

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	120-001-009	HOUSING 887 PRO MACHINED
2	1	120-003-008	887 ENDPLATE[CW DRIVE/CCW NON DRIVE],MACHINED
3	1	120-003-009	887 ENDPLATE[CW NON DRIVE/CCW DRIVE],MACHINED
4	2	120-004-001	GASKET 887 ENDPLATE
5	1	120-005-008	887 ROTOR ASSEMBLY
6	1	120-006	KEY 3/8" X 3/8" X 2"
7	7	120-007-887	VANE 887
8	2	120-009-004	SEAL SLEEVE 887
9	4	120-018-001	SEAL 70 X 85 X 08A VITON SGL LIP
10	1	120-019-001	BEARING BALL 887 DRIVE END
11	1	120-019-002	BEARING ROLLER 887 NON DRIVE END
12	2	120-039-007	GASKET 887 PRO INTAKE/EXHAUST
13	1	120-041-887	CHECK VALVE 887 PRO
14	1	120-042-887	887 CHECK VALVE HOLDER MACHINED
15	1	120-045	SPRING 4-WAY FTR VALVE
16	2	120-053-506	SEAL 45 X 62 X 8 VITON
17	1	120-054-005	COVER BRNGS NON DRIVE END 887
18	1	120-054-006	COVER BRNGS DRIVE END 887
19	2	120-055-001	GASKET 887 BEARING COVER
20	1	120-058	PLUG BRASS HEX HEAD 1/8" NPT
21	1	120-060-002	GRIP, HANDLE W/ LOGO
22	1	120-062-009	PLUG 887 MACHINED
23	2	120-063-506	FLANGE 4-WAY 4" NPT
24	2	120-064-017	O-RING 2-216-VITON
25	1	120-064-030	O-RING SQUARE VITON 436
26	1	120-064-032	O-RING 2-230 VITON
27	1	120-064-035	O-RING 2-266 VITON
28	2	120-064-506	ORING, 2-158 SILICONE
29	1	120-065-009	TOWER 887 MACHINED
30	1	120-068	ORING, 2-252 VITON
31	1	120-070-001	TIN LOWER ROLLED 887
32	1	120-071-001	TIN UPPER ROLLED 887
33	1	120-073-E	FAN COVER 607/866 E-COAT
34	1	120-074-002	FAN SHROUD 887 MACHINED
35	1	120-076	KEY 3/8" X 3/8" X 1"
36	1	120-077-001	SHROUD SUPPORT PLATE 887
37	1	120-079-008	GUARD NVE OIL PUMP 607/887 W/ TAG MOUNT
38	1	120-084-003	FAN ASSY CW 887
39	1	120-090-009	BALLAST MANIFOLD 887
40	1	120-095-003	COVER VALVE BALLAST VALVE MACHINED
41	1	120-095-004	SCREW ADJUSTMENT BALLAST VALVE
42	1	120-095-005	PLUNGER BALLAST VALVE MACHINED
43	1	120-095-006	SEAT VALVE PISTON BALLAST VALVE
44	1	120-095-007	DIAPHRAGM PLATE BALLAST VALVE
45	1	120-095-012	GASKET BALLAST VALVE PROTECTIVE
46	1	120-095-013	HOUSING BALLAST VALVE MACHINED
47	1	120-097-002	GASKET 887 BALLAST MANIFOLD
48	1	120-097-003	GASKET BALLAST VALVE LOWER
49	1	120-097-004	DIAPHRAGM BALLAST VALVE
50	1	120-097-005	COMPRESSION SPRING 1.375 O.D. X 1.041 I.D.
51	1	120-099-506-4	BALLAST FILTER ASSEMBLY, REMOTE
52	1	120-102	VALVE, DRAIN 1/8" NPT
53	1	120-105-887	REV CNAME PLATE SS 607
54	1	120-107-001	SERIAL TAG SS
55	1	120-220	THERMOMETER, 50- 400 DEG, 2" FACE
56	1	120-310-004	COVER, FILTER 887P
57	4	120-312-002	KNOB, 5/16-18UNC
58	1	120-314-005	INTAKE FILTER 887 PRO
59	1	120-320-005	MANIFOLD 887 PRO MACHINED
60	2	120-406-002	WASHER WAVE, 887
61	1	120-645-001	LOCK NUT 887
62	1	123-000-004	OIL PUMP 4 PORT NVE
63	12	123-013-001	WASHER 3/8" SEALING VITON
64	6	123-408-014	BANJO BOLT 1/8" BSPP
65	1	124-360-001	BALLAST SILENCER IN-LINE 887
66	1	150-047-006	PLUG SAE ORB -5 VITON
67	1	150-220-VPOIL-150	OIL VACUUM PUMP R&O ISO 150/SAE 40
68	1	280-355-282	BALLAST VALVE BRACKET, 887 PRO
69	1	320-083-011	CAP OIL PUMP FEED LINE FITTING
70	1	320-407-017	OIL LINE -3 SST FEMALE JIC TO BANJO 8.5"
71	1	320-407-029	OIL LINE -3 SST 90 DEG JIC TO BANJO 37.125"
72	1	320-407-030	OIL LINE -3 SST BANJO TO BANJO 32.00"
73	1	320-407-031	OIL LINE -3 SST BANJO TO BANJO 11.50"
74	1	320-407-038	OIL LINE -4 SST 90 DEG JIC TO FEMALE JIC 22.750"
75	2	320-408-016	FITTING STR -3 MJIC X 1/8 MNPT
76	1	320-408-035	FITTING STR -4 MJIC X 1/8 MNPT
77	1	320-408-036	FITTING ELBOW -4 MJIC X 1/4 MNPT
78	1	320-409-017	P-CLIP 3/8" ID 13/32" HOLE GALV
79	1	320-LF8	DRIVE TAB
80	1	320-R31	GASKET OIL PUMP
82	1	400-026-887	EXTERNAL RETAINING RING, 887
83	1	412-020-003	WASHER, CUP 4-WAY
84	1	412-060-009	HANDLE 4310 ENCLOSED

DECAL LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
400	2	120-100-012	DECAL CLEAN FILTER REGULARY YELLOW
402	2	120-100-053	DECAL, 887 PRO CHALLENGER HD
403	1	120-101-003	DECAL CW ROTATION ARROW

Challenger

Series

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FASTENER LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
300	16	FW - 3/8	FLAT WASHER, 3/8"
301	1	HEX NUT - 3/8 UNF	HEX NUT - 3/8 UNF
302	4	HHCS-1/2-13 UNC X 1.75	HEX HEAD CAP SCREW - 1/2-13 UNC X 1.75
303	1	HHCS-3/8-16 UNC X 0.75	HEX HEAD CAP SCREW - 3/8-16 UNC X 0.75
304	16	HHCS-/8-16 UNC X 1.75	HEX HEAD CAP SCREW - 3/8-16 UNC X 1.75
305	8	HHCS-3/8-16 UNC X 2.25	HEX HEAD CAP SCREW - 3/8-16 UNC X 2.25
306	4	LW - 1/2	LOCK WASHER, 1/2
307	25	LW - 3/8	LOCK WASHER, 3/8
309	3	PLUG - 1/4 NPT SH	SOCKET HEAD PLUG - 1/4 NPT
310	6	PLUG - 1/8 NPT SH	SOCKET HEAD PLUG - 1/8 NPT
311	6	RVT 3/32 D X 1/4L SS	BLIND RIVET, 3/32 DIA X 1/4 GRIP, SS
312	4	SFHCS-1/2-13 UNC X .75	SERRATED FLANGE HEX HEAD SCREW - 1/2-13 UNC X .75
313	9	SFHCS-3/8-16 UNC X .75	SERRATED FLANGE HEX HEAD SCREW - 3/8-16 UNC X .75
314	4	SFHCS-3/8-16 UNC X 1.0	SERRATED FLANGE HEX HEAD SCREW - 3/8-16 UNC X 1.0
315	8	SFHCS-3/8-16 UNC X 1.25	SERRATED FLANGE HEX HEAD SCREW - 3/8-16 UNC X 1.25
316	2	SFHCS-5/16-18 UNC X .75	SERRATED FLANGE HEX HEAD SCREW - 5/16-18 UNC X .75
317	16	SFHCS-5/16-18 UNC X 1.0	SERRATED FLANGE HEX HEAD SCREW - 5/16-18 UNC X 1.0
318	8	SFHCS-5/16-18 UNC X 1.25	SFHCS-5/16-18 x1.25 UNC UNSERR
319	1	SHCS-1/4-20 UNC X .625	SOCKET HEAD CAP SCREW - 1/4-20 UNC X 0.625
320	7	SHCS-1/4-20 UNC X .75	SOCKET HEAD CAP SCREW - 1/4-20 UNC X 0.75
321	2	SHCS-3/8-16 UNC X .50	SOCKET HEAD CAP SCREW - 3/8-16 UNC X 0.50
322	1	SHCS-5-16-24 UNF X 1.25	SHCS - 5/16-24 UNF X 1.25
323	4	SS - 5/16-18 UNC X 2.0	HEXAGON SOCKET SET SCREW - 5/16-18 UNC X 2.0 SS
324	10	TAPSCR - 1_4-14 X .75	HEX HEAD SELF TAPPING SCREW 1/4-14

MAX AIRFLOW - CFM

*MAXIMUM VACUUM

*OPERATING RANGE

HP @ FULL VACUUM

HP REQUIRED @ 20 PSI

PORTING SIZE

SHAFT SIZE (3/8" KEY)

APPROXIMATE WEIGHT

532 CFM

28" HG

1100 RPM

30

33

4"

1 3/4"

620 LBS



NVE

National Vacuum Equipment

Part of Atlas Copco Group



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