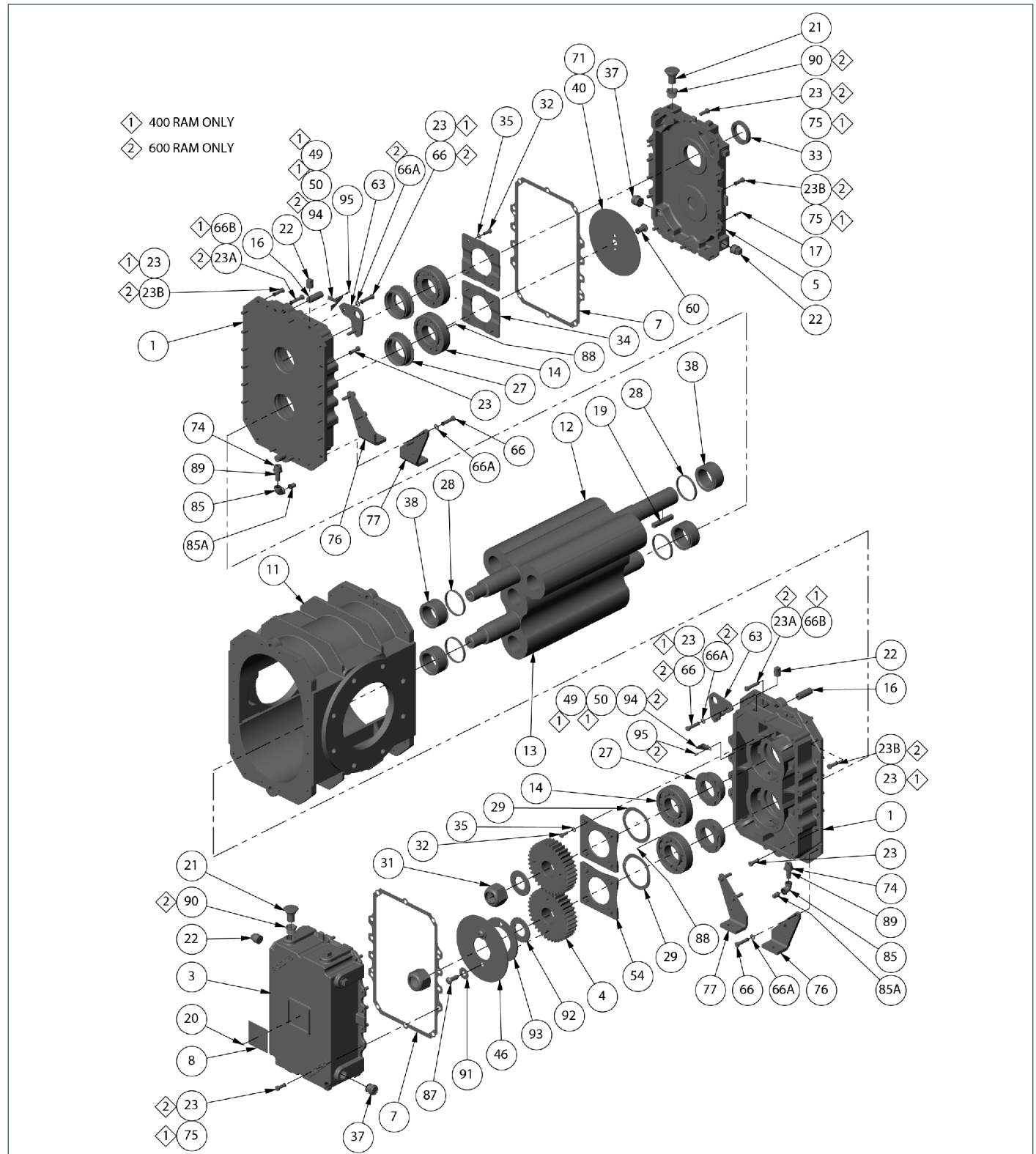


ASSEMBLY DRAWINGS

Standard components shown. Actual component geometry may vary with model.



Assembly of Roots 400 & 600 RAM & RAM-J

RAM, RAM-J, RAM-G, RAM-GJ & RAM-VJ SERIES PARTS LIST - 6" GEAR DIAMETER

Item #	Part name	Part number	Qty.
Non Length Parts 6" RAM, RAM-G, RAM-J, RAM-GJ, RAM-VJ			
1 ²	HEADPLATE	84817023	2
1 ²	HEADPLATE, GAS	84818023	2
2	SPRAY NOZZLE ASSEMBLY	85142020	1
3	GEARBOX	84820023	1
4	GEAR ASSEMBLY	RC-52481021	1
5	END COVER	84819023	1
7	GASKET	84534021	2
8	NAMEPLATE	T20034001	1
10	SHIM SET	52485020	1
14	BEARING, ROLLER	T30055020	4
16	PIN, DOWEL	10531002	4
17	PIN, DOWEL	12917013	2
19	KEY	10805017	1
20	SCREW, SELF-TAPPING	10815002	1
21	BREATHER	T20013004	2
22	PLUG, PIPE	10008029	12
22A	PLUG, PIPE	10008003	3
23	SCREW, HEX HEAD	10019006	20
23A	SCREW, HEX HEAD	10019010	8
23B	SCREW, HEX HEAD	10019005	32
27 ²	LIP SEAL	10460031	4
27 ²	LIP SEAL, MECHANICAL	12903002	4
28	PISTON RING SEAL	12283002	4
29	WASHER, WAVY SPRING	10135006	2
31	NUT, HEX	10319018	2
32	SCREW, HEX HEAD	10012003	16
33	LIP SEAL, DRIVE SHAFT	10460038	1
34	BEARING CLAMP PLATE, DE	T20070021	2
35	WASHER, SPRING LOCK	10049003	16
37	PLUG, SIGHT	12066001	2
38 ²	SLEEVE, PISTON RING	52486020	4
38 ²	SLEEVE, MECHANICAL SEAL	65567020	4
40	SLINGER, DRIVE END	55067020	1
40 ⁴	SLINGER, BOTTOM DRIVE	60580021	1
42	SHAFT ROTATION ARROW	13474000	1
45	NOZ SPRAY ASSY	85142020	1
46	SLINGER, GEAR END	T20027001	1
54	BEARING CLAMP PLATE, GE	84521021	2
60	SCREW, BUTTON HEAD	12800002	1
63	LIFTING LUG	66723020	2
66	SCREW, HEX HEAD	10019009	12
66A	WASHER, SPRING LOCK	10049004	12
71 ⁴	SCREW, SET SOCKET HEAD	10089014	2
74 ³	BUSHING, REDUCING	10067006	2
76	FOOT, RIGHT	84519021	2
77	FOOT, LEFT	84518021	2

Item #	Part name	Part number	Qty.
85 ³	ELBOW, PIPE	10064002	2
85A ³	PLUG, PIPE	10008002	2
87	SCREW, BUTTON HEAD	T20030001	2
88	BALL	T20001001	4
89 ³	NIPPLE, CLOSE	10054002	2
90	BUSHING, REDUCING	10067010	2
91	WASHER, PLAIN	10181004	2
92	WASHER, PLAIN	10181045	2
93	WASHER, OIL SLINGER GE	90181020	1
94	OIL LEADER	T30485020	2
95	SCREW, BUTTON HEAD	10219006	4
Length Parts 612 RAM			
11	CYLINDER 612	RC-205242023	1
12	DRIVE IMPELLER 612	RC-205243023	1
13	DRIVEN IMPELLER 612	RC-205243S23	1
Length Parts 616 RAM, RAM J, RAM VJ			
111	CYLINDER 616	67036023	1
111	CYLINDER 616 J	52472024	1
111	CYLINDER 616 VJ	55884024	1
12	DRIVE IMPELLER 616	85319023	1
13	DRIVEN IMPELLER 616	85319S23	1
Length Parts 624 RAM			
111	CYLINDER 624	62540023	1
111	CYLINDER 624 J	52528024	1
111	CYLINDER 624 VJ	55889024	1
12	DRIVE IMPELLER 624	85320023	1
13	DRIVEN IMPELLER 624	85320S23	1

¹Unit is available in both standard and WHISPAIR (Jet) configurations, confirm model before ordering parts.

²Units are available in both standard and gas configurations, confirm model before ordering parts.

³Items are only available on gas units.

⁴Available for bottom drive.