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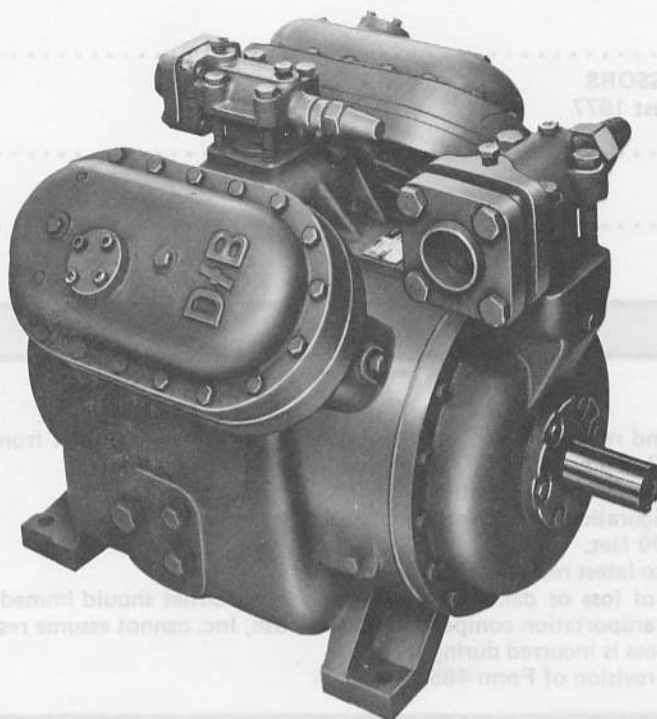
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from the oil pump end.

1. Left hand and right hand
2. When ordering specify
3. Give exact Part Number
4. Specifications and conditions
5. Minimum order is \$50.00 U.S.
6. For terms of sale refer to latest
7. Claims - In the event of loss or
8. For price consult latest revision of Form 4056-2A

COMPRESSOR FEATURES

DIRECT DRIVE

DUNHAM-BUSH

BIG-4 REPLACEMENT PARTS FOR DIRECT DRIVE COMPRESSORS

15 HP THRU 50 HP
FOR 60 Hz AND 50 Hz MODELS

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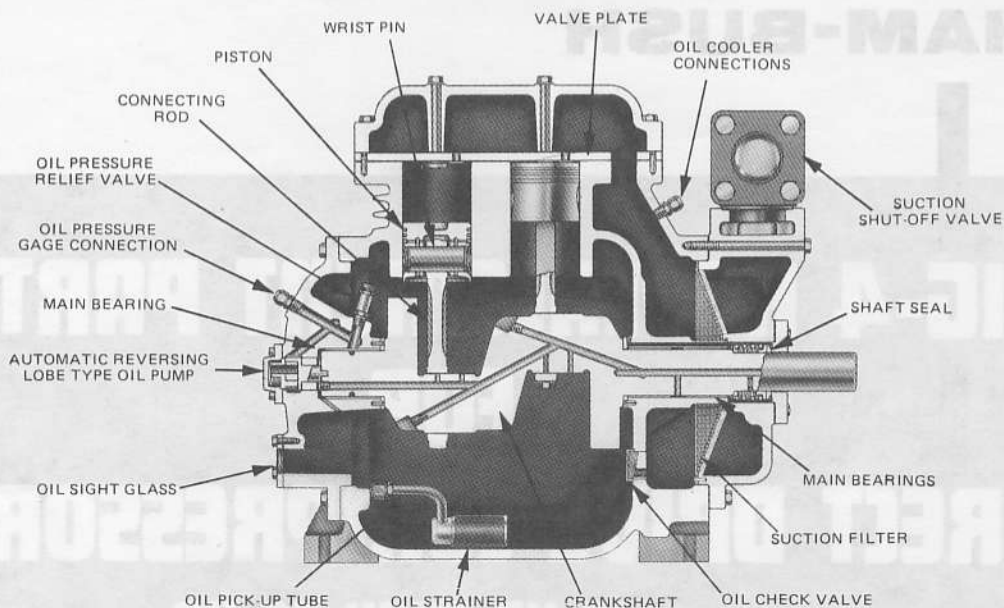
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IMPORTANT

1. Left hand and right hand refers to the side of the compressor when viewing it from the oil pump end.
2. When ordering specify Compressor Model, Serial Number and Type.
3. Give exact Part Number and Part Description.
4. Specifications and configurations are subject to change without notice.
5. Minimum order is \$50.00 Net.
6. For terms of sale refer to latest revision of Form 1278.
7. Claims - In the event of loss or damage in transit, the sales outlet should immediately place a claim against the delivering transportation company. Dunham-Bush, Inc. cannot assume responsibility for such items when damage or loss is incurred during transit.
8. For price consult latest revision of Form 4656.

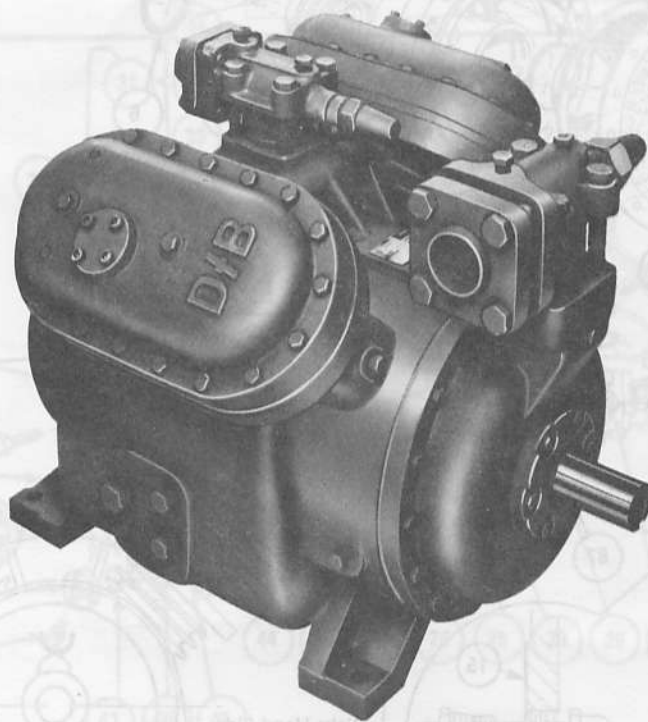
COMPRESSOR FEATURES

DIRECT DRIVE



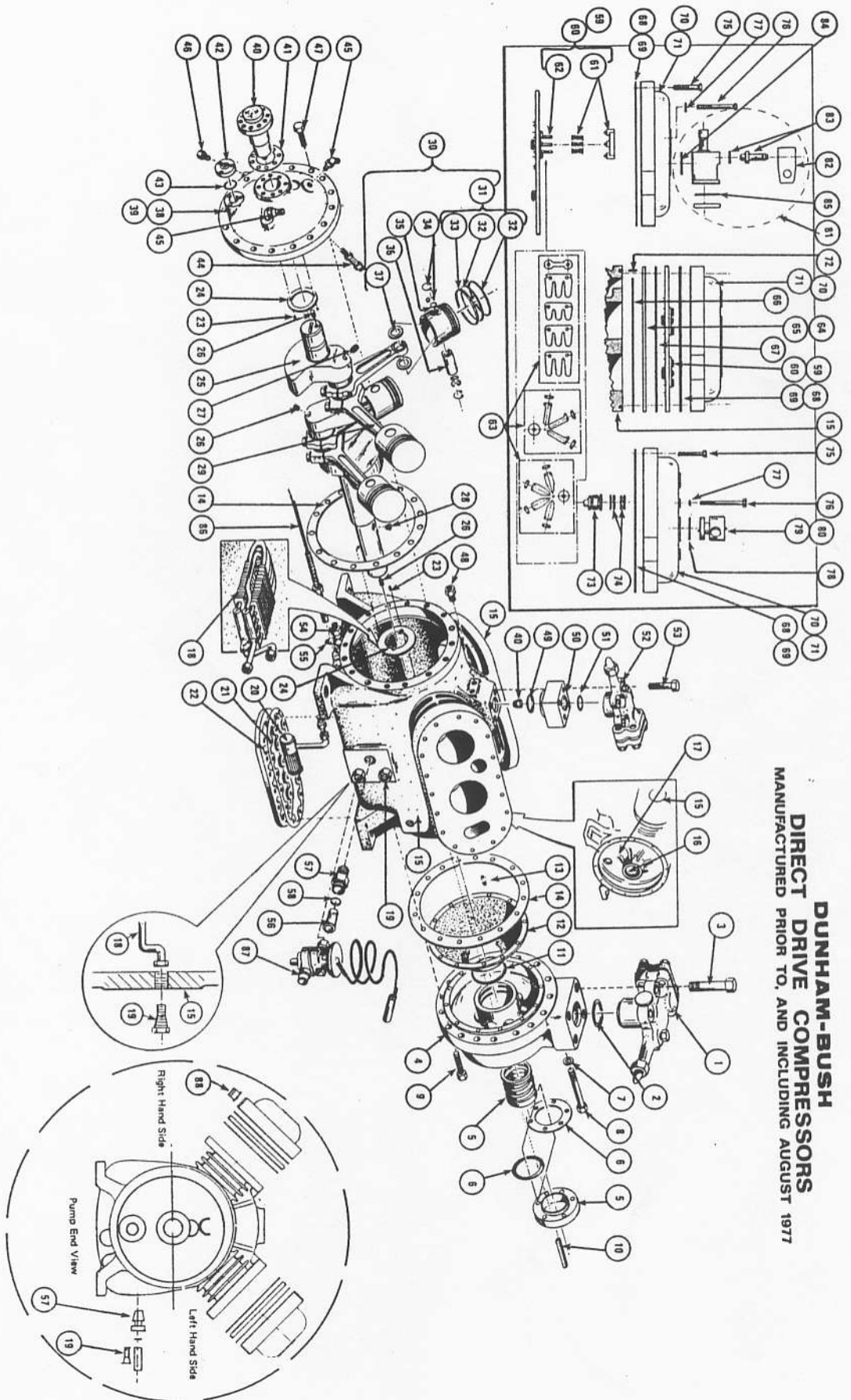
SECTION 1

DIRECT DRIVE COMPRESSORS



**MANUFACTURED PRIOR TO, AND INCLUDING
AUGUST 1977**

DUNHAM-BUSH
DIRECT DRIVE COMPRESSORS
 MANUFACTURED PRIOR TO, AND INCLUDING AUGUST 1977



DIRECT DRIVE COMPRESSOR NOTES

The notes listed below pertain to all models of compressors. To determine which notes are applicable see note column for specific Part Numbers.

Note: Before and after serial numbers listed below do not apply to rebuilt compressors.

1. Before Serial No. 70E00979.
2. After Serial No. 70E00979.
3. Before Serial No. 69L 02615.
4. After Serial No. 69L02615.
5. Before Serial No. 69G01769.
6. After Serial No. 69G01769.
7. After Serial No. 64M07105
8. Before Serial No. 64M07103
9. On compressors with Serial No.'s before 65E20690, Subplates (index No's 64 and 65.) Must be purchased with valve plates.
10. Required on compressors with Serial No's. before 65E20690.
11. After Serial No. 65E20690.
12. Required on compressors with Serial No. before 66C10471.
13. Used on compressors with Serial No. before 64K05770.
14. Before Serial No. 68E00917.
15. After Serial No. 68E00917.
16. On compressors with Serial No. before 68K02571 pistons and rods must be replaced as a set.
17. Used on models with "L" in model number before 68K02571.
18. Not used on model with "L" in model number before 68K02571.
19. Before Serial No. 67H00215.
20. After Serial No. 67H00216.
21. Before Serial No. 70A 00094.
22. After Serial No. 70A00094.
23. Required on models that are gas and oil equalized or oil equalized.
24. Used on compressors with Serial No's. before 69D00835.
25. Two required on compressors with serial No's. after 69D00835.
26. Two required on compressors after 69D00835 and three before 69D00835.
27. Four required on compressors after 69D00835 and six before 69D00835.
28. Six required on compressors after 69D00835 and nine before 69D00835.
29. To be used to convert unloading cylinders to non-unloading before 69G01769.
30. To be used to convert non-unloading and external un-loading models to internal unloaders.
31. To be used to equalize direct drive compressors when parallel.
32. Specify control voltage when ordering.
33. Crankcase bores may be standard or oversize. Check bore size before ordering parts. Standard bore has suffix "T1". To order .005 oversize add suffix "T2" to part number; for .010 oversize add "T3" to part number; for .020 oversize add "T4" to part number.
34. For gaskets and kits refer to Section 4 pages 35 thru 40.
35. Crankcase bearings must be pressed in and line bored in a machine shop. (Ref. DB Service Bulletin SR116)
36. Valve plate assemblies are supplied with head and valve plate gaskets.
37. Not available as a separate item.
38. Oil pump assembly is supplied with gaskets. Tuthill manufactured pumps are also supplied with bushings.
39. VAL358 is no longer available. Order repair kit KIT339.
40. To replace GKT327 order Alco KS30026. To replace GKT328 order KIT339.
41. Specify control voltage when ordering. "T1 = 115V, "T2" = 230V.
42. For valve plate identification refer to Section 3 pages 29 thru 34.

DIRECT DRIVE COMPRESSOR MODELS 105, 155, 205 AND 255

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
1	Suction Service Valve	VAL53	1	1	1	1	1	1	1	1	
2	Suction Service Valve Gasket	GKT60	1	1	1	1	1	1	1	1	34
3	Cap Screw 5/8 - 11 x 4-1/4"	016P37	4	4	4	4	4	4	4	4	
4	Seal Housing	HSG31	1	1	1	1	1	1	1	1	
5	Shaft Seal Assembly	KIT344	1	1	1	1	1	1	1	1	34
6	Seal Gasket	GKT32	1	1	1	1	1	1	1	1	34
7	Bolt Sealing Washer	GKT342	1	1	1	1	1	1	1	1	34
8	Cap Screw 3/8 - 16 x 5"	012P43	1	1	1	1	1	1	1	1	
9	Cap Screw 3/8 - 16 x 1-1/2"	012P15	15	15	15	15	15	15	15	15	
10	Crankshaft Key	066P29	1	1	1	1	1	1	1	1	
11	O-Ring	0458P37	1	1	1	1	1	1	1	1	1,34
		RNG220			1	1	1	1	1		2,34
12	Suction Filter	FLR28	1	1	1	1	1	1	1	1	
13	Self Tapping Screw	SCR69	12	12	12	12	12	12	12	12	
14	Housing Gasket	GKT121	2	2	2	2	2	2	2	2	34
15	Crankcase w/Bearings	CCS63A	1	1	1	1	1	1	1	1	37
16	Crankcase Main Bearing	BRG54	2	2	2	2	2	2	2	2	35
17	Foam Control Valve	VAL496	1	1	1	1	1	1	1	1	
18	Oil Cooler	CDS291A		1		1		1	1	1	
19	Oil Cooler Connector	CON36		1		1		1	1	1	
20	Oil Strainer	SRA32	1	1	1	1	1	1	1	1	
21	Bottom Cover Gasket	GKT53	1	1	1		1		1		13,34
22	Bottom Cover	COV9	1	1	1		1		1		13
23	Thrust Washer Roll Pin	PIN82T1	4	4	4	4	4	4	4	4	
24	Thrust Washer	WAS36	2	2	2	2	2	2	2	2	
25	Crankshaft	CKS29	1	1	1	1	1	1	1	1	
26	Pipe Plug	055P70	3	3	3	3	3	3	3	3	
27	Magnetic Pipe Plug	PLU5	1	1	1	1	1	1	1	1	
28	Orifice Plug	PLU22	1	1	1	1	1	1	1	1	19
		PLU23			1	1	1	1	1	1	20
29	Connecting Rod	ROD72	4	4	4	4	4	4	4	4	
30	Piston Assembly w/Rings	PST58AT1	3	3	3	3	3	3	3	3	16,33
		PST63AT1	1	1	1	1	1	1	1	1	33
31	Piston Ring Set	SET53T1	4	4	4	4	4	4	4	4	33
32	Compression Ring	RNG72T1	7	7	7	7	7	7	7	7	33
33	Oil Scraper Ring	RNG73T1	4	4	4	4	4	4	4	4	33
34	Piston Pin Retaining Ring	0580P21	8		8	8	8	8	8	8	18
	Piston Pin Retaining Ring	0580P23		8		8		8	8	8	17
	Piston Pin Retainer	RTR22		8		8		8	8	8	17
35	Retaining Disc	DIS14		8		8		8	8	8	17
36	Piston w/Pin	PST58T1	3	3	3	3	3	3	3	3	16,33
		PST63T1	1	1	1	1	1	1	1	1	33
37	Wavy Washer	WAS34	8		8	8	8	8	8	8	17
		WAS35		8		8		8	8	8	17
38	Pump Housing w/Bearing	HSG32B	1	1	1	1	1	1	1	1	
39	Pump Housing Bearing	BRG53	1	1	1	1	1	1	1	1	
40	Oil Pump	PMP85A	1	1	1	1	1	1	1	1	38
41	Oil Pump Gasket	GKT113	1	1	1	1	1	1	1	1	38,34
42	Oil Sight Glass	GLS3	1	1	1	1	1	1	1	1	
43	O-Ring	0458P29	1	1	1	1	1	1	1	1	34
44	Oil Relief Valve	VAL258	1	1	1	1	1	1	1	1	
45	Elbow	072P02	2	2	2	2	2	2	2	2	
46	Plug	055P62	1	1	1	1	1	1	1	1	
47	Cap Screw 3/8 - 16 x 1-1/2"	012P15	16	16	16	16	16	16	16	16	
48	Discharge Pressure Relief Valve	0609P75	1	1	1	1	1	1	1	1	21
		VAL71			1	1	1	1	1		22
49	Discharge Valve Gasket	GKT62	1	1	1	1	1	1	1	1	34
50	Discharge Valve Adapter	ADP43	1	1	1	1	1	1	1	1	
51	Valve Gasket	GKT340	1	1	1	1	1	1	1	1	34
52	Discharge Service Valve	VAL83	1	1	1	1	1	1	1	1	
53	Cap Screw 1/2 - 13 x 3-1/2"	014P31			4	4	4	4	4	4	22
	Cap Screw 1/2 - 13 x 1-3/4"	014P17	2	2	2	2	2	2	2	2	21
54	Oil Drain Valve	100P135	1	1	1	1	1	1	1	1	
55	Oil Drain Valve Adapter	0694P00	1	1	1	1	1	1	1	1	

DIRECT DRIVE COMPRESSOR MODELS 105, 155, 205 AND 255

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
56	Oil Equalization Tube	TUB2433	1	1	1	1	1	1	1	1	23
57	Equalization Valve Adapter	ADP77	1	1	1	1	1	1	1	1	
58	Adapter Gasket	GKT309	1	1	1	1	1	1	1	1	34
59	Valve Plate Assy- RH	PLT301A	1				1	1			9,36,41
		PLT302A		1					1		9,36,41
		PLT508A			1	1					42
		PLT586A								1	9,36,42
60	Valve Plate Assy - LH	PLT304A					1	1			9,36,42
		PLT305A							1	1	9,36,42
		PLT312A	1								9,36,42
		PLT313A		1							9,36,42
		PLT509A				1	1				42
61	Unloader Closure Plate & Springs	KIT370			2	2				2	
62	Unloader Bolt	BLT60			6	6				6	5,37
	Unloader Pin (.010 O.S.)	PIN84			6	6					6
63	Valve Replacement Kit	KIT346	3		3	3	3	3			7
		KIT260		3					3	3	7
		KIT259	3	3	3	3	3	3	3	3	8
64	Spacer Plate - RH	PLT267	1	1	1	1	1	1	1		10
65	Spacer Plate - LH	PLT267			1	1	1	1	1		10
		PLT309	1	1							10
66	Spacer Plate Gasket	GKT127	2	2	2	2	2	2	2		10,34
67	Valve Plate Gasket	GKT124	2	2	2	2	2	2	2		34
		GKT301	2	2	2	2	2	2	2	2	7,34
68	Head Gasket - RH	GKT123	1	1	1	1	1	1	1	1	34
69	Head Gasket - LH	GKT125	1	1	1	1	1	1	1	1	34
70	Cylinder Head - RH	HD35	1	1							
		HD37					1	1	1		
		HD204									1
		HD206			1	1					
71	Cylinder Head - LH	HD36	1	1							
		HD39					1	1	1	1	
		HD205			1	1					
72	Valve Plate Pin	PIN37	4	4	4	4	4	4	4	4	10
		PIN83T5	4	4	4	4	4	4	4	4	11
73	Unloader Piston Assy	PST100A			2	2				2	
74	Unloader Piston Ring Assy.	RNG195A			4	4				4	3
		RNG201A			4	4					4
75	Cap Screw 3/8 - 16 x 2-1/2"	SCR179	36	36	36	36	36	36	36	36	
76	Bolt 3/8 - 16 x 3-3/4"	012P33	4	4			4	4	4	2	
	Bolt 3/8 - 16 x 4-1/4"	012P37			4	4				2	
77	Bolt Sealing Washer	GKT342	4	4	4	4	4	4	4	4	
78	Unloader Valve Gasket	GKT215			2	2				1	34
79	Unloader Solenoid Valve	VAL438			2	2				1	
80	Unloader Valve Coil	COL141			2	2				1	41
81	Unloader Shuttle Valve	VAL357	1	1							
82	Shuttle Valve Coil	COL117	1	1							32
83	Enclosing Tube Assy	KIT339	1	1							
84	Valve Gasket	GKT340	1	1							34
85	Unloader Valve Gasket	GKT327	1	1							40,34
86	Crankcase Heater 115V	HTR59T2	1	1	1	1	1	1	1	1	32
	Crankcase Heater 230V	HTR59T1	1	1	1	1	1	1	1	1	32
87	Desuperheating Valve										
	All Refrigerants	VAL381		1		1		1	1	1	14
	Refrigerant R-12	VAL557				1		1	1		15
	Refrigerant R-22/502	VAL559				1		1	1		15
88	Discharge Temp. Thermostat	THT3	1	1		2		2	2	2	
89	Internal Unloading Conversion Kit	ASY933	1				1	1			30
90	Unloader Control Kit	KIT190			1	1					
91	Unloader Pressure Switch	CNT104			2	2					
92	Oil Equalization Kit	KIT309	1	1	1	1	1	1	1	1	31
93	Gasket Set	KIT180	1	1	1	1	1	1	1	1	10,34
		KIT342	1	1	1	1	1	1	1	1	11,34

DIRECT DRIVE COMPRESSOR MODELS 156, 206, 256 AND 306

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
1	Suction Service Valve	VAL53	1	1	1	1	1	1	1	1	
2	Suction Service Valve Gasket	GKT60	1	1	1	1	1	1	1	1	34
3	Cap Screw 5/8 - 11 x 4-1/4"	016P37	4	4	4	4	4	4	4	4	
4	Seal Housing	HSG31	1	1	1	1	1	1	1	1	
5	Shaft Seal Assembly	KIT344	1	1	1	1	1	1	1	1	
6	Seal Gasket	GKT32	1	1	1	1	1	1	1	1	34
7	Bolt Sealing Washer	GKT342	1	1	1	1	1	1	1	1	
8	Cap Screw 3/8 - 16 x 5"	012P43	1	1	1	1	1	1	1	1	
9	Cap Screw 3/8 - 16 x 1-1/2"	012P15	15	15	15	15	15	15	15	15	
10	Crankshaft Key	066P29	1	1	1	1	1	1	1	1	
11	O-Ring	0458P37	1	1	1	1	1	1	1	1	1,34
		RNG220			1	1	1	1	1	1	2,34
12	Suction Filter	FLR28	1	1	1	1	1	1	1	1	
13	Self Tapping Screw	SCR69	12	12	12	12	12	12	12	12	
14	Housing Gasket	GKT121	2	2	2	2	2	2	2	2	34
15	Crankcase w/Bearings	CCS63A	1	1	1	1	1	1	1	1	37
16	Crankcase Main Bearing	BRG54	2	2	2	2	2	2	2	2	35
17	Foam Control Valve	VAL496	1	1	1	1	1	1	1	1	
18	Oil Cooler	CDS291A		1		1		1	1	1	
19	Oil Cooler Connector	CON36		1		1		1	1	1	
20	Oil Strainer	SRA32	1	1	1	1	1	1	1	1	
21	Bottom Cover Gasket	GKT53	1	1	1		1		1		13
22	Bottom Cover	COV9	1	1	1		1		1		13
23	Thrust Washer Roll Pin	PIN82T1	4	4	4	4	4	4	4	4	
24	Thrust Washer	WAS36	2	2	2	2	2	2	2	2	
25	Crankshaft	CKS30	1	1	1	1	1	1	1	1	
26	Pipe Plug	055P70	3	3	3	3	3	3	3	3	
27	Magnetic Pipe Plug	PLU5	1	1	1	1	1	1	1	1	
28	Orifice Plug	PLU22	1	1	1	1	1	1	1	1	19
		PLU23			1	1	1	1	1	1	20
29	Connecting Rod	ROD73	4	4	4	4	4	4	4	4	
30	Piston Assembly w/Rings	PST58AT1	3	3	3	3	3	3	3	3	16,33
		PST63AT1	1	1	1	1	1	1	1	1	33
31	Piston Ring Set	SET53T1	4	4	4	4	4	4	4	4	33
32	Compression Ring	RNG72T1	7	7	7	7	7	7	7	7	33
33	Oil Scraper Ring	RNG73T1	4	4	4	4	4	4	4	4	33,3
34	Piston Pin Retaining Ring	0580P21	8		8	8	8	8	8	8	18
	Piston Pin Retaining Ring	0580P23		8		8		8	8	8	17
	Piston Pin Retainer	RTR22		8		8		8	8	8	17
35	Retaining Disc	DIS14		8		8		8	8	8	17
36	Piston w/Pin	PST58T1	3	3	3	3	3	3	3	3	16,33
		PST63T1	1	1	1	1	1	1	1	1	37
37	Wavy Washer	WAS34	8		8	8	8	8	8	8	
		WAS35		8		8		8	8	8	20
38	Pump Housing w/Bearing	HSG32B	1	1	1	1	1	1	1	1	
39	Pump Housing Bearing	BRG53	1	1	1	1	1	1	1	1	
40	Oil Pump Assembly	PMP85A	1	1	1	1	1	1	1	1	38
41	Oil Pump Gasket	GKT113	1	1	1	1	1	1	1	1	38,34
42	Oil Sight Glass	GLS3	1	1	1	1	1	1	1	1	
43	O-Ring	0458P29	1	1	1	1	1	1	1	1	34
44	Oil Relief Valve	VAL258	1	1	1	1	1	1	1	1	
45	Elbow	072P02	2	2	2	2	2	2	2	2	
46	Plug	055P62	1	1	1	1	1	1	1	1	
47	Cap Screw 3/8 - 16 x 1-1/2"	012P15	16	16	16	16	16	16	16	16	
48	Discharge Pressure Relief Valve	0609P75	1	1	1	1	1	1	1	1	21
		VAL71			1	1	1	1	1	1	22
49	Discharge Valve Gasket	GKT62	1	1	1	1	1	1	1	1	
50	Discharge Valve Adapter	ADP43	1	1	1	1	1	1	1	1	
51	Valve Gasket	GKT340	1	1	1	1	1	1	1	1	34
52	Discharge Service Valve	VAL83	1	1	1	1	1	1	1	1	
53	Cap Screw 1/2 - 13 x 3-1/2"	014P31			4	4	4	4	4	4	22
	Cap Screw 1/2 - 13 x 1-3/4"	014P17	2	2	2	2	2	2	2	2	21
54	Oil Drain Valve	100P135	1	1	1	1	1	1	1	1	
55	Oil Drain Valve Adapter	0694P00	1	1	1	1	1	1	1	1	

DIRECT DRIVE COMPRESSOR MODELS 156, 206, 256 AND 306

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
56	Oil Equalization Tube	TUB2433	1	1	1	1	1	1	1	1	23
57	Equalization Valve Adapter	ADP77	1	1	1	1	1	1	1	1	
58	Adapter Gasket	GKT309	1	1	1	1	1	1	1	1	34
59	Valve Plate Assy- RH	PLT301A	1				1	1			9,36,42
		PLT302A		1					1		9,36,42
		PLT508A			1	1					9,36,42
		PLT586A								1	9,36,42
60	Valve Plate Assy - LH	PLT304A					1	1			9,36,42
		PLT305A							1	1	9,36,42
		PLT312A	1								9,36,42
		PLT313A		1							9,36,42
61	Unloader Closure Plate & Springs	KIT370			2	2				2	
	Unloader Bolt	BLT60			6	6				6	5,37
62	Unloader Pin (.010 O.S.)	PIN84			6	6					6
		KIT346	3		3	3	3	3			7
63	Valve Replacement Kit	KIT260		3					3	3	7
		KIT259	3	3	3	3	3	3	3	3	8
		KIT301	2	2	2	2	2	2	2	2	7
64	Spacer Plate - RH	PLT267	1	1	1	1	1	1	1		10
65	Spacer Plate - LH	PLT267			1	1	1	1	1		10
		PLT309	1	1							10
66	Spacer Plate Gasket	GKT127	2	2	2	2	2	2	2		10,8
67	Valve Plate Gasket	GKT124	2	2	2	2	2	2	2		8
		GKT301	2	2	2	2	2	2	2	2	7
68	Head Gasket - RH	GKT123	1	1	1	1	1	1	1	1	34
69	Head Gasket - LH	GKT125	1	1	1	1	1	1	1	1	34
70	Cylinder Head - RH	HD35	1	1							
		HD37					1	1	1		
		HD204									1
		HD206			1	1					
71	Cylinder Head - LH	HD36	1	1							
		HD39					1	1	1	1	
72	Valve Plate Pin	HD205			1	1					
		PIN37	4	4	4	4	4	4	4	4	10
73	Unloader Piston Assy	PIN83T5	4	4	4	4	4	4	4	4	11
		PST100A			2	2					3
74	Unloader Piston Ring Assy.	RNG195A			4	4					4
		RNG201A			4						
75	Cap Screw 3/8 - 16 x 2-1/2"	SCR179	36	36	36	36	36	36	36	36	
76	Bolt 3/8 - 16 x 3-3/4"	012P33	4	4			4	4	4	2	
	Bolt 3/8 - 16 x 4-1/4"	012P37			4	4				2	
77	Bolt Sealing Washer	GKT342	4	4	4	4	4	4	4	4	
78	Unloader Valve Gasket	GKT215			2	2				1	
79	Unloader Solenoid Valve	VAL438			2	2				1	
80	Unloader Valve Coil	COL141			2	2				1	41
81	Unloader Shuttle Valve	VAL357	1	1							
82	Shuttle Valve Coil	COL117	1	1							32
83	Enclosing Tube Assy	KIT339	1	1							
84	Valve Gasket	GKT340	1	1							40
85	Unloader Valve Gasket	GKT327	1	1							34
86	Crankcase Heater 115V	HTR59T2	1	1	1	1	1	1	1	1	32
	Crankcase Heater 230V	HTR59T1	1	1	1	1	1	1	1	1	32
87	Desuperheating Valve										
	All Refrigerants	VAL381		1		1		1	1	1	14
	Refrigerant R-12	VAL557				1		1	1		15
	Refrigerant R-22/502	VAL559				1		1	1		15
88	Discharge Temp. Thermostat	THT3	1	1		2		2	2	2	
89	Internal Unloading Conversion Kit	ASY933	1				1	1			30
90	Unloader Control Kit	KIT190			1	1					
91	Unloader Pressure Switch	CNT104			2	2					
92	Oil Equalization Kit	KIT309	1	1	1	1	1	1	1	1	31
93	Gasket Set	KIT180	1	1	1	1	1	1	1	1	10,34
		KIT342	1	1	1	1	1	1	1	1	11,34

DIRECT DRIVE COMPRESSOR MODELS 157, 207, 257, 307 AND 357

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
1	Suction Service Valve	VAL53		1					1	1	
		VAL54	1		1	1	1	1			
2	Suction Service Valve Gasket	GKT60	1	1	1	1	1	1	1	1	34
3	Cap Screw 5/8 - 11 x 4-1/4"	016P37	4	4	4	4	4	4	4	4	
4	Seal Housing	HSG31	1	1	1	1	1	1	1	1	
5	Shaft Seal Assembly	KIT344	1	1	1	1	1	1	1	1	
6	Seal Gasket	GKT32	1	1	1	1	1	1	1	1	34
7	Bolt Sealing Washer	GKT342	1	1	1	1	1	1	1	1	
8	Cap Screw 3/8 - 16 x 5"	012P43	1	1	1	1	1	1	1	1	
9	Cap Screw 3/8 - 16 x 1-1/2"	012P15	15	15	15	15	15	15	15	15	
10	Crankshaft Key	066P29	1	1	1	1	1	1	1	1	
11	O-Ring	0458P37	1	1	1	1	1	1	1	1	1,34
		RNG220			1	1	1	1	1	1	2,34
12	Suction Filter	FLR28	1	1	1	1	1	1	1	1	
13	Self Tapping Screw	SCR69	12	12	12	12	12	12	12	12	
14	Housing Gasket	GKT121	2	2	2	2	2	2	2	2	
15	Crankcase w/Bearings	CCS63A	1	1	1	1	1	1	1	1	37
16	Crankcase Main Bearing	BRG54	2	2	2	2	2	2	2	2	35
17	Foam Control Valve	VAL496	1	1	1	1	1	1	1	1	
18	Oil Cooler	CDS291A		1		1		1	1	1	
19	Oil Cooler Connector	CON36		1		1		1	1	1	
20	Oil Strainer	SRA32	1	1	1	1	1	1	1	1	
21	Bottom Cover Gasket	GKT53	1	1	1		1		1		13,34
22	Bottom Cover	COV9	1	1	1		1		1		13
23	Thrust Washer Roll Pin	PIN82T1	4	4	4	4	4	4	4	4	
24	Thrust Washer	WAS36	2	2	2	2	2	2	2	2	
25	Crankshaft	CKS29	1	1	1	1	1	1	1	1	
26	Pipe Plug	055P70	3	3	3	3	3	3	3	3	
27	Magnetic Pipe Plug	PLU5	1	1	1	1	1	1	1	1	
28	Orifice Plug	PLU22	1	1	1	1	1	1	1	1	19
		PLU23			1	1	1	1	1	1	20
29	Connecting Rod	ROD72	4	4	4	4	4	4	4	4	
30	Piston Assembly w/Rings	PST58AT1	4	4	4	4	4	4	4	4	16,33
31	Piston Ring Set	SET53T1	4	4	4	4	4	4	4	4	33
32	Compression Ring	RNG72T1	8	8	8	8	8	8	8	8	33
33	Oil Scraper Ring	RNG73T1	4	4	4	4	4	4	4	4	33
34	Piston Pin Retaining Ring	0580P21	8		8	8	8	8	8	8	18
		0580P23		8		8		8	8	8	17
		RTR22		8		8		8	8	8	17
35	Retaining Disc	DIS14		8		8		8	8	8	17
36	Piston w/Pin	PST58T1	4	4	4	4	4	4	4	4	16,33
37	Wavy Washer	WAS34	8		8	8	8	8	8	8	17
		WAS35		8		8		8	8	8	17
38	Pump Housing w/Bearing	HSG32B	1	1	1	1	1	1	1	1	
39	Pump Housing Bearing	BRG53	1	1	1	1	1	1	1	1	
40	Oil Pump Assy.	PMP85A	1	1	1	1	1	1	1	1	38
41	Oil Pump Gasket	GKT113	1	1	1	1	1	1	1	1	38,34
42	Oil Sight Glass	GLS3	1	1	1	1	1	1	1	1	
43	O-Ring	0458P29	1	1	1	1	1	1	1	1	34
44	Oil Relief Valve	VAL258	1	1	1	1	1	1	1	1	
45	Elbow	072P02	2	2	2	2	2	2	2	2	
46	Plug	055P62	1	1	1	1	1	1	1	1	
47	Cap Screw 3/8 - 16 x 1-1/2"	012P15	16	16	16	16	16	16	16	16	
48	Discharge Pressure Relief Valve	0609P75	1	1	1	1	1	1	1	1	21
		VAL71			1	1	1	1	1	1	22
49	Discharge Valve Gasket	GKT62	1	1	1	1	1	1	1	1	34
50	Discharge Valve Adapter	ADP43	1	1	1	1	1	1	1	1	
51	Valve Gasket	GKT340	1	1	1	1	1	1	1	1	34
52	Discharge Service Valve	VAL83	1	1	1	1	1	1	1	1	
53	Cap Screw 1/2 - 13 x 3-1/2"	014P31			4	4	4	4	4	4	22
		014P17	2	2	2	2	2	2	2	2	21
54	Oil Drain Valve	100P135	1	1	1	1	1	1	1	1	
55	Oil Drain Valve Adapter	0694P00	1	1	1	1	1	1	1	1	

DIRECT DRIVE COMPRESSOR MODELS 157, 207, 307 AND 357

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes	
56	Oil Equalization Tube	TUB2433	1	1	1	1	1	1	1	1	23	
57	Equalization Valve Adapter	ADP77	1	1	1	1	1	1	1	1		
58	Adapter Gasket	GKT309	1	1	1	1	1	1	1	1	34	
59	Valve Plate Assy- RH	PLT301A	1				1	1			9,36,42	
		PLT302A		1					1		9,36,42	
		PLT508A			1	1					36,25,42	
		PLT586A								1	9,36,42	
60	Valve Plate Assy - LH	PLT507A			1	1					24,42	
		PLT301A					1	1			9,36,42	
		PLT302A							1		9,36,42	
		PLT310A	1								9,36,42	
		PLT311A		1							9,36,42	
		PLT508A		1	1	1					36,42	
61	Unloader Closure Plate & Springs	KIT370			3/2	3/2				3	26	
62	Unloader Bolt	BLT60			9/6	9/6				9	5,28	
	Unloader Pin (.010 O.S.)	PIN84			6	6					6	
63	Valve Replacement Kit	KIT346	4		4	4	4	4			7	
		KIT260		4					4	4	7	
		KIT259	4	4	4	4	4	4	4	4	8	
64	Spacer Plate - RH	PLT267	1	1	1	1	1	1	1		10	
65	Spacer Plate - LH	PLT267			1	1	1	1	1		10	
		PLT309	1	1								
66	Spacer Plate Gasket	GKT127	2	2	2	2	2	2	2		10,34	
67	Valve Plate Gasket	GKT124	2	2	2	2	2	2	2		8,34	
		GKT301	2	2	2	2	2	2	2	2	34	
68	Head Gasket - RH	GKT123	1	1	1	1	1	1	1	1	34	
69	Head Gasket - LH	GKT123	1	1	1	1	1	1	1	1		
70	Cylinder Head - RH	HD35	1	1								
		HD37					1	1	1			
		HD204			1	1					1	24
		HD206			1	1					1	25
71	Cylinder Head - LH	HD37					1	1	1			
		HD206			1	1				1	25	
72	Valve Plate Pin	HD40	1	1								
		PIN37	4	4	4	4	4	4	4	4	10	
73	Unloader Piston Assy	PIN83T5	4	4	4	4	4	4	4	4	11	
		PST100A			3/2	3/2					3	26
74	Unloader Piston Ring	RNG195A			6/4	6/4					6	12,33
		RNG201A			4	4						4
75	Cap Screw 3/8 - 16 x 2-1/2"	SCR179	36	36	36	36	36	36	36	36		
76	Bolt 3/8 - 16 x 3-3/4"	012P33	4	4			4	4	4			
	Bolt 3/8 - 16 x 4-1/4"	012P37			4	4				4		
77	Bolt Sealing Washer	GKT342	4	4	4	4	4	4	4	4		
78	Unloader Valve Gasket	GKT215			2	2				2	34	
79	Unloader Solenoid Valve	VAL438			2	2				2		
80	Unloader Valve Coil	COL141			2	2				2	41	
81	Unloader Shuttle Valve	VAL358	1	1								
82	Shuttle Valve Coil	COL117	1	1							32	
83	Enclosing Tube Assy	KIT339	1	1								
84	Valve Gasket	GKT340	1	1							34	
85	Unloader Valve Gasket	GKT328	1	1								
86	Crankcase Heater 115V	HTR59T1	1	1	1	1	1	1	1	1	32	
	Crankcase Heater 230V	HTR59T2	1	1	1	1	1	1	1	1	32	
87	Desuperheating Valve											
	All Refrigerants	VAL381		1		1		1	1	1	14	
	Refrigerant R-12	VAL557				1		1	1		15	
	Refrigerant R-22/502	VAL559				1		1	1		15	
88	Discharge Temp. Thermostat	THT3	1	1		2		2	2	2		
89	Internal Unloading Conversion Kit	KIT337	1				1	1				
90	Unloader Control Kit	KIT190			1	1						
91	Unloader Pressure Switch	CNT104			3/2	3/2					26	
92	Oil Equalization Kit	KIT309	1	1	1	1	1	1	1	1	31	
93	Gasket Set	KIT180	1	1	1	1	1	1	1	1	10,34	
		KIT342	1	1	1	1	1	1	1	1	11,34	

DIRECT DRIVE COMPRESSOR MODELS 208, 258, 308, 358 AND 408

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
1	Suction Service Valve	VAL54	1	1	1	1	1	1	1	1	
2	Suction Service Valve Gasket	GKT60	1	1	1	1	1	1	1	1	34
3	Cap Screw 5/8 - 11 x 4-1/4"	016P37	4	4	4	4	4	4	4	4	
4	Seal Housing	HSG31	1	1	1	1	1	1	1	1	
5	Shaft Seal Assembly	KIT344	1	1	1	1	1	1	1	1	
6	Seal Gasket	GKT32	1	1	1	1	1	1	1	1	34
7	Bolt Sealing Washer	GKT342	1	1	1	1	1	1	1	1	
8	Cap Screw 3/8 - 16 x 5"	012P43	1	1	1	1	1	1	1	1	
9	Cap Screw 3/8 - 16 x 1-1/2"	012P15	15	15	15	15	15	15	15	15	
10	Crankshaft Key	066P29	1	1	1	1	1	1	1	1	
11	O-Ring	0458P37	1	1	1	1	1	1	1	1	1,34
		RNG220			1	1	1	1	1	1	2,34
12	Suction Filter	FLR28	1	1	1	1	1	1	1	1	
13	Self Tapping Screw	SCR69	12	12	12	12	12	12	12	12	
14	Housing Gasket	GKT121	2	2	2	2	2	2	2	2	
15	Crankcase w/Bearings	CCS63A	1	1	1	1	1	1	1	1	
16	Crankcase Main Bearing	BRG54	2	2	2	2	2	2	2	2	
17	Foam Control Valve	VAL496	1	1	1	1	1	1	1	1	
18	Oil Cooler	CDS291A		1		1		1	1	1	
19	Oil Cooler Connector	CON36		1		1		1	1	1	
20	Oil Strainer	SRA32	1	1	1	1	1	1	1	1	
21	Bottom Cover Gasket	GKT53	1	1	1		1		1		13,34
22	Bottom Cover	COV9	1	1	1		1		1		13
23	Thrust Washer Roll Pin	PIN82T1	4	4	4	4	4	4	4	4	
24	Thrust Washer	WAS36	2	2	2	2	2	2	2	2	
25	Crankshaft	CKS30	1	1	1	1	1	1	1	1	
26	Pipe Plug	055P70	3	3	3	3	3	3	3	3	
27	Magnetic Pipe Plug	PLU5	1	1	1	1	1	1	1	1	
28	Orifice Plug	PLU22	1	1	1	1	1	1	1	1	19
		PLU23			1	1	1	1	1	1	20
29	Connecting Rod	ROD73	4	4	4	4	4	4	4	4	16
30	Piston Assembly w/Rings	PST58AT1	4	4	4	4	4	4	4	4	16,33
31	Piston Ring Set	SET53T1	4	4	4	4	4	4	4	4	33
32	Compression Ring	RNG72T1	8	8	8	8	8	8	8	8	33
33	Oil Scraper Ring	RNG73T1	4	4	4	4	4	4	4	4	33
34	Piston Pin Retaining Ring	0580P21	8		8	8	8	8	8	8	18
	Piston Pin Retaining Ring	0580P23		8		8		8	8	8	17
	Piston Pin Retainer	RTR22		8		8		8	8	8	17
35	Retaining Disc	DIS14		8		8		8	8	8	17
36	Piston w/Pin	PST58T1	4	4	4	4	4	4	4	4	16,33
		WAS34	8		8	8	8	8	8	8	17
37	Wavy Washer	WAS35		8		8		8	8	8	17
38	Pump Housing w/Bearing	HSG32B	1	1	1	1	1	1	1	1	
39	Pump Housing Bearing	BRG53	1	1	1	1	1	1	1	1	
40	Oil Pump Assembly	PMP85A	1	1	1	1	1	1	1	1	38,34
41	Oil Pump Gasket	GKT113	1	1	1	1	1	1	1	1	38
42	Oil Sight Glass	GLS3	1	1	1	1	1	1	1	1	
43	O-Ring	0458P29	1	1	1	1	1	1	1	1	34
44	Oil Relief Valve	VAL258	1	1	1	1	1	1	1	1	
45	Elbow	072P02	2	2	2	2	2	2	2	2	
46	Plug	055P62	1	1	1	1	1	1	1	1	
47	Cap Screw 3/8 - 16 x 1-1/2"	012P15	16	16	16	16	16	16	16	16	
48	Discharge Pressure Relief Valve	0609P75	1	1	1	1	1	1	1	1	21
		VAL71			1	1	1	1	1		22
49	Discharge Valve Gasket	GKT62	1	1	1	1	1	1	1	1	34
50	Discharge Valve Adapter	ADP43		1					1	1	
51	Valve Gasket	GKT340	1	1					1	1	
52	Discharge Service Valve	VAL83		1					1	1	
		VAL59	1		1	1	1	1			
53	Cap Screw 1/2 - 13 x 3-1/2"	014P31	4		4	4	4	4	4		21
	Cap Screw 1/2 - 13 x 1-3/4"	014P17		2					2	2	21
54	Oil Drain Valve	100P135	1	1	1	1	1	1	1	1	
55	Oil Drain Valve Adapter	0694P00	1	1	1	1	1	1	1	1	
56	Oil Equalization Tube	TUB2433	1	1	1	1	1	1	1	1	23

DIRECT DRIVE COMPRESSOR MODELS 208, 258, 308 AND 408

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes	
57	Equalization Valve Adapter	ADP77	1	1	1	1	1	1	1	1		
58	Adapter Gasket	GKT309	1	1	1	1	1	1	1	1	34	
59	Valve Plate Assy - RH	PLT301A	1				1	1			9,36,42	
		PLT302A							1		9,36,42	
		PLT508A			1	1					25,36,42	
		PLT586A								1	36,42	
		PLT507A				1	1				24,36,42	
60	Valve Plate Assy - LH	PLT301A					1	1			9,36,42	
		PLT302A							1		9,36,42	
		PLT310A	1								9,36,42	
		PLT311A		1							9,36,42	
		PLT508A			1	1					25,36,42	
		PLT585A								1	36,42	
61	Unloader Closure Plate & Springs	KIT370			3/2	3/2				3	26	
62	Unloader Bolt	BLT60			9/6	9/6				9	28	
	Unloader Pin (.010 O.S.)	PIN84			6	6					6	
63	Valve Replacement Kit	KIT346	4		4	4	4	4			7	
		KIT260		4					4	4	7	
		KIT259	4	4	4	4	4	4	4	4	8	
64	Spacer Plate - RH	PLT267	1	1	1	1	1	1	1		10	
65	Spacer Plate - LH	PLT267			1	1	1	1	1		10	
		PLT309	1	1							10	
66	Spacer Plate Gasket	GKT127	2	2	2	2	2	2	2		10,34	
67	Valve Plate Gasket	GKT124	2	2	2		2		2		8,34	
		GKT301	2	2	2	2	2	2	2	2	7,34	
68	Head Gasket - RH	GKT123	1	1	1	1	1	1	1	1	34	
69	Head Gasket - LH	GKT123	1	1	1	1	1	1	1	1	34	
70	Cylinder Head - RH	HD35	1	1								
		HD37					1	1			24	
		HD204			1	1					1	25
		HD206			1	1						
71	Cylinder Head - LH	HD37					1	1	1			
		HD206			1	1				1	25	
		HD40	1	1								
72	Valve Plate Pin	PIN37	4	4	4	4	4	4	4	4	10	
		PIN83T5	4	4	4	4	4	4	4	4	11	
73	Unloader Piston Assy	PST100A			3/2	3/2				3	26	
74	Unloader Piston Ring Assy.	RNG195A			6/4	6/4				6	3,27	
		RNG201A			4	4					4	
75	Cap Screw 3/8 - 16 x 2-1/2"	SCR179	36	36	36	36	36	36	36	36		
76	Bolt 3/8 - 16 x 3-3/4"	012P33	4	4			4	4	4	4		
	Bolt 3/8 - 16 x 4-1/4"	012P37			4	4						
77	Bolt Sealing Washer	GKT342	4	4	4	4	4	4	4	4		
78	Unloader Valve Gasket	GKT215			2	2				2	34	
79	Unloader Solenoid Valve	VAL438			2	2				2		
80	Unloader Valve Coil	COL141			2	2				2	41	
81	Unloader Shuttle Valve	VAL358	1	1								
82	Shuttle Valve Coil	COL117	1	1							32	
83	Enclosing Tube Assy	KIT339	1	1								
84	Valve Gasket	GKT340	1	1							34	
85	Unloader Valve Gasket	GKT328	1	1							34	
86	Crankcase Heater 115V	HTR59T2	1	1	1	1	1	1	1	1	32	
	Crankcase Heater 230V	HTR59T1	1	1	1	1	1	1	1	1	32	
87	Desuperheating Valve											
	All Refrigerants	VAL381		1		1		1	1	1	14	
	Refrigerant R-12	VAL557				1		1	1		15	
	Refrigerant R-22/502	VAL559				1		1	1		15	
88	Discharge Temp. Thermostat	THT3	1	1		2		2	2	2		
89	Internal Unloading Conversion Kit	KIT337	1				1	1			30	
90	Unloader Control Kit	KIT190			1	1					26	
91	Unloader Pressure Switch	CNT104			3/2	3/2					29	
92	Oil Equalization Kit	KIT309	1	1	1	1	1	1	1	1	31	
93	Gasket Set	KIT180	1	1	1	1	1	1	1	1	10,34	
		KIT342	1	1	1	1	1	1	1	1	11,34	

DIRECT DRIVE COMPRESSOR MODELS 209, 259, 309, 409 AND 509

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
1	Suction Service Valve	VAL54	1	1	1	1	1	1	1	1	
2	Suction Service Valve Gasket	GKT60	1	1	1	1	1	1	1	1	
3	Cap Screw 5/8 - 11 x 4-1/4"	016P37	4	4	4	4	4	4	4	4	
4	Seal Housing	HSG31	1	1	1	1	1	1	1	1	
5	Shaft Seal Assembly	KIT344	1	1	1	1	1	1	1	1	34
6	Seal Gasket	GKT32	1	1	1	1	1	1	1	1	
7	Bolt Sealing Washer	GKT342	1	1	1	1	1	1	1	1	
8	Cap Screw 3/8 - 16 x 5"	012P43	1	1	1	1	1	1	1	1	
9	Cap Screw 3/8 - 16 x 1-1/2"	012P15	15	15	15	15	15	15	15	15	
10	Crankshaft Key	066P29	1	1	1	1	1	1	1	1	
11	O-Ring	0458P37	1	1	1	1	1	1	1	1	1,34
		RNG220			1	1	1	1	1		2,34
12	Suction Filter	FLR28	1	1	1	1	1	1	1	1	
13	Self Tapping Screw	SCR69	12	12	12	12	12	12	12	12	
14	Housing Gasket	GKT121	2	2	2	2	2	2	2	2	
15	Crankcase w/Bearings	CCS61A	1	1	1	1	1	1	1	1	37,34
16	Crankcase Main Bearing	BRG54	2	2	2	2	2	2	2	2	35,34
17	Foam Control Valve	VAL496	1	1	1	1	1	1	1	1	
18	Oil Cooler	CDS291A		1		1		1	1	1	
19	Oil Cooler Connector	CON36		1		1		1	1	1	
20	Oil Strainer	SRA32	1	1	1	1	1	1	1	1	
21	Bottom Cover Gasket	GKT53	1	1	1		1		1		13,34
22	Bottom Cover	COV9	1	1	1		1		1		13
23	Thrust Washer Roll Pin	PIN82T1	4	4	4	4	4	4	4	4	
24	Thrust Washer	WAS36	2	2	2	2	2	2	2	2	
25	Crankshaft	CKS29	1	1	1	1	1	1	1	1	
26	Pipe Plug	055P70	3	3	3	3	3	3	3	3	
27	Magnetic Pipe Plug	PLU5	1	1	1	1	1	1	1	1	
28	Orifice Plug	PLU22	1	1	1	1	1	1	1	1	19
		PLU23			1	1	1	1	1	1	20
29	Connecting Rod	ROD74	4	4	4	4	4	4	4	4	
30	Piston Assembly w/Rings	PST64A	4								33
		PST106AT1		4	4	4	4	4	4	4	16,33
31	Piston Ring Set	SET54T1	4	4	4	4	4	4	4	4	16,33
32	Compression Ring	RNG102T1	8	8	8	8	8	8	8	8	33
33	Oil Scraper Ring	RNG101T1	4	4	4	4	4	4	4	4	33
34	Piston Pin Retaining Ring	0580P21	8		8	8	8	8	8		18
	Piston Pin Retaining Ring	0580P23		8		8		8	8	8	17
	Piston Pin Retainer	RTR22		8		8		8	8	8	17
35	Retaining Disc	DIS14		8		8		8	8	8	17
36	Piston w/Pin	PST64	4								33
		PST106T1		4	4	4	4	4	4	4	16,33
37	Wavy Washer	WAS34	8		8	8	8	8	8		
		WAS35		8		8		8	8	8	17
38	Pump Housing w/Bearing	HSG32B	1	1	1	1	1	1	1	1	
39	Pump Housing Bearing	BRG53	1	1	1	1	1	1	1	1	
40	Oil Pump Assy.	PMP85A	1	1	1	1	1	1	1	1	38
41	Oil Pump Gasket	GKT113	1	1	1	1	1	1	1	1	38,34
42	Oil Sight Glass	GLS3	1	1	1	1	1	1	1	1	
43	O-Ring	0458P29	1	1	1	1	1	1	1	1	34
44	Oil Relief Valve	VAL258	1	1	1	1	1	1	1	1	
45	Elbow	072P02	2	2	2	2	2	2	2	2	
46	Plug	055P62	1	1	1	1	1	1	1	1	
47	Cap Screw 3/8 - 16 x 1-1/2"	012P15	16	16	16	16	16	16	16	16	
48	Discharge Pressure Relief Valve	0609P75	1	1	1	1	1	1	1	1	21
		VAL71			1	1	1	1	1		22
49	Discharge Valve Gasket	GKT62	1	1	1	1	1	1	1	1	34
52	Discharge Service Valve	VAL59	1	1	1	1	1	1	1	1	
53	Cap Screw 1/2 - 13 x 3-1/2"	014P31	4	4	4	4	4	4	4	4	
54	Oil Drain Valve	100P135	1	1	1	1	1	1	1	1	
55	Oil Drain Valve Adapter	0694P00	1	1	1	1	1	1	1	1	
56	Oil Equalization Tube	TUB2433	1	1	1	1	1	1	1	1	23
57	Equalization Valve Adapter	ADP77	2	2	1	1	1	1	1	2	

DIRECT DRIVE COMPRESSOR MODELS 209, 259, 309, 409 AND 509

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes	
58	Adapter Gasket	GKT309	2	2	2	2	2	2	2	2	34	
59	Valve Plate Assy- RH	PLT301A	1				1	1			9,36,42	
		PLT302A		1					1		9,36,42	
		PLT508A			1	1					25,36,42	
		PLT586A								1	36,42	
		PLT507A			1	1					24,36,42	
60	Valve Plate Assy - LH	PLT301A					1	1			9,36,42	
		PLT302A							1		9,36,42	
		PLT310A	1								9,36,42	
		PLT311A		1							9,36,42	
		PLT508A			1	1					25,36,42	
		PLT585A								1	36,42	
61	Unloader Closure Plate & Springs	KIT370			3/2	3/2				3	26	
62	Unloader Bolt	BLT60			9/6	9/6					9	28,37
	Unloader Pin (.010 O.S.)	PIN84			6	6						6
63	Valve Replacement Kit	KIT346	4		4	4	4	4	4			7
		KIT260		4					4	4	4	7
		KIT259	4	4	4	4	4	4	4	4	4	8
64	Spacer Plate - RH	PLT265	1	1	1	1	1	1	1		10	
65	Spacer Plate - LH	PLT265			1	1	1	1	1		10	
		PLT322	1	1							10	
66	Spacer Plate Gasket	GKT157	2	2	2	2	2	2	2		10,34	
67	Valve Plate Gasket	GKT158	2	2	2	2	2	2	2	2	34	
68	Head Gasket - RH	GKT123	1	1	1	1	1	1	1	1	34	
69	Head Gasket - LH	GKT123	1	1	1	1	1	1	1	1	34	
70	Cylinder Head - RH	HD35	1	1								
		HD37					1	1	1			
		HD204			1	1					1	24
		HD206			1	1						
71	Cylinder Head - LH	HD37					1	1	1			
		HD206			1	1					1	
		HD40	1	1								
72	Valve Plate Pin	PIN37	4	4	4	4	4	4	4	4	10	
		PIN83T5	4	4	4	4	4	4	4	4	4	11
73	Unloader Piston Assy	PST100A			3/2	3/2					3	26
74	Unloader Piston Ring Assy.	RNG195A			6/4	6/4					6	3,27
		RNG201A			4	4						4
75	Cap Screw 3/8 - 16 x 2-1/2"	SCR179	36	36	36	36	36	36	36	36		
76	Bolt 3/8 - 16 x 3-3/4"	012P33	4	4			4	4	4			
	Bolt 3/8 - 16 x 4-1/4"	012P37			4	4					4	
77	Bolt Sealing Washer	GKT342	4	4	4	4	4	4	4	4	34	
78	Unloader Valve Gasket	GKT215			2	2					2	34
79	Unloader Solenoid Valve	VAL438			2	2					2	
80	Unloader Valve Coil	COL141			2	2					2	41
81	Unloader Shuttle Valve	VAL358	1	1								39
82	Shuttle Valve Coil	COL117	1	1								32
83	Enclosing Tube Assy	KIT339	1	1								
84	Valve Gasket	GKT340	2	2								34
85	Unloader Valve Gasket	GKT328	1	1								40,34
86	Crankcase Heater 115V	HTR59T1	1	1	1	1	1	1	1	1	1	32
	Crankcase Heater 230V	HTR59T2	1	1	1	1	1	1	1	1	1	32
87	Desuperheating Valve											
	All Refrigerants	VAL381		1		1		1	1	1	14	
	Refrigerant R-12	VAL557				1		1	1		15	
	Refrigerant R-22/502	VAL559				1		1	1		15	
88	Discharge Temp. Thermostat	THT3	1	1		2		2	2	2		
89	Internal Unloading Conversion Kit	KIT337	1				1	1				30
90	Unloader Control Kit	KIT190			1	1						
91	Unloader Pressure Switch	CNT104			3/2	3/2						26
92	Oil Equalization Kit	KIT309	1	1	1	1	1	1	1	1	31	
93	Gasket Set	KIT180	1	1	1	1	1	1	1	1	10,34	
		KIT342	1	1	1	1	1	1	1	1	11,34	

DIRECT DRIVE COMPRESSOR MODELS 261, 311, 411 AND 511

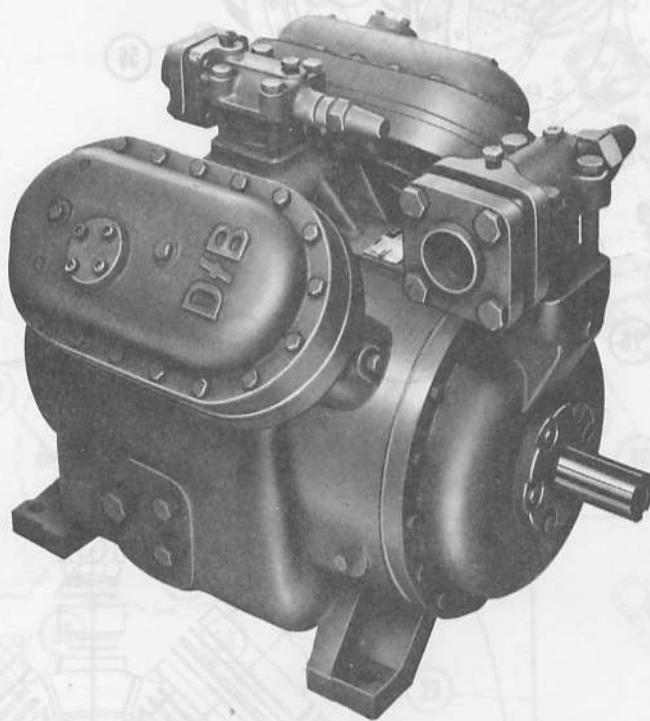
ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
1	Suction Service Valve	VAL54	1	1	1	1	1	1	1	1	
2	Suction Service Valve Gasket	GKT60	1	1	1	1	1	1	1	1	34
3	Cap Screw 5/8 - 11 x 4-1/4"	016P37	4	4	4	4	4	4	4	4	
4	Seal Housing	HSG31	1	1	1	1	1	1	1	1	
5	Shaft Seal Assembly	KIT344	1	1	1	1	1	1	1	1	
6	Seal Gasket	GKT32	1	1	1	1	1	1	1	1	34
7	Bolt Sealing Washer	GKT342	1	1	1	1	1	1	1	1	34
8	Cap Screw 3/8 - 16 x 5"	012P43	1	1	1	1	1	1	1	1	
9	Cap Screw 3/8 - 16 x 1-1/2"	012P15	15	15	15	15	15	15	15	15	
10	Crankshaft Key	066P29	1	1	1	1	1	1	1	1	
11	O-Ring	0458P37	1	1	1	1	1	1	1	1	1,34
		RNG220			1	1	1	1	1		2,34
12	Suction Filter	FLR28	1	1	1	1	1	1	1	1	
13	Self Tapping Screw	SCR69	12	12	12	12	12	12	12	12	
14	Housing Gasket	GKT121	2	2	2	2	2	2	2	2	
15	Crankcase w/Bearings	CCS61A	1	1	1	1	1	1	1	1	37
16	Crankcase Main Bearing	BRG54	2	2	2	2	2	2	2	2	35
17	Foam Control Valve	VAL496	1	1	1	1	1	1	1	1	
18	Oil Cooler	CDS291A		1		1		1	1	1	
19	Oil Cooler Connector	CON36		2		2		2	2	2	
20	Oil Strainer	SRA32	1	1	1	1	1	1	1	1	
21	Bottom Cover Gasket	GKT53	1	1	1		1		1		13,34
22	Bottom Cover	COV9	1	1	1		1		1		13
23	Thrust Washer Roll Pin	PIN82T1	4	4	4	4	4	4	4	4	
24	Thrust Washer	WAS36	2	2	2	2	2	2	2	2	
25	Crankshaft	CKS30	1	1	1	1	1	1	1	1	
26	Pipe Plug	055P70	3	3	3	3	3	3	3	3	
27	Magnetic Pipe Plug	PLU5	1	1	1	1	1	1	1	1	
28	Orifice Plug	PLU22	1	1	1	1	1	1	1	1	19
		PLU23			1	1	1	1	1	1	20
29	Connecting Rod	ROD75	4	4	4	4	4	4	4	4	16
30	Piston Assembly w/Rings	PST64A	4								33
		PST106AT1		4	4	4	4	4	4	4	16,33
31	Piston Ring Set	SET54T1	4	4	4	4	4	4	4	4	33
32	Compression Ring	RNG102T1	8	8	8	8	8	8	8	8	33
33	Oil Scraper Ring	RNG101T1	4	4	4	4	4	4	4	4	33
34	Piston Pin Retaining Ring	0580P21	8		8	8	8	8	8		18
	Piston Pin Retaining Ring	0580P23		8		8		8	8	8	17
	Piston Pin Retainer	RTR22		8		8		8	8	8	17
35	Retaining Disc	DIS14		8		8		8	8	8	17
36	Piston w/Pin	PST64	4								16
		PST106T1		4	4	4	4	4	4	4	16,33
37	Wavy Washer	WAS34	8		8	8	8	8	8		
		WAS35		8		8		8	8	8	17
38	Pump Housing w/Bearing	HSG32B	1	1	1	1	1	1	1	1	
39	Pump Housing Bearing	BRG53	1	1	1	1	1	1	1	1	
40	Oil Pump Assy.	PMP85A	1	1	1	1	1	1	1	1	38
41	Oil Pump Gasket	GKT113	1	1	1	1	1	1	1	1	38,34
42	Oil Sight Glass	GLS3	1	1	1	1	1	1	1	1	
43	O-Ring	0458P29	1	1	1	1	1	1	1	1	34
44	Oil Relief Valve	VAL258	1	1	1	1	1	1	1	1	
45	Elbow	072P02	2	2	2	2	2	2	2	2	
46	Plug	055P62	1	1	1	1	1	1	1	1	
47	Cap Screw 3/8 - 16 x 1-1/2"	012P15	16	16	16	16	16	16	16	16	
48	Discharge Pressure Relief Valve	0609P75	1	1	1	1	1	1	1	1	21
		VAL71			1	1	1	1	1		22
49	Discharge Valve Gasket	GKT62	1	1	1	1	1	1	1	1	34
52	Discharge Service Valve	VAL59	1	1	1	1	1	1	1	1	
53	Cap Screw 1/2 - 13 x 3-1/2"	014P31	4	1	4	4	4	4	4	1	
54	Oil Drain Valve	100P135	1	1	1	1	1	1	1	1	
55	Oil Drain Valve Adapter	0694P00	1	1	1	1	1	1	1	1	
56	Oil Equalization Tube	TUB2433	1	1	1	1	1	1	1	1	23

DIRECT DRIVE COMPRESSOR MODELS 261, 311, 411 AND 511

ITEM	DESCRIPTION	PART NO.	UDH UDC	UDL	DH DC	DCL	DHN DCN	DCLN	DLN	DLS	Notes
57	Equalization Valve Adapter	ADP77	2	2	1	1	1	1	1	2	
58	Adapter Gasket	GKT309	2	2	2	2	2	2	2	2	34
59	Valve Plate Assy- RH	PLT301A	1				1	1			9,36,42
		PLT302A		1					1		9,36,42
		PLT508A			1	1					25,36,42
		PLT586A								1	36,42
		PLT507A				1	1				24,36,42
60	Valve Plate Assy - LH	PLT301A					1	1			9,36,42
		PLT302A							1		9,36,42
		PLT310A	1								9,36,42
		PLT311A		1							9,36,42
		PLT508A			1	1					25,36,42
61	Unloader Closure Plate & Springs	KIT370			3/2	3/2				3	26
62	Unloader Bolt	BLT60			9/6	9/6				9	5,28,37
	Unloader Pin (.010 O.S.)	PIN84			6	6					6
		KIT346	4		4	4	4	4			7
63	Valve Replacement Kit	KIT260		4					4	4	7
		KIT259	4	4	4	4	4	4	4	4	8
64	Spacer Plate - RH	PLT265	1	1	1	1	1	1	1		10
65	Spacer Plate - LH	PLT265			1	1	1	1	1		10
		PLT322	1	1							10
66	Spacer Plate Gasket	GKT157	2	2	2	2	2	2	2		10,34
67	Valve Plate Gasket	GKT158	2	2	2	2	2	2	2	2	34
68	Head Gasket - RH	GKT123	1	1	1	1	1	1	1	1	34
69	Head Gasket - LH	GKT123	1	1	1	1	1	1	1	1	34
70	Cylinder Head - RH	HD35	1	1							
		HD37					1	1	1		
		HD204			1	1					1
71	Cylinder Head - LH	HD206			1	1					
		HD37					1	1	1		
		HD40	1	1							
72	Valve Plate Pin	PIN37	4	4	4	4	4	4	4	4	10
		PIN83T5	4	4	4	4	4	4	4	4	4
73	Unloader Piston Assy	PST100A			3/2	3/2				3	26
74	Unloader Piston Ring	RNG195A			6/4	6/4				6	3,27
		RNG201A			4	4					4
75	Cap Screw 3/8 - 16 x 2-1/2"	SCR179	36	36	36	36	36	36	36	36	
76	Bolt 3/8 - 16 x 3-3/4"	012P33	4	4			4	4	4		
	Bolt 3/8 - 16 x 4-1/4"	012P37			4	4				4	
77	Bolt Sealing Washer	GKT342	4	4	4	4	4	4	4	4	
78	Unloader Valve Gasket	GKT215			2	2				2	
79	Unloader Solenoid Valve	VAL438			2	2				2	
80	Unloader Valve Coil	COL141			2	2				2	41
81	Unloader Shuttle Valve	VAL358	1	1							39
82	Shuttle Valve Coil	COL117	1	1							32
83	Enclosing Tube Assy	KIT339	1	1							
84	Valve Gasket	GKT340	2	2							34
85	Unloader Valve Gasket	GKT328	1	1							40,34
86	Crankcase Heater 115V	HTR59T2	1	1	1	1	1	1	1	1	32
	Crankcase Heater 230V	HTR59T1	1	1	1	1	1	1	1	1	32
87	Desuperheating Valve All Refrigerants	VAL381		1		1		1	1	1	14
	Refrigerant R-12	VAL557				1		1	1		15
	Refrigerant R-22/502	VAL559				1		1	1		15
88	Discharge Temp. Thermostat	THT3	1	1		2		2	2	2	
89	Internal Unloading Conversion Kit	KIT337	1				1	1			30
90	Unloader Control Kit	KIT190			1	1					
91	Unloader Pressure Switch	CNT104			3/2	3/2					26
92	Oil Equalization Kit	KIT309	1	1	1	1	1	1	1	1	31
93	Gasket Set	KIT180	1	1	1	1	1	1	1	1	10,34
		KIT342	1	1	1	1	1	1	1	1	11,34

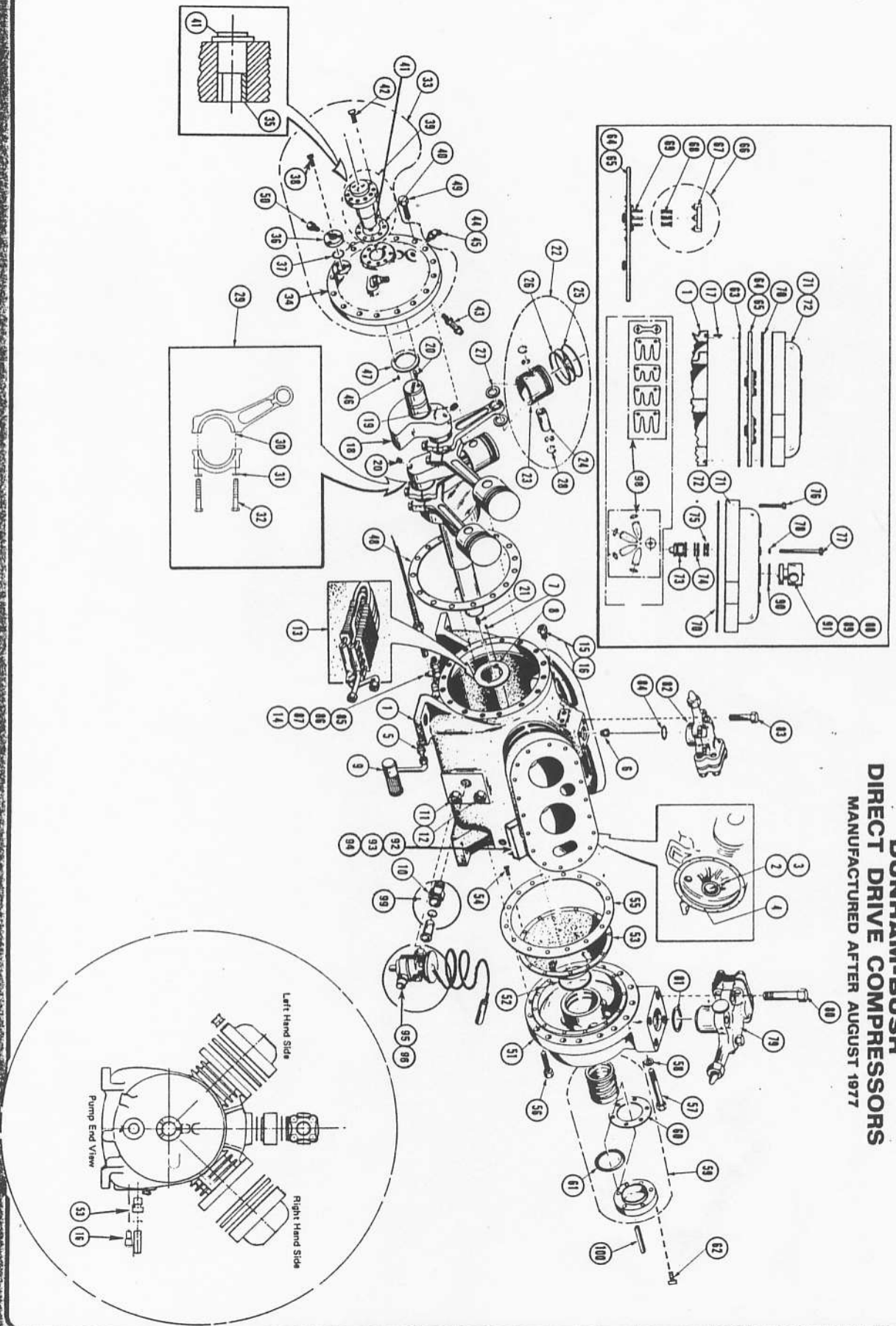
SECTION 2

DIRECT DRIVE COMPRESSORS



MANUFACTURED AFTER AUGUST 1977

DUNHAM-BUSH
DIRECT DRIVE COMPRESSORS
 MANUFACTURED AFTER AUGUST 1977



DIRECT DRIVE NOTES

1. Wrist pins cannot be purchased separately. They are matched with the piston at the factory.
2. Not available as a separate item.
3. For individual gaskets and gasket set see pages 35 thru 38.
4. Specify control voltage when ordering 'T1' = 115V, 'T2' = 230V
5. For parts used in liquid injection kit see page 39.
6. For parts used in valve replacement and kits see pages 29 thru 34 and 40.
7. For parts used in oil equalization kit see page 39.
8. Crankcase bearings must be pressed in and line bored in a machine shop. (Ref. DB Service Bulletin SR116)
9. Valve plate assemblies are supplied with head and valve plate gaskets.
10. Oil pump assemblies are supplied with gaskets, Tuthill oil pumps are also supplied with bushings.
11. Crankcase bores may be standard or oversize. Check bore size before ordering parts. Standard bore has suffix 'T1'. To order .005 oversize add suffix 'T2' to part number; for .010 oversize add 'T3' to part number; for .020 oversize add 'T4' to part number.