

Genuine Metaris Orbital Motors

Economical and Compact



Your Best Low Speed High Torque Motor Option

Genuine Metaris Orbital Motors are your best low speed high torque motor option in an economical and compact design. Utilizing proven Roller-Star technology, these motors allow for high efficiency, smooth operation and a long operational life. The motors come equipped with a high pressure shaft seal and also come in a wide range of displacements. The Genuine Metaris Orbital Motor is a functional replacement for common motors in the market today such as Eaton®/Char-Lynn®, Danfoss®, Parker® and White®.

- Displacements from 3.1in³/r (50cm³/r) to 76.3in³/r (1250cm³/r)
- Roller Star technology, as opposed to Geroter
- High efficiency, smooth operation and long service life
- Spool valve and disc valve units
- Multiple flange options including wheel mount
- Wide variety of shaft options: straight, splined, tapered, with flat keys, woodruff keys, crossholes and nuts
- Multiple port styles and sizes
- Fit and function replacements for common OEM motors



Applications

Sweepers	Cranes
Seeders	Boom Drives
Food Processing	Fork Lifts
Car Wash Equipment	Marine Equipment
Saw Mills	Rudder Controls
Turf Equipment	Backhoes
Concrete Equipment	Chippers
Railroad Maintenance	Salt Spreaders
Combines	Plastics Machinery
Loaders	Rubber Machinery
Wheel Drives	Feed Rollers

Proven Performance

Roller-Star Technology Benefits

Orbital motors that utilize Roller-Star technology over Geroter technology demonstrate a variety of valuable benefits that allow for a more efficient, reliable and longer lasting product.

- Lower friction
- Higher mechanical efficiency
- Higher start-up torque
- Smooth low speed operation
- Less wear on rollers
- Longer service life



Specifications

Motor Series	Displacement		Max Torque				Max Speed		Max Pressure Drop			
	(in ³ /r)	(cm ³ /r)	Cont. (lb-in)	(Nm)	Int. (lb-in)	(Nm)	Cont. rpm	Int. rpm	Cont. (psi)	(bar)	Int. (psi)	(bar)
MMPS	3.1 - 24.1	50 - 395	823 - 3797	93 - 429	929 - 4054	105 - 458	750 - 133	875 - 141	2002 - 1204	138 - 83	2248 - 1305	155 - 90
MMRSW	3.1 - 24.1	50 - 395	885 - 5487	100 - 620	1151 - 6505	130 - 735	775 - 150	970 - 185	2031 - 1668	140 - 115	2538 - 2176	175 - 150
MMH	12.2 - 48.8	200 - 800	4425 - 10143	500 - 1146	5071 - 12170	573 - 1375	360 - 100	470 - 120	2538 - 1450	175 - 100	2901 - 1740	200 - 100
MMW	12.2 - 48.8	200 - 800	4425 - 10143	500 - 1146	5071 - 12170	573 - 1375	360 - 100	470 - 120	2538 - 1450	175 - 100	2901 - 1740	200 - 100
MMS	4.9 - 29.9	80 - 490	1726 - 7479	195 - 845	2700 - 8231	305 - 930	799 - 153	908 - 230	2466 - 1740	170 - 120	3989 - 2031	275 - 140
MMK	6.7 - 38.1	110 - 625	2832 - 8585	320 - 970	4160 - 10444	470 - 1180	697 - 151	868 - 241	2973 - 1668	205 - 115	4496 - 2031	310 - 140
MMT	11.9 - 60.1	195 - 985	4204 - 13896	475 - 1570	6815 - 16595	770 - 1875	775 - 153	866 - 230	2466 - 1740	170 - 120	3989 - 2031	275 - 140
MMV	18.9 - 76.3	310 - 1250	8143 - 24251	920 - 2740	9824 - 27614	1110 - 3120	510 - 160	630 - 190	2901 - 2176	200 - 150	3481 - 2466	240 - 170

Visit www.orbitalmotors.net for more information

For quoting and ordering please contact us at: 1-800-238-0155 or email us at: sales@flinthydrostatics.com



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