup> F			
MOTOR SIZE HP					
ELECTRICAL DATA					
200 -3- 60	LRA				
	RLA				
230 -3- 60	LRA				
	RLA				
460 -3- 60	LRA				
	RLA				
575 -3- 60	LRA				
	RLA				

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		A3	A4	A5	B3	B4
NET OIL PRESSURE		35-45	35-45	35-45	45-55	45-55
CYLINDERS		3	4	5	3	4
BORE		2-3/4	2-3/4	2-3/4	3-1/2	3-1/2
STROKE		2-3/16	2-3/16	2-3/16	2-5/8	2-5/8
DISPLACEMENT CFM		39.5	52.6	65.8	76.7	102.3
OIL GRADE		300*	300*	300*	300*	300*
OIL CHARGE PINTS		34	34	34	54	54
NET WEIGHT						
RATED BTUH X 1000	R-12 45°F					
	R-12 10°F					
	R-22 45°F					
	R-22 10°F					
	R-502 -25°F					
MOTOR SIZE HP						
ELECTRICAL DATA						
200 -3- 60	LRA					
	RLA					
230 -3- 60	LRA					
	RLA					
460 -3- 60	LRA					
	RLA					
575 -3- 60	LRA					
	RLA					

**LIQUID SLUGGING**  
 Dirty filters, fan or pump problems, coil blockage, coil frosting, hunting expansion valve, light load conditions, refrigerant migration, fouled water chiller, improper piping, or bad TXV can all cause slugging.

\* 150 SSU Below 0° SST, 300 SSU Above 0° SST

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		B5	B6	BE6		B8
NET OIL PRESSURE		45-55	45-55	45-55		45-55
CYLINDERS		5	6	6		8
BORE		3-1/2	3-1/2	3-1/2		3-1/2
STROKE		2-5/8	2-5/8	3-1/16		2-5/8
DISPLACEMENT CFM		127.9	153.5	179.0		204.6
OIL GRADE		300*	300*	300*		300*
OIL CHARGE PINTS		54/48	68/60	60		68/60
NET WEIGHT						
RATED BTUH X 1000	R-12 45 <sup>o</sup> F					
	R-12 10 <sup>o</sup> F					
	R-22 45 <sup>o</sup> F					
	R-22 10 <sup>o</sup> F					
MOTOR SIZE HP		AIR COOLED				
ELECTRICAL DATA		B5H	B6H1	BE6H	BE6H1	
200 -3- 60	LRA	609	609	808	758	
	FLA	204	204	289	227	
	FUSETRON	300	300	450	350	
230 -3- 60	LRA	590	590	783	748	
	FLA	171	171	236	191	
	FUSETRON	250	250	350	300	
480 -3- 60	LRA	295	295	391	374	
	FLA	85.3	85.3	118	95.5	
	FUSETRON	150	150	175	150	

\* 150 SSU Below 0<sup>o</sup> SST, 300 SSU Above 0<sup>o</sup> SST

\* Type 64A and later have reduced oil charge.

**PHYSICAL DATA**

**MANUFACTURER DUNHAM-BUSH**

MODEL		BE8		B10	BE10	
NET OIL PRESSURE		45-55		45-55	45-55	
CYLINDERS		8		10	10	
BORE		3-1/2		3-1/2	3-1/2	
STROKE		3-1/16		2-5/8	3-1/16	
DISPLACEMENT CFM		238.7		255.8	298.4	
OIL GRADE		300*		300*	300*	
OIL CHARGE PINTS		60		68/60	60	
NET WEIGHT						
RATED BTUH X 1000	R-12 45°F					
	R-12 10°F					
	R-22 45°F					
	R-22 10°F					
MOTOR SIZE HP		AIR COOLED				
ELECTRICAL DATA		BE8H	BE8H1		BE10H	BE10H1
200 -3- 60	LRA	1116	808		1354	1116
	FLA	360	289		401	360
	FUSETRON	600	450		600	600
230 -3- 60	LRA	1082	783		1312	1082
	FLA	299	236		334	299
	FUSETRON	450	350		500	450
480 -3- 60	LRA	541	391		656	541
	FLA	149	118		157	149
	FUSETRON	225	175		250	255

\* 150 SSU Below 0° SST, 300 SSU Above 0° SST

\* Type 64A and later have reduced oil charge.

**PHYSICAL DATA**

**MANUFACTURER FRICK**

MODEL	MCM-	4B	4A	6B	6A	8A
NET OIL PRESSURE		55	55	55	55	55
CYLINDERS		4	4	6	6	8
BORE		3-1/4	3-11/16	3-1/4	3-11/16	3-11/16
STROKE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM		93.2	120.8	140.9	181.2	241.6
OIL GRADE		300	300	300	300	300
OIL CHARGE	PINTS	24	24	26	26	28
NET WEIGHT		709	712	862	870	1022
RATED TONS	R-12	25	30	40	50	60
	R-500					
	R-22	40	50	60	75	100
	R-502					
MOTOR SIZE	HP	25/40	30/50	40/60	50/75	60/100
ELECTRICAL DATA						
200	LRA	<p>The use of Oil Failure switches on all compressors with positive displacement oil pumps is required by Brainerd Compressor Inc. Failure to use an Oil Failure switch voids the warranty.</p>				
-3-	MAX RLA					
60	FUSETRON SIZE					
230	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
460	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					

**PHYSICAL DATA**

**MANUFACTURER FRICK**

MODEL	MR1-	90-2	90-4	90-6	90-8	90-12
NET OIL PRESSURE		55	55	55	55	55
CYLINDERS		2	4	6	8	12
BORE		4-1/16	4-1/16	4-1/16	4-1/16	4-1/16
STROKE		3.54	3.54	3.54	3.54	3.54
DISPLACEMENT CFM		94	187	281	274	560
OIL GRADE		300	300	300	300	300
OIL CHARGE	PINTS	16	18	20	32	36
NET WEIGHT		1470	1755	2055	2830	3410
RATED TONS	R-12	<p style="text-align: center;"><u>Oil Analysis</u></p> <p>After the system has operated for approximately four to eight hours following a motor failure, pump it down and draw an oil sample. Check the acidity of the oil sample using one of the oil test kits which are commercially available. If the oil test shows an unsatisfactory acid level, change the oil and the cores of the liquid line and suction line filter-driers, restart the system and allow it to operate for an additional eight hours. Repeat this procedure until the oil test is satisfactory. Remove the suction line cores or the entire suction filter assembly and replace with straight pipe.</p>				
	R-500					
	R-22					
	R-502					
MOTOR SIZE HP						
ELECTRICAL DATA						
200	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
230	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
460	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		K100B	K123B	K148D	K202E	K202F
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		1.88	1.31	1.44	1.38	1.38
STROKE		0.75	0.75	0.75	1.13	1.13
DISPLACEMENT CFH		100	123	148	202	202
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		1.8	1.8	1.8	1.8	1.8
NET WEIGHT		80	80	80	100	100
RATED BTUH @ SST LISTED X 1000	R12 45°F	4.48		7.2		10
	R12 20°F		3.6			
	R12 -10°F				3.1	
	R22 45°F					
	R502 -10°F	2.2		3.84		5.26
	R502 0°F					
MOTOR SIZE HP		1/3	1/3	1/2	1/2	3/4
ELECTRICAL DATA						
115 -1- 60	LRA	30.5	30.5	48.5	58.5	76
	RLA	6.4	5.9	8.9	10	11.4
230 -1- 60	LRA	15.6	15.6	27.3	39	46
	RLA	3.1	3.0	4.3	5.1	6.8
220-240 -3- 60	LRA				22	32.2
	RLA				2.3	3.6
440-480 -3- 60	LRA				12	17
	RLA				1.2	1.9

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT



**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		K260F	K260G	K314G	K376G	
NET OIL PRESSURE		N/A	N/A	N/A	N/A	
CYLINDERS		2	2	2	2	
BORE		1.56	1.56	1.72	1.88	
STROKE		1.13	1.13	1.13	1.13	
DISPLACEMENT CFH		260	260	314	376	
OIL GRADE		150	150	150	150	
OIL CHARGE PINTS		1.8	1.8	1.8	1.8	
NET WEIGHT		100	100	95	100	
RATED BTUH @ SST LISTED X 1000	R12 45°F		13.1	14.4		
	R12 20°F	8.4			12	
	R12 -10°F					
	R22 45°F					
	R502 -10°F		7.15	8.25	10.5	
	R502 0°F					
MOTOR SIZE HP		1	1	1	1-1/2	
ELECTRICAL DATA						
230 -1- 60	LRA	46	54	54	54	
	RLA	5.8	7.7	8.4	8.2	
220-240 -3- 60	LRA	32.2	44.5	44.5	44.5	
	RLA	3.4	5.8	5.6	5.6	
440-480 -3- 60	LRA	17	24	24	24	
	RLA	1.9	2.3	2.6	2.7	
550-600 -3- 60	LRA		17.1	17.1	17.1	
	RLA		2.1	2.0	2.0	

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		L567J	L640I	L640J	L773J	
NET OIL PRESSURE		N/A	N/A	N/A	N/A	
CYLINDERS		2	2	2	2	
BORE		1.88	2	2	2.19	
STROKE		1.69	1.69	1.69	1.69	
DISPLACEMENT CFH		567	640	640	773	
OIL GRADE		150	150	150	150	
OIL CHARGE PINTS		4.8	4.8	4.8	4.8	
NET WEIGHT		215	215	215	215	
RATED BTUH @ SST LISTED X 1000	R12 45°F	27.5		31.0		
	R12 20°F				25.3	
	R12 -10°F		11.7			
	R22 45°F					
	R502 -10°F	15.0		19.5		
	R502 0°F					
MOTOR SIZE HP		1-1/2	2	3	3	
ELECTRICAL DATA						
230 -1- 60	LRA	120	90	120	120	
	RLA	14.4	10.8	16.3	15.5	
220-240 -3- 60	LRA	118	59.5	118	118	
	RLA	10.8	7.6	12.1	13.3	
440-480 -3- 60	LRA	58	34	58	56	
	RLA	4.6	3.6	5.6	4.7	
550-600 -3- 60	LRA	43	30	43	43	
	RLA	3.9	2.7	4.6	4.1	

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		LG567I	LG567J	LG640I	LG640J	LG640JA
NET OIL PRESSURE						
CYLINDERS		2	2	2	2	2
BORE		1-7/8	1-7/8	2	2	2
STROKE		1-11/16	1-11/16	1-11/16	1-11/16	1-11/16
DISPLACEMENT CFH		567	567	640	640	640
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		3	3	3	3	3
NET WEIGHT		205	207	205	207	207
RATED BTUH @ SST LISTED X 1000	R12 45°F	26.5		31.0		
	R12 20°F					
	R12 -10°F					
	R22 45°F	40.0			46.5	46.3
	R502 -10°F	15.0		17.5		
	R502 0°F		20.0		22.0	22.0
MOTOR SIZE HP		2	3	2	3	3
ELECTRICAL DATA						
230 -1- 60	LRA	62	102	62	---	102
	RLA	20.3	25	23	---	31.1
220-240 -3- 60	LRA	66	98	66	98	---
	RLA	15	18.1	13.3	21.4	---
440-480 -3- 60	LRA	34	56	34	56	---
	RLA	6.8	10.3	7.5	10.7	---
550-600 -3- 60	LRA	30	43	---	43	---
	RLA	6.8	8.7	---	6.8	---

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA  
MANUFACTURER PRESTCOLD**

MODEL		LG773J	LG773JA	LG773JB	LG954JA	LG954JB
NET OIL PRESSURE						
CYLINDERS		2	2	2	2	2
BORE		2-3/16	2-3/16	2-3/16	2-7/6	2-7/6
STROKE		1-11/16	1-11/16	1-11/16	1-11/16	1-11/16
DISPLACEMENT CFH		773	773	773	954	954
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		3	3	3	3	3
NET WEIGHT		207	207	209	209	209
RATED BTUH @ SST LISTED X 1000	R12 45°F	37.2			48.5	
	R12 20°F					
	R12 -10°F					
	R22 45°F		55.0	55.0		70.0
	R502 -10°F	24.5			25.5	
	R502 0°F		21.0	21.0		30.0
MOTOR SIZE HP		3	3	3	3	5
ELECTRICAL DATA						
230 -1- 60	LRA	102	---	184	160	184
	RLA	25	---	34.2	30	43.6
220-240 -3- 60	LRA	96	152	---	156	152
	RLA	18.1	28.5	---	27	29.4
440-480 -3- 60	LRA	56	70	---	72	70
	RLA	10.3	12.8	---	12	13.2
550-600 -3- 60	LRA	43	45	---	45	52
	RLA	6.2	9.3	---	9.8	10

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		LG1136JB	LG1136JC				
NET OIL PRESSURE							
CYLINDERS		2	2				
BORE		2-7/16	2-7/16				
STROKE		2	2				
DISPLACEMENT CFH		1136	1136				
OIL GRADE		150	150				
OIL CHARGE PINTS		3	3				
NET WEIGHT		209	209				
RATED BTUH @ SST LISTED X 1000	R12 45°F	55.0		<p><b>LIQUID SLUGGING</b>                  Dirty filters, fan or pump problems, coil blockage, coil frosting, hunting expansion valve, light load conditions, refrigerant migration, fouled water chiller, improper piping, or bad TXV can all cause slugging.</p>			
	R12 20°F						
	R12 -10°F						
	R22 45°F		83.0				
	R502 -10°F	28.5					
	R502 0°F		42.0				
MOTOR SIZE HP		5	7-1/2				
ELECTRICAL DATA							
230 -1- 60	LRA	184	---				
	RLA	37.1	---				
220-240 -3- 60	LRA	152	---				
	RLA	27.1	---				
440-480 -3- 60	LRA	70	---				
	RLA	13	---				
550-600 -3- 60	LRA	52	---				
	RLA	9.9	---				

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA  
MANUFACTURER PRESTCOLD**

MODEL		R1370K	R1370N	R1620K	R1620N	R1620Q
NET OIL PRESSURE						
CYLINDERS		3	3	3	3	3
BORE		2.19	2.19	2.38	2.38	2.38
STROKE		2	2	2	2	2
DISPLACEMENT CFH		1370	1370	1620	1620	1620
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		7.2	7.2	7.2	7.2	7.2
NET WEIGHT		350	350	350	350	350
RATED BTUH @ SST LISTED X 1000	R12 45°F	62.0		44.0		
	R12 20°F					
	R12 -10°F					
	R22 45°F		98.0			122.0
	R502 -10°F	33.5			44.0	
	R502 0°F		38.0			54.0
MOTOR SIZE HP		5	7-1/2	5	7-1/2	10
ELECTRICAL DATA						
220-240 -3- 60	LRA	138	141	138	141	270
	RLA	28.1	38.3	25.1	35.7	49.1
440-480 -3- 60	LRA	58	86	58	86	135
	RLA	11.9	15.9	10.6	13.5	22.9
550-600 -3- 60	LRA	40	61	40	61	105
	RLA	8.8	11.6	7.9	9.0	19.2

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA  
MANUFACTURER PRESTCOLD**

MODEL		R2120N	R2120P	R2120QA		
NET OIL PRESSURE						
CYLINDERS		3	3	3		
BORE		2.44	2.44	2.44		
STROKE		2-1/2	2-1/2	2-1/2		
DISPLACEMENT CFH		2120	2120	2120		
OIL GRADE		150	150	150		
OIL CHARGE PINTS		7.2	7.2	7.2		
NET WEIGHT		350	350	350		
RATED BTUH @ SST LISTED X 1000	R12 45°F		102.0			
	R12 20°F	62.0				
	R12 -10°F					
	R22 45°F			160.0		
	R502 -10°F		55.0			
	R502 0°F			68.0		
MOTOR SIZE HP		7-1/2	10	15		
ELECTRICAL DATA						
220-240 -3- 60	LRA	141	180	300		
	RLA	32.1	44.1	66.4		
440-480 -3- 60	LRA	86	96	150		
	RLA	12.6	18.7	28.5		
550-600 -3- 60	LRA	61	82	120		
	RLA	8.8	13.4	23		

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA  
MANUFACTURER PRESTCOLD**

MODEL		C42510P	C42510R	C43175Q	C43175S	C43790R
NET OIL PRESSURE						
CYLINDERS		4	4	4	4	4
BORE		1.89	1.89	2.13	2.13	2.38
STROKE		1.85	1.85	1.85	1.85	1.85
DISPLACEMENT CFH		2510	2510	3175	3175	3790
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		7.3	7.3	7.3	7.3	7.3
NET WEIGHT		355	360	360	379	260
RATED BTUH @ SST LISTED X 1000	R12 45°F	125.5		152.0		168.9
	R12 20°F					
	R12 -10°F					
	R22 45°F		200.0		245.7	
	R502 -10°F	68.5		82.8		92.0
	R502 0°F		81.6		99.7	
MOTOR SIZE HP		20	30	25	35	30
ELECTRICAL DATA						
220-240 -3- 60	LRA	270	375	305	480	375
	RLA	40	52	48	62	55
440-480 -3- 60	LRA	135	187	152	240	187
	RLA	19	24	23	29	25
550-600 -3- 60	LRA	108	150	122	192	150
	RLA	15	20	18	23	21

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT



**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		C43790T				
NET OIL PRESSURE			Replacement compressors are often placed into operation without first determining the cause of failure. The cause may have been due to conditions within the system, external to the compressor. A second failure attributable to the same cause as the first is often the result.			
CYLINDERS		4				
BORE		2.38				
STROKE		1.85				
DISPLACEMENT CFH		3790				
OIL GRADE		150				
OIL CHARGE PINTS		7.3				
NET WEIGHT		379				
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 20°F					
	R12 -10°F					
	R22 45°F	274.5				
	R502 -10°F					
	R502 0°F	11.2				
MOTOR SIZE HP		40				
ELECTRICAL DATA						
220-240	LRA	495	Brainerd Compressor Inc. sells Calumet Refrigeration Oil packaged under the Brainerd Compressor label.			
	-3-60	RLA				
440-480	LRA	247				
	-3-60	RLA				
550-600	LRA	198				
	-3-60	RLA				

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA  
MANUFACTURER PRESTCOLD**

MODEL		C63765R	C63765U	C64765T	C64765W	C65685U
NET OIL PRESSURE						
CYLINDERS		6	6	6	6	6
BORE		1.89	1.89	2.13	2.13	2.32
STROKE		1.85	1.85	1.85	1.85	1.85
DISPLACEMENT CFH		3765	3765	4765	4765	5685
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		9.4	9.4	9.4	9.4	9.4
NET WEIGHT		471	486	480	495	488
RATED BTUH @ SST LISTED X 1000	R12 45°F	188.0		228.0		253.0
	R12 20°F					
	R12 -10°F					
	R22 45°F		302.0		368.0	
	R502 -10°F	102.7		124.3		138.2
	R502 0°F		121.0		149.6	
MOTOR SIZE HP		20	30	25	35	30
ELECTRICAL DATA						
220-240 -3- 60	LRA	316	450	440	580	450
	RLA	59	82	78	97	85
440-480 -3- 60	LRA	158	225	220	290	225
	RLA	29	41	39	49	42
550-600 -3- 60	LRA	126	180	176	206	180
	RLA	25	34	32	40	34

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		C65685Y				
NET OIL PRESSURE						
CYLINDERS		6				
BORE		2.32				
STROKE		1.85				
DISPLACEMENT CFH		5685				
OIL GRADE		150				
OIL CHARGE PINTS		9.4				
NET WEIGHT		500				
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 20°F					
	R12 -10°F					
	R22 45°F	417.0				
	R502 -10°F					
	R502 0°F	169.1				
MOTOR SIZE HP		40				
ELECTRICAL DATA						
220-240 -3- 60	LRA	560				
	RLA	118				
440-480 -3- 60	LRA	280				
	RLA	59				
550-600 -3- 60	LRA	224				
	RLA	50				

Oil Analysis

After the system has operated for approximately four to eight hours following a motor failure, pump it down and draw an oil sample. Check the acidity of the oil sample using one of the oil test kits which are commercially available. If the oil test shows an unsatisfactory acid level, change the oil and the cores of the liquid line and suction line filter-driers, restart the system and allow it to operate for an additional eight hours. Repeat this procedure until the oil test is satisfactory. Remove the suction line cores or the entire suction filter assembly and replace with straight pipe.

Conditions: (R12, -10° SST, 105° SCT)(R12, 20° SST, 120° SCT)(R12 & R22, 45° SST, 130° SCT)(R502, -10° SST, 105° SCT)(R502, 0° SST, 110° SCT) 0° SC, 65° RGT

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		E2027W	E2027X	E2036X	E2036Y	E2050Y
		HERMETIC				
NET OIL PRESSURE						
CYLINDERS		6	6	6	6	6
BORE		2.36	2.36	2.76	2.76	3.23
STROKE		2.56	2.56	2.56	2.56	2.56
DISPLACEMENT CFH		4110	4110	5508	5508	7628
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		18	18	18	18	18
NET WEIGHT		950	966	966	975	961
RATED BTUH @ SST LISTED X 1000	R12 45°F	15.7		20.6		28.2
	R12 20°F	9.8		13.0		18.0
	R12 -10°F					
	R22 45°F		21.4		29.0	
	R502 -10°F	6.6		8.7		13.0
	R502 0°F	9.1		12.0		17.7
MOTOR SIZE HP						
ELECTRICAL DATA						
220-240 -3- 60	LRA	328	420	420	570	570
	RLA	73	112	112	154	154
440-480 -3- 60	LRA	157	210	210	285	285
	RLA	36.5	56	56	77	77
550-600 -3- 60	LRA	140	200	200	270	270
	RLA	30.5	47.5	47.5	65	65

Conditions: All SST listed, 120° SCT, 65° RGT.

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		E2050Z				
		HERMETIC				
NET OIL PRESSURE						
CYLINDERS		6				
BORE		3.23		<p><u>Taking Superheat</u>                      Strap temperature sensor tightly to a clean suction line within 12 inches of the compressor suction service valve, replace armaflex, wrap with two layers of one inch fiberglass insulation (or equivalent) six inches in both direction from the sensor. Take the superheat reading and correct as follows:                      50 degrees ambient deduct 2 degrees,                      60 degrees ambient deduct 2-3/4 degrees,                      70 degrees ambient deduct 3-1/2 degrees,                      80 degrees ambient deduct 4-1/4 degrees,</p>		
STROKE		2.56				
DISPLACEMENT CFH		7628				
OIL GRADE		150				
OIL CHARGE PINTS		18				
NET WEIGHT		1001				
RATED BTUH @ SST LISTED X 1000	R12 45°F					
	R12 20°F					
	R12 -10°F					
	R22 45°F	46.1				
	R502 -10°F					
	R502 0°F					
MOTOR SIZE HP						
ELECTRICAL DATA						
220-240	LRA	720				
	-3-60	RLA	188			
440-480	LRA	385				
	-3-60	RLA	94			
550-600	LRA	353				
	-3-60	RLA	75			

Conditions: All SST listed, 120° SCT, 65° RGT.

**PHYSICAL DATA**  
**MANUFACTURER PRESTCOLD**

MODEL		E2027C	E2036C	E2050C					
		OPEN DRIVE							
NET OIL PRESSURE									
CYLINDERS		6	6	6					
BORE		2.36	2.76	3.23					
STROKE		2.56	2.56	2.56					
DISPLACEMENT CFH		4110	5508	7628					
OIL GRADE		150	150	150					
OIL CHARGE PINTS		18	18	18					
NET WEIGHT		691	695	678					
RATED BTUH @ SST LISTED X 1000	R12 45°F	17.4	23.2	34.1					
	R12 20°F	10.4	14.1	22.2					
	R12 -10°F								
	R22 45°F	26.0	36.0	47.5					
	R502 -10°F	7.9	10.6	14.8					
	R502 0°F	10.0	13.7	18.9					
MOTOR SIZE HP									
ELECTRICAL DATA									
220-240	LRA	<p>Oil Failure Switches for LG1136 and R Compressors should have cutout of 9 PSI, 120 Second delay.</p> <p>Oil Failure Switches for C4, C6 &amp; E2 Compressors should have a cutout of 13.5 PSI, 120 Second delay.</p>							
-3-	RLA								
60									
440-480	LRA								
-3-	RLA								
60									
550-600	LRA								
-3-	RLA								
60									

Conditions: All SST listed, 120° SCT, 65° RGT, 1740 RPM.

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		B & 2B	514	516	518		
NET OIL PRESSURE			75	75	75		
CYLINDERS			4	6	8		
BORE			2-1/2	2-1/2	2-1/2		
STROKE			2	2	2		
DISPLACEMENT CFM			39.7	59.6	79.6		
OIL GRADE			300	300	300		
OIL CHARGE PINTS			15	17	17-1/2		
NET WEIGHT			442	480	542		
RATED TONS	R-12		10	15	20		
	R-22		15	25	30		
<p>Model 'B' Compressors are configured for R-12                      Model '2B' Compressors are configured for R-22</p> <p>Model 'B' and '2B' Compressors are obsolete.                      Replace with Model 'F' Compressors.</p>							

**PHYSICAL DATA**

**MANUFACTURER      TRANE**

MODEL		A & 2A	514	516	518		
NET OIL PRESSURE			75	75	75		
CYLINDERS			4	6	8		
BORE			3-1/4	3-1/4	3-1/4		
STROKE			2-3/4	2-3/4	2-3/4		
DISPLACEMENT CFM			92.3	138.5	184.7		
OIL GRADE			300	300	300		
OIL CHARGE      PINTS			27	28	28		
NET WEIGHT			706	790	864		
RATED TONS	R-12		25	40	50		
	R-22		40	60	75		
<p>Model 'A' Compressors are configured for R-12                      Model '2A' Compressors are configured for R-22</p> <p>Model 'A' and '2A' Compressors are obsolete.                      Replace with Model 'E' Compressors.</p>							





**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		1F5	3	4	5	6	8	
A & B DESIGN		HERMETIC R-12						
NET OIL PRESSURE		75	75	75	75	75		
CYLINDERS		3	4	5	6	8		
BORE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4		
STROKE		2	2	2	2	2		
DISPLACEMENT CFM		36.1	48.1	60.2	72.2	96.2		
OIL GRADE		300	300	300	300	300		
OIL CHARGE PINTS		13-1/2	18	19	19	20-1/2		
NET WEIGHT		790	710	790	810	922		
RATED TONS	R-12	10	12-1/2	15	20	25		
MOTOR SIZE HP		10	12-1/2	15	20	25		
		LARGE MOTOR BARREL						
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED						
230	LRA	157	200	220	290	365		
-3-	A/C RLA	32.5	47	56	72	88		
60	W/C RLA	29	42	50	64	80		
460	LRA	79	100	110	145	182		
-3-	A/C RLA	16.5	23.5	28	36	44		
60	W/C RLA	14.5	21	25	32	40		
575	LRA	57		84	111	140		
-3-	A/C RLA	13.8		21.4	27	34		
60	W/C RLA	12.8		19.2	24	31		

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		1F5	4	5	6	8	
C & D DESIGN		HERMETIC R-12					
NET OIL PRESSURE		75	75	75	75		
CYLINDERS		4	5	6	8		
BORE		2-3/4	2-3/4	2-3/4	2-3/4		
STROKE		2	2	2	2		
DISPLACEMENT CFM		48.1	60.2	72.2	96.2		
OIL GRADE		300	300	300	300		
OIL CHARGE PINTS		18	19	19	20-1/2		
NET WEIGHT		626	694	690	776		
RATED TONS	R-12	12-1/2	15	20	25		
MOTOR SIZE HP		12-1/2	15	20	25		
		SMALL MOTOR BARREL					
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED					
230	LRA	200	230	304	382		
-3-	A/C RLA	47	50	65	80		
60	W/C RLA	42	45	58	72		
460	LRA	100	115	152	191		
-3-	A/C RLA	23.5	25	33	40		
60	W/C RLA	21	22	29	36		
575	LRA		88	111	140		
-3-	A/C RLA		21	27	34		
60	W/C RLA		19	24	31		

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		2F5	3	4	5	6	8	
A & B DESIGN		HERMETIC R-22						
NET OIL PRESSURE		75	75	75	75	75		
CYLINDERS		3	4	5	6	8		
BORE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4		
STROKE		2	2	2	2	2		
DISPLACEMENT CFM		36.1	48.1	60.2	72.2	96.2		
OIL GRADE		300	300	300	300	300		
OIL CHARGE PINTS		13-1/2	18	19	19	20-1/2		
NET WEIGHT		522	710	790	810	922		
RATED TONS	R-22	15	20	25	30	40		
MOTOR SIZE HP		15	20	25	30	40		
		LARGE MOTOR BARREL						
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED						
230	LRA	220	290	365	435	580		
-3-	A/C RLA	56	72	88	106	140		
60	W/C RLA	50	64	80	96	126		
460	LRA	110	145	182	218	290		
-3-	A/C RLA	28	36	44	53	70		
60	W/C RLA	25	32	40	48	63		
575	LRA	84	111	140	168	222		
-3-	A/C RLA	21.4	27	34	41	54		
60	W/C RLA	19.2	24	31	36	48		

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		2F5♣	3♣	4♣	5♣	6♣	8♣	
C & D DESIGN		HERMETIC R-22						
NET OIL PRESSURE		75	75	75	75	75		
CYLINDERS		3	4	5	6	8		
BORE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4		
STROKE		2	2	2	2	2		
DISPLACEMENT CFM		36.1	48.1	60.2	72.2	96.2		
OIL GRADE		300	300	300	300	300		
OIL CHARGE PINTS		13-1/2	18	19	19	20-1/2		
NET WEIGHT		522	626	694	694	776		
RATED TONS	R-22	15	20	25	30	40		
MOTOR SIZE HP		15	20	25	30	40		
		SMALL MOTOR BARREL						
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED						
230 -3- 60	LRA	230	304	382	455	614		
	A/C RLA	50	65	80	96	130		
	W/C RLA	45	58	72	87	114		
460 -3- 60	LRA	115	152	191	228	307		
	A/C RLA	25	33	40	48	65		
	W/C RLA	22	29	36	44	57		
575 -3- 60	LRA	88	111	140	168	226		
	A/C RLA	21	27	34	41	55		
	W/C RLA	19	24	31	36	48		

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		3E5♣	40	50	60	80						
		OPEN DRIVE R-22										
NET OIL PRESSURE			75	75	75	75						
CYLINDERS			4	5	6	8						
BORE			3.66	3.66	3.66	3.66						
STROKE			2-3/4	2-3/4	2-3/4	2-3/4						
DISPLACEMENT CFM			117.2	146.5	175.8	234.4						
OIL GRADE			300	300	300	300						
OIL CHARGE PINTS			29	31	31	33						
NET WEIGHT			784	884	916	1005						
RATED BTUH X 1000												
	R-22		48.5	60.4	72.8	98.8						
MOTOR SIZE BHP			63.5	78.7	94.8	128						
ELECTRICAL DATA		<p style="text-align: center;">ALWAYS USE A PRESSURE REGULATOR WHEN USING NITROGEN TO PRESSURE TEST. FAILURE TO DO SO WILL RESULT IN EXTREMELY HIGH PRESSURE WHICH COULD EXCEED THE BURST PRESSURE OF THE COMPRESSOR OR OTHER SYSTEM COMPONENTS AND RESULT IN PERSONAL INJURY OR DEATH.</p>										
200	LRA											
-3-	MAX RLA											
60	FUSETRON SIZE											
230	LRA											
-3-	MAX RLA											
60	FUSETRON SIZE											
460	LRA											
-3-	MAX RLA											
60	FUSETRON SIZE											

NOTE: Conditions are 45° Evap.(SST), 130° Cond. (SDT), 15° Subcooling, 20° Superheat

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		1E5	4	5	6	8		
		HERMETIC R-12						
NET OIL PRESSURE			75	75	75	75		
CYLINDERS			4	5	6	8		
BORE			3.66	3.66	3.66	3.66		
STROKE			2-3/4	2-3/4	2-3/4	2-3/4		
DISPLACEMENT CFM			117.2	146.5	175.8	234.4		
OIL GRADE			300	300	300	300		
OIL CHARGE PINTS			32	34	34	36		
NET WEIGHT			1290	1415	1444	1616		
RATED TONS	R-12		30	40	50	60		
MOTOR SIZE HP			30	40	50	60		
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED						
230	LRA		456	614	750	910		
-3-	A/C RLA		96	130	155	191		
60	W/C RLA		88	114	133	170		
460	LRA		228	307	375	455		
-3-	A/C RLA		48	65	78	96		
60	W/C RLA		44	57	67	85		
575	LRA		168	226	274	333		
-3-	A/C RLA		41	55	65	80		
60	W/C RLA		36	48	56	72		

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		2E5	4	5	6	8		
		HERMETIC R-22						
NET OIL PRESSURE			75	75	75	75		
CYLINDERS			4	5	6	8		
BORE			3.66	3.66	3.66	3.66		
STROKE			2-3/4	2-3/4	2-3/4	2-3/4		
DISPLACEMENT CFM			117.2	146.5	175.8	234.4		
OIL GRADE			300	300	300	300		
OIL CHARGE PINTS			32	34	34	36		
NET WEIGHT			1298	1406	1444	1704		
RATED TONS								
	R-22		50	60	75	100		
		LARGE MOTOR BARREL (18-1/2")						
MOTOR SIZE HP			50	60	75	100		
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED						
230	LRA		750	910	1100	1520		
-3-	A/C RLA		155	191	248	266		
60	W/C RLA		133	170	202	310		
460	LRA		375	455	550	760		
-3-	A/C RLA		78	96	124	155		
60	W/C RLA		67	85	101	133		
575	LRA		274	333	400	555		
-3-	A/C RLA		65	80	101	131		
60	W/C RLA		56	72	86	113		



**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		CRHE	750	100			
NET OIL PRESSURE			75	75			
CYLINDERS			6	8			
BORE			3.66	3.66			
STROKE			2-3/4	2-3/4			
DISPLACEMENT CFM			175.8	234.4			
OIL GRADE			300	300			
OIL CHARGE		PINTS	34	34			
NET WEIGHT			1444	1704			
RATED TONS							
	R-22		75	100			
MOTOR SIZE		HP	75	100			
			SMALL MOTOR BARREL(14-3/4")				
ELECTRICAL DATA			A/C AIR COOLED - W/C WATER COOLED				
230	LRA		1054	1390			
-3-	A/C RLA		222	299			
60	W/C RLA		182	244			
460	LRA		524	695			
-3-	A/C RLA		112	148			
60	W/C RLA		90	118			
575	LRA		426	556			
-3-	A/C RLA		88	118			
60	W/C RLA		73	94			

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL	CRHM	100	130	170	170	190
	DESIGN			A-C	D-G	
NET OIL PRESSURE		30	30	30	30	30
CYLINDERS		3	4	5	6	6
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		2-1/4	2-1/4	2-1/4	1-7/8	2-1/4
DISPLACEMENT CFM		38.8	51.7	64.6	64.8	77.5
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		11	11	13	13	13
NET WEIGHT		454	466	548	548	548
RATED TONS	R-12	10	13	17	17	19
	R-500					
	R-22					
	R-502					
MOTOR SIZE HP		10	13	17	17	20
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
200 -3- 60	LRA	219	260	371	371	376
	A/C RLA	43	54.5	112.6	112.6	114
	W/C RLA	32.6	43.5	91.4	91.4	93.1
230 -3- 60	LRA	190	225	324	324	328
	A/C RLA	36.5	46.7	97.7	97.7	98.8
	W/C RLA	28.9	37.7	79.7	79.7	80.7
460 -3- 60	LRA	95	113	162	162	164
	A/C RLA	18.6	23.4	44.6	44.6	49.4
	W/C RLA	14.3	19.4	36.1	36.1	40.8

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL	CRHM	150	160	200	250	250
	DESIGN				A-C	D-G
NET OIL PRESSURE		30	30	30	30	30
CYLINDERS		3	4	4	5	6
BORE		2-11/16	2-11/16	2-11/16	2-11/16	2-11/16
STROKE		2-1/4	1-7/8	2-1/4	2-1/4	1-7/8
DISPLACEMENT CFM		38.8	43.2	51.7	64.6	64.6
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		11	11	11	13	13
NET WEIGHT		454	466	466	530	530
RATED TONS	R-12					
	R-500					
	R-22	15	16	20	25	25
	R-502					
MOTOR SIZE HP		15	16	20	25	25
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
200 -3- 60	LRA	310	350	396	483	483
	A/C RLA	95	106	120	158	158
	W/C RLA	78	86	98	129	129
230 -3- 60	LRA	270	305	345	420	420
	A/C RLA	83	92	104	137	137
	W/C RLA	68	75	85	112	112
460 -3- 60	LRA	135	153	173	210	210
	A/C RLA	42	42	52	65	65
	W/C RLA	34	34	43	56	56

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL	CRHM	300				
NET OIL PRESSURE		30	25.4 millimeters is equal to 1 inch vacuum. 29 inches vacuum is equivalent to 25,400 microns. 29.996 inches vacuum is equal to 100 microns. Acceptable vacuum reading on a system cannot be taken with a compound gauge.			
CYLINDERS		6				
BORE		2-11/16				
STROKE		2-1/4				
DISPLACEMENT CFM		77.5				
OIL GRADE		150				
OIL CHARGE	PINTS	13				
NET WEIGHT		548				
RATED TONS	R-12					
	R-500					
	R-22	30				
	R-502					
MOTOR SIZE	HP	30				
ELECTRICAL DATA	A/C AIR COOLED - W/C WATER COOLED					
200	LRA	551	CAUTION NEVER USE OXYGEN OR ACETYLENE IN PLACE OF REFRIGERANT AND DRY NITROGEN FOR LEAK TESTING. A VIOLENT EXPLOSION MAY RESULT CAUSING PERSONAL INJURY OR DEATH.			
	-3- A/C RLA	179				
	60 W/C RLA	147				
230	LRA	480				
	-3- A/C RLA	156				
	60 W/C RLA	128				
460	LRA	240				
	-3- A/C RLA	78				
	60 W/C RLA	64				

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		CRHR	260	261*	320	321*	350
NET OIL PRESSURE			30	30	30	30	30
CYLINDERS			4	4	6	6	4
BORE			3.44	3.44	3.44	3.44	3.44
STROKE			2.75	2.75	2.3	2.3	2.3
DISPLACEMENT CFM			103.5	103.5	129.9	129.9	86.6
OIL GRADE			150	150	150	150	150
OIL CHARGE		PINTS	20	20	27	27	20
NET WEIGHT			815	815	950	950	815
RATED TONS	R-12		26	26	32	32	
	R-500						
	R-22						35
	R-502						X
MOTOR SIZE		HP					35
ELECTRICAL DATA			A/C AIR COOLED - W/C WATER COOLED				
200	LRA		485	485	582	582	729
	-3- A/C RLA		103	103	125	125	201
	60 W/C RLA						164
230	LRA		420	420	506	506	631
	-3- A/C RLA		90	90	109	109	171
	60 W/C RLA						149
460	LRA		210	210	253	253	315
	-3- A/C RLA		45	45	55	55	88
	60 W/C RLA						74

\* Low Lift Valves - Required Below 10<sup>o</sup> F

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL		CRHR	351*	380	381*	400	401*
NET OIL PRESSURE			30	30	30	30	30
CYLINDERS			4	6	6	4	4
BORE			3.44	3.44	3.44	3.44	3.44
STROKE			2.3	2.75	2.75	2.75	2.75
DISPLACEMENT CFM			86.6	155.3	155.3	103.5	103.5
OIL GRADE			150	150	150	150	150
OIL CHARGE		PINTS	20	27	27	20	20
NET WEIGHT			815	977	977	815	815
RATED TONS	R-12			38	38		
	R-500						
	R-22		35			40	40
	R-502		X			X	X
MOTOR SIZE		HP	35			40	40
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED					
200	LRA		729	725	725	910	910
-3-	A/C RLA		201	140	140	258	258
60	W/C RLA		164	128	128	234	234
230	LRA		631	630	630	792	792
-3-	A/C RLA		171	122	122	226	226
60	W/C RLA		149	95	95	212	212
460	LRA		315	315	315	396	396
-3-	A/C RLA		88	61	61	113	113
60	W/C RLA		74	55	55	106	106

\* Low Lift Valves - Required Below 10<sup>o</sup> F

**PHYSICAL DATA**

**MANUFACTURER TRANE**

MODEL	CRHR	500	501*	600	601*	
NET OIL PRESSURE		30	30	30	30	
CYLINDERS		6	6	6	6	
BORE		3.44	3.44	3.44	3.44	
STROKE		2.3	2.3	2.75	2.75	
DISPLACEMENT CFM		129.9	129.9	155.3	155.3	
OIL GRADE		150	150	150	150	
OIL CHARGE	PINTS	27	27	27	27	
NET WEIGHT		950	950	977	977	
RATED TONS	R-12					
	R-500					
	R-22	50	50	60	60	
	R-502	X	X	X	X	
MOTOR SIZE	HP	50	50	60	60	
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
200	LRA	910	910	990	990	
-3-	A/C RLA	258	258	316	316	
60	W/C RLA	234	234	280	280	
230	LRA	792	792	860	860	
-3-	A/C RLA	226	226	275	275	
60	W/C RLA	212	212	252	252	
460	LRA	396	396	430	430	
-3-	A/C RLA	113	113	138	138	
60	W/C RLA	106	106	126	126	

\* Low Lift Valves - Required Below 10<sup>o</sup> F

**PHYSICAL DATA**

**MANUFACTURER WESTINGHOUSE**

MODEL		CLS-21	CLS-31	CLS-41	CLS-51	CLS-61
NET OIL PRESSURE		N/A	N/A	N/A	N/A	N/A
CYLINDERS		2	2	2	2	2
BORE		2	2	2-1/8	2-3/8	2-3/8
STROKE		1-1/2	1-1/2	1-1/2	2-1/8	1-1/2
DISPLACEMENT CFM		9.54	9.54	10.77	19.06	13.46
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		2-1/2	2-1/2	2-1/2	3	2-1/2
NET WEIGHT		200	200	210	280	210
RATED TONS	R-12	H			H	
	R-22		H	H		H
MOTOR SIZE HP		2	3	4	5	6
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
230 -1- 60	LRA	49	95	110	110	132
	A/C FLA	15.0	26.1	29.5	30.0	38.0
	W/C FLA	12.6	22.0	23.1	24.0	32.0
208-220 -3- 60	LRA	42/44	65/69	108	85/90	108
	A/C FLA	11.8/11.2	17.2/16.3	24	22/20.8	24.4/23.1
	W/C FLA	8.15/7.7	14.5/13.7	20.6	18.4/17.4	18.9/17.9
440 -3- 60	LRA	22	35	54	45	54
	A/C FLA	5.6	8.2	12.0	10.4	11.6
	W/C FLA	3.85	6.9	10.3	8.7	8.9



**PHYSICAL DATA**

**MANUFACTURER WESTINGHOUSE**

MODEL		CLS-81	CLS-86	CLS108	CLS125	CLS150
NET OIL PRESSURE		N/A	30-50	30-50	30-50	30-50
CYLINDERS		2	4	4	4	4
BORE		2-3/8	3	3-3/8	3	3-3/8
STROKE		2-1/8	3	3	3	3
DISPLACEMENT CFM		19.06	85.9	108.7	85.9	108.7
OIL GRADE		300	500	500	500	500
OIL CHARGE PINTS		3	28	28	28	28
NET WEIGHT		280	1080	1080	1080	1080
RATED TONS	R-12					
	R-500					
	R-22	H			29.2	39.6
	R-502					
MOTOR SIZE HP		7-1/2	20	25	30	45
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
230 -1- 60	LRA					
	A/C FLA					
	W/C FLA					
208-220 -3- 60	LRA	113/120				
	A/C FLA	30/28.4				
	W/C FLA	30/28.4				
440 -3- 60	LRA	60				
	A/C FLA	15.0				
	W/C FLA	14.2				

**PHYSICAL DATA**

**MANUFACTURER WESTINGHOUSE**

MODEL		CLS185				
NET OIL PRESSURE		30-50	<p>The use of Oil Failure switches on all compressors with positive displacement oil pumps is required by Brainerd Compressor. Failure to use an Oil Failure switch voids the warranty.</p>			
CYLINDERS		4				
BORE		3-3/4				
STROKE		3				
DISPLACEMENT CFM		134.2				
OIL GRADE		500				
OIL CHARGE PINTS		28				
NET WEIGHT		1080				
RATED TONS	R-12					
	R-22	46.8				
MOTOR SIZE HP		55				
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
230 -1- 60	LRA	<p><u>LIQUID SLUGGING</u> Dirty filters, fan or pump problems, coil blockage, coil frosting, hunting expansion valve, light load conditions, refrigerant migration, fouled water chiller, improper piping, or bad TXV can all cause slugging.</p>				
	A/C FLA					
	W/C FLA					
208-220 -3- 60	LRA					
	A/C FLA					
	W/C FLA					
440 -3- 60	LRA					
	A/C FLA					
	W/C FLA					

**PHYSICAL DATA**

**MANUFACTURER WESTINGHOUSE**

MODEL		CB065	CB094	CB101	CB127	CB151
NET OIL PRESSURE		25-30	25-30	25-30	25-30	25-30
CYLINDERS		4	4	4	4	4
BORE		2-1/8	2-1/16	2-1/8	2-3/8	2-3/8
STROKE		1-5/8	1-5/8	1-5/8	1-5/8	2
DISPLACEMENT CFM		23.34	22.0	23.34	29.16	35.89
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		8	8	8	8	8
NET WEIGHT		300	300	300	300	325
RATED TONS	R-12	7.5				
	R-22		7.5	8	10	15
MOTOR SIZE HP		7-1/2	7-1/2	8	10	15
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
240 -1- 60	LRA	72	72	132	174	220
	A/C FLA	16.5	16.5	33	40.4	53.2
	W/C FLA	13.3	13.3	25.8	33	40.4
480 -3- 60	LRA	6.6	66	66	87	110
	A/C FLA	15.1	15.1	16.5	20.2	26.6
	W/C FLA	12.2	12.2	12.9	16.5	20.2
550 -3- 60	LRA	58	58	67	91	110
	A/C FLA	13.2	13.2	14.4	17.6	23.2
	W/C FLA	10.6	10.6	11.3	14.4	17.6

**PHYSICAL DATA**

**MANUFACTURER WESTINGHOUSE**

MODEL		CC035	CC040	CC050	CC055	CC060
NET OIL PRESSURE		20-40	20-40	20-40	20-40	20-40
CYLINDERS		4	4	6	6	6
BORE		3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE		2-3/8	2-5/8	2-1/8	2-3/8	2-5/8
DISPLACEMENT CFM		79.8	88.2	107.1	119.7	123.3
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		24	24	30	30	30
NET WEIGHT		710	720	1210	1240	1275
RATED TONS	R-12	20.0	22.9			
	R-22	30.0	33.5	41.1	45.8	50.4
MOTOR SIZE HP						
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
208-240						
-3-	A/C OHMS	.130	.056	.102	.087	.074
60	W/C OHMS	.156	.130	.102	.102	.087
440-480						
-3-	A/C OHMS	.520	.226	.408	.348	.296
60	W/C OHMS	.624	.520	.408	.408	.348
550						
-3-	A/C OHMS	.810	.350	.640	.545	.465
60	W/C OHMS	.980	.820	.640	.640	.348

NOTE: Conditions - (R22, 115° Condensing Temperature, 40° Evaporator) (R12, 125° Condensing Temperature, 40° Evaporator)

**PHYSICAL DATA**

**MANUFACTURER WESTINGHOUSE**

MODEL		CC070	CC080	CC095	CC105	CC115
NET OIL PRESSURE		20-40	20-40	20-40	20-40	20-40
CYLINDERS		8	8	12	12	12
BORE		3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE		2-3/8	2-5/8	2-1/8	2-3/8	2-5/8
DISPLACEMENT CFM		159.6	176.4	214.3	239.5	264.7
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		32	32	60	60	60
NET WEIGHT		1457	1482	1920	1960	1985
RATED TONS	R-12	48.3				
	R-22	59.9	65.6	80.6	90.1	99.5
MOTOR SIZE HP						
ELECTRICAL DATA		A/C AIR COOLED - W/C WATER COOLED				
208-240						
-3-	A/C OHMS	.065	.052	.053	.044	.035
60	W/C OHMS	.074	.065	.053	.053	.044
440-480						
-3-	A/C OHMS	.260	.208	.212	.176	.138
60	W/C OHMS	.296	.260	.212	.212	.176
550						
-3-	A/C OHMS	.405	.325	.330	.286	.212
60	W/C OHMS	.465	.405	.330	.330	.286

NOTE: Conditions - (R22, 115° Condensing Temperature, 40° Evaporator) (R12, 125° Condensing Temperature, 40° Evaporator)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2JF2-2	2JF2-3	2JF3	2JF5	23JF5
NET OIL PRESSURE		15	15	15	15	15
CYLINDERS		2	2	3	5	5
BORE		1-15/16	1-15/16	1-15/16	1-15/16	2-3/64
STROKE		1-7/16	1-7/16	1-7/16	1-7/16	1-7/16
DISPLACEMENT CFM		8.59	8.59	12.88	21.38	23.96
OIL GRADE		280-300	280-300	280-300	280-300	280-300
OIL CHARGE PINTS					7	7
NET WEIGHT					285	290
NO RATED TONS	R-12	X	X	X	X	X
	R-22	X	X	X	X	X
MOTOR SIZE HP		2	3	5	7-1/2	10
ELECTRICAL DATA						
208-220	LRA	<p>25.4 millimeters is equal to 1 inch vacuum. 29 inches vacuum is equivalent to 25,400 microns. 29.996 inches vacuum is equal to 100 microns. Acceptable vacuum reading on a system cannot be taken with a compound gauge.</p>				
-3-	FLA					
60	UTILITY TRIP					
440	LRA					
-3-	FLA					
60	UTILITY TRIP					
550	LRA					
-3-	FLA					
60	UTILITY TRIP					

NOTE: Obsolete Product, Parts Not Available.

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		3JS4	3JF4	3JF6	4JF4	4JF6
NET OIL PRESSURE		20-25	20-25	20-25	20-25	20-25
CYLINDERS		4	4	6	4	6
BORE		3-1/8	3-1/8	3-1/8	4-3/4	4-3/4
STROKE		2-3/4	2-3/4	3	3-5/8	3-5/8
DISPLACEMENT MAX CFM		43.9	58.6	95.9	178.4	267.7
OIL GRADE		SEE BELOW				
OIL CHARGE PINTS		8	8	20	24	24
NET WEIGHT		400	400	610	1145	1560
NO RATED TONS	R-12	X	X	X	X	X
	R-22	X	X	X	X	X
MOTOR SIZE HP						
ELECTRICAL DATA						
	MINIMUM RPM	425	784	784	500	500
	MAXIMUM RPM	900	1200	1200	1200	1200
		Minimum RPM is minimum for acceptable oil Pressure.				
		150-160 SSU -40 <sup>o</sup> to -120 <sup>o</sup> 280-300 SSU 0 <sup>o</sup> to -40 <sup>o</sup> 500-560 SSU 0 <sup>o</sup> and above				

NOTE: Obsolete Product, Parts Not Available.

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		6JF4	6JF6			
NET OIL PRESSURE		20-25	20-25			
CYLINDERS		4	6			
BORE		6-3/8	6-3/8			
STROKE		5	5			
DISPLACEMENT MAX CFM		332.5	498.7			
OIL GRADE		SEE BELOW				
OIL CHARGE	PINTS	72	72			
NET WEIGHT		2950	3550			
NO RATED TONS	R-12	X	X			
	R-22	X	X			
MOTOR SIZE HP						
ELECTRICAL DATA						
	MINIMUM RPM	500	500			
	MAXIMUM RPM	900	900			
		Minimum RPM is minimum for acceptable oil Pressure.				
		150-160 SSU -40 <sup>o</sup> to -120 <sup>o</sup> 280-300 SSU 0 <sup>o</sup> to -40 <sup>o</sup> 500-560 SSU 0 <sup>o</sup> and above				

NOTE: Obsolete Product, Parts Not Available.



**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		4HF4	4HF6			
NET OIL PRESSURE		25	25			
CYLINDERS		4	6			
BORE		4-3/4	4-3/4			
STROKE		3-5/8	3-5/8			
DISPLACEMENT CFM		SEE BELOW				
OIL GRADE						
OIL CHARGE	GAL	3	3-1/2			
NET WEIGHT						
NO RATED TONS	R-12	X	X			
	Methyle Chloride	X	X			
	R-22					
MOTOR SIZE HP		10-25	25-40			
LISTED RPM's						
CFM @ 400 RPM		59.48				
CFM @ 542 RPM		80.6				
CFM @ 668 RPM		99.34				
CFM @ 530 RPM			118.22			
CFM @ 720 RPM			160.6			

NOTE: Obsolete Product, Parts Not Available.

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2VC4	2VC5	2VC6	2VC7	2VC8
		OPEN DRIVE				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		4	5	6	7	8
BORE		2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
STROKE		2.565	2.565	2.565	2.565	2.565
DISPLACEMENT CFM		51.0	63.8	76.5	89.3	102.0
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		22	23	23	24	24
NET WEIGHT						
RATED TONS	R-12	<p><u>Oil Analysis</u></p> <p>After the system has operated for approximately four to eight hours following a motor failure, pump it down and draw an oil sample. Check the acidity of the oil sample using one of the oil test kits which are commercially available. If the oil test shows an unsatisfactory acid level, change the oil and the cores of the liquid line and suction line filter-driers, restart the system and allow it to operate for an additional eight hours. Repeat this procedure until the oil test is satisfactory. Remove the suction line cores or the entire suction filter assembly and replace with straight pipe.</p>				
	R-22					
MOTOR SIZE HP						
ELECTRICAL DATA						
208-220	LRA					
-3-	FLA					
60	UTILITY TRIP					
440	LRA					
-3-	FLA					
60	UTILITY TRIP					
550	LRA					
-3-	FLA					
60	UTILITY TRIP					

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2VXC3	2VXC4	2VXC5	2VXC6	2VXC7
CLIMATROL MODEL		CVC020	CVC025	CVC030	CVC035	CVC042
		OPEN DRIVE				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		3	4	5	6	7
BORE		2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
STROKE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM		41.0	54.7	68.4	82.0	95.7
OIL GRADE		300	300	300	300	300
OIL CHARGE	PINTS	22	22	23	23	24
NET WEIGHT						
RATED BTUH @ SST LISTED X 1000	R-12 45°F	121.8	161.6	202.0	241.2	
	R-12 20°F	72.6	97.2	121.8	144.0	
	R-22 45°F	208.9	278.0	347.0	415.0	
	R-22 20°F	118.2	158.0	199.0	236.0	
ELECTRICAL DATA						
208-220	LRA					
-3-	FLA					
60	UTILITY TRIP					
440	LRA					
-3-	FLA					
60	UTILITY TRIP					
550	LRA					
-3-	FLA					
60	UTILITY TRIP					

Brainerd Compressor Inc.  
sells Calumet Refrigeration  
Oil packaged under the  
Brainerd compressor label.

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2VXC8				
CLIMATROL MODEL		CVC048				
		OPEN DRIVE				
NET OIL PRESSURE		30-60				
CYLINDERS		8				
BORE		2-1/2				
STROKE		2-3/4				
DISPLACEMENT CFM		109.4				
OIL GRADE		300				
OIL CHARGE PINTS		24				
NET WEIGHT						
RATED TONS	R-12					
	R-22	48.0				
MOTOR SIZE HP						
ELECTRICAL DATA						
208-220	LRA					
-3-	FLA					
60	UTILITY TRIP					
440	LRA					
-3-	FLA					
60	UTILITY TRIP					
550	LRA					
-3-	FLA					
60	UTILITY TRIP					

Taking Superheat  
Strap temperature sensor tightly to a clean suction line within 12 inches of the compressor suction service valve, replace armaflex, wrap with two layers of one inch fiberglass insulation (or equivalent) six inches in both direction from the sensor. Take the superheat reading and correct as follows:  
50 degrees ambient deduct 2 degrees,  
60 degrees ambient deduct 2-3/4 degrees,  
70 degrees ambient deduct 3-1/2 degrees,  
80 degrees ambient deduct 4-1/4 degrees,  
90 degrees ambient deduct 5 degrees.

Rating: R22, 1750 RPM, 40° SST, 105° SCT, 15° Superheat, 5° Subcooling.

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2VHD4	2VHG5	2VHG6	2VHJ7	2VHJ8
		HERMETIC				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		4	5	6	7	8
BORE		2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
STROKE		2.565	2.565	2.565	2.565	2.565
DISPLACEMENT CFM		51.0	63.8	76.5	89.3	102.0
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		26	27	27	28	28
NET WEIGHT		910	950	950	980	980
RATED TONS	R-12					
	R-22					
MOTOR SIZE HP						
ELECTRICAL DATA		R12/R22	R12/R22	R12/R22	R12/R22	R12/R22
208-220 -3- 60	LRA	186/196	274/290	274/290	333/352	333/352
	FLA	43/60	58/80	66/86	78/108	84/116
	UTILITY TRIP	52.2/73	62.5/99	82/99	45.7/62.5	52.2/73
440 -3- 60	LRA	98	145	145	176	176
	FLA	22/30	29/40	33/43	39/54	42/58
	UTILITY TRIP	27/37.2	33.3/45	37.2/52.2	47.5/62.5	52.2/73
550 -3- 60	LRA	78	116	116	146	146
	FLA	16/24	22/30	24/34	27/42	34/45
	UTILITY TRIP	20.4/29.8	27/37.2	29.8/42.6	33.3/52.2	42.6/58

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2VXH3	2VXH4	2VXH5	2VXH6	2VXH7
		HERMETIC				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		3	4	5	6	7
BORE		2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
STROKE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM		41.0	54.7	68.4	82.0	95.7
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		26	26	27	27	28
NET WEIGHT		910	910	950	950	980
RATED BTUH @ SST LISTED X 1000	R-12 45°F	119.4	158.6	197.9	237.7	276.9
	R-12 20°F	70.24	94.83	119.4	141.7	165.1
	R-22 45°F	204.5	272.3	340.0	406.0	475.0
	R-22 20°F	115.8	154.3	195.3	231.5	270.1
ELECTRICAL DATA						
208-220 -3- 60	LRA	Replacement compressors are often placed into operation without first determining the cause of failure. The cause may have been due to conditions within the system, external to the compressor. A second failure attributable to the same cause as the first is often the result.				
	FLA					
	UTILITY TRIP					
440 -3- 60	LRA					
	FLA					
	UTILITY TRIP					
550 -3- 60	LRA					
	FLA					
	UTILITY TRIP					

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		2VXH8				
CLIMATROL MODEL		CHC046				
		HERMETIC				
NET OIL PRESSURE		30-60				
CYLINDERS		8				
BORE		2-1/2				
STROKE		2-3/4				
DISPLACEMENT CFM		109.4				
OIL GRADE		300				
OIL CHARGE PINTS		28				
NET WEIGHT		980				
RATED BTUH @ SST LISTED X 1000	R-12	45°F	317.0			
	R-12	20°F	189.7			
	R-22	45°F	543.0			
	R-22	20°F	310.0			
ELECTRICAL DATA						
208-220 -3- 60	LRA					
	FLA					
	UTILITY TRIP					
440 -3- 60	LRA					
	FLA					
	UTILITY TRIP					
550 -3- 60	LRA					
	FLA					
	UTILITY TRIP					

The use of Oil Failure switches on all compressors with positive displacement oil pumps is required by Brainerd Compressor. Failure to use an Oil switch Failure voids the warranty.

For Air Conditioning applications with TXV, R22, and 95 to 125 degree condensing temperature Brainerd Compressor Inc recommends a superheat setting of 15 to 20 degrees within 12 inches of the suction service valve.

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		3VC4	3VC5	3VC6	3VC7	3VC8
CLIMATROL MODEL			CVC052	CVC062		
		OPEN DRIVE				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		4	5	6	7	8
BORE		3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM		92.4	115.5	138.6	161.7	184.8
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		40	44	44	48	48
NET WEIGHT						
RATED BTUH @ SST LISTED X 1000	R-12 45°F					
	R-12 20°F					
	R-22 45°F	480.0	600.0	721.0	840.0	960.0
	R-22 20°F	271.3	339.0	408.0	475.0	543.0
ELECTRICAL DATA						
208-220	LRA					
-3-	FLA					
60	UTILITY TRIP					
440	LRA					
-3-	FLA					
60	UTILITY TRIP					
550	LRA					
-3-	FLA					
60	UTILITY TRIP					

Superheated vapor is vapor at a higher temperature than the saturation temperature at the existing pressure. The temperature difference is normally referred to as "SUPERHEAT"

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)



**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		3VXC3	3VXC4	3VXC5	3VXC6	3VXC7
CLIMATROL MODEL		CVC039	CVC053	CVC065	CVC077	CVC090
		OPEN DRIVE				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		3	4	5	6	7
BORE		3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE		3-7/16	3-7/16	3-7/16	3-7/16	3-7/16
DISPLACEMENT CFM		86.6	115.5	144.4	173.3	201.1
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		40	40	44	44	48
NET WEIGHT						
RATED BTUH @ SST LISTED X 1000	R-12 45°F			450.0	537.0	627.0
	R-12 20°F			272.0	325.0	377.0
	R-22 45°F			745.0	893.0	1042.0
	R-22 20°F			421.0	509.0	592.0
ELECTRICAL DATA						
208-220 -3- 60	LRA					
	FLA					
	UTILITY TRIP					
440 -3- 60	LRA					
	FLA					
	UTILITY TRIP					
550 -3- 60	LRA					
	FLA					
	UTILITY TRIP					

Brainerd Compressor Inc.  
sells Calumet Refrigeration  
Oil packaged under the  
Brainerd compressor label.

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		3VXC8				
CLIMATROL MODEL		CVC103				
		OPEN DRIVE				
NET OIL PRESSURE		30-60				
CYLINDERS		8				
BORE		3-1/4				
STROKE		3-7/16				
DISPLACEMENT CFM		231.0				
OIL GRADE		300				
OIL CHARGE PINTS		48				
NET WEIGHT						
RATED BTUH @ SST LISTED X 1000	R-12	45°F	692.0			
	R-12	20°F	413.0			
	R-22	45°F	1191.0			
	R-22	20°F	675.0			
ELECTRICAL DATA						
208-220	LRA					
-3-	FLA					
60	UTILITY TRIP					
440	LRA					
-3-	FLA					
60	UTILITY TRIP					
550	LRA					
-3-	FLA					
60	UTILITY TRIP					

Replacement compressors are often placed into operation without first determining the cause of failure. The cause may have been due to conditions within the system, external to the compressor. A second failure attributable to the same cause as the first is often the result.

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		3VH4	3VH5	3VH6	3VH7	3VH8
CLIMATROL MODEL			CHC051	CHC060		
		HERMETIC				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		4	5	6	7	8
BORE		3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE		2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
DISPLACEMENT CFM		92.4	115.5	138.6	161.7	184.8
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		45	45	47	49	49
NET WEIGHT		1355	1500	1530	1720	1775
RATED BTUH X 1000	R-12 45°F	272.8	342.0	410.0	478.0	547.0
	R-12 20°F	161.6	202.5	243.5	283.3	324.0
	R-22 45°F	470.0	588.0	707.0	822.0	914.0
	R-22 20°F	265.3	332.0	339	465	532.0
MOTOR HP AND CODE		40 - N	45 - O	50 - P	60 - R	75 - T
208-220	LRA	465/492	573/606	639/676	760/804	972/1030
-3-	FLA R12	92	138		180	
60	FLA R22	119	150	178	207	237
440	LRA	246	303	338	402	338
-3-	FLA R12	46	69		90	
60	FLA R22	59	75	89	103	119
550	LRA	197	242	220	322	270
-3-	FLA R12	37	55		72	
60	FLA R22	47	60	71	83	95

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA  
MANUFACTURER**

**WORTHINGTON  
FEDDERS/CLIMATROL**

MODEL		3VXH4	3VXH5	3VXH6	3VXH7	3VXH8
CLIMATROL MODEL		CHC050	CHC063	CHC075	CHC088	CHC101
		HERMETIC				
NET OIL PRESSURE		30-60	30-60	30-60	30-60	30-60
CYLINDERS		4	5	6	7	8
BORE		3-1/4	3-1/4	3-1/4	3-1/4	3-1/4
STROKE		3-7/16	3-7/16	3-7/16	3-7/16	3-7/16
DISPLACEMENT CFM		115.5	144.4	173.3	202.1	231.0
OIL GRADE		300	300	300	300	300
OIL CHARGE PINTS		43	45	47	49	49
NET WEIGHT		1355	1500	1530	1720	1800
RATED BTUH X 1000	R-12 45°F		418.0	502.0	585.0	679.0
	R-12 20°F		252.9	304.0	354.0	405.0
	R-22 45°F		732.0	876.0	1020.0	1167.0
	R-22 20°F		421.0	506.0	590.0	675.0
MOTOR SIZE FT/LB		202#	240#	275#	336#	400#
208-220 -3- 60	LRA	754	865	1050	1270	1400
	FLA					
	UTILITY TRIP					
440 -3- 60	LRA	754	865	1050	1270	1400
	FLA					
	UTILITY TRIP					
550 -3- 60	LRA	340	395	465	567	670
	FLA					
	UTILITY TRIP					

Rating: 1750 RPM, (R22, 45° SST, 130° SCT, 15° SC, 65° RGT) (R12, 45° SST, 130° SCT, 0° SC, 65° RGT)(R12/22, 20° SST, 120° SCT, 0° SC, 65° RGT)

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL JS/JG		43	53	63	73	83
NET OIL PRESSURE		60*	60*	60*	60*	60*
CYLINDERS		4	5	6	7	8
BORE		3-3/4	3-3/4	3-3/4	3-3/4	3-3/4
STROKE		3.2	3.0	3.0	3.1	3.1
DISPLACEMENT CFM		143.2	167.8	201.3	242.7	277.4
OIL GRADE		300	300	300	300	300
OIL CHARGE GALS.		3	3*	3*	3*	3*
NET WEIGHT		1370	1480	1480	1640	1640
RATED TONS	R-12	X	X	X	X	X
	R-22	X	X	X	X	X
<p>* Styles A through D oil pressure should be 25 - 40 PSI above Suction. Styles E, F, &amp; JG should have a minimum of 60 PSI.                  * Styles A through D, 5 through 8 cylinder, 3-1/2 gallon oil charge. Styles E, F, &amp; JG, 3 Gallons, all compressors.</p>						
MODEL JS/JG		44	54	64	74	84
NET OIL PRESSURE		60*	60*	60*	60*	60*
CYLINDERS		4	5	6	7	8
BORE		3-3/4	3-3/4	3-3/4	3-3/4	3-3/4
STROKE		3.8	3.6	3.6	3.7	3.7
DISPLACEMENT CFM		170.0	201.3	241.6	289.7	331.1
OIL GRADE		300	300	300	300	300
OIL CHARGE GALS.		3	3*	3*	3*	3*
NET WEIGHT		1370	1480	1480	1640	1640
RATED TONS	R-12	X	X	X	X	X
	R-22	X	X	X	X	X

**PHYSICAL DATA**

**MANUFACTURER YORK**

YORK MOTORS, MODEL JS, A THROUGH D STYLES						
MOTOR CODE		L	M	N	P	Q
MOTOR SIZE HP		50	60	70	80	95
ELECTRICAL DATA						
208 -3- 60	LRA	820	940	1095	1320	1640
	NAMEPLATE	165	195	227	265	306
230 -3- 60	LRA	740	850	980	1190	1370
	NAMEPLATE	149	177	206	240	275
460 -3- 60	LRA	370	425	490	595	685
	NAMEPLATE	74	88	103	120	138
575 -3- 60	LRA	305	340	415	479	550
	NAMEPLATE	60	71	91	96	111
Motor code is a letter found in the model number on the compressor nameplate and determines what HP motor was used on that compressor.						
MOTOR CODE		S				
MOTOR SIZE HP		115				
ELECTRICAL DATA						
208 -3- 60	LRA	1930				
	NAMEPLATE	382				
230 -3- 60	LRA	1580				
	NAMEPLATE	341				
460 -3- 60	LRA	790				
	NAMEPLATE	171				
575 -3- 60	LRA	635				
	NAMEPLATE	137				

**PHYSICAL DATA**

**MANUFACTURER YORK**

YORK MOTORS, MODEL, JS, E & F STYLES & MODEL JG.						
MOTOR CODE		M	N	P	Q	S
MOTOR SIZE HP		60	70	80	90	115
ELECTRICAL DATA						
200 -3- 60	LRA	913	1099	1203	1541	1746
	NAMEPLATE	202	238	280	318	387
230 -3- 60	LRA	794	956	1046	1340	1518
	NAMEPLATE	174	207	244	275	336
460 -3- 60	LRA	397	478	523	670	756
	NAMEPLATE	87	104	122	137	168
575 -3- 60	LRA	318	382	418	536	607
	NAMEPLATE	70	83	97	110	134
Motor code is a letter found in the model number on the compressor nameplate and determines what HP motor was used on that compressor.						
MOTOR CODE		T	V			
MOTOR SIZE HP		135	160			
ELECTRICAL DATA						
200 -3- 60	LRA					
	NAMEPLATE					
230 -3- 60	LRA					
	NAMEPLATE					
460 -3- 60	LRA	960	1050			
	NAMEPLATE	210	238			
575 -3- 60	LRA	768	840			
	NAMEPLATE	168	190			

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL	Z4H	Z4J	Z4K	Z4M	Z6N
NET OIL PRESSURE	50 PSI MINIMUM ALL Z COMPRESSORS				
CYLINDERS	4	4	4	4	6
BORE	2.7165	2.9135	2.7165	2.9135	2.7165
STROKE	2.4	2.4	3	3	2.4
DISPLACEMENT CFM	56.03	64.45	70.03	80.56	84.04
OIL GRADE	300	300	300	300	300
OIL CHARGE GALS.	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4
NET WEIGHT	720	740	780	800	860
A & B STYLE MOTOR CODES, CHECK NAMEPLATE FOR ELECTRICAL DATA.					
MOTOR CODE	A	B	C	D	E
MANUFACTURER	AOS	AOS	AOS	AOS	AOS
NOMINAL OHMS 200V	0.171	0.138	0.128	.0752	.0608
NOMINAL OHMS 230V	0.216	0.182	0.163	.1000	.0832
NOMINAL OHMS 460V	0.866	0.728	0.652	.4000	.3200
MOTOR CODE	D	E			
MANUFACTURER	LS	LS			
NOMINAL OHMS 200V	0.082	0.068			
NOMINAL OHMS 230V	0.108	0.090			
NOMINAL OHMS 460V	0.433	0.036			

NOTE: Last Didgit in Model Number Specifies Motor Manufacturer.

L = Leroy Somer S = AO Smith



**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL	Z6R	Z6S	Z6W	Z6AE	
NET OIL PRESSURE	50 PSI MINIMUM ALL Z COMPRESSORS				
CYLINDERS	6	6	6	6	
BORE	2.9135	2.7165	2.9135	3.1495	
STROKE	2.4	3	3	3	
DISPLACEMENT CFM	96.67	105.05	120.84	141.21	
OIL GRADE	300	300	300	300	
OIL CHARGE GALS.	1-3/4	1-3/4	1-3/4	1-3/4	
NET WEIGHT	920	940	960	960	
A & B STYLE MOTOR CODES, CHECK NAMEPLATE FOR ELECTRICAL DATA.					
MOTOR CODE	A	B	C	D	E
MOTOR SIZE HP	25	35	40	45	60
208-230 -3- 60	LRA	528	674	741	880
	MAX RLA	112	132	159	172
230 -3- 60	LRA	506	586	644	765
	MAX RLA	97	114	138	172
460 -3- 60	LRA	253	293	306	383
	MAX RLA	48.5	57	69	86
575 -3- 60	LRA	202	234	258	306
	MAX RLA	38.8	45.6	55	68.8

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL		H32SL	H32SM	H62SN	H61SN	H61SP
ORIGINAL MODEL		H103E	H153E	H206E	H256E	
NET OIL PRESSURE		5-20*	5-20*	5-20*	5-20*	5-20*
CYLINDERS		3	3	6	6	6
BORE		2-5/8	2-5/8	2-5/8	2-5/8	2-5/8
STROKE		2-1/4	2-1/4	2-1/4	1-7/8	1-7/8
DISPLACEMENT CFM		37.0	37.0	74.0	61.7	61.7
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		8	8	14	14	14
NET WEIGHT		815	815	1060	1060	1060
RATED TONS	R-12	X	X	X		
	R-500					
	R-22		X		X	X
	R-502					
MOTOR SIZE HP		10	15	20	20	25
ELECTRICAL DATA						
208-230 -3- 60	LRA	150	200	290	290	365
	MAX RLA	31.2	46	67.8	67.8	78.2
	FUSETRON SIZE	60	100	100	100	200
480 -3- 60	LRA	69	101	133	133	167
	MAX RLA	14.3	21.1	31.3	31.3	35.9
	FUSETRON SIZE	30	60	60	60	60
550 -3- 60	LRA	60	88	116	116	146
	MAX RLA	12.5	18.3	27.4	27.4	31.7
	FUSETRON SIZE	30	30	60	60	60

\* 5 - 20 PSI Low Pressure to Bearings. 60 - 90 PSI High Pressure to Capacity Control Valve.

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL		H62SP	H62SQ	H92SP	H92SQ	H92SR
ORIGINAL MODEL		H306E		H309E		
NET OIL PRESSURE		5-20*	5-20*	5-20*	5-20*	5-20*
CYLINDERS		6	6	9	9	9
BORE		2-5/8	2-5/8	2-5/8	2-5/8	2-5/8
STROKE		2-1/4	2-1/4	2-1/4	2-1/4	2-1/4
DISPLACEMENT CFM		74.0	74.0	111.0	111.0	111.0
OIL GRADE		150	150	150	150	150
OIL CHARGE PINTS		14	14	20	20	20
NET WEIGHT		1060	1060	1328	1328	1328
RATED TONS	R-12			X	X	
	R-500					
	R-22	X	X		X	X
	R-502					
MOTOR SIZE HP		25	30	25	35	40
ELECTRICAL DATA						
208-230 -3- 60	LRA	365	460	365	460	580
	MAX RLA	78.2	97.4	78.2	97.4	124.2
	FUSETRON SIZE	200	200	200	200	200
480 -3- 60	LRA	167	211	167	211	266
	MAX RLA	35.9	44.7	35.9	44.7	57
	FUSETRON SIZE	60	100	60	100	100
550 -3- 60	LRA	146	184	146	184	232
	MAX RLA	31.7	38.9	31.7	38.9	49.7
	FUSETRON SIZE	60	60	60	60	100

\* 5 - 20 PSI Low Pressure to Bearings. 60 - 90 PSI High Pressure to Capacity Control Valve.

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL		H92SS				
ORIGINAL MODEL		H459E				
NET OIL PRESSURE		5-20*				
CYLINDERS		9				
BORE		2-5/8				
STROKE		2-1/4				
DISPLACEMENT CFM		111.0				
OIL GRADE		150				
OIL CHARGE PINTS		20				
NET WEIGHT		1328				
RATED TONS	R-12					
	R-500					
	R-22	X				
	R-502					
MOTOR SIZE HP		45				
ELECTRICAL DATA						
208-230	LRA	650				
-3-	MAX RLA	144.2				
60	FUSETRON SIZE	200				
480	LRA	298				
-3-	MAX RLA	66.2				
60	FUSETRON SIZE	100				
550	LRA	260				
-3-	MAX RLA	57.6				
60	FUSETRON SIZE	100				

Oil Analysis

After the system has operated for approximately four to eight hours following a motor failure, pump it down and draw an oil sample. Check the acidity of the oil sample using one of the oil test kits which are commercially available. If the oil test shows an unsatisfactory acid level, change the oil and the cores of the liquid line and suction line filter-driers, restart the system and allow it to operate for an additional eight hours. Repeat this procedure until the oil test is satisfactory. Remove the suction line cores or the entire suction filter assembly and replace with straight pipe.

\* 5 - 20 PSI Low Pressure to Bearings. 60 - 90 PSI High Pressure to Capacity Control Valve.

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL		F32S	F62S	F92S			
ORIGINAL MODEL		OPEN DRIVE					
NET OIL PRESSURE		5-13*	5-13*	5-13*			
CYLINDERS		3	6	9			
BORE		2-5/8	2-5/8	2-5/8			
STROKE		2-1/4	2-1/4	2-1/4			
DISPLACEMENT CFM		37	74	111			
OIL GRADE	YORK C	150	150	150			
OIL CHARGE	PINTS	8	14	20			
NET WEIGHT							
RATED TONS	R-12						
	R-500						
	R-22	Displacement at 1750 RPM. Compressors used from 1150 RPM to 1750 RPM.					
	R-502						
MOTOR SIZE HP							
ELECTRICAL DATA							
200 -3- 60	LRA						
	MAX RLA						
	FUSETRON SIZE						
230 -3- 60	LRA						
	MAX RLA						
	FUSETRON SIZE						
460 -3- 60	LRA						
	MAX RLA						
	FUSETRON SIZE						

\* 5 - 13 PSI Low Pressure to Bearings. 65 - 85 PSI High Pressure to Capacity Control Valve.

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL		SS42	SS62	SS82		
ORIGINAL MODEL						
NET OIL PRESSURE		30-40	30-40	30-40		
CYLINDERS		4	6	8		
BORE		2-5/8	2-5/8	2-5/8		
STROKE		2.4	2.4	2.4		
DISPLACEMENT CFM		52.6	78.9	105.2		
OIL GRADE	YORK D	300	300	300		
OIL CHARGE	PINTS	7	7	7		
NET WEIGHT		520	660	800		
RATED TONS	R-12					
	R-500					
	R-22					
	R-502					
MOTOR SIZE HP		F/20	H/30	K/40		
ELECTRICAL DATA						
200	LRA	330	450	590		
-3-	MAX RLA	70	110	140		
60	FUSETRON SIZE					
230	LRA	330	450	590		
-3-	MAX RLA	70	110	140		
60	FUSETRON SIZE					
460	LRA	170	240	295		
-3-	MAX RLA	35	55	70		
60	FUSETRON SIZE					

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL	RS/RW	44	64	84	124	164
NET OIL PRESSURE		60	60	60	60	60
CYLINDERS		4	6	8	12	16
BORE		3-3/4	3-3/4	3-3/4	3-3/4	3-3/4
STROKE		4-1/2	4-1/2	4-1/2	4-1/2	4-1/2
DISPLACEMENT CFM		134*	201*	268*	402*	536*
OIL GRADE	YORK C	150	150	150	150	150
OIL CHARGE	GALS	4	4	4	10.5	10.5
NET WEIGHT		1795	1980	2200	4120	4630
RATED TONS	R-12					
	R-500	* Displacement @ 1170 RPM.				
	R-22					
	R-502					
MOTOR SIZE HP						
ELECTRICAL DATA						
200	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
230	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
460	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					

Brainerd Compressor Inc.  
sells Calumet Refrigeration  
Oil packaged under the  
Brainerd compressor label.

**PHYSICAL DATA**

**MANUFACTURER YORK**

MODEL	G	43S	63S	83S	123S	163S
MODEL	F	3049	3069	3089	3129	3169
MODEL	Y49	Y49, 3-3/4 X 3				
MODEL	Y53	Y53, 3-3/4 X 3				
NET OIL PRESSURE		35-40	35-40	35-40	35-40	35-40
CYLINDERS		4	6	8	12	16
BORE		3-3/4	3-3/4	3-3/4	3-3/4	3-3/4
STROKE		3	3	3	3	3
DISPLACEMENT CFM		89.6*	134.5*	179.2*	269.0*	358.5*
OIL GRADE		VARIES DEPENDING ON APPLICATION				
OIL CHARGE	GALS.	4	5	5	12	12
NET WEIGHT		1720	1750	1800	3970	4290
MOTOR SIZE	HP					
ELECTRICAL DATA		<div style="border: 1px solid black; padding: 5px;">                     These Compressors are use on R12, R22, R502, &amp; R717 at speeds of 600 to 1800 RPM.                 </div>				
200	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
		* Displacement @ 1170 RPM.				
230	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					
460	LRA					
-3-	MAX RLA					
60	FUSETRON SIZE					