

YORK[®]

MODEL SC SCREW COMPRESSOR UNITS

RENEWAL PARTS

Supersedes: Nothing

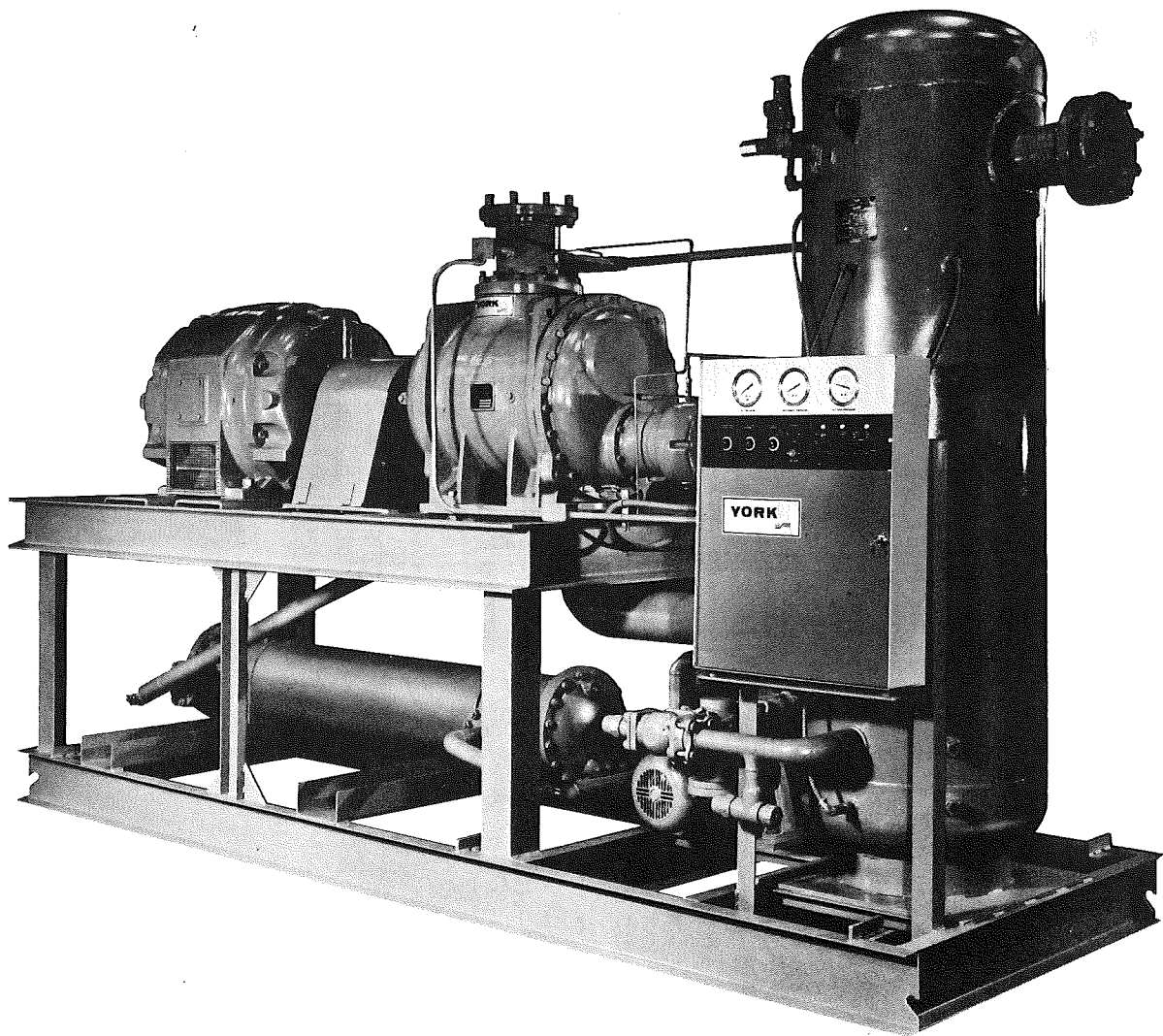
775

Form 230.05 - RP

MODELS

SC204/1.1; SC204/1.65; SC255/1.1; SC255/1.65

REFRIGERANT -22 AND -717



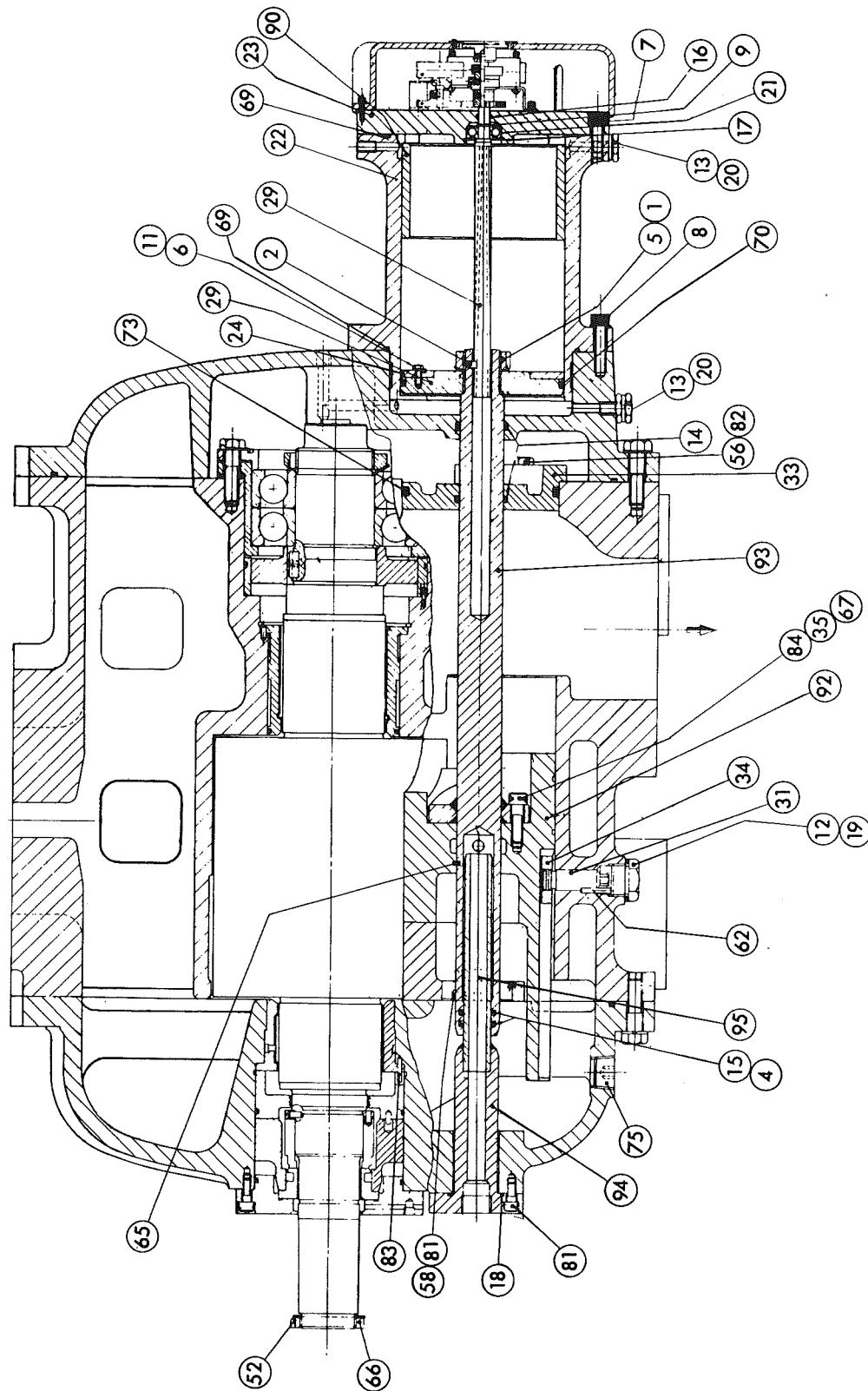
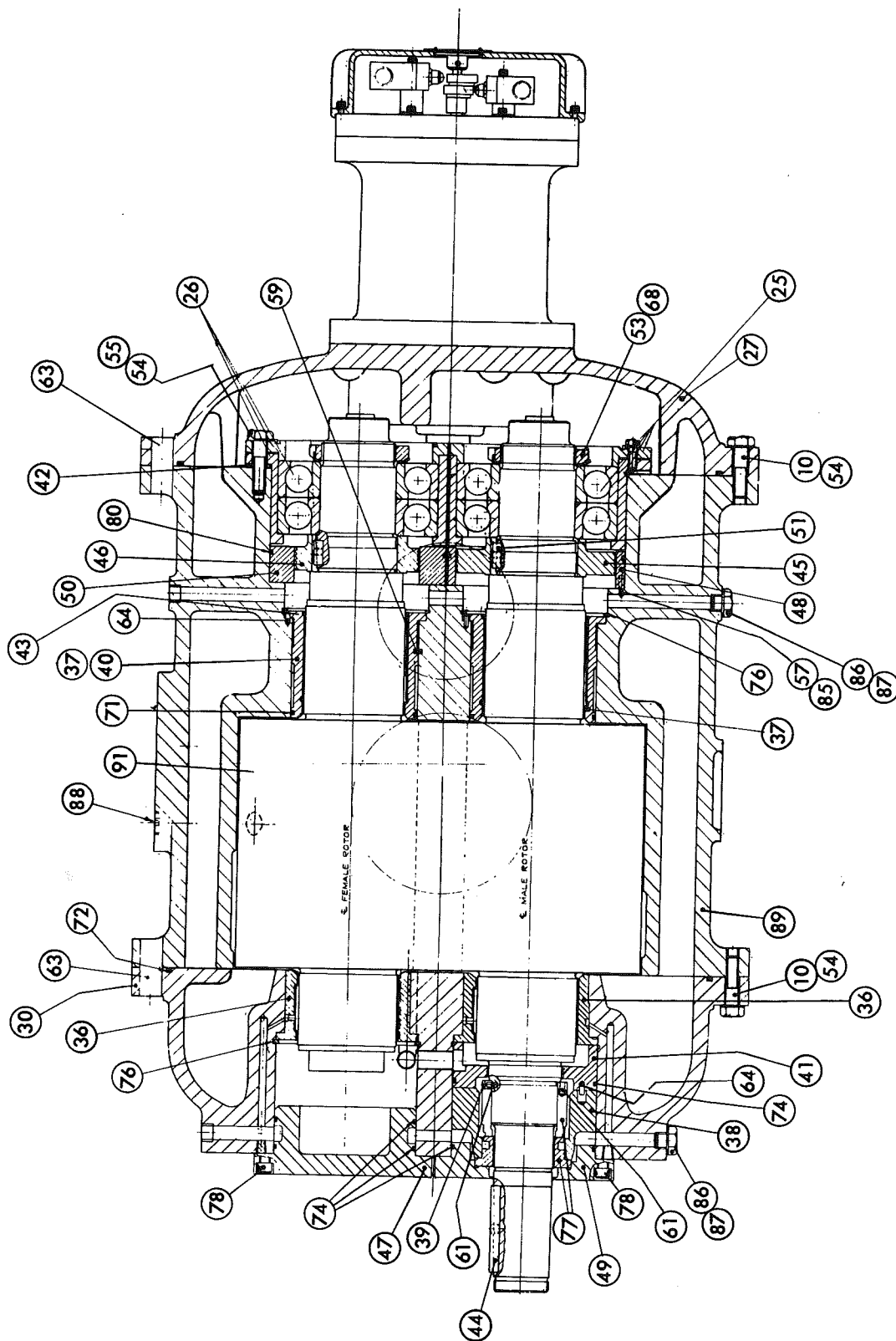


FIG. 1 — COMPRESSOR VERTICAL CROSS SECTION



COMPRESSOR HORIZONTAL CROSS SECTION
YORK DIVISION BORG-WARNER

COMMON PARTS
SC204/1.10 & 1.65
SC255/1.10 & 1.65

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ'D.
1	Locknut	015-01143-001	1
2	Pin, Guide	015-01143-002	1
3	Ring, Piston Rod P.T.F.E.	015-01143-003	2
4	Ring, Connecting Tubing P.T.F.E.	015-01143-005	2
5	Lockwasher (40 MM)	015-01143-006	1
6	Screw, Set (1/4" x 5/8")	015-01143-007	6
7	Screw, Cap (1/2" x 1-1/2")	015-01143-008	8
8	Screw, Cap (1/2" x 1-3/4")	015-01143-009	8
9	Ring, Retaining	015-01143-010	1
10	Washer, Spring (5/8")	015-01143-011	48
11	Washer, Tab (1/4")	015-01143-012	6
12	Washer, Dowty (Sealing) 1"	015-01143-013	1
13	Washer, Dowty (Sealing) 1/4"	015-01143-014	2
14	Seal, O-Ring (2" I.D.)	015-01143-015	2
15	Seal, O-Ring (1.234" I.D.)	015-01143-016	2
16	Seal, O-Ring (.469" I.D.)	015-01143-017	1
17	Ring, Retaining	015-01143-018	1
18	Seal, O-Ring (2-1/8" I.D.)	015-01143-019	1
19	Plug, Hex (1")	015-01143-020	1
20	Plug, Hex (1/4")	015-01143-021	2
21	Bearing, Ball	015-01143-022	1

COMMON SCREW COMPRESSOR PARTS

ITEM NO.	DESCRIPTION	PART NO.	NO.	PART NO.	NO.
		SC204	REQ'D.	SC255	REQ'D.
22	Cylinder, Actuating	015-01143-023	1	015-01143-083	1
23	Cover, Actuator Cylinder	015-01143-024	1	015-01143-084	1
24	Ring, Retaining	015-01143-025	1	015-01143-085	1
25	Bearing, Thrust Male	015-01143-026	1	015-01143-086	1
26	Bearing, Thrust Female	015-01143-027	1	015-01143-087	1
27	Cover, Discharge End	015-01143-028	1	015-01143-088	1
28	Piston, Actuator	015-01143-029	1	015-01143-089	1
29	Spindle, Actuator	015-01143-030	1	015-01143-090	1
30	Cover, Suction End	015-01143-031	1	015-01143-091	1
31	Spindle, Guide End	015-01143-032	1	015-01143-092	1
32	Ring, Piston, P.T.F.E.	015-01143-033	1	015-01143-093	1
33	Guide, Piston Rod	015-01143-034	1	015-01143-094	1
34	Block, Guide	015-01143-035	1	015-01143-095	1
35	Lockwasher	015-01143-036	1	—	0
36	Bearing, Journal I.E.	015-01143-037	2	015-01143-096	2
37	Bearing, Journal O.E.M.	015-01143-038	1	015-01143-097	2
38	Housing, Seal	015-01143-039	1	015-01143-098	1
39	Ring, Driving	015-01143-040	1	015-01143-099	1
40	Bearing, Journal O.E.F.	015-01143-041	1	—	0
41	Seal, Labyrinth	015-01143-042	1	015-01143-100	1
42	Washer, Adjusting	015-01143-043	8	015-01143-101	6
43	Ring, Locking	015-01143-044	2	—	0
44	Key	015-01143-045	1	015-01143-102	1
45	Piston, Balance Male	015-01143-046	1	015-01143-103	1
46	Piston, Balance Female	015-00143-047	1	015-01143-104	1
47	Cover, Rotor Female	015-01143-048	1	015-01143-105	1
48	Sleeve, Bal. Pist. Male	015-01143-049	1	015-01143-106	1
49	Cover, Rotor Male	015-01143-050	1	015-01143-107	1
50	Sleeve, Bal. Pist. Female	015-01143-051	1	015-01143-108	1
51	Key, Balance Piston	015-01143-052	2	015-01143-109	2
52	Lockwasher	015-01143-053	1	015-01143-110	1

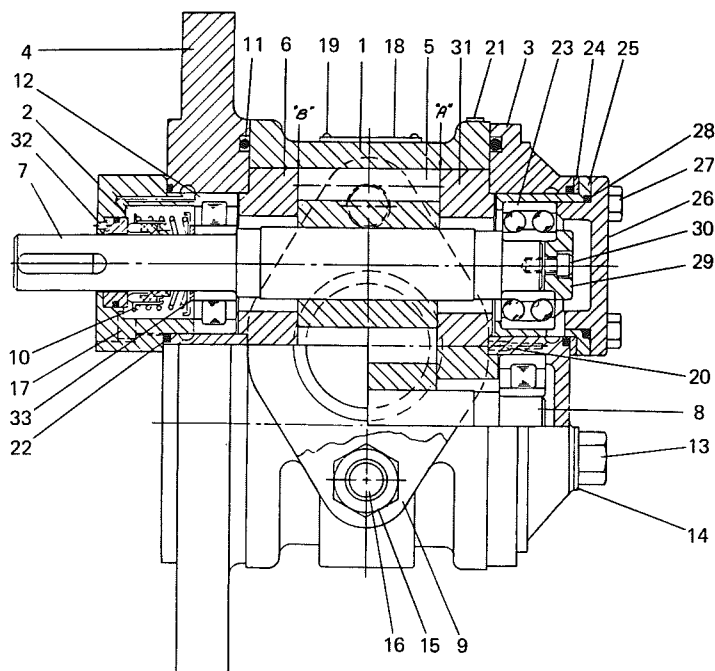
COMMON SCREW COMPRESSOR PARTS

ITEM NO.	DESCRIPTION	PART NO. SC204	NO. REQ'D.	PART NO. SC255	NO. REQ'D.
53	Lockwasher	015-01143-054	2	015-01143-111	2
54	Screw, Set (5/8" x 2-1/4")	015-01143-055	48	015-01143-112	54
55	Screw, Set (1/2" x 2")	015-01143-056	12	—	0
56	Screw, Set (1/2" x 1-1/4")	015-01143-057	4	015-01143-113	4
57	Screw, Cap Socket (5/16" x 3/4")	015-01143-058	8	—	0
58	Screw, Cap Socket (3/8" x 1-1/4")	015-01143-059	4	—	0
59	Pin, Dowel (5/16" x 5/8")	015-01143-060	2	—	0
60	Pin, Dowel (5/16" x 1/2")	015-01143-061	2	—	0
61	Pin, Dowel (1/4" x 1/2")	015-01143-062	2	015-01143-114	2
62	Pin, Dowel (1/4" x 1-3/8")	015-01143-063	1	015-01143-115	1
63	Pin, Dowel (1" x 2-1/2")	015-01143-064	4	015-01143-116	4
64	Pin, Dowel (3/16" x 1/2")	015-01143-065	3	015-01143-117	3
65	Pin, Dowel (5/16" x 3/4")	015-01143-066	1	—	0
66	Locknut	015-01143-067	1	015-01143-118	1
67	Locknut	015-01143-068	1	—	0
68	Locknut	015-01143-069	2	015-01143-119	2
69	Seal, O-Ring (7-3/4" I.D. x .139")	015-01143-070	2	015-01143-120	2
70	Seal, O-Ring (6-3/8" I.D. x .275")	015-01143-071	1	015-01143-121	1
71	Seal, O-Ring (5-1/4" I.D. x .139")	015-01143-072	2	015-01143-122	2
72	Seal, O-Ring (23-1/2" I.D. x .210")	015-01143-073	2	015-01143-123	2
73	Seal, O-Ring (6-1/8" I.D. x .275")	015-01143-074	1	015-01143-124	1
74	Seal, O-Ring (5.984" I.D. x .139")	015-01143-075	4	015-01143-081	4
75	Plug, Taper	015-01143-076	1	015-01143-125	1
76	Ring, Retaining	015-01143-077	2	015-01143-126	3
77	Seal, Crane	015-01143-078	1	015-01143-127	1
78	Screw, Cap	015-01143-079	6	015-01143-079	8
79	Washer, Tab	015-01143-080	12	015-01143-128	6
80	Seal, O-Ring	015-01143-081	1	015-01143-129	2
81	Screw, Cap	015-01143-082	3	015-01143-082	8
82	Washer, Tab	—	—	015-01143-080	4
83	Pin, Dowel	—	—	015-01143-130	1
84	Screw, Cap Socket	—	—	015-01143-131	6
85	Pin, Dowel	—	—	015-01143-132	1
86	Plug, B.S.P.	—	—	015-01143-133	2
87	Washer, Dowty (Sealing)	—	—	015-01143-134	2
88	Plug, Taper	—	—	015-01143-135	1
95		015-01143-004	1	015-01143-004	1

VARIABLE COMPONENTS

ITEM NO.	DESCRIPTION	PART NO. 204/1.10	NO. REQ'D.	PART NO. 204/1.65	NO. REQ'D.	PART NO. 255/1.10	NO. REQ'D.	PART NO. 255/1.65	NO. REQ'D.
89	Casing	015-01143-136	1	015-01143-141	1	015-01143-146	1	015-01143-151	1
90	Piston, Stop	015-01143-137	1	015-01143-142	1	015-01143-147	1	015-01143-152	1
91	Rotors (1 Pair)	015-01143-138	1	015-01143-143	1	015-01143-148	1	015-01143-153	1
92	Valve, Slide*								
	2.6	015-01143-156	1	015-01143-159	1	015-01143-162	1	015-01143-165	1
	3.6	015-01143-157	1	015-01143-160	1	015-01143-163	1	015-01143-166	1
	5.0	015-01143-158	1	015-01143-161	1	015-01143-164	1	015-01143-167	1
93	Rod, Piston Actuator	015-01143-139	1	015-01143-144	1	015-01143-149	1	015-01143-154	1
94	Tube, Connecting	015-01143-140	1	015-01143-145	1	015-01143-150	1	015-01143-155	1

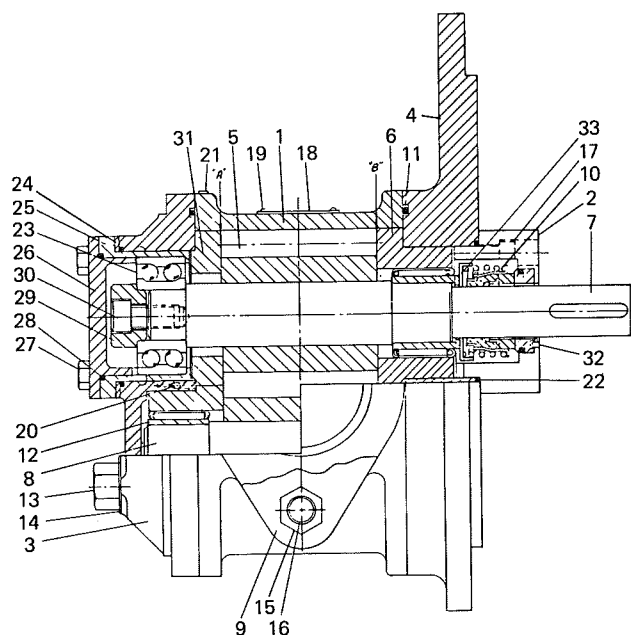
*Slide valve part numbers shown above are for replacement slide valves only. They should be used for replacing an existing slide valve with one of the same size.



This pump used on units with 10" or 12" diameter oil coolers.

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ'D.
1	Body, Pump	015-01155-001	1
2	Cover, End Oil Seal	015-01155-002	1
3	Cover, End	015-01155-003	1
4	Cover, End Flanged	015-01155-004	1
5	Rotor	015-01155-031	2
6	Adaptor	015-01155-032	3
7	Shaft, Driving	015-01155-005	1
8	Shaft, Driven	015-01155-006	1
9	Flange, Pipe	015-01155-007	2
10	Seal, Crane	015-01155-008	1
11	Seal, O-Ring	015-01155-009	2
12	Bearing, Roller	015-01155-010	3
13	Bolt, Body	015-01155-011	4
14	Ring, Seal	015-01155-012	4
15	Nut, Flange Pipe	015-01155-013	4
16	Stud, Flange Pipe	015-01155-014	4
17	Screw, Cap	015-01155-015	4
18	Nameplate	015-01155-016	1
19	Pin, Nameplate	015-01155-017	4
20	Valve, Ball	015-01155-018	4
21	Plate, Rotation	015-01155-019	1
22	Seal, O-Ring	015-01155-020	2
23	Bearing, S.K.F.	015-01155-021	1
24	Plate, Adjusting	015-01155-022	1
25	Sleeve, Bearing	015-01155-023	1
26	Cover, End	015-01155-024	1
27	Bolt	015-01155-025	4
28	Seal, O-Ring	015-01155-026	1
29	Plate, Retng. Brg.	015-01155-027	1
30	Screw, Cap	015-01155-028	1
31	Adaptor	015-01155-033	1
32	Pin, Seat Oil Seal	015-01155-029	1
33	Washer	015-01155-030	1

FIG. 2 — OIL PUMP — YORK PART NO. 015-01155

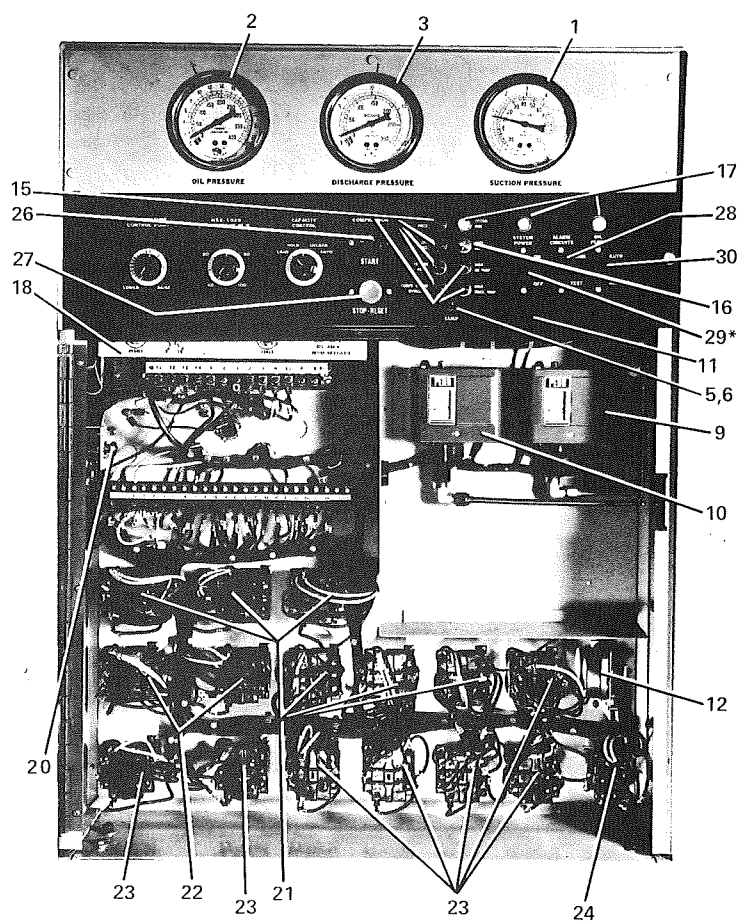


This pump used on units with 14" & 16" diameter oil coolers.

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ'D.
1	Body, Pump	015-01156-001	1
2	Cover, End Oil Seal	015-01156-002	1
3	Cover, End	015-01156-003	1
4	Cover, End Flanged	015-01156-004	1
5	Rotor	015-01156-029	2
6	Adaptor, Brg. Hsg.	015-01156-030	3
7	Shaft, Driving	015-01156-005	1
8	Shaft, Driven	015-01156-006	1
9	Flange, Pipe	015-01156-007	2
10	Seal, Crane	015-01156-008	1
11	Seal, O-Ring	015-01156-009	2
12	Bearing, Roller	015-01156-010	3
13	Bolt, Body	015-01156-011	4
14	Ring, Seal	015-01156-012	4
15	Nut, Flange Pipe	015-01156-013	4
16	Stud, Flange Pipe	015-01156-014	4
17	Screw, Cap Allen Hd.	015-01156-015	4
18	Nameplate	015-01156-016	1
19	Pin, Nameplate	015-01156-017	4
20	Valve, Ball	015-01156-018	4
21	Plate, Rotation	015-01156-019	1
22	Seal, O-Ring	015-01156-020	2
23	Bearing, S.K.F.	015-01156-031	1
24	Plate, Adjusting	015-01156-021	1
25	Sleeve, Bearing	015-01156-022	1
26	Cover, End	015-01156-023	1
27	Screw	015-01156-024	4
28	Seal, O-Ring	015-01156-032	1
29	Plate, Retng. Brg.	015-01156-025	1
30	Screw, Cap	015-01156-026	1
31	Adaptor	015-01156-033	1
32	Pin, Seat Oil Seal	015-01156-027	1
33	Washer	015-01156-028	1

FIG. 3 — OIL PUMP — YORK PART NO. 015-01156

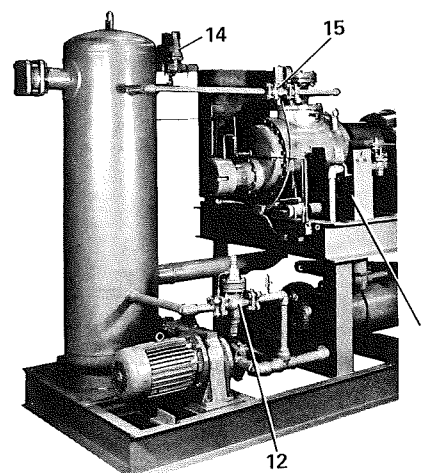
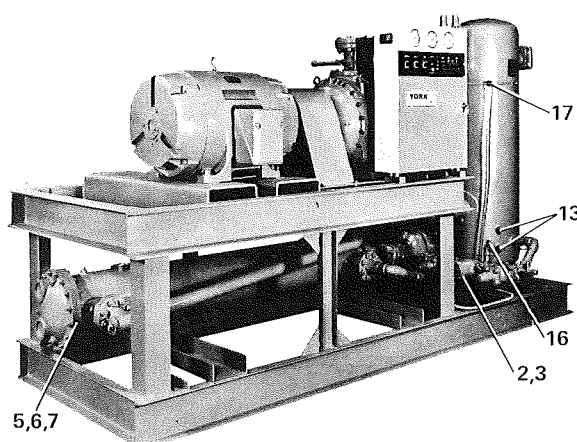
YORK DIVISION BORG-WARNER



ITEM NO.	DESCRIPTION	PART NO.
1	Gauge (Suction Pressure)	026-14365
2	Gauge (Oil Pressure)	026-18784
3	Gauge (Discharge Pressure)	026-14363
4 *	Lock and Key	021-13025
5	Fuse (1FU) 5 Amp.	025-15759
6	Fuseholder	025-13991
9	Low Pressure Cutout (LP)	025-18007
10	Oil Pressure Cutout (OP)	025-16875
11 *	High Pressure Cutout (HP)	025-18008
12	Anti-Recycle Timer, 30 Min. (1TR)	025-17172
15	Pilot Light, Red (5, 6, 7, 8, 9, 10L)	025-13551
16	Pilot Light, Amber (4L)	025-14025
17	Pilot Light, White (1, 2, 3L)	025-15708
18	Temperature and Current Control Module (TCM-1A)	225-16883
20	Temp. Sensor Potentiometer (TSP)	366-48789
21	Relay, Control (1, 2, 3, 7, 9, 10R)	024-17093
22	Relay, Control (4, 8R)	024-17027
23	Relay, Control (5, 11, 12, 13, 14, 15, 16R)	024-11784
24	Relay, Control (6R)	024-17075
26	Switch, Pushbutton (Black)	024-13761
27	Switch, Pushbutton (Red)	024-16933
28	Switch (SS-1)	024-16590
29	Switch (SS-2)	024-10891
30	Switch (SS-3)	024-17168

*Not Shown

FIG. 4 — CONTROL PANEL



SCREW COMPRESSOR UNIT COMPONENTS

ITEM NO.	DESCRIPTION	PART NO.
1	Oil Filter Cartridge & Gasket	026-11255
2	Oil Strainer Screen	029-15923
3	Oil Strainer Gasket	
	Units with 10" or 12" Oil Cooler	028-09484
	Units with 14" Oil Cooler	028-09483
4*	Suction Check Valve	
	6"	022-04332
	8"	022-04333
5	Oil Cooler Assembly	
	10" Dia	026-18744-001
	12" Dia	026-18744-002
	14" Dia	026-18744-003
	16" Dia	026-18744-004
7	Gasket, Oil Cooler (1 Set)	
	10" Dia	028-09485
	12" Dia	028-09486
	14" Dia	028-09487
	16" Dia	028-09488
8*	Stop Valve, Suction	
	6" — R-22	368-00418
	8" — R-22	368-07056
	6" — R-717	368-00209
	8" — R-717	368-00210

ITEM NO.	DESCRIPTION	PART NO.
9*	Stop Valve, Discharge	
	4" — R-22	368-00408
	6" — R-22	368-00418
	4" — R-717	368-00189
	6" — R-717	368-00209
10*	Screen, Suction Strainer	
	6"	368-02617
	8"	368-02618
11*	Gasket, Suction Strainer Screen	
	6"	028-00883
	8"	028-00828
12	Oil Pressure Regulating Valve	
	Units With 10" or 12" Oil Cooler	022-04316
	Units With 14" Oil Cooler	022-04317
	Units With 16" Oil Cooler	022-04317
13	Sight Glass (Oil Separator)	026-17581
14	Relief Valve (Oil Separator)	468-07880
15	Solenoid Valve (Starting By-Pass)	025-17733
16	High Oil Temp. Cutout (HOT)	025-15381-007
17	High Disch. Temp. Cutout (HDT)	025-15381-007
18*	Valve, Discharge Check — 4"	022-04545
	Valve, Discharge Check — 6"	022-04553
19*	Capacity Control Solenoids (1, 2, 3 & 4 SOL)	025-16145
20*	Temperature Sensor (TS)	025-18022

* Not Shown

For parts not listed above, order from YORK factory giving the following information:

1. Complete description
2. Compressor Model No.
3. Serial No.
4. York Sales Order No. under which the compressor was originally furnished.

FIG. 5 — UNIT COMPONENTS

YORK DIVISION BORG-WARNER

DRIVE COUPLING

COMPRESSOR MODEL	MOTOR SHAFT DIAMETER	PART NO.
SC204	2-1/8"	066-54433-001
SC204	2-3/8"	066-54433-004
SC204	2-5/8"	066-54433-002
SC204	2-7/8"	066-54433-003
SC255	2-3/8"	066-54434-001
SC255	2-5/8"	066-54434-002
SC255	2-7/8"	066-54434-003

TOOL KIT

COMPRESSOR MODEL	PART NO.
SC204	015-01136
SC255	015-01137

OIL (TYPE C)

5 Gal. Can	011-00312
55 Gal. Drum	011-00313

SUBJECT TO CHANGE WITHOUT NOTICE
PRINTED IN U.S.A.

TRI 1M 1182 .25
Form 230.05-RP

Code: S(N) & R(N)
S(N) & R(NP) - Int.

York Division of Borg-Warner Corporation,
P.O. Box 1592, York, Pa. 17405

