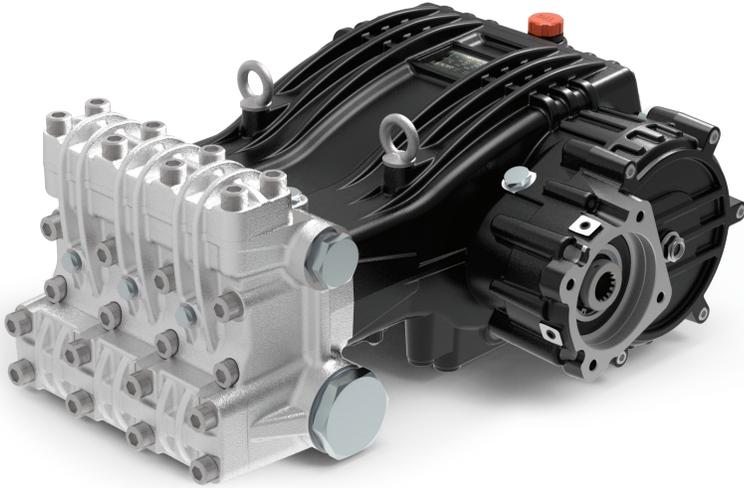




HXR1-M MI SERIES

2.722:1 Gear Reduction Models

50mm Solid Keyed Shaft
2200 RPM



- Anodized Aluminum Crank Case
- Nickel-Plated Manifold
- Stainless Steel Check Valves
- Heavy Duty Bronze Connecting Rods
- Heavy Duty Roller Bearings
- 2-1/2" BSP-F Inlet. 1-1/4" BSP-F Outlet
- Max Fluid Temp, 160°F

HXR MISeries Plunger Pumps

HXR MI Series industrial duty plunger pumps are rated at 32.9 to 104.4 GPM and pressures up to 4350 PSI.

Gear reduction models are available in 1500, 1800 or 2200 RPM models with a 50mm solid, keyed shaft.

Applications include sewer jetting, hydro-excavation, fire fighting, mining and street cleaning.

| | Model | Flow | | Pressure | | Plunger Dia. | Crankshaft | | Power | Seal Kit | Valve Kit | Wt. |
|--------------------|---------------------|-------|-------|----------|-----|--------------|------------|------|------------|----------|-----------|-----------|
| | | GPM | l/min | PSI | bar | | Stroke | Code | | | | |
| 2200 RPM | HXR1-M 135/300 R MI | 32.9 | 124.5 | 4350 | 300 | 32mm | 70.0mm | 35 | 95.8 EBHP | 6700.09 | 6072.03 | 367.5 lbs |
| | HXR1-M 160/240 R MI | 42.9 | 162.5 | 3480 | 240 | 36mm | 70.0mm | 35 | 100.0 EBHP | 6700.10 | 6072.03 | 367.5 lbs |
| | HXR1-M 210/200 R MI | 54.4 | 206 | 2900 | 200 | 40mm | 70.0mm | 35 | 105.7 EBHP | 6700.07 | 6072.13 | 367.5 lbs |
| 2.722:1 Gear Ratio | HXR1-M 270/160 R MI | 68.7 | 260 | 2320 | 160 | 45mm | 70.0mm | 35 | 106.8 EBHP | 6700.08 | 6072.13 | 367.5 lbs |
| | HXR1-M 330/130 R MI | 86.1 | 326.0 | 1885 | 130 | 50mm | 70.0mm | 35 | 108.7 EBHP | 6072.14 | 6072.13 | 367.5 lbs |
| | HXR1-M 400/100 R MI | 104.4 | 395.1 | 1450 | 100 | 55mm | 70.0mm | 35 | 101.3 EBHP | 6072.16 | 6072.13 | 367.5 lbs |



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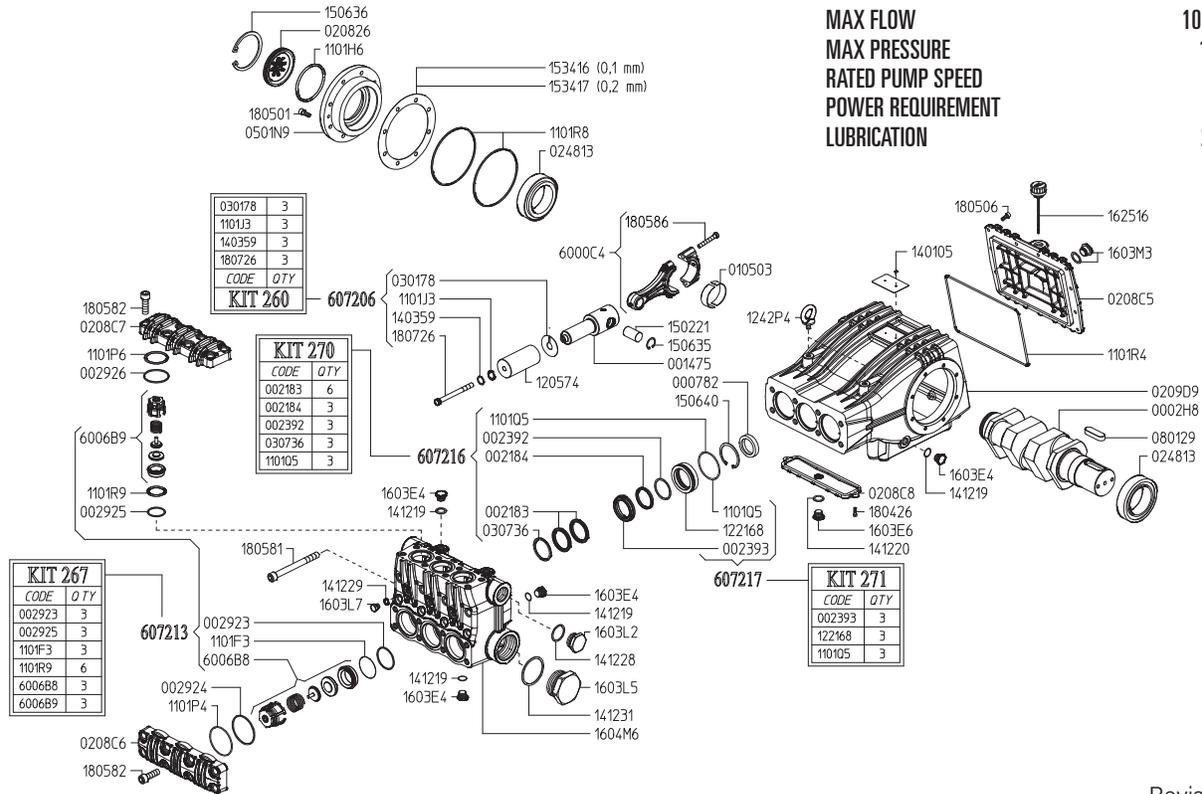
Scan this QR Code
for More Information

HXR1-M MI
2024A

HXR1-M 400/100 R MI

MAX FLOW
MAX PRESSURE
RATED PUMP SPEED
POWER REQUIREMENT
LUBRICATION

100 GPM / 379 L/MIN
1450 PSI / 100 BAR
2200 RPM
97.5 HP ELECTRIC
237 OZ 85W-90 OIL



Revised 2-5-2024

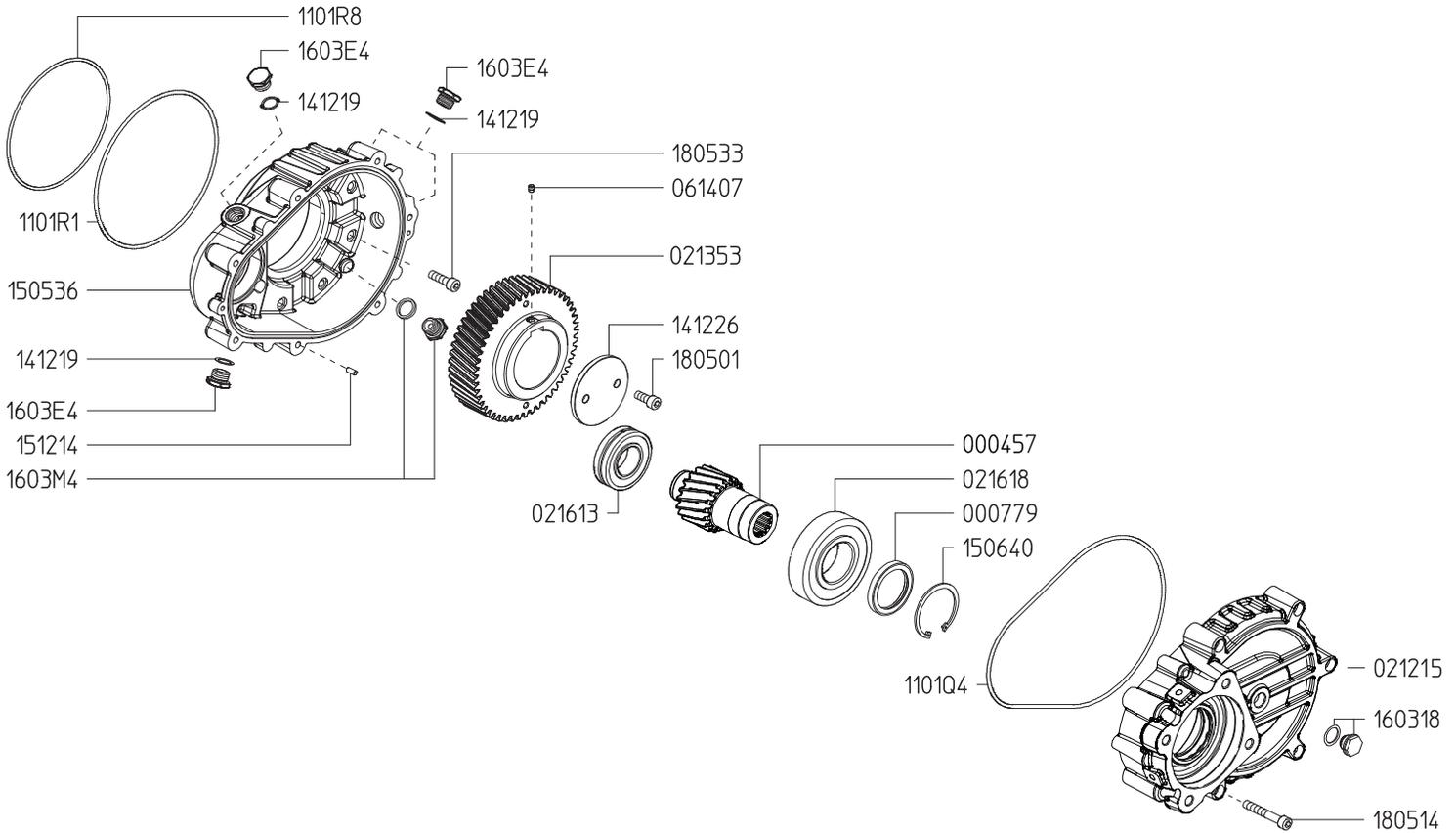
| Part # | Description | Qty | Part # | Description | Qty |
|---------|--|-----|----------------------|---|-----|
| 0002.H8 | PUMP CRANCKSHAFT | 1 | 1403.59 | WASHER ^A | 3 |
| 0007.82 | D40 VITON SHAFT SEAL | 3 | 1412.19 | BONDED SEAL G1/2" | 10 |
| 0014.75 | PLUNGER GUIDE | 3 | 1412.20 | BONDED SEAL G3/4" | 1 |
| 0021.83 | ANTI EXTRUSION RING ^B | 6 | 1412.28 | BONDED SEAL G1"1/4 | 1 |
| 0021.84 | LOW PRESSURE SEAL RING D55 ^B | 3 | 1412.29 | BONDED SEAL G1/4" | 3 |
| 0023.92 | SCRAPER RING D55 ^B | 3 | 1412.31 | BONDED SEAL G2"1/2 | 1 |
| 0023.93 | UPPER RING D55 ^C | 3 | 1502.21 | PIN | 3 |
| 0029.23 | ANTI EXTRUSION RING ^D | 3 | 1506.35 | SNAP RING D28 UNI7437 | 6 |
| 0029.24 | ANTI EXTRUSION RING | 3 | 1506.36 | SNAP RING D55 UNI7437 INOX | 1 |
| 0029.25 | ANTI EXTRUSION RING ^D | 3 | 1506.40 | SNAP RING D72 UNI7437 | 3 |
| 0029.26 | ANTI EXTRUSION RING | 3 | 1534.16 | SHIM 0,1mm | 1 |
| 0105.03 | BUSHING | 3 | 1534.17 | SHIM 0,2mm | 1 |
| 0208.26 | OIL LEVEL SIGHT GLASS | 1 | 1603.E4 | INOX PLUG G1/2" | 10 |
| 0208.C5 | REAR COVER | 1 | 1603.E6 | INOX PLUG G3/4" | 1 |
| 0208.C6 | VALVE COVER | 1 | 1603.L2 | INOX PLUG G1"1/4 | 1 |
| 0208.C7 | VALVE COVER | 1 | 1603.L5 | INOX PLUG G2"1/2 | 1 |
| 0208.C8 | INFERIOR COVER | 1 | 1603.L7 | INOX PLUG G1/4" | 3 |
| 0209.D9 | CRANCKCASE | 1 | 1603.M3 | OIL LEVEL SIGHT GLASS G3/4" | 1 |
| 0248.13 | BEARING | 2 | 1604.M6 | PUMP HEAD "HX-LP" | 1 |
| 0301.78 | SEPARATING DISC ^A | 3 | 1625.16 | OIL VENT PLUG G3/4" | 1 |
| 0307.36 | RING D55 ^B | 3 | 1804.26 | HEX SCREW M6X20 UNI 5739 ZINC PLATED | 2 |
| 0501.N9 | CLOSED BEARING FLANGE | 1 | 1805.01 | SOCKET HEAD SCREW M10X25 UNI5931 ZINC PLATED | 8 |
| 0801.29 | KEY A22X14X70 UNI6604-A | 1 | 1805.06 | SOCKET HEAD SCREW M8X20 UNI5931 ZINC PLATED | 12 |
| 1101.F3 | OR D60,32X3,53 RIF 164 90SHORE ^D | 3 | 1805.81 | SOCKET HEAD SCREW M18X180 UNI5931 12.9 GEOMET | 8 |
| 1101.H6 | OR D47,29X2,62 RIF 3187 | 1 | 1805.82 | SOCKET HEAD SCREW M18X60 UNI5931 12.9 GEOMET | 16 |
| 1101.J3 | OR D10,78X2,62 RIF 3043 90SHORE ^A | 3 | 1805.86 | HEX SCREW M10X65 | 6 |
| 1101.P4 | OR D73,02X3,53 RIF 176 | 3 | 1807.26 | HEX SCREW M12X130 DIN6921 INOX ^A | 3 |
| 1101.P6 | OR D57,15X3,53 RIF 161 | 3 | 6000.C4 | PISTON ROD SUBASSEMBLY | 3 |
| 1101.Q5 | OR D75,79X3,53 RIF 4300 ^{B,C} | 3 | 6006.B8 | VALVE SUBASSEMBLY ^D | 3 |
| 1101.R4 | OR D275,00x4,00 RIF 2750-40 | 1 | 6006.B9 | VALVE SUBASSEMBLY ^D | 3 |
| 1101.R8 | OR D158.3x3.53 RIF 4625 | 2 | ^A 6072.13 | KIT 267 | |
| 1101.R9 | OR D44,04X3,53 RIF 4175 90SHORE ^D | 3 | ^B 6072.16 | KIT 270 | |
| 1205.74 | PISTON D55 | 3 | ^C 6072.17 | KIT 271 | |
| 1221.68 | PRESSURE RING D55 ^C | 3 | ^D 6072.06 | KIT 260 | |
| 1242.P4 | M12 UNI-ISO3266 ZINC PLATED EYEBOLT | 2 | | | |

RH122 MI GEAR REDUCER

2.722:1 PTO GEAR REDUCTION

for HXR1-M ___ / ___ R MI PUMPS

REQUIRES 101 OZ. 85W-90 GEAR LUBE



Revised 2-2-2024

| Part # | Description | Qty | Part # | Description | Qty |
|---------|--------------------------------|-----|---------|--|-----|
| 0004.57 | PINION "RH 122 MI" | 1 | 1412.19 | BONDED SEAL G1/2" | 4 |
| 0007.79 | SHAFT SEAL D55 VITON | 1 | 1505.36 | GEARBOX CASE | 1 |
| 0212.15 | GEARBOX COVER - MI | 1 | 1506.40 | SNAP RING D72 UNI7437 ZINC PLATED | 1 |
| 0213.53 | GEAR "RH 122" | 1 | 1512.14 | CYLINDRICAL PIN D6,0X14 UNI-EN 28734 | 2 |
| 0216.13 | BEARING | 1 | 1603.18 | OIL LEVEL SIGHT GLASS PLUG G1/2" | 1 |
| 0216.18 | BEARING | 1 | 1603.E4 | INOX PLUG G1/2" | 4 |
| 0614.07 | SOCKET SET SCREW M8X10 UNI5929 | 1 | 1603.M4 | MAGNETIC PLUG G1/2" | 1 |
| 1101.R1 | OR D209,15X3,53 RIF 4825 | 1 | 1805.01 | SOCKET HEAD SCREW M10X25 UNI5931 ZINC PLATED | 2 |
| 1101.Q4 | OR D266,30X3,53 RIF 41050 | 1 | 1805.33 | SOCKET HEAD SCREW M10X35 UNI5931 ZINC PLATED | 8 |
| 1101.R8 | OR D158.3x3.53 RIF 4625 | 1 | 1805.14 | SOCKET HEAD SCREW M10X60 UNI5931 ZINC PLATED | 7 |
| 1412.26 | WASHER | 1 | | | |

