

# ENGINE Spec Guide **TONS**

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## MOTOR Spec Guide

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ENGINE Spec Guide

The OEM Off-Highway Engine Spec Guide is the industry's first online, interactive component specing tool custom-built for engineers and product development team members to find exactly which engine they need for integration into the next generation of equipment.

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Filter By: hp  Enter value here Unit of Measure: Standard

hp	Disp. (l)	Torque (lb.-ft.)	Fuel	Emissions Certifications	Aftertreatment	Dimensions (in.)			Dry Weight (lb.)	Model	Family/Series	Company
						L	W	H				
1.1	0.03	0.92	G	Tier 3		7.4	6.4	7.8	9.1	GX25	Mini 4-Stroke	Honda Engines
1.3	0.04	1.20	G	Tier 3		9.0	7.6	8.1	10.1	GX35	Mini 4-Stroke	Honda Engines
1.8	0.08	3.3	G	EPA Phase 3		9.4	12.6	11.5	23	79cc	PLMH	Liquid Combustion Technology (LCT)
2.0	0.06	2.1	G	Tier 3		13.0	11.9	9.8	9.5	GX57	GX	Honda Engines
2.1	0.05	2	G	Tier 3		14.5	12.1	8.9	13.9	GX450	GX	Honda Engines
2.1	0.05	2	G	Tier 3		12.5	11.4	9.8	8.9	GX50	GX	Honda Engines
2.8	0.10	4.2	G	Tier 3		26.2	24.0	11.6	16.5	GX100	GX	Honda Engines
3.5	0.12	5.4	G	Tier 3		34.1	28.6	12.0	13	GX120	GX	Honda Engines
3.6	0.12	5.5	G	Tier 3		23.3	22.9	10.2	11.4	GXR120	GX	Honda Engines
4.0	0.14	7.1	G	EPA Phase 3	Catalyst	12.2	14.9	14.3	29.8	136cc	PLMH	Liquid Combustion Technology (LCT)

PUMP Spec Guide

The OEM Off-Highway Pump Spec Guide is the industry's first online, interactive component specing tool custom-built for engineers and product development team members to find exactly which pump they need for integration into the next generation of equipment.

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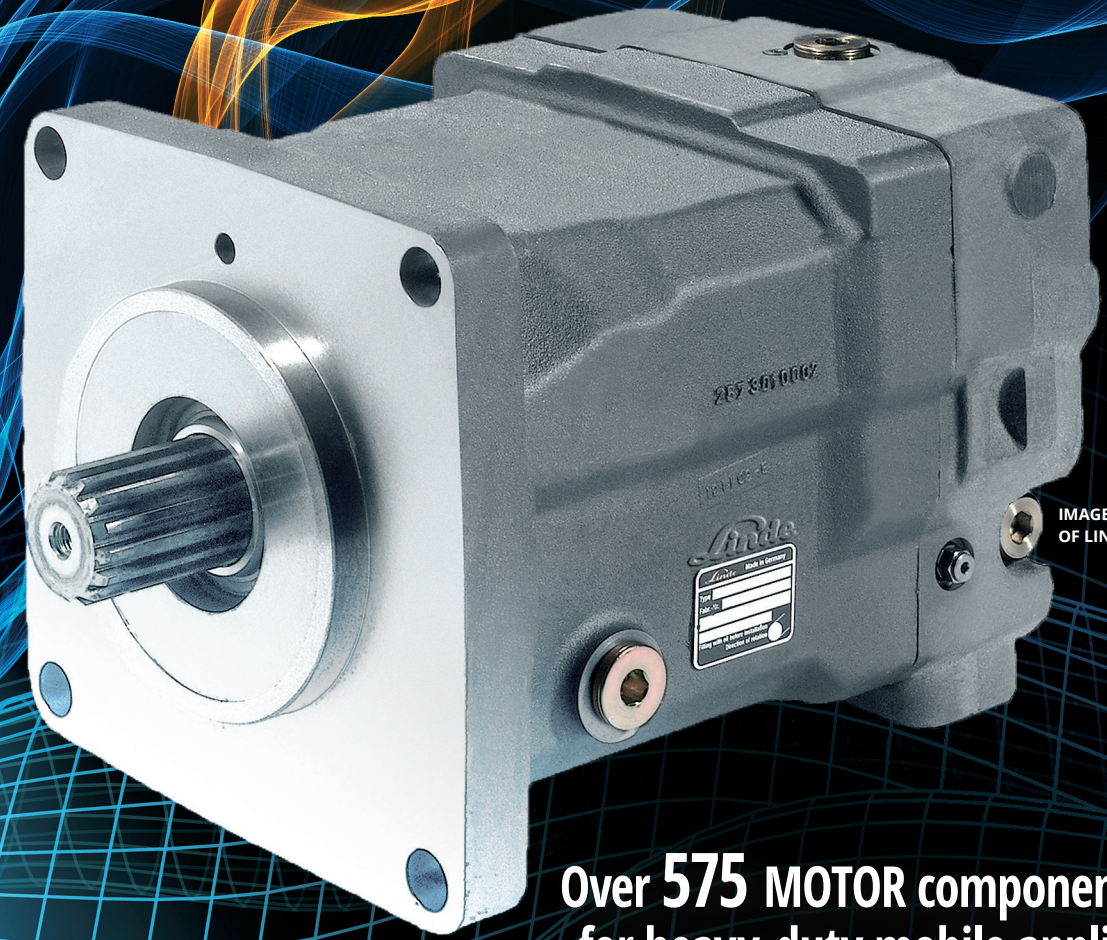
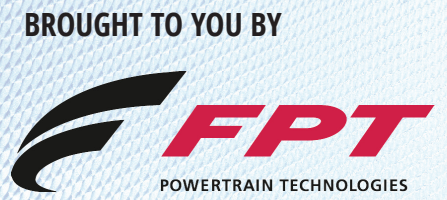


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Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
Yes	no	Fixed Gear Motor	External	1.2	0.073	210	3000	280	4000	800	5000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	1.7	0.103	210	3000	280	4000	650	5000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	2.5	0.152	210	3000	280	4000	650	5000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	3.5	0.213	210	3000	250	3600	650	4000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	4.3	0.262	210	3000	250	3600	550	4000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	4.4	0.269	250	3600	300	4300	600	4000	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
yes	no	gear	fixed displacement	4.5	0.27	270	3915	320	4640		3500	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
yes	yes	F11-005	Fixed Bent Axis	4.9	0.3	350	5075	420	6090	12800	14000	33	291						F11/F12	Parker - Pump & Power Div.
Yes	no	Fixed Gear Motor	External	5	0.305	210	3000	250	3600	500	3500	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
yes	no	gear	fixed displacement	6	0.37	270	3915	320	4640		3500	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
yes	yes	F11-006	Fixed Bent Axis	6	0.37	350	5075	420	6090	10200	11200	41	359	2 Bolt B	3019/2	SAEJ744 taper, 22-3 SAE B,			F11/F12	Parker - Pump & Power Div.
Yes	no	Fixed Gear Motor	External	6.4	0.391	250	3600	300	4300	600	4000	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	6.5	0.396	190	2700	240	3400	500	3000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	Yes	Axial Piston	Swash Plate	7.07-17.84	.43-1.09	300	4351	300	4351	3600	3600	85	755	SAE AA	-	Keyed, Splined	19	0.748	M0	Poclain Hydraulics
Yes	no	Fixed Gear Motor	External	7.8	0.476	180	2600	230	3300	500	3000	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	No	Gerotor	Fixed displacement	8.0 - 50.0	0.50 - 3.08	140	2030	225	3260	1950 - 400	2450 - 500	15 - 88	135 - 780	Threaded Holes	-	Cyl Straight Key, 9T	16	0.625	OML, OMM	Danfoss
Yes	no	Fixed Gear Motor	External	8.4	0.513	250	3600	300	4300	600	4000	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
yes	no	gear	fixed displacement	8.5	0.52	270	3915	320	4640		3500	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
Yes	Yes	Axial Piston	Swash Plate	9.08-20.31	.55-1.24	320	4641	320	4641	3600	3600	103	916	SAE A	-	Keyed, Splined	19	0.748	M1	Poclain Hydraulics
No	Yes	Axial Piston	Fixed displacement	9.8	0.6	350	5076	372	5400	NA	4500	23	207	2-Bolt A	-	SAE-13T, Straight	22.22	0.88	741XX	Eaton
yes	yes	F11-010	Fixed Bent Axis	9.8	0.6	350	5075	420	6090	10200	11200	66	582	2 Bolt B	3019/2	SAEJ744 taper, 22-3 SAE B,			F11/F12	Parker - Pump & Power Div.
Yes	no	Fixed Gear Motor	External	10	0.61	150	2150	200	2900	500	2500	Consult Factory	Consult Factory	2-Bolt AA	NFPA 4F17 4-Bolt	9T 20/40 Spline; 1/2" Keyed; 1:8 Tapered	12.70	0.50	APM100	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	Internal	10	0.61	320	4640	400	5800	1000	5500	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	no	gear	fixed displacement	11	0.67	250	3625	300	4350		3000	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
Yes	no	Fixed Gear Motor	External	11.1	0.677	250	3600	300	4300	500	3500	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	Internal	12	0.73	320	4640	400	5800	1000	5500	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
No	Yes	Axial Piston	Fixed displacement	12.3	0.75	350	5076	372	5400	NA	4500	29	260	2-Bolt A	-	SAE-13T, Straight	22.22	0.88	741XX	Eaton
yes	yes	F11-012	Fixed Bent Axis	12.5	0.76	350	5075	420	6090	9400	10300	83	737	2 Bolt B	3019/2	SAEJ744 taper, 22-3 SAE B,			F11/F12	Parker - Pump & Power Div.
Yes	no	Bent axis	Fixed displacement	12.6	0.77	350	5000	420	6000	4800	5400	8571	75,000	SAE B	-	various	various	various	M60N	HAWE Hydraulics
yes	yes	F11-014	Fixed Bent Axis	14.3	0.87	350	5075	420	6090	9000	9900	95	844	2 Bolt B	3019/2	SAEJ744 taper, 22-3 SAE B, 22-1 SAE B			F11/F12	Parker - Pump & Power Div.
Yes	No	Gear Motor	External	14.4	0.88	241	3500	241	3500	3600	3600	34	301	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	14.4	0.88	241	3500	241	3500	3600	3600	34	301	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek
yes	no	gear	fixed displacement	14.5	0.88	250	3625	300	4350		3000	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
Yes	no	Fixed Gear Motor	External	15.1	0.921	250	3600	300	4300	500	3500	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	15.2	0.928	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	Internal	16	0.98	320	4640	400	5800	1000	5500	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
yes	no	gear	fixed displacement	17	1.04	250	3625	280	4060		3000	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
Yes	no	Bent axis	Fixed displacement	17	.279 - 3.91	350	5000	420	6000	4800	5400	8571	75,000	SAE B	-	various	various	various	M60N	HAWE Hydraulics
Yes	No	Axial Piston	Variable Displacement	18.2 - 54.73	1.11 - 3.34	420	6091	450	7252		4400 / 5300	366	3239	2 Bolt-C, CC	-	21T			HMV	Eaton
yes	yes	F11-019	Fixed Bent Axis	19	1.16	350	5075	420	6090	8100	8900	127	1125	2 Bolt B	N/A	SAEJ744 taper, 22-3 SAE B, 22-1 SAE B			F11/F12	Parker - Pump & Power Div.
Yes	no	Fixed Gear Motor	External	19.1	1.166	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	19.2	1.172	210	3000	260	3700	500	3000	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
yes	no	gear	fixed displacement	19.5	1.19	210	3045	250	3625		3000	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondiolli & Pavesi
Yes	no	Fixed Gear Motor	Internal	20	1.22	320	4640	400	5800	800	5000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
No	Yes	Axial piston	Variable displacement	20	1.22	300	4350	345	5000	4000	4500	NA	N/A	2-bolt B		13T, Keyed	22	0.875	DDC 20	Daikin-Sauer-Danfoss
Yes	No	Axial Piston	Fixed displacement	20.3	1.24	350	5076	372	5400	NA	3600	62	548	2-Bolt A	-	SAE-13T, Straight	22.22	0.88	741XX	Eaton
Yes	No	Axial Piston	Variable Displacement	20.48 - 40.64	20.48 - 40.64	350	5076	372	5400	NA	3600 / 4500	190	1679	2-Bolt B	-	SAE- 13T, 15T			72450	Eaton
Yes	No	Gear Motor	External	20.8	1.27	241	3500	241	3500	3600	3600	49	434	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	20.8	1.27	241	3500	241	3500	3600	3600	49	434	A;B	N/A	A/B/spline/straight/custum	N/A	0.625/0.75/0.875	MCX	Geartek
Yes	No	Axial Piston	Variable Displacement	21 - 40.64	1.28 - 2.48	345	5000	372	5400	NA	3600 / 4500	127	1125	2-Bolt B	-	SAE- 13T, 15T			71392	Eaton
Yes	Yes	Axial Piston	Swash Plate	21.05-49.06	1.28-2.99	315	4569	315	4569	3600	3600	245	2175	SAE B, SAE BB	-	Keyed, Splined	19	0.748	M2	Poclain Hydraulics

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	no	gear	fixed displacement	21.5	1.31	220	3190	310	4495		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	21.5	1.31	280	4060	310	4495		3000	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondioli & Pavesi
Yes	no	Fixed Gear Motor	External	22.2	1.355	180	2600	230	3300	500	3000	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	22.2	1.355	220	3150	260	3700	500	3000	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	23	1.403	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	No	Axial Piston	Variable Displacement	24.42 - 49.1	1.49 - 3.0	280	4060	310	4500	NA	3600 / 4500	190	1679	2-Bolt B	-	SAE- 13T, 15T			72450	Eaton
Yes	No	Axial Piston	Fixed displacement	24.6, 29.5, 33	1.5, 1.8, 2.01	345	5000	372	5400	NA	3600	92	816	2-Bolt B	-	SAE-13T, 15T, Straight	22.22, 28.57	0.875, 1.125	743XX	Eaton
Yes	no	Fixed Gear Motor	Internal	25	1.53	320	4640	400	5800	800	5000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
Yes	Yes	Axial piston	Fixed displacement	25	1.5	345-380	5000-5511	385-415	5584-6019	3300-4000	4100-5000	154-292	1363-2585	2-bolt B		13T, 15T, Tapered, Keyed	20, 22, 25	.80, .875, 1.0	S40 MF	Danfoss
yes	no	M5AS/M5ASF	Fixed Vane	25	1.5	280	4060	300	4350	5000	6000	119	1057	2-Bolt A or 2-Bolt Special		Keyed taper SAE B, Keyed SAE B, Keyed taper 1/5			M5A	Parker - Pump & Power Div.
yes	no	M5AS/M5ASF	Fixed Vane	25	1.5	280	4060	300	4350	5000	6000	119	1057	2-Bolt A or 2-Bolt Special		Keyed taper SAE B, Keyed SAE B, Keyed taper 1/5			M5A	Parker - Pump & Power Div.
Yes	Yes	Axial piston	Variable Two Position	25 - 45	1.5-2.75	300-400	4350-5800	325-420	4715-6090	3400-3600	3900-4300	168-252	1487-2230	SAE B and Cartridge		13T, 15T, Tapered, Keyed	22, 25	.875, 1.0	L & K	Danfoss
Yes	No	Axial piston	Variable Two Position	25 - 45	1.5-2.75	300-400	4350-5800	325-420	4715-6090	3400-3600	3900-4300	168-252	1487-2230	SAE B and Cartridge		13T, 15T, Tapered, Keyed	22, 25	.875, 1.0	RDM	Danfoss
Yes	No	Axial Piston	Variable displacement	25 - 147	1.53-8.97	210-310	3045-4495	300-400	4350-5800	2100-3200	2475-3600	N/A	N/A	2-Bolt B, 2-Bolt C, 4-Bolt C	-	13T, 14T, 15T, 17T, Keyed, Tapered	Spline: 22, 25, 32, 38, 44 - Keyed: 22.2, 31.72, 35.19, 38.08	Spline: 0.875, 1.0, 1.25, 1.5, 1.75 - Keyed: 0.875, 1.25, 1.385, 1.5	Series 45	Danfoss
Yes	Yes	Gerotor	Fixed displacement	25.0 - 389.2	1.53 - 23.82	75 - 200	1090 - 2900	160 - 225	2320 - 3260	1050 - 150	1270 - 190	70 - 870	617 - 7700	2-Bolt A, 4-Bolt Square, Wheel	-	Keyed, 13T, 6B, Tapered	25, 32, 35	1.0, 1.25	OMPX, DH	Danfoss
Yes	Yes	Geroller	Fixed displacement	25.0 - 389.2	1.53 - 23.82	138 - 200	2000 - 2900	172 - 225	2500 - 3260	1050 - 150	1270 - 190	76 - 870	670 - 7700	2-Bolt A, 4-Bolt Square, Wheel	-	Keyed, 13T, 6B, Tapered	25, 32, 36	1.0, 1.25	OMRX, DS, OMEW, OMH	Danfoss
Yes	No	Axial Piston	Variable Displacement	25.24 - 75.87	1.54 - 4.63	420	6091	450	7252		4100 / 5000	508	4496	2 Bolt-C, CC	-	21T, SAE-14T			HMV, HMR^^	Eaton
Yes	no	Bent axis	Fixed displacement	25.4	1.55	350	5000	420	6000	4800	5400	8571	75,000	SAE B	-	various	various	various	M60N	HAWE Hydraulics
yes	no	gear	fixed displacement	26	1.59	210	3045	300	4350		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	26	1.59	180	2610	210	3045		2500	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondioli & Pavesi
yes	no	gear	fixed displacement	26	1.59	280	4060	310	4495		3000	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondioli & Pavesi
Yes	no	Fixed Gear Motor	External	26.2	1.599	170	2500	220	3150	500	2800	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.
Yes	no	Fixed Gear Motor	External	26.2	1.599	200	2850	250	3600	500	2800	Consult Factory	Consult Factory	2-Bolt A, 2-Bolt B	-	9T 16/32 Spline; 5/8" Keyed; 1:8 Tapered	16.00	0.63	APM212	Bucher Hydraulics, Inc.

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
Yes	no	Fixed Gear Motor	External	26.4	1.611	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	No	Gear Motor	External	27.2	1.66	241	3500	241	3500	3400	3400	64	569	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	27.2	1.66	241	3500	241	3500	3400	3400	64	569	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek
Yes	No	Axial Piston	Fixed displacement	28.5	1.74	420	6091	450	7252	4500	4800	191	1690	2 Bolt-B	-	SAE-15T			HMF	Eaton
yes	yes	HMF028	Axial Piston, Fixed Displacement	28.6	1.75	450	6525	500	7250	4500	4800	196	1734.6	SAR B	ISO 3019-1 101-2	SAE J744 B-B	24.98	0.983	2	Linde Hydraulics
Yes	no	Fixed Gear Motor	External	29.3	1.788	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
yes	yes	F12-030	Fixed Bent Axis	30	1.83	420	6090	480	6960	6700	7300	229	2028	2 or 4 bolt SAE B	3019/2	22-3 SAE B, 22-1 SAE B			F11/F12	Parker - Pump & Power Div.
yes	no	gear	fixed displacement	30.5	1.86	210	3045	280	4060		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	30.5	1.86	260	3770	300	4350		3000	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	31	1.89	150	2175	190	2755		2500	22.48 - 93.63	199 - 828.7	SAE A		Tapered (1:8) D15 European Parallel SAE A Parallel SAE A 9T DIN 5482 Splined	12 15 15.85 15.45 16.5	0.472 0.591 0.624 0.608 0.65	HPG Group 2	Bondioli & Pavesi
Yes	no	Fixed Gear Motor	Internal	32	1.95	320	4640	400	5800	800	5000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	APM250	Bucher Hydraulics, Inc.
Yes	No	Gear Motor	External	32.1	1.96	241	3500	241	3500	3300	3300	76	669	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	32.1	1.96	241	3500	241	3500	3300	3300	76	669	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek
Yes	no	Fixed Gear Motor	External	33.2	2.026	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	no	Bent axis	Fixed displacement	34.2	2.09	350	5000	420	6000	4800	5400	8571	75,000	SAE B	-	various	various	various	M60N	HAWE Hydraulics
Yes	No	Axial Piston	Variable Displacement	34.9 - 104.9	2.13 - 6.4	420	6091	450	7252		3800 / 4700	702	6213	2 Bolt-C, CC	-	23T, SAE-14T			HMV, HMR	Eaton
Yes	Yes	Axial piston	Fixed displacement	35	2.14	345-380	5000-5511	385-415	5584-6019	3300-4000	4100-5000	154-292	1363-2585	2-bolt B		13T, 15T, Tapered, Keyed	20, 22, 25	.80, .875, 1.0	S40 MF	Danfoss
No	Yes	Axial piston	Variable displacement	35	2.14	345-380	5000-5511	385-415	5584-6019	3300-4000	4100-5000	NA	N/A	2-bolt B		13T, 15T, Tapered, Keyed	20, 22, 25	.80, .875, 1.0	S40 PV	Danfoss
Yes	No	Axial Piston	Fixed displacement	35.56	2.17	420	6091	450	7252	4500	4800	238	2106	2 Bolt-B	-	SAE-15T			HMF	Eaton
yes	yes	HMF035	Axial Piston, Fixed Displacement	35.6	2.17	450	6525	500	7250	4500	4800	244	2159.4	SAE B	ISO 3019-1 101-2	SAE J744 B-B	24.98	0.983	2	Linde Hydraulics
yes	no	gear	fixed displacement	36	2.2	210	3045	280	4060		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	36	2.2	260	3770	300	4350		3000	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondioli & Pavesi
yes	yes	Geroller	Fixed Displacement	36 - 392	2.2 - 24.0	45 - 86	650 - 1250	66 - 121	950 - 1750	144 - 902	144 - 902	44 - 296	393 - 2622	2-Bolt SAE A, 4-Bolt Square		one inch keyed, 6B Spline	25.4	1	TC	Parker - Pump & Motor Div.
yes	yes	Geroller	Fixed Displacement	36 - 392	2.2 - 24.0	83 - 125	1200 - 1800	100 - 165	1450 - 2400	143 - 932	143 - 932	67 - 525	596 - 4642	2-Bolt SAE A, 4-Bolt Square, 2-Bolt SAE B		keyed, 6B Spline, tapered, keyed long, 7/8-13 spline SAE B, 3/8 inch crosshole	25.4	1	TB	Parker - Pump & Motor Div.
yes	yes	Geroller	Fixed Displacement	36 - 392	2.2 - 24.0	41 - 125	600 - 1800	41 - 165	600 - 2400	143 - 932	143 - 932	67 - 226	596 - 2000	4-Bolt Square Stainless Steel		keyed Stainless Steel	25.4	1	TS	Parker - Pump & Motor Div.
yes	yes	Geroller	Fixed Displacement	36 - 392	2.2 - 24.0	85 - 140	1233 - 2030	120 - 190	1740 - 2750	191 - 1141	191 - 1141	71.1 - 628	630 - 5562	2-Bolt SAE A, 4-Bolt Square, 2-Bolt SAE A Long Pilot, 4-Bolt Wheel Mount		keyed, 6B Spline, tapered, keyed long, 25mm keyed	25.4	1	TE	Parker - Pump & Motor Div.

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes	Geroller	Fixed Displacement	36 - 392	2.2 - 24.0	85 - 140	1233 - 2030	120 - 190	1740 - 2750	191 - 1141	191 - 1141	71.1 - 628	630 - 5562	4-Bolt Wheel Mount		tapered	31.75	1 1/4	TJ	Parker - Pump & Motor Div.
Yes	no	Fixed Gear Motor	External	36.1	2.203	300	4300	320	4600	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	No	Gear Motor	External	36.7	2.24	207	3000	207	3000	3100	3100	87	769	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	36.7	2.24	207	3000	207	3000	3100	3100	87	769	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek
Yes	no	Fixed Gear Motor	Internal	40	2.44	320	4640	400	5800	600	4600	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
yes	yes	F12-040	Fixed Bent Axis	40	2.44	420	6090	480	6960	6100	6700	306	2704	2 or 4 Bolt SAE C	3019/2	32-4 SAE C, 32-1 SAE C			F11/F12	Parker - Pump & Power Div.
Yes	no	Fixed Gear Motor	External	40.5	2.471	275	4000	290	4200	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
Yes	No	Axial Piston	Fixed displacement	40.64	2.48	345	5000	372	5400	NA	3600	115	1019	2-Bolt B	-	SAE-13T, 15T, Straight	22.22, 28.57	0.875, 1.125	743XX	Eaton
yes	no	gear	fixed displacement	41.5	2.53	210	3045	280	4060		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	41.5	2.53	220	3190	300	4350		3000	197.9 - 238.1	1752 - 2107			Tapered (1:8) European Parallel DIN 5482 Splined	16 22 24.5	0.63 0.866 0.965	HPL Group 4	Bondioli & Pavesi
yes	no	gear	fixed displacement	41.5	2.53	260	3770	280	4060		3000	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondioli & Pavesi
No	Yes	Axial piston	Variable displacement	44	2.65	345-380	5000-5511	385-415	5584-6019	3300-4000	4100-5000	NA	N/A	2-bolt B		13T, 15T, Tapered, Keyed	20, 22, 25	.80, .875, 1.0	S40 PV	Danfoss
Yes	Yes	Axial piston	Fixed displacement	44	2.65	345-380	5000-5511	385-415	5584-6019	3300-4000	4100-5000	154-292	1363-2585	2-bolt B		13T, 15T, Tapered, Keyed	20, 22, 25	.80, .875, 1.0	S40 MF	Danfoss
yes	no	M5BS/M5BF	Fixed Vane	45	2.7	290	4205	320	4640	4000	6000	229	2029	2-Bolt B or 2-Bolt Special		Spline SAE B, Spline SAE BB, Keyed cyl. SAE B, Keyed taper non SAE, Keyed cyl. SAE C			M5B	Parker - Pump & Power Div.
yes	no	M5BS/M5BF	Fixed Vane	45	2.7	290	4205	320	4640	4000	6000	229	2029	2-Bolt B or 2-Bolt Special		Spline SAE B, Spline SAE BB, Keyed cyl. SAE B, Keyed taper non SAE, Keyed cyl. SAE C			M5B	Parker - Pump & Power Div.
No	Yes	Axial piston	Variable displacement	45 - 250	2.75-15.26	450	6625	480	7000	2600-3400	2800-3500	N/A	N/A	SAE B through SAE E		13T, 14T,15T, 17T, 21T, 23T,27T	22,25,32,35,38,44	.875,1.0,1.25, 1.375,1.5,1.75	H1P	Danfoss
Yes	No	Axial Piston	Variable Displacement	45.22 - 135.5	2.76 - 8.27	420	6091	450	7252		3500 / 4000	907	8027	2 Bolt-D	-	27T, SAE-13T			HMV, HMR	Eaton
Yes	no	Fixed Gear Motor	External	45.3	2.764	245	3500	260	3700	500	3500	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.
No	Yes	Axial piston	Variable displacement	46	2.8	345	5000	385	5585	4000	4100	NA	N/A	2-bolt B		13T, 15T, Tapered, Keyed	20, 22, 25	.80, .875, 1.0	M46	Danfoss
yes	no	gear	fixed displacement	46.5	2.84	180	2610	270	3915		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondioli & Pavesi
yes	no	gear	fixed displacement	46.5	2.84	250	3625	280	4060		3000	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondioli & Pavesi
Yes	no	Bent axis	Fixed displacement	47.1	2.87	350	5000	420	6000	4000	4700	8571	75,000	SAE C	-	various	various	various	M60N	HAWE Hydraulics
Yes	No	Gear Motor	External	48.1	2.93	172	2500	172	2500	2800	2800	113	1003	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	48.1	2.93	172	2500	172	2500	2800	2800	113	1003	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek
Yes	No	Gear Motor	External	48.8	2.98	172	2500	172	2500	2500	2500	119	1050	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	48.8	2.98	172	2500	172	2500	2500	2500	119	1050	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
Yes	No	Axial Piston	Fixed displacement	49.1	3	315	4570	345	5000	NA	3000	138	1225	2-Bolt B	-	SAE-13T, 15T, Straight	22.22, 28.57	0.875, 1.125	743XX	Eaton
Yes	Yes	Axial Piston	Swash Plate	49.57 - 64.60	3.02-3.94	350	5076	320	5076	3600	3600	360	3185	SAE B, SAE BB	-	Keyed, Splined	19	0.748	M3	Poclair Hydraulics

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company	
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches			
yes	no	gear	fixed displacement	50	3.05	270	3915	310	4495		3000	246.5 - 403	2182 - 3567	SAE C - 2 & 4 bolt		SAE C 14T	31.2	1.23	HPG Group 4	Bondoli & Pavesi	
Yes	no	Fixed Gear Motor	Internal	50	3.05	320	4640	400	5800	600	4600	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.	
Yes	no	Fixed Gear Motor	External	50.2	3.063	220	3200	235	3400	500	3000	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.	
yes	no	gear	fixed displacement	50.5	3.08	180	2610	270	3915		3000	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondoli & Pavesi	
yes	no	gear	fixed displacement	50.5	3.08	190	2755	280	4060		3000	197.9 - 238.1	1752 - 2107			Tapered (1:8) European Parallel DIN 5482 Splined	16 22 24.5	0.63 0.866 0.965	HPL Group 4	Bondoli & Pavesi	
yes	no	gear	fixed displacement	50.5	3.08	240	3480	270	3915		2750	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondoli & Pavesi	
Yes	No	Axial Piston	Fixed displacement	51.3	3.13	420	6091	450	7252	4100	4400	334	2956	2 Bolt-C	-	21T			HMF	Eaton	
Yes	no	Fixed Gear Motor	External	54	3.295	205	3000	220	3200	500	3000	Consult Factory	Consult Factory	2-Bolt B	-	13T 16/32 Spline; 3/4" Keyed; 1:8 Tapered	19.05	0.75	APM250	Bucher Hydraulics, Inc.	
yes	yes	HMF055	Axial Piston, Fixed Displacement	54.7	3.34	450	6525	500	7250	4300	4400	374	3309.9	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics	
yes	yes	HMV055	Axial Piston, Variable Displacement	54.7	3.34	450	6525	500	7250	4300/4700	4400/5300	374	3309.9	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics	
Yes	Yes	Axial piston	Fixed displacement	55	3.56	450	6527	480	6962	3900	4250	396	292	SAE, Cartridge	-	21T, 14T, Tapered Shaft	-	-	Series 90	Danfoss	
Yes	Yes	Axial piston	Fixed displacement	55 - 130	3.35-7.99	420	6000	480	7000	3100-3900	3400-4250	370-870	3688-8769	SAC and Cartridge		13T, 14T, 17T, 19T, 21T, 23T,27T,Keyed,	32,35,37,44	1.2,1.35,1.48, 1.625, 1.73	Series 90	Danfoss	
Yes	No	Axial Piston	Variable Displacement	55.22 - 165	3.37 - 10.07	420	6091	450	7252		3400 / 3900	1,104	9771	2 Bolt-D	-	27T, SAE-13T			HMV, HMR	Eaton	
yes	no	gear	fixed displacement	55.5	3.39	170	2465	230	3335		2500	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondoli & Pavesi	
yes	no	gear	fixed displacement	55.5	3.39	220	3190	250	3625		2750	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondoli & Pavesi	
Yes	No	Gear Motor	External	57.5	3.51	Consult Factory	Consult Factory	Consult Factory	Consult Factory	2500	2500	136	1203	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek	
Yes	No	Gear Motor	Internal relief	57.5	3.51	Consult Factory	Consult Factory	Consult Factory	Consult Factory	2500	2500	136	1203	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek	
yes	yes	F12-060	Fixed Bent Axis	59.8	3.65	420	6090	480	6960	5300	5800	457	4045	2 or 4 Bolt SAE C	3019/2	32-4 SAE C, 32-1 SAE C			F11/F12	Parker - Pump & Power Div.	
Yes	Yes	Bent Axis	Variable displacement	60	3.66	450	6527	480	6962	5900	7250	432	279.84	SAE, DIN and Cartridge	-	14T, 21T	DIN 5480; W30; W35	-	-	H1B	Danfoss
yes	yes	V12-060	Variable bent axis	60	3.66	420	6090	480	6960	3600	7000	458	4056	4 bolt SAE C	3019/2	32-4 SAE C			V12/V14	Parker - Pump & Power Div.	
Yes	Yes	Bent axis	Variable displacement	60 - 250	3.66-15.26	450	6625	480	7000	2200-3600	2800-4500	460-1910	4057-16885	SAE DIN and Cartridge		13T, 14T, 17T, 21T, 23T,27T	32,35,37,44	1.2,1.35,1.48, 1.625, 1.73	H1B	Danfoss	
yes	no	gear	fixed displacement	61	3.72	150	2175	200	2900		2500	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondoli & Pavesi	
yes	no	gear	fixed displacement	61	3.72	160	2320	200	2900		2500	197.9 - 238.1	1752 - 2107			Tapered (1:8) European Parallel DIN 5482 Splined	16 22 24.5	0.63 0.866 0.965	HPL Group 4	Bondoli & Pavesi	

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	no	gear	fixed displacement	61	3.72	200	2900	220	3190		2500	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondiolli & Pavesi
yes	no	gear	fixed displacement	63	3.84	270	3915	310	4495		3000	246.5 - 403	2182 - 3567	SAE C - 2 & 4 bolt		SAE C 14T	31.2	1.23	HPG Group 4	Bondiolli & Pavesi
Yes	no	Fixed Gear Motor	Internal	63	3.84	320	4640	400	5800	600	4600	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
yes	yes	axial piston	fixed	63	3.84	314	4553	345	5002.5	3000		3779	2787	yes	no	C			K3X	Kawasaki
yes	yes	HMF063	Axial Piston, Fixed Displacement	63	3.84	450	6525	500	7250	3900	4200	431	3814.35	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
Yes	no	Bent axis	Fixed displacement	63.5	3.88	350	5000	420	6000	4000	4700	8571	75,000	SAE C	-	various	various	various	M60N	HAWE Hydraulics
Yes	No	Axial Piston	Fixed & Variable Displacement	63.74	3.89	414	6000	483	7000	NA	4160 / 5380	3511	31075	4-Bolt C	-	SAE-14T, 21T, 23T, 27T, Tapered			Series 1	Eaton
Yes	No	Axial Piston	Fixed & Variable Displacement	63.74	3.89	414	6000	483	7000	NA	4160 / 5380	3511	31075	4-Bolt C	-	Straight	38.1	1.50	Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	63.74	3.89	414	6000	483	7000	NA	4160 / 5380	3511	31075	4-Bolt C	-	SAE-14T, 21T, 23T, 27T			Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	63.74	3.89	414	6000	483	7000	NA	4160 / 5380	3511	31075	4-Bolt C	-	Straight, Tapered	38.1	1.50	Series 1	Eaton
Yes	No	Gear Motor	External	63.9	3.9	Consult Factory	Consult Factory	Consult Factory	Consult Factory	2200	2200	151	1337	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	RPMC	Geartek
Yes	No	Gear Motor	Internal relief	63.9	3.9	Consult Factory	Consult Factory	Consult Factory	Consult Factory	2200	2200	151	1337	A;B	N/A	A/B/spline/straight/custom	N/A	0.625/0.75/0.875	MCX	Geartek
yes	yes	axial piston	fixed	64	3.90	294	4263	343	4973.5	2200		3594	2651	no	no	JIS			M2X	Kawasaki
Yes	No	Gear Motor	External	65.1	3.97	172	2500	172	2500	2500	2500	162	1430	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	65.1	3.97	172	2500	172	2500	2500	2500	162	1430	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
Yes	No	Axial Piston	Variable Dual Motor	66.86 - 269.9	4.08 - 16.47	420	6091	450	7252		3500 / 4000	1,803	15958	2 Bolt-D	-	27T			HMV -135D^^^	Eaton
Yes	No	Axial Piston	Variable Displacement	70 - 210	4.27 - 12.81	420	6091	450	7252		3000 / 3500	1,404	12426	4 Bolt-E	-	27T, SAE-15T			HMV, HMR	Eaton
yes	no	gear	fixed displacement	71	4.33	250	3625	300	4350		3000	246.5 - 403	2182 - 3567	SAE C - 2 & 4 bolt		SAE C 14T	31.2	1.23	HPG Group 4	Bondiolli & Pavesi
yes	no	gear	fixed displacement	72	4.39	140	2030	180	2610		2500	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondiolli & Pavesi
yes	no	gear	fixed displacement	72	4.39	150	2175	180	2610		2500	197.9 - 238.1	1752 - 2107			Tapered (1:8) European Parallel DIN 5482 Splined	16 22 24.5	0.63 0.866 0.965	HPL Group 4	Bondiolli & Pavesi
yes	no	gear	fixed displacement	72	4.39	190	2755	220	3190		2500	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondiolli & Pavesi
Yes	Yes	Axial piston	Fixed displacement	75	4.58	450	6527	480	6962	3600	3950	540	398	SAE, Cartridge	-	21T, 14T, Tapered Shaft	-	-	Series 90	Danfoss
Yes	No	Axial Piston	Fixed & Variable Displacement	75.2	4.59	414	6000	483	7000	NA	4160 / 5380	4149	36722	4-Bolt C	-	SAE-14T, 21T, 23T, 27T, Tapered			Series 1	Eaton
Yes	No	Axial Piston	Fixed & Variable Displacement	75.2	4.59	414	6000	483	7000	NA	4160 / 5380	4149	36722	4-Bolt C	-	Straight	38.1	1.50	Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	75.2	4.59	414	6000	483	7000	NA	4160 / 5380	4149	36722	4-Bolt C	-	SAE-14T, 21T, 23T, 27T			Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	75.2	4.59	414	6000	483	7000	NA	4160 / 5380	4149	36722	4-Bolt C	-	Straight, Tapered	38.1	1.50	Series 1	Eaton
Yes	No	Axial Piston	Fixed displacement	75.87	4.63	420	6091	450	7252	3800	4100	508	4496	2 Bolt-C	-	21T, SAE-14T			HMF	Eaton
yes	yes	HMF075	Axial Piston, Fixed Displacement	75.9	4.63	450	6525	500	7250	3800	4100	519	4593.15	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
yes	yes	HMR075	Axial Piston, System Pressure Regulated	75.9	4.63	450	6525	500	7250	3800/4400	4100/5000	519	4593.15	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
yes	yes	HMV075	Axial Piston, Variable Displacement	75.9	4.63	450	6525	500	7250	3800/4400	4100/5000	519	4593.15	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics



Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
Yes	no	Fixed Gear Motor	Internal	80	4.88	320	4640	400	5800	600	4000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
yes	yes	axial piston	fixed	80	4.88	314	4553	345	5002.5	3000		4799	3539	yes	no	D			K3X	Kawasaki
Yes	Yes	Bent Axis	Variable displacement	80	4.88	450	6527	480	6962	5300	6600	610	372.96	SAE, DIN and Cartridge	-	14T, 21T, 23T	DIN 5480; W35; W40	-	H1B	Danfoss
yes	yes	V12-080	Variable bent axis	80	4.88	420	6090	480	6960	3100	6250	611	5408	4 bolt SAE C	3019/2	32-4 SAE C			V12/V14	Parker - Pump & Power Div.
yes	yes	F12-080	Fixed Bent Axis	80.4	4.91	420	6090	480	6960	4800	5300	615	5442	4 bolt C, 4 Bolt D	3019/2	32-4, 38-4, and 38-1 SAE C, 44-4 and 44-1 SAE D			F11/F12	Parker - Pump & Power Div.
yes	no	gear	fixed displacement	80.5	4.91	230	3335	300	4350		3000	246.5 - 403	2182 - 3567	SAE C - 2 & 4 bolt		SAE C 14T	31.2	1.23	HPG Group 4	Bondoli & Pavesi
Yes	Yes	Geroller	Fixed displacement	80.5 - 801.8	4.91 - 48.93	230 - 350	3340 - 5075	300 - 420	4340 - 6090	810 - 250	1000 - 300	310 - 4020	2740 - 35580	2-Bolt A, 4-Bolt Square, Magneto, Short, Ultra- Short, Wheel	-	Keyed, 13T, 14T, 17T, 19T, 21T, 33T 6B, Tapered, PTO	32, 40, 50	1.0, 1.25, 1.5, 2.125, 2.25	OMS, OMT, OMV, TMK, TMT, TMV	Danfoss
yes	yes	Geroller	Fixed Displacement	81 - 477	4.9 - 29.1	113 - 207	1645 - 3000	138 - 276	2000 - 4000	195 - 693	195 - 693	296 - 851	2621 - 7528	4-Bolt SAE A, 4-Bolt Wheel Mount, 2-Bolt SAE A, 2-Bolt SAE B, 6-Bolt A, 4-Bolt Wheel Mount Brake Nose, SAE 4-Bolt		6B spline, keyed, straight keyed, taper, 14 tooth spline, 19 tooth spline, 15 tooth spline, 13 tooth spline	25.4 - 31.75	1 - 1 1/4	TF	Parker - Pump & Motor Div.
Yes	No	Gear Motor	External	81.4	4.97	172	2500	172	2500	2500	2500	205	1810	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	81.4	4.97	172	2500	172	2500	2500	2500	205	1810	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
Yes	No	Axial Piston	Fixed displacement	82.6	5.04	250	3626	270	3900	NA	1500	280	2481	2-Bolt B	-	SAE- 13T, 15T, Straight	25.4	1.00	74624, 74644	Eaton
Yes	no	Bent axis	Fixed displacement	83.6	5.1	350	5000	420	6000	3400	3800	8571	75,000	SAE C / D^2	-	various	various	various	M60N	HAWE Hydraulics
yes	yes	axial piston	variable	85	5.19	400	5800	450	6525	3900	6150	6495	4790	yes	yes	SAE & ISO			M7V	Kawasaki
yes	yes	axial piston	fixed	85	5.19	400	5800	450	6525	3900	6150	6495	4790	yes	yes	SAE & ISO			M7V	Kawasaki
yes	yes	HMR085	Axial Piston, Fixed Displacement	85.6	5.22	450	6525	500	7250	3600	3850	586	5186.1	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
yes	yes	HMR105	Axial Piston, System Pressure Regulated	85.6	5.22	450	6525	500	7250	3700/2100	3800/4700	719	6363.15	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
yes	no	gear	fixed displacement	88	5.37	110	1595	170	2465		2500	105.9 - 238.1	937.2 - 2107	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.806	0.98 0.55 0.787 0.874 0.846 0.859	HPL Group 3	Bondoli & Pavesi
yes	no	gear	fixed displacement	88	5.37	120	1740	170	2465		2500	197.9 - 238.1	1752 - 2107			Tapered (1:8) European Parallel DIN 5482 Splined	16 22 24.5	0.63 0.866 0.965	HPL Group 4	Bondoli & Pavesi
yes	no	gear	fixed displacement	88	5.37	180	2610	200	2900		2500	105.9 - 280.1	937.2 - 2479	SAE B		SAE BB 15T Tapered (1:8) European Parallel SAE B Parallel DIN 5482 Splined SAE B 13T	25 14 20 22.2 21.5 21.81	0.98 0.55 0.787 0.874 0.846 0.86	HPG Group 3	Bondoli & Pavesi
Yes	No	Axial Piston	Fixed & Variable Displacement	89.1	5.44	414	6000	483	7000	NA	3720 / 4810	4916	43510	4-Bolt C	-	SAE-14T, 21T, 23T, 27T, Tapered			Series 1	Eaton
Yes	No	Axial Piston	Fixed & Variable Displacement	89.1	5.44	414	6000	483	7000	NA	3720 / 4810	4916	43510	4-Bolt C	-	Straight	38.1	1.50	Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	89.1	5.44	414	6000	483	7000	NA	3720 / 4810	4916	43510	4-Bolt C	-	SAE-14T, 21T, 23T, 27T			Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	89.1	5.44	414	6000	483	7000	NA	3720 / 4810	4916	43510	4-Bolt C	-	Straight, Tapered	38.1	1.50	Series 1	Eaton
yes	yes	axial piston	fixed	90	5.49	314	4553	345	5002.5	3000		5398	3981	yes	no	D			K3X	Kawasaki
yes	no	gear	fixed displacement	90.5	5.52	210	3045	280	4060		2700	246.5 - 403	2182 - 3567	SAE C - 2 & 4 bolt		SAE C 14T	31.2	1.23	HPG Group 4	Bondoli & Pavesi
Yes	No	Axial Piston	Variable Displacement	92.91 - 279.9	5.67 - 17.08	420	6091	450	7252		2700 / 3200	1,872	16568	4 Bolt-E	-	33T, SAE-15T			HMV, HMR	Eaton
yes	yes	F12-090	Fixed Bent Axis	93	5.68	350	5075	420	6090	4600	5000	622	5508	4 bolt C, 4 Bolt D	3019/2	32-4, 38-4, and 38-1 SAE C, 44-4 and 44-1 SAE D			F11/F12	Parker - Pump & Power Div.
Yes	No	Gear Motor	External	97.6	5.96	172	2500	172	2500	2500	2500	246	2181	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	97.6	5.96	172	2500	172	2500	2500	2500	246	2181	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
Yes	Yes	Rineer Vane	Fixed displacement	98	6	206	3000	241	3500	2000	2600	248	2195	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
Yes	No	Gear Motor	External	98	5.98	172	2500	172	2500	2500	2500	246	2181	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes	M6	Fixed & Variable Axial Piston	98.3	6.0	350	5075	420	6090	3000	3600	657	5817	2-Bolt C or 4-Bolt D		32-4 C or 44-4 D			Gold Cup	Parker - Pump & Power Div.
yes	yes	M6	Fixed & Variable Axial Piston	98.3	6.0	350	5075	420	6090	3000	3600	657	5817	2-Bolt C or 4-Bolt D		32-4 C or 44-4 D			Gold Cup	Parker - Pump & Power Div.
Yes	No	Axial Piston	Fixed displacement	99	6.04	275	3989	319	4627	1000	1000	432	3823	Special	-	JIS-19T	34.66	1.36	ME100	Eaton
Yes	No	Axial Piston	Fixed displacement	99	6.04	275	3989	319	4627	1000	1000	432	3823	Special	-	SAE- 21T	34.5	1.36	ME100	Eaton
Yes	No	Axial Piston	Fixed displacement	99	6.04	275	3989	319	4627	1000	1000	432	3823	Special	-	Straight, Tapered	35	1.38	ME100	Eaton
No	Yes	Axial Piston	Fixed displacement	99	6.04	275	3989	319	4627	1000	1000	432	3823	Special	-	JIS-19T	34.66	1.35	ME100	Eaton
No	Yes	Axial Piston	Fixed displacement	99	6.04	275	3989	319	4627	1000	1000	432	3823	Special	-	SAE- 21T	34.5	1.36	ME100	Eaton
No	Yes	Axial Piston	Fixed displacement	99	6.04	275	3989	319	4627	1000	1000	432	3823	Special	-	Straight, Tapered	35	1.38	ME100	Eaton
Yes	no	Fixed Gear Motor	Internal	100	6.1	320	4640	400	5800	600	4000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
Yes	Yes	axial piston	Fixed displacement	100	6.1	450	6527	480	6962	3300	3650	763	563	SAE	-	21T, 13T, 14T, 17T, Tapered Shaft	-	-	Series 90	Danfoss
Yes	No	Axial Piston	Fixed displacement	104.9	6.4	420	6091	450	7252	3500	3800	702	6213	2 Bolt-C	-	23T, SAE-14T			HMF	Eaton
yes	yes	HMR105	Axial Piston, Fixed Displacement	105	6.41	450	6525	500	7250	3500	3800	719	6363.15	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
yes	yes	HMR135	Axial Piston, System Pressure Regulated	105	6.41	450	6525	500	7250	3200/3700	3500/4000	928	8212.8	SAE D	ISO 3019-1 152-2	SAE J744 D	43.71	1.72	2	Linde Hydraulics
yes	yes	HMV105	Axial Piston, Variable Displacement	105	6.41	450	6525	500	7250	3500/4100	3800/4700	719	6363.15	SAE C	ISO 3019-1 127-2	SAE J744 C	31.22	1.229	2	Linde Hydraulics
Yes	No	Axial Piston	Fixed & Variable Displacement	105.36	6.43	414	6000	483	7000	NA	3720 / 4810	5807	51396	4-Bolt C	-	SAE-14T, 21T, 23T, 27T, Tapered			Series 1	Eaton
Yes	No	Axial Piston	Fixed & Variable Displacement	105.36	6.43	414	6000	483	7000	NA	3720 / 4810	5807	51396	4-Bolt C	-	Straight	38.1	1.50	Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	105.36	6.43	414	6000	483	7000	NA	3720 / 4810	5807	51396	4-Bolt C	-	SAE-14T, 21T, 23T, 27T			Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	105.36	6.43	414	6000	483	7000	NA	3720 / 4810	5807	51396	4-Bolt C	-	Straight, Tapered	38.1	1.50	Series 1	Eaton
Yes	no	Bent axis	Fixed displacement	108	6.59	350	5000	420	6000	3200	3800	8571	75,000	SAE B/ SAE C/ SAE D	-	various	various	various	M60N	HAWE Hydraulics
Yes	Yes	Bent Axis	Variable displacement	110	6.71	450	6527	480	6962	4800	5950	840	513.12	SAE, DIN and Cartridge	-	27T, 13T	DIN 5480; W40; W45	-	H1B	Danfoss
yes	yes	V14-110	Variable bent axis	110	6.71	420	6090	480	6960	3400	6500	840	7437	4 Bolt SAE D	3019/2	44-4 SAE D			V12/V14	Parker - Pump & Power Div.
yes	yes	Geroller	Fixed Displacement	110 - 959	6.9 - 58.5	124 - 241	1800 - 3500	159 - 276	2300 - 4000	118 - 672	118 - 672	426 - 2105	3767 - 18630	2-Bolt SAE A, 4-Bolt SAE A Flange, 6-Bolt SAE A Flange, 4-Bolt Wheel Mount		straight keyed, 14 tooth spline, tapered	31.75 - 34.9	1 1/4 - 1 1/2	TGK	Parker - Pump & Motor Div.
yes	yes	F12-110	Fixed Bent Axis	110.1	6.72	420	6090	480	6960	4400	4800	842	7448	4 bolt D	3019/2	44-4 and 44-1 SAE D			F11/F12	Parker - Pump & Power Div.
yes	yes	axial piston	variable	112	6.83	400	5800	450	6525	3550	5600	8558	6311	yes	yes	SAE & ISO			M7V	Kawasaki
yes	yes	axial piston	fixed	112	6.83	400	5800	450	6525	3550	5600	8558	6311	yes	yes	SAE & ISO			M7X	Kawasaki
yes	yes	axial piston	fixed	112	6.83	314	4553	345	5002.5	3000		6718	4954	yes	no	D			K3X	Kawasaki
Yes	No	Gear Motor	External	113.5	6.93	172	2500	172	2500	2500	2500	289	2561	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
Yes	No	Gear Motor	External	113.9	6.95	172	2500	172	2500	2500	2500	289	2561	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	113.9	6.95	172	2500	172	2500	2500	2500	289	2561	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
Yes	Yes	Rineer Vane	Fixed displacement	115	7	206	3000	241	3500	1900	2600	312	2761	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
yes	yes	M7	Fixed & Variable Axial Piston	118.8	7.25	350	5075	420	6090	3000	3600	794	7030	2-Bolt C or 4-Bolt D		32-4 C or 44-4 D			Gold Cup	Parker - Pump & Power Div.
yes	yes	M7	Fixed & Variable Axial Piston	118.8	7.25	350	5075	420	6090	3000	3600	794	7030	2-Bolt C or 4-Bolt D		32-4 C or 44-4 D			Gold Cup	Parker - Pump & Power Div.
yes	yes	axial piston	fixed	122	7.44	343	4973.5	412	5974	1850		7994	5895	no	no	JIS			M5X	Kawasaki
Yes	No	Axial Piston	Fixed & Variable Displacement	124.9	7.62	414	6000	483	7000	NA	2775 / 3425	6911	61167	4-Bolt C, D	-	SAE-13T, 17T, 27T, Tapered			Series 1	Eaton
Yes	No	Axial Piston	Fixed & Variable Displacement	124.9	7.62	414	6000	483	7000	NA	2775 / 3425	6911	61167	4-Bolt C, D	-	Straight	38.1, 44.45	1.5, 1.75	Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	124.9	7.62	414	6000	483	7000	NA	2775 / 3425	6911	61167	4-Bolt C, D	-	SAE-13T, 17T, 27T, Tapered			Series 1	Eaton
No	Yes	Axial Piston	Fixed & Variable Displacement	124.9	7.62	414	6000	483	7000	NA	2775 / 3425	6911	61167	4-Bolt C, D	-	Straight	38.1, 44.45	1.5, 1.75	Series 1	Eaton
Yes	no	Fixed Gear Motor	Internal	125	7.63	320	4640	400	5800	600	4000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes		Fixed Bent Axis	125	7.63	420	6090	480	6960	4200	4600	956	8456	4 bolt D	3019/2	44-4 and 44-1 SAE D			F11/F12	Parker - Pump & Power Div.
yes	yes	axial piston	fixed	129	7.87	324	4698	392	5684	1850		7984	5888	no	no	JIS			M5X	Kawasaki
Yes	No	Gear Motor	External	129.4	7.9	172	2500	172	2500	2500	2500	332	2940	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
Yes	Yes	Axial piston	Fixed displacement	130	7.93	450	6527	480	6962	3100	3400	994	733	SAE	-	27T, 13T	-	-	Series 90	Danfoss
Yes	No	Gear Motor	External	130.2	7.95	172	2500	172	2500	2500	2500	332	2940	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	130.2	7.95	172	2500	172	2500	2500	2500	332	2940	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
Yes	Yes	Rineer Vane	Fixed displacement	131	8	206	3000	241	3500	1800	2600	372	3292	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
yes	yes	M8	Fixed & Variable Axial Piston	131.1	8.0	350	5075	350	5075	2700	3000	731	6465	2-Bolt C or 4-Bolt D		32-4 C or 44-4 D			Gold Cup	Parker - Pump & Power Div.
yes	yes	M8	Fixed & Variable Axial Piston	131.1	8.0	350	5075	350	5075	2700	3000	731	6465	2-Bolt C or 4-Bolt D		32-4 C or 44-4 D			Gold Cup	Parker - Pump & Power Div.
Yes	No	Axial Piston	Fixed displacement	135.5	8.27	420	6091	450	7252	3200	3500	907	8027	2 Bolt-D	-	27T, SAE-13T			HMF	Eaton
yes	yes	HMF135	Axial Piston, Fixed Displacement	135.6	8.27	450	6525	500	7250	3200	3500	928	8212.8	SAE D	ISO 3019-1 127-2	SAE J744 D	43.71	1.72	2	Linde Hydraulics
yes	yes	HMR165	Axial Piston, System Pressure Regulated	135.6	8.27	450	6525	500	7250	3100/3500	3400/3900	1133	10027.05	SAE D	ISO 3019-1 152-2	SAE J744 D	43.71	1.72	2	Linde Hydraulics
yes	yes	HMV135	Axial Piston, Variable Displacement	135.6	8.27	450	6525	500	7250	3200/3700	3500/4000	928	8212.8	SAE D	ISO 3019-1 152-2	SAE J744 D	43.71	1.72	2	Linde Hydraulics
yes	yes	HMV135D	Axial Piston, Variable Displacement	2 X 135.6	2 X 8.27	450	6525	500	7250	3200/3700	3500/4000	1856	16425.6	SAE D	ISO 3019-1 152-2	SAE J744 D	43.71	1.72	2	Linde Hydraulics
yes	yes	Geroller	Fixed Displacement	140 - 364	8.6 - 22.2	172 - 190	2500 - 2750	224 - 241	3250 - 3500	255 - 613	255 - 613	463 - 1163	4095 - 10293	4-Bolt Wheel Mount, 4-Bolt Wheel Mount Brake Nose		tapered	31.75	1 1/4	TL	Parker - Pump & Motor Div.
yes	yes	Geroller	Fixed Displacement	141 - 959	8.6 - 58.5	69 - 207	1000 - 3000	103 - 276	1500 - 4000	118 - 660	118 - 660	530 - 1268	4692 - 11227	2-Bolt SAE A, 4-Bolt Wheel Mount, 4-Bolt Wheel Mount Brake Nose, 4-Bolt SAE A Flange		6B spline, straight keyed, 14 tooth spline, 19 tooth spline, tapered, 32mm straight keyed	25.4 - 34.9	1 - 1 3/8	TG	Parker - Pump & Motor Div.
yes	yes	Geroller	Fixed Displacement	141 - 959	8.6 - 58.5	69 - 207	1000 - 3000	103 - 276	1500 - 4000	118 - 660	118 - 660	530 - 1268	4692 - 11227	4-Bolt SAE A, 4-Bolt SAE B Wheel Mount, 4-Bolt Wheel Mount, 4-Bolt SAE CC Wheel Mount		tapered, straight keyed, 17 tooth spline	31.75 - 38.1	1 1/4 - 1 1/2	TH	Parker - Pump & Motor Div.
Yes	No	Gear Motor	External	146.2	8.92	172	2500	172	2500	2500	2500	375	3320	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
Yes	No	Gear Motor	External	146.5	8.94	172	2500	172	2500	2500	2500	375	3320	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	MD	Geartek
Yes	No	Gear Motor	Two Speed	146.5	8.94	172	2500	172	2500	2500	2500	375	3320	B;C	N/A	B/C/spline/straight/custom	N/A	0.875/1.0/1.25	SMD	Geartek
yes	yes	F12-152	Fixed Bent Axis	149.8	9.14	420	6090	480	6960	3700	4000	1145	10130	4 bolt SAE D	3019	44-4 and 44-1 SAE D, 50-4 SAE F			F11/F12	Parker - Pump & Power Div.
Yes	No	Axial Piston	Fixed displacement	152	9.27	275	3989	319	4627	600	800	667	5903	Special	-	JIS-16T	44.5	1.75	ME150	Eaton
Yes	No	Axial Piston	Fixed displacement	152	9.27	275	3989	319	4627	600	800	667	5903	Special	-	SAE- 20T	43.92	1.73	ME150	Eaton
Yes	No	Axial Piston	Fixed displacement	152	9.27	275	3989	319	4627	600	800	667	5903	Special	-	Straight, Tapered	45	1.77	ME150	Eaton
No	Yes	Axial Piston	Fixed displacement	152	9.27	275	3989	319	4627	600	800	667	5903	Special	-	JIS-16T	44.5	1.75	ME150	Eaton
No	Yes	Axial Piston	Fixed displacement	152	9.27	275	3989	319	4627	600	800	667	5903	Special	-	SAE- 20T	43.92	1.73	ME150	Eaton
No	Yes	Axial Piston	Fixed displacement	152	9.27	275	3989	319	4627	600	800	667	5903	Special	-	Straight, Tapered	45	1.77	ME150	Eaton
Yes	No	Axial Piston	2 Speed	152 - 304	9.27 - 18.55	245	3553	319	4627	--	600 - 800	594 - 1190	5257 - 10532	Special	-	JIS-16T	44.5	1.75	MK300	Eaton
Yes	No	Axial Piston	2 Speed	152 - 304	9.27 - 18.55	245	3553	319	4627	--	600 - 800	594 - 1190	5257 - 10532	Special	-	SAE-20T	43.92	1.73	MK300	Eaton
Yes	No	Axial Piston	2 Speed	152 - 304	9.27 - 18.55	245	3553	319	4627	--	600 - 800	594 - 1190	5257 - 10532	Special	-	Straight	50	1.97	MK300	Eaton
Yes	Yes	Rineer Vane	Fixed displacement	156	9.5	206	3000	241	3500	1700	2300	418	3700	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
Yes	no	Fixed Gear Motor	Internal	160	9.76	320	4640	400	5800	600	3200	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
yes	yes	axial piston	variable	160	9.76	400	5800	450	6525	3100	4900	12226	9016	yes	yes	SAE & ISO			M7V	Kawasaki
yes	yes	axial piston	fixed	160	9.76	400	5800	450	6525	3100	4900	12226	9016	yes	yes	SAE & ISO			M7X	Kawasaki
Yes	Yes	Bent Axis	Variable displacement	160	9.76	450	6527	480	6962	4250	2550	1224	746.4	SAE, DIN and Cartridge	-	27T, 15T, 13T	DIN 5480; W45; W50	-	H1B	Danfoss
Yes	Yes	Radial Piston	Fixed displacement	160	9.76	250	3625	470	6815	875	NA	1,146	10,142	4-Bolt		Flange & various	NA	NA	MCR3	Bosch Rexroth
yes	yes	V14-160	Variable bent axis	160	9.76	420	6090	480	6960	3000	5000	1222	10817	4 Bolt SAE D	3019/2	44-4 SAE D			V12/V14	Parker - Pump & Power Div.
Yes	No	Gear Motor	External	161.6	9.86	172	2500	172	2500	2500	2500	407	3600	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
yes	yes	F12-162	Fixed Bent Axis	163.1	9.95	420	6090	480	6960	3700	4000	1246	11027	4 bolt SAE D	3019	44-4 and 44-1 SAE D, 50-4 SAE F			F11/F12	Parker - Pump & Power Div.
Yes	No	Axial Piston	Fixed displacement	165	10.07	420	6091	450	7252	3100	3400	1104	9771	2 Bolt-D	-	27T, SAE-13T			HMA^	Eaton

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes	HMA165	Axial Piston, Adjustable Displacement	165	10.07	450	6525	500	7250	3100	3700	1133	10027.05	SAE D	ISO 3019-1 152-2	SAE J744 D & E	43.71	1.72	2	Linde Hydraulics
yes	yes	HMV165	Axial Piston, Variable Displacement	165	10.07	450	6525	500	7250	3100/3500	3400/3900	1133	10027.05	SAE D	ISO 3019-1 152-2	SAE J744 D	43.71	1.72	2	Linde Hydraulics
yes	yes	axial piston	fixed	169	10.31	343	4973.5	412	5974	1680		11073	8166	no	no	JIS			M5X	Kawasaki
Yes	Yes	Rineer Vane	Fixed displacement	172	10.5	206	3000	241	3500	1600	2300	477	4222	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
Yes	No	Axial Piston	Fixed displacement	175	10.68	275	3989	319	4627	600	800	765	6771	Special	-	JIS-16T	44.5	1.75	ME175	Eaton
Yes	No	Axial Piston	Fixed displacement	175	10.68	275	3989	319	4627	600	800	765	6771	Special	-	SAE- 20T	43.92	1.73	ME175	Eaton
Yes	No	Axial Piston	Fixed displacement	175	10.68	275	3989	319	4627	600	800	765	6771	Special	-	Straight, Tapered	45	1.77	ME175	Eaton
No	Yes	Axial Piston	Fixed displacement	175	10.68	275	3989	319	4627	600	800	765	6771	Special	-	JIS-16T	44.5	1.75	ME175	Eaton
No	Yes	Axial Piston	Fixed displacement	175	10.68	275	3989	319	4627	600	800	765	6771	Special	-	SAE- 20T	43.92	1.73	ME175	Eaton
No	Yes	Axial Piston	Fixed displacement	175	10.68	275	3989	319	4627	600	800	765	6771	Special	-	Straight, Tapered	45	1.77	ME175	Eaton
Yes	No	Gear Motor	External	178	10.86	172	2500	172	2500	2500	2500	452	4000	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
yes	yes	F12-182	Fixed Bent Axis	179.8	10.97	420	6090	480	6960	3700	4000	1374	12158	4 bolt SAE D	3019	44-4 and 44-1 SAE D, 50-4 SAE F			F11/F12	Parker - Pump & Power Div.
Yes	No	Axial Piston	Fixed displacement	179.9	17.08	420	6091	450	7252	2400	2700	1872	16568	4 Bolt-E	-	33T, SAE-15T			HMA^	Eaton
yes	yes	axial piston	fixed	180	10.98	324	4698	392	5684	1680		11141	8216	no	no	JIS			M5X	Kawasaki
yes	yes	M11	Fixed & Variable Axial Piston	180.3	11.0	350	5075	420	6090	2400	2800	1206	10670	4-Bolt E		44-4 E			Gold Cup	Parker - Pump & Power Div.
yes	yes	M11	Fixed & Variable Axial Piston	180.3	11.0	350	5075	420	6090	2400	2800	1206	10670	4-Bolt E		44-4 E			Gold Cup	Parker - Pump & Power Div.
yes	yes	Radial piston	fixed	188	11.47	207	3001.5	241	3494.5	500		7434	5482	no	no	multiple			HMB	Kawasaki
Yes	Yes	Rineer Vane	Fixed displacement	188	11.5	206	3000	241	3500	1600	2300	536	4744	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	197	12	206	3000	241	3500	1000	1200	556	4921	SAE D	-	13T	44.44	1.75	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	197	12	310	4500	350	5000	1000	1200	864	7647	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	no	Fixed Gear Motor	Internal	200	12.2	320	4640	400	5800	600	3200	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
Yes	No	Axial Piston	Fixed displacement	209.9	12.81	420	6091	450	7252	2700	3000	1404	12426	4 Bolt-E	-	27T, SAE-15T			HMA^	Eaton
yes	yes	axial piston	fixed	210	12.81	294	4263	343	4973.5	1400		11794	8698	no	no	JIS			M5X	Kawasaki
yes	yes	HMA210	Axial Piston, Adjustable Displacement	210	12.81	450	6525	500	7250	2700	3000	1438	12726.3	SAE E	ISO 3019-1 165-4	SAE J744 F	50.06	1.97	2	Linde Hydraulics
yes	yes	HMV210	Axial Piston, Variable Displacement	210	12.81	450	6525	500	7250	2700/3200	3000/3500	1438	12726.3	SAE E	ISO 3019-1 165-4	SAE J744 F	50.06	1.97	2	Linde Hydraulics
yes	yes	HMR210	Axial Piston, System Pressure Regulated	210.1	12.82	450	6525	500	7250	2700/3200	3000/3500	1438	12726.3	SAE E	ISO 3019-1 165-4	SAE J744 F	50.06	1.97	2	Linde Hydraulics
Yes	Yes	Rineer Vane	Fixed displacement	213	13	206	3000	241	3500	1500	2000	580	5133	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
Yes	Yes	Radial Piston	Cam Lobe	213	13	450	6527	450	6527	470	470	1525.5	13501	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Dual Sprocket	50	1.97	MS02	Poclain Hydraulics
Yes	No	Gear Motor	External	215.9	13.17	172	2500	172	2500	2500	2500	554	4900	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
Yes	Yes	Radial Piston	Fixed displacement	225	13.73	250	3625	470	6815	620	NA	1,611	14,258	4-Bolt		Flange & various	NA	NA	MCR3	Bosch Rexroth
yes	yes	M14	Fixed & Variable Axial Piston	229.5	14.0	350	5075	420	6090	2400	2800	1535	13581	4-Bolt E		44-4 E			Gold Cup	Parker - Pump & Power Div.
yes	yes	M14	Fixed & Variable Axial Piston	229.5	14.0	350	5075	420	6090	2400	2800	1535	13581	4-Bolt E		44-4 E			Gold Cup	Parker - Pump & Power Div.
yes	yes	F12-250	Fixed Bent Axis	242	14.77	350	5075	420	6090	2700	3000	1618	14323	4 bolt SAE D	N/A	44-4 SAE D, 50-4 SAE F			F11/F12	Parker - Pump & Power Div.
Yes	Yes	Rineer Vane	Fixed displacement	246	15	206	3000	241	3500	1500	2000	690	6107	SAE C	-	14T	31.76	1.25	MV015	Bosch Rexroth
Yes	No	Gear Motor	External	249.2	15.2	172	2500	172	2500	2500	2500	621	5500	C;D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
Yes	no	Fixed Gear Motor	Internal	250	15.26	320	4640	400	5800	600	3200	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
Yes	Yes	Bent Axis	Variable displacement	250	15.25	450	6527	480	6962	3650	4500	1910.4	1164.48	SAE	-	27T, 15T	-	-	H1B	Danfoss
yes	yes	Geroller	Fixed Displacement	250 - 1000	15.3 - 61.0	172 - 241	2500 - 3500	190 - 310	2750 - 4500	218 - 523	218 - 523	1043 - 2660	9234 - 23540	4-Bolt SAE CC Wheel Mount, 4-Bolt Wheel Mount, 4-Bolt SAE CC Wheel Mount Metric		straight keyed, 17 tooth spline, tapered, 40mm straight keyed	38.1 - 40	1 1/2 - 1.57	TK	Parker - Pump & Motor Div.
Yes	Yes	Radial Piston	Fixed displacement	255	15.56	250	3625	470	6815	550	NA	1,826	16,161	4-Bolt		Flange & various	NA	NA	MCR3	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	262	16	206	3000	241	3500	1000	1200	750	6638	SAE D	-	13T	44.44	1.75	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	262	16	310	4500	350	5000	1000	1200	1154	10214	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	280	17.09	250	3625	470	6815	500	NA	2,005	17,745	4-Bolt		Flange & various	NA	NA	MCR3	Bosch Rexroth

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes	HMA280	Axial Piston, Adjustable Displacement	281.9	17.20	450	6525	500	7250	2400	2700	1929	17071.65	SAE E	ISO 3019-1 165-4	SAE J744 F	50.06	1.97	2	Linde Hydraulics
yes	yes	HMR280	Axial Piston, System Pressure Regulated	281.9	17.20	450	6525	500	7250	2400/2900	2700/3200	1929	17071.65	SAE E	ISO 3019-1 165-4	SAE J744 F	50.06	1.97	2	Linde Hydraulics
yes	yes	HMV280	Axial Piston, Variable Displacement	281.9	17.20	450	6525	500	7250	2400/2900	2700/3200	1929	17071.65	SAE E	ISO 3019-1 165-4	SAE J744 F	50.06	1.97	2	Linde Hydraulics
Yes	No	Axial Piston	Fixed displacement	300	18.3	275	3989	319	4627	660	800	1320	11683	Special	-	JIS-16T	44.5	1.75	ME300B	Eaton
Yes	No	Axial Piston	Fixed displacement	300	18.3	275	3989	319	4627	660	800	1320	11683	Special	-	SAE- 20T	43.92	1.72	ME300B	Eaton
Yes	No	Axial Piston	Fixed displacement	300	18.3	275	3989	319	4627	660	800	1320	11683	Special	-	Straight, Tapered	50	1.97	ME300B	Eaton
No	Yes	Axial Piston	Fixed displacement	300	18.3	275	3989	319	4627	660	800	1320	11683	Special	-	JIS-16T	44.5	1.75	ME300B	Eaton
No	Yes	Axial Piston	Fixed displacement	300	18.3	275	3989	319	4627	660	800	1320	11683	Special	-	SAE- 20T	43.92	1.72	ME300B	Eaton
No	Yes	Axial Piston	Fixed displacement	300	18.3	275	3989	319	4627	660	800	1320	11683	Special	-	Straight, Tapered	50	1.97	ME300B	Eaton
Yes	No	Axial Piston	2 Speed	301 - 602	18.37 - 36.73	245	3553	319	4627	--	300 - 600	1180 - 2350	10443 - 20800	JIS B 2292 (ISO 3019) - 6 Bolt	-	JIS-22T	59.5	2.34	MK600	Eaton
Yes	No	Axial Piston	2 Speed	301 - 602	18.37 - 36.73	245	3553	319	4627	--	300 - 600	1180 - 2350	10443 - 20800	JIS B 2292 (ISO 3019) - 6 Bolt	-	SAE-19T	62.76	2.47	MK600	Eaton
Yes	No	Axial Piston	2 Speed	301 - 602	18.37 - 36.73	245	3553	319	4627	--	300 - 600	1180 - 2350	10443 - 20800	JIS B 2292 (ISO 3019) - 6 Bolt	-	Straight, Tapered	65	2.60	MK600	Eaton
Yes	No	Gear Motor	External	309.9	18.91	172	2500	172	2500	2000	2000	680	6019	C,D	N/A	C/spline/Straight/custom	N/A	1.25/1.50	ME	Geartek
Yes	no	Fixed Gear Motor	Internal	315	19.22	320	4640	400	5800	600	3000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
Yes	Yes	Radial Piston	Fixed displacement	325	19.83	250	3625	420	6090	430	NA	2,069	18,312	4-Bolt	-	Flange & various	NA	NA	MCR3	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	328	20	206	3000	241	3500	1000	1200	979	8665	SAE D	-	13T	44.44	1.75	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	328	20	310	4500	350	5000	1000	1200	1497	13250	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	No	Axial Piston	Fixed displacement	350	21.36	275	3989	319	4627	660	800	1530	13542	Special	-	JIS-16T	44.5	1.75	ME350B	Eaton
Yes	No	Axial Piston	Fixed displacement	350	21.36	275	3989	319	4627	660	800	1530	13542	Special	-	SAE- 20T	43.92	1.72	ME350B	Eaton
Yes	No	Axial Piston	Fixed displacement	350	21.36	275	3989	319	4627	660	800	1530	13542	Special	-	Straight, Tapered	50	1.97	ME350B	Eaton
No	Yes	Axial Piston	Fixed displacement	350	21.36	275	3989	319	4627	660	800	1530	13542	Special	-	JIS-16T	44.5	1.75	ME350B	Eaton
No	Yes	Axial Piston	Fixed displacement	350	21.36	275	3989	319	4627	660	800	1530	13542	Special	-	SAE- 20T	43.92	1.72	ME350B	Eaton
No	Yes	Axial Piston	Fixed displacement	350	21.36	275	3989	319	4627	660	800	1530	13542	Special	-	Straight, Tapered	50	1.97	ME350B	Eaton
Yes	Yes	Radial Piston	Fixed displacement	365	22.27	250	3625	420	6090	385	NA	2,324	20,569	4-Bolt	-	Flange & various	NA	NA	MCR3	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	380	23.19	250	3625	470	6815	570	NA	2,722	24,091	4-Bolt	-	Flange & various	NA	NA	MCR5	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	393	24	206	3000	241	3500	1000	1200	1,165	10,313	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	393	24	310	4500	350	5000	1000	1200	1,748	15,469	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	no	Fixed Gear Motor	Internal	400	24.41	320	4640	400	5800	600	3000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
Yes	Yes	Radial Piston	Fixed displacement	400	24.41	250	3625	420	6090	350	NA	2,546	22,533	4-Bolt	-	Flange & various	NA	NA	MCR3	Bosch Rexroth
yes	yes	M24	Fixed & Variable Axial Piston	403.2	24.6	350	5075	370	5365	2100	2100	2375	21020	4-Bolt F	-	50-4 F			Gold Cup	Parker - Pump & Power Div.
yes	yes	M24	Fixed & Variable Axial Piston	403.2	24.6	350	5075	370	5365	2100	2100	2375	21020	4-Bolt F	-	50-4 F			Gold Cup	Parker - Pump & Power Div.
Yes	Yes	Rineer Vane	Fixed displacement	426	26	206	3000	241	3500	800	1000	1247	11037	SAE D	-	13T	44.44	1.75	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	426	26	310	4500	350	5000	800	1000	1897	16790	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
yes	yes	Radial piston	fixed	442	26.97	207	3001.5	293	4248.5	450		17478	12889	no	no	multiple			HMB	Kawasaki
Yes	Yes	Rineer Vane	Fixed or two speed	459	28	206	3000	241	3500	1000	1200	1360	12032	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	459	28	310	4500	350	5000	1000	1200	2039	18048	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Cam Lobe	468	28.5	450	6527	450	6527	240	240	2248	29,632	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Keyed Shaft, Dual Sprocket	55	2.17	MS05	Poclain Hydraulics
Yes	Yes	Radial Piston	Fixed displacement	470	28.68	250	3625	470	6815	465	NA	3,366	29,791	4-Bolt	-	Flange & various	NA	NA	MCR5	Bosch Rexroth
yes	yes	Radial piston	variable	492	30.02	207	3001.5	241	3494.5	450		19454.700	14347.124	no	no	multiple			HMC	Kawasaki
Yes	no	Fixed Gear Motor	Internal	500	30.51	320	4640	400	5800	600	3000	Consult Factory	Consult Factory	A, B, C, D & Metric	-	Metric Keyed	-	-	QXM	Bucher Hydraulics, Inc.
yes	yes	M30	Fixed & Variable Axial Piston	501.5	30.6	350	5075	370	5365	1800	1800	2954	26145	4-Bolt F	-	50-4 F			Gold Cup	Parker - Pump & Power Div.
yes	yes	M30	Fixed & Variable Axial Piston	501.5	30.6	350	5075	370	5365	1800	1800	2954	26145	4-Bolt F	-	50-4 F			Gold Cup	Parker - Pump & Power Div.
Yes	Yes	Radial Piston	Fixed displacement	520	31.73	250	3625	470	6815	420	NA	3,724	32,960	4-Bolt	-	Flange & various	NA	NA	MCR5	Bosch Rexroth

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm³/rev	in³/rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
Yes	Yes	Rineer Vane	Fixed displacement	524	32	206	3000	241	3500	700	950	1550	13719	SAE D	-	13T	44.44	1.75	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	524	32	310	4500	350	5000	700	950	2352	22587	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	524	32	206	3000	241	3500	1000	1200	1550	13719	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	524	32	310	4500	350	5000	1000	1200	2352	22587	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	565	34.48	250	3625	470	6815	385	NA	4,047	35,818	4-Bolt		Flange & various	NA	NA	MCR5	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	590	36	206	3000	241	3500	1000	1200	1,748	15,469	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	590	36	310	4500	350	5000	1000	1200	2,622	23,204	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	No	Axial Piston	Fixed displacement	600	36.61	275	3989	319	4627	500	600	2620	23189	JIS B 2292 (ISO 3019) - 6 Bolt	-	JIS-22T	59.5	2.34	ME600B	Eaton
Yes	No	Axial Piston	Fixed displacement	600	36.61	275	3989	319	4627	500	600	2620	23189	JIS B 2292 (ISO 3019) - 6 Bolt	-	SAE-19T	62.76	2.47	ME600B	Eaton
Yes	No	Axial Piston	Fixed displacement	600	36.61	275	3989	319	4627	500	600	2620	23189	JIS B 2292 (ISO 3019) - 6 Bolt	-	Straight, Tapered	65	2.56	ME600B	Eaton
No	Yes	Axial Piston	Fixed displacement	600	36.61	275	3989	319	4627	500	600	2620	23189	JIS B 2292 (ISO 3019) - 6 Bolt	-	JIS-22T	59.5	2.34	ME600B	Eaton
No	Yes	Axial Piston	Fixed displacement	600	36.61	275	3989	319	4627	500	600	2620	23189	JIS B 2292 (ISO 3019) - 6 Bolt	-	SAE-19T	64.92	2.56	ME600B	Eaton
No	Yes	Axial Piston	Fixed displacement	600	36.61	275	3989	319	4627	500	600	2620	23189	JIS B 2292 (ISO 3019) - 6 Bolt	-	Straight, Tapered	65	2.56	ME600B	Eaton
Yes	Yes	Rineer Vane	Fixed displacement	606	37	206	3000	241	3500	600	800	1783	15781	SAE D	-	13T	44.44	1.75	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	606	37	310	4500	350	5000	600	800	2721	24083	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	620	37.83	250	3625	420	6090	350	NA	3,947	34,933	4-Bolt		Flange & various	NA	NA	MCR5	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	623	38	206	3000	241	3500	800	1000	1,845	16,329	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	623	38	310	4500	350	5000	800	1000	2,768	24,493	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	656	40	206	3000	241	3500	1000	1200	1,942	17,188	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	656	40	310	4500	350	5000	1000	1200	2,913	25,782	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	680	41.5	250	3625	420	6090	320	NA	4,329	38,314	4-Bolt		Flange & various	NA	NA	MCR5	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	688	42	206	3000	241	3500	800	1000	2,039	18,048	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	688	42	310	4500	350	5000	800	1000	3,059	27,072	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	721	44	206	3000	241	3500	700	950	2,137	18,907	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	721	44	310	4500	350	5000	700	950	3,205	28,361	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
yes	yes	Radial piston	variable	737	44.97	250	3625	275	3987.5	450		35196.266	25955.948	no	no	multiple			HMC	Kawasaki
yes	yes	Radial piston	fixed	740	45.15	250	3625	293	4248.5	400		35340	26062	no	no	multiple			HMB	Kawasaki
Yes	No	Axial Piston	Fixed displacement	750	45.76	275	3989	319	4627	450	520	3280	29030	Special	-	JIS-22T	59.5	2.34	ME750B	Eaton
Yes	No	Axial Piston	Fixed displacement	750	45.76	275	3989	319	4627	450	520	3280	29030	Special	-	SAE-12T	64.92	2.56	ME750B	Eaton
Yes	No	Axial Piston	Fixed displacement	750	45.76	275	3989	319	4627	450	520	3280	29030	Special	-	Straight, Tapered	65	2.56	ME750B	Eaton
No	Yes	Axial Piston	Fixed displacement	750	45.76	275	3989	319	4627	450	520	3280	29030	Special	-	JIS-22T	59.5	2.34	ME750B	Eaton
No	Yes	Axial Piston	Fixed displacement	750	45.76	275	3989	319	4627	450	520	3280	29030	Special	-	SAE-12T	64.92	2.56	ME750B	Eaton
No	Yes	Axial Piston	Fixed displacement	750	45.76	275	3989	319	4627	450	520	3280	29030	Special	-	Straight, Tapered	65	2.56	ME750B	Eaton
Yes	Yes	Radial Piston	Fixed displacement	750	45.77	250	3625	420	6090	290	NA	4,775	42,262	4-Bolt		Flange & various	NA	NA	MCR5	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	754	46	206	3000	241	3500	800	1000	2,234	19,767	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	754	46	310	4500	350	5000	800	1000	3,350	29,650	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	780	47.6	250	3625	470	6815	215	NA	5,586	49,440	4-Bolt		Flange & various	NA	NA	MCR10	Bosch Rexroth
yes	yes	Radial Piston	Cam Lobe	780	47.6	450	6527	450	6527	170	170	5580	49387	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Keyed shaft	70	2.76	MS08	Poclain Hydraulics
Yes	Yes	Rineer Vane	Fixed or two speed	787	48	206	3000	241	3500	700	950	2,331	20,626	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	787	48	310	4500	350	5000	700	950	3,496	30,939	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	787	48	206	3000	241	3500	500	600	2308	20428	SAE D Based	-	16T	53.98	2.125	MV057A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	787	48	310	4500	350	5000	500	600	3461	30632	SAE D Based	-	18T	60.3	2.375	MV057D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	803	49	206	3000	241	3500	600	800	2379	21056	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	803	49	310	4500	350	5000	600	800	3569	31584	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	820	50.04	250	3625	420	6090	265	NA	5,220	46,200	4-Bolt		Flange & various	NA	NA	MCR5	Bosch Rexroth
yes	yes	axial piston	fixed	840	51.25	225	3262.5			270		36104	26625	no	no	JIS			M3X-RG	Kawasaki
Yes	No	Axial Piston	Fixed displacement	848	51.74	275	3989	319	4627	400	450	3708	32818	Special	-	JIS-22T	59.5	2.34	ME850B	Eaton
Yes	No	Axial Piston	Fixed displacement	848	51.74	275	3989	319	4627	400	450	3708	32818	Special	-	SAE-12T	64.92	2.56	ME850B	Eaton
Yes	No	Axial Piston	Fixed displacement	848	51.74	275	3989	319	4627	400	450	3708	32818	Special	-	Straight, Tapered	65	2.56	ME850B	Eaton

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
No	Yes	Axial Piston	Fixed displacement	848	51.74	275	3989	319	4627	400	450	3708	32818	Special	-	JIS-22T	59.5	2.34	ME850B	Eaton
No	Yes	Axial Piston	Fixed displacement	848	51.74	275	3989	319	4627	400	450	3708	32818	Special	-	SAE-12T	64.92	2.56	ME850B	Eaton
No	Yes	Axial Piston	Fixed displacement	848	51.74	275	3989	319	4627	400	450	3708	32818	Special	-	Straight, Tapered	65	2.56	ME850B	Eaton
Yes	Yes	Rineer Vane	Fixed or two speed	852	52	206	3000	241	3500	800	1000	2,525	22,345	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	852	52	310	4500	350	5000	800	1000	3,787	33,517	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	860	52.48	250	3625	470	6815	195	NA	6,159	54,511	4-Bolt	-	Flange & various	NA	NA	MCR10	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	909	55.5	206	3000	241	3500	500	600	2679	23711	SAE D Based	-	16T	53.98	2.125	MV057A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	909	55.5	310	4500	350	5000	500	600	4089	36191	SAE D Based	-	18T	60.3	2.375	MV057D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	934	57	206	3000	241	3500	600	800	2768	24493	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	934	57	310	4500	350	5000	600	800	4152	36740	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	940	57.36	250	3625	470	6815	178	NA	6,732	59,583	4-Bolt	-	Flange & various	NA	NA	MCR10	Bosch Rexroth
Yes	Yes	Radial Piston	Cam Lobe	943	57.5	450	6527	450	6527	185	185	7497	66354	Special	Special	NFE Spline, DIN Spline, Wheel Flange	80	3.15	MS11	Poclain Hydraulics
Yes	Yes	Rineer Vane	Fixed or two speed	951	58	206	3000	241	3500	700	950	2,816	24,923	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	951	58	310	4500	350	5000	700	950	4,224	37,385	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
yes	yes	Radial piston	fixed	983	59.98	250	3625	293	4248.5	300		46944	34620	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	983	59.98	250	3625	293	4248.5	200		46944	34620	no	no	multiple			HMB	Kawasaki
Yes	Yes	Rineer Vane	Fixed displacement	983	60	206	3000	241	3500	350	400	2967	26260	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	983	60	310	4500	350	5000	300	350	4450	39386	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1032	63	206	3000	241	3500	600	800	3059	27072	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1032	63	310	4500	350	5000	600	800	4589	40607	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1049	64	206	3000	241	3500	700	950	3108	27501	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1049	64	310	4500	350	5000	700	950	4661	41252	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	1114	68	206	3000	241	3500	350	400	3399	30084	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	1114	68	310	4500	350	5000	300	350	5099	45130	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	1120	68.35	250	3625	420	6090	150	NA	7,130	63,105	4-Bolt	-	Flange & various	NA	NA	MCR10	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	1130	68.96	250	3625	470	6815	150	NA	8,093	71,629	N/A	-	Flange & various	NA	NA	MCR15	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1131	69	206	3000	241	3500	600	800	3,350	29,650	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1131	69	310	4500	350	5000	600	800	5,026	44,475	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1131	128	206	3000	241	3500	350	400	6215	55003	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1131	128	310	4500	350	5000	300	350	9323	82504	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1213	74	206	3000	241	3500	600	800	3,566	31,562	SAE D Based	-	16T	53.98	2.125	MV037A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1213	74	310	4500	350	5000	600	800	5,442	48,166	SAE D Based	-	18T	60.3	2.375	MV037D	Bosch Rexroth
yes	yes	axial piston	fixed	1230	75.05	276	4002			115		64849	47824	no	no	JIS			M2X-RG	Kawasaki
Yes	Yes	Radial Piston	Fixed displacement	1250	76.28	250	3625	420	6090	135	NA	7,958	70,434	4-Bolt	-	Flange & various	NA	NA	MCR10	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	1250	76.28	250	3625	470	6815	150	NA	8,952	79,231	N/A	-	Flange & various	NA	NA	MCR15	Bosch Rexroth
Yes	Yes	Radial Piston	Fixed displacement	1340	81.77	250	3625	420	6090	125	NA	8,531	75,505	4-Bolt	-	Flange & various	NA	NA	MCR10	Bosch Rexroth
yes	yes	Radial piston	fixed	1344	82.00	250	3625	293	4248.5	300		64184	47334	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	1344	82.00	250	3625	293	4248.5	150		64184	47334	no	no	multiple			HMB	Kawasaki
Yes	Yes	Rineer Vane	Fixed displacement	1344	82	206	3000	241	3500	300	350	4100	36288	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	1344	82	310	4500	350	5000	300	350	6150	54432	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	No	Axial Piston	Fixed displacement	1345	82.07	245	3553	319	4627	200	390	5250	46466	Special	-	JIS-14T	79	3.11	ME1300A	Eaton
Yes	No	Axial Piston	Fixed displacement	1345	82.07	245	3553	319	4627	200	390	5250	46466	Special	-	SAE-15T	80.16	3.16	ME1300A	Eaton
Yes	No	Axial Piston	Fixed displacement	1345	82.07	245	3553	319	4627	200	390	5250	46466	Special	-	Straight, Tapered	80	3.15	ME1300A	Eaton
No	Yes	Axial Piston	Fixed displacement	1345	82.07	245	3553	319	4627	200	390	5250	46466	Special	-	JIS-14T	79	3.11	ME1300A	Eaton
No	Yes	Axial Piston	Fixed displacement	1345	82.07	245	3553	319	4627	200	390	5250	46466	Special	-	SAE-15T	80.16	3.16	ME1300A	Eaton
No	Yes	Axial Piston	Fixed displacement	1345	82.07	245	3553	319	4627	200	390	5250	46466	Special	-	Straight, Tapered	80	3.15	ME1300A	Eaton
Yes	Yes	Radial Piston	Fixed displacement	1500	91.54	250	3625	470	6815	150	NA	10,743	95,083	N/A	-	Flange & various	NA	NA	MCR15	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1574	96	206	3000	241	3500	500	600	4,661	41,252	SAE D Based	-	16T	53.98	2.125	MV057A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1574	96	310	4500	350	5000	500	600	6,992	61,878	SAE D Based	-	18T	60.3	2.375	MV057D	Bosch Rexroth
yes	yes	Radial piston	variable	1600	97.62	250	3625	275	3987.5	365		76409.804	56349.413	no	no	multiple			HMC	Kawasaki
yes	yes	Radial piston	variable	1600	97.62	250	3625	275	3987.5	365		76409.804	56349.413	no	no	multiple			HPC	Kawasaki
Yes	Yes	Rineer Vane	Fixed displacement	1606	98	206	3000	241	3500	300	350	4866	83068	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	1606	98	310	4500	350	5000	300	350	7298	64593	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm³/rev	in³/rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes	axial piston	fixed	1610	98.23	207	3001.5			190		63663	46949	no	no	JIS			M3X-RG	Kawasaki
yes	yes	axial piston	variable	1610	98.23	207	3001.5			190		63663	46949	no	no	JIS			M3B-RG	Kawasaki
yes	yes	Radial piston	fixed	1639	100.00	250	3625	293	4248.5	250		78272	57723	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	1639	100.00	250	3625	293	4248.5	125		78272	57723	no	no	multiple			HMB	Kawasaki
Yes	Yes	Rineer Vane	Fixed or two speed	1696	103	206	3000	241	3500	500	600	5001	44260	SAE D Based	-	16T	53.98	2.125	MV057A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1696	103	310	4500	350	5000	500	600	7502	66390	SAE D Based	-	18T	60.3	2.375	MV057D	Bosch Rexroth
Yes	Yes	Radial Piston	Cam Lobe	1747	106.5	450	6527	450	6527	125	125	12501	110643	Special	Special	NFE Spline, DIN Spline, Wheel Flange	90	3.54	MS18	Poclair Hydraulics
Yes	Yes	Radial Piston	Fixed displacement	1780	108.62	250	3625	420	6090	125	NA	11,332	100,296	N/A		Flange & various	NA	NA	MCR15	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1818	111	206	3000	241	3500	500	600	5,390	47,698	SAE D Based	-	16T	53.98	2.125	MV057A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1818	111	310	4500	350	5000	500	600	8,085	71,546	SAE D Based	-	18T	60.3	2.375	MV057D	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	1852	113	206	3000	241	3500	300	350	5600	49564	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	1852	113	310	4500	350	5000	300	350	8398	74329	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	No	Axial Piston	Fixed displacement	1868	114	245	3553	319	4627	140	260	7290	64522	Special	-	JIS-17T	95	3.74	ME1900	Eaton
Yes	No	Axial Piston	Fixed displacement	1868	114	245	3553	319	4627	140	260	7290	64522	Special	-	SAE-18T	95.4	3.76	ME1900	Eaton
Yes	No	Axial Piston	Fixed displacement	1868	114	245	3553	319	4627	140	260	7290	64522	Special	-	Straight, Tapered	100	3.94	ME1900	Eaton
No	Yes	Axial Piston	Fixed displacement	1868	114	245	3553	319	4627	140	260	7290	64522	Special	-	JIS-17T	95	3.74	ME1900	Eaton
No	Yes	Axial Piston	Fixed displacement	1868	114	245	3553	319	4627	140	260	7290	64522	Special	-	SAE-18T	95.4	3.76	ME1900	Eaton
No	Yes	Axial Piston	Fixed displacement	1868	114	245	3553	319	4627	140	260	7290	64522	Special	-	Straight, Tapered	100	3.94	ME1900	Eaton
Yes	Yes	Rineer Vane	Fixed or two speed	1966	120	206	3000	241	3500	350	400	5827	51565	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	1966	120	310	4500	350	5000	300	350	8740	77347	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	Radial piston	variable	2048	124.95	250	3625	275	3987.5	300		97804.549	72127.249	no	no	multiple			HMC	Kawasaki
yes	yes	Radial piston	variable	2048	124.95	250	3625	275	3987.5	300		97804.549	72127.249	no	no	multiple			HPC	Kawasaki
Yes	Yes	Rineer Vane	Fixed displacement	2048	125	206	3000	241	3500	300	350	6239	55220	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed displacement	2048	125	310	4500	350	5000	300	350	9359	82834	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	Radial piston	fixed	2050	125.08	250	3625	293	4248.5	220		97900	72198	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	2050	125.08	250	3625	293	4248.5	100		97900	72198	no	no	multiple			HMB	Kawasaki
Yes	Yes	Radial Piston	Fixed displacement	2150	131.2	250	3625	420	6090	125	NA	13,687	121,140	N/A		Flange & various	NA	NA	MCR15	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2229	136	206	3000	241	3500	350	400	6604	58440	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2229	136	310	4500	350	5000	300	350	9906	87660	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2327	142	206	3000	241	3500	300	350	6895	61019	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2327	142	310	4500	350	5000	300	350	10343	91528	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2458	150	206	3000	241	3500	300	350	7284	64456	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2458	150	310	4500	350	5000	300	350	10295	96684	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	Radial piston	fixed	2470	150.70	250	3625	293	4248.5	220		117958	86989	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	2470	150.70	250	3625	293	4248.5	168		117958	86989	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	2470	150.70	250	3625	293	4248.5	80		117958	86989	no	no	multiple			HMB	Kawasaki
Yes	Yes	Radial Piston	Cam Lobe	2498	154.4	450	6527	450	6527	137	137	17874	158198	Special	Special	NFE Spline, DIN Spline, Wheel Flange	100	3.94	MS25	Poclair Hydraulics
Yes	No	Axial Piston	Fixed displacement	2578	157.3	245	3553	319	4627	110	230	10070	89127	Special	-	JIS-18T	100	3.94	ME2600	Eaton
Yes	No	Axial Piston	Fixed displacement	2578	157.3	245	3553	319	4627	110	230	10070	89127	Special	-	SAE-20T	105.56	4.16	ME2600	Eaton
Yes	No	Axial Piston	Fixed displacement	2578	157.3	245	3553	319	4627	110	230	10070	89127	Special	-	Straight, Tapered	110	4.33	ME2600	Eaton
No	Yes	Axial Piston	Fixed displacement	2578	157.3	245	3553	319	4627	110	230	10070	89127	Special	-	JIS-18T	100	3.94	ME2600	Eaton
No	Yes	Axial Piston	Fixed displacement	2578	157.3	245	3553	319	4627	110	230	10070	89127	Special	-	SAE-20T	105.56	4.16	ME2600	Eaton
No	Yes	Axial Piston	Fixed displacement	2578	157.3	245	3553	319	4627	110	230	10070	89127	Special	-	Straight, Tapered	110	4.33	ME2600	Eaton
Yes	Yes	Rineer Vane	Fixed or two speed	2589	158	206	3000	241	3500	300	350	7672	67894	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2589	158	310	4500	350	5000	300	350	11508	101841	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	axial piston	fixed	2590	158.02	260	3770	260	3770	92		128636	94864	no	no	JIS			M5X-RG	Kawasaki
yes	yes	axial piston	fixed	2590	158.02	324	4698	324	4698	92		160300	118215	no	no	JIS			M5X-RG	Kawasaki
Yes	Yes	Rineer Vane	Fixed or two speed	2687	164	206	3000	241	3500	300	350	7963	70472	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2687	164	310	4500	350	5000	300	350	11945	105708	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2720	166	206	3000	241	3500	300	350	8060	71332	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2720	166	310	4500	350	5000	300	350	12091	106997	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth



Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
Yes	Yes	Rineer Vane	Fixed or two speed	2835	173	206	3000	241	3500	300	350	8400	74340	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2835	173	310	4500	350	5000	300	350	12601	111509	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2950	180	206	3000	241	3500	300	350	8740	77347	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2950	180	310	4500	350	5000	300	350	13110	116021	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2966	181	206	3000	241	3500	300	350	8789	77777	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	2966	181	310	4500	350	5000	300	350	13183	116666	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	axial piston	fixed	3010	183.65	207	3001.5			150		119022	87774	no	no	JIS			M3X-RG	Kawasaki
yes	yes	axial piston	variable	3010	183.65	207	3001.5			150		119022	87774	no	no	JIS			M3B-RG	Kawasaki
Yes	Yes	Rineer Vane	Fixed or two speed	3032	185	206	3000	241	3500	300	350	8983	79496	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3032	185	310	4500	350	5000	300	350	13475	119244	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	Radial piston	fixed	3080	187.92	250	3625	293	4248.5	175		147089	108473	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	3080	187.92	250	3625	293	4248.5	135		147089	108473	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	fixed	3080	187.92	250	3625	293	4248.5	65		147089	108473	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	variable	3080	187.92	250	3625	275	3987.5	230		147088.873	108472.620	no	no	multiple			HMC	Kawasaki
yes	yes	Radial piston	variable	3087	188.35	250	3625	275	3987.5	230		147423.166	108719.149	no	no	multiple			HPC	Kawasaki
Yes	No	Axial Piston	Fixed displacement	3104	189.41	245	3553	319	4627	110	230	12120	107271	Special	-	JIS-17T	94	3.70	ME3100	Eaton
Yes	No	Axial Piston	Fixed displacement	3104	189.41	245	3553	319	4627	110	230	12120	107271	Special	-	SAE-18T	95.4	3.76	ME3100	Eaton
Yes	No	Axial Piston	Fixed displacement	3104	189.41	245	3553	319	4627	110	230	12120	107271	Special	-	Straight, Tapered	95	3.74	ME3100	Eaton
No	Yes	Axial Piston	Fixed displacement	3104	189.41	245	3553	319	4627	110	230	12120	107271	Special	-	JIS-17T	94	3.70	ME3100	Eaton
No	Yes	Axial Piston	Fixed displacement	3104	189.41	245	3553	319	4627	110	230	12120	107271	Special	-	SAE-18T	95.4	3.76	ME3100	Eaton
No	Yes	Axial Piston	Fixed displacement	3104	189.41	245	3553	319	4627	110	230	12120	107271	Special	-	Straight, Tapered	95	3.74	ME3100	Eaton
Yes	Yes	Rineer Vane	Fixed or two speed	3163	193	206	3000	241	3500	300	350	9372	82934	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3163	193	310	4500	350	5000	300	350	14057	124401	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3195	195	206	3000	241	3500	300	350	9469	83793	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3195	195	310	4500	350	5000	300	350	14203	125690	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3212	196	206	3000	241	3500	300	350	9517	84223	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3212	196	310	4500	350	5000	300	350	14276	126334	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3392	207	206	3000	241	3500	300	350	10051	88950	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3392	207	310	4500	350	5000	300	350	15077	133424	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	axial piston	fixed	3400	207.44	255	3697.5	255	3697.5	84		165618	122137	no	no	JIS			M5X-RG	Kawasaki
Yes	Yes	Rineer Vane	Fixed or two speed	3458	211	206	3000	241	3500	300	350	10246	90668	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3458	211	310	4500	350	5000	300	350	15368	136003	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Radial Piston	Cam Lobe	3494	213.1	450	6527	450	6527	130	130	24998	221251	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Shrink Disk	120	4.72	MS35	Poclain Hydraulics
yes	yes	Radial piston	variable	3555	216.90	250	3625	275	3987.5	220		169773.033	125201.352	no	no	multiple			HPC	Kawasaki
Yes	Yes	Rineer Vane	Fixed or two speed	3654	223	206	3000	241	3500	300	350	10828	95825	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3654	223	310	4500	350	5000	300	350	16242	143737	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3703	226	206	3000	241	3500	300	350	10974	97114	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3703	226	310	4500	350	5000	300	350	16461	145671	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3900	238	206	3000	241	3500	300	350	11557	102271	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	3900	238	310	4500	350	5000	300	350	17335	153406	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
Yes	No	Axial Piston	Fixed displacement	4097	250	245	3553	319	4627	75	200	15990	141523	Special	-	JIS-22T	120	4.72	ME4100	Eaton
Yes	No	Axial Piston	Fixed displacement	4097	250	245	3553	319	4627	75	200	15990	141523	Special	-	SAE-23T	120.8	4.76	ME4100	Eaton
Yes	No	Axial Piston	Fixed displacement	4097	250	245	3553	319	4627	75	200	15990	141523	Special	-	Straight, Tapered	130	5.12	ME4100	Eaton
No	Yes	Axial Piston	Fixed displacement	4097	250	245	3553	319	4627	75	200	15990	141523	Special	-	JIS-22T	120	4.72	ME4100	Eaton
No	Yes	Axial Piston	Fixed displacement	4097	250	245	3553	319	4627	75	200	15990	141523	Special	-	SAE-23T	120.8	4.76	ME4100	Eaton
No	Yes	Axial Piston	Fixed displacement	4097	250	245	3553	319	4627	75	200	15990	141523	Special	-	Straight, Tapered	130	5.12	ME4100	Eaton
Yes	Yes	Rineer Vane	Fixed or two speed	4097	250	206	3000	241	3500	300	350	12139	107427	6-Bolt	-	20T	88.9	3.5	MV125A, C	Bosch Rexroth
Yes	Yes	Rineer Vane	Fixed or two speed	4097	250	310	4500	350	5000	300	350	18209	161141	6-Bolt	-	24T	105.84	4.167	MV125H	Bosch Rexroth
yes	yes	Radial piston	fixed	4310	262.97	250	3625	293	4248.5	125		205829	151791	no	no	multiple			HMB	Kawasaki
Yes	Yes	Radial Piston	Cam Lobe	4498	304.8	450	6527	450	6527	111	111	35752	316432	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Shrink Disk	130	5.12	MS50	Poclain Hydraulics
yes	yes	axial piston	fixed	4540	277.00	287	4161.5	287	4161.5	67		248901	183555	no	no	JIS			M5X-RG	Kawasaki

Operation		Unit	Type	Displacement		Nominal Pressure		Peak Pressure		Speed (RPM)		Max Output Torque		Front Mounting		Output Shaft - Diameter			Product Series	Company
Open Loop	Closed Loop			cm <sup>3</sup> /rev	in <sup>3</sup> /rev	bar	psi	bar	psi	Continuous	Max.	N-m	lb.-in.	SAE	ISO	SAE Code	mm	inches		
yes	yes	Radial piston	variable	4588	279.93	250	3625	275	3987.5	150		219105.113	161581.942	no	no	multiple			HMC	Kawasaki
yes	yes	Radial piston	variable	4588	279.93	250	3625	275	3987.5	150		219105.113	161581.942	no	no	multiple			HPC	Kawasaki
yes	yes	axial piston	fixed	5120	312.39	197	2856.5			130		192675	142091	no	no	JIS			M3X-RG	Kawasaki
yes	yes	axial piston	variable	5120	312.39	197	2856.5			130		192675	142091	no	no	JIS			M3B-RG	Kawasaki
yes	yes	Radial piston	fixed	5310	323.98	250	3625	293	4248.5	100		253585	187010	no	no	multiple			HMB	Kawasaki
yes	yes	Radial piston	variable	5326	324.95	250	3625	275	3987.5	130		254349.135	187573.109	no	no	multiple			HMC	Kawasaki
yes	yes	Radial piston	variable	5326	324.95	250	3625	275	3987.5	130		254349.135	187573.109	no	no	multiple			HPC	Kawasaki
yes	yes	Radial piston	fixed	6800	414.89	250	3625	293	4248.5	120		324742	239485	no	no	multiple			HMB	Kawasaki
Yes	Yes	Radial Piston	Cam Lobe	8328	507.9	450	6527	450	6527	80	80	59589	530062	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Female Spline, Shrink Disk	150	5.91	MS83	Poclain Hydraulics
Yes	Yes	Radial Piston	Cam Lobe	12500	762.4	380	5511	380	5511	60	60	89437	791584	Special	Special	NFE Spline, DIN Spline, Wheel Flange, Female Spline, Shrink Disk	150	5.91	MS125	Poclain Hydraulics
Yes	Yes	Radial Piston	Cam Lobe	25000	1524.8	415	6019	415	6019	72	72	178875	1583178	Special	Special	DIN Spline, Shrink Disk	200	7.87	MI250	Poclain Hydraulics