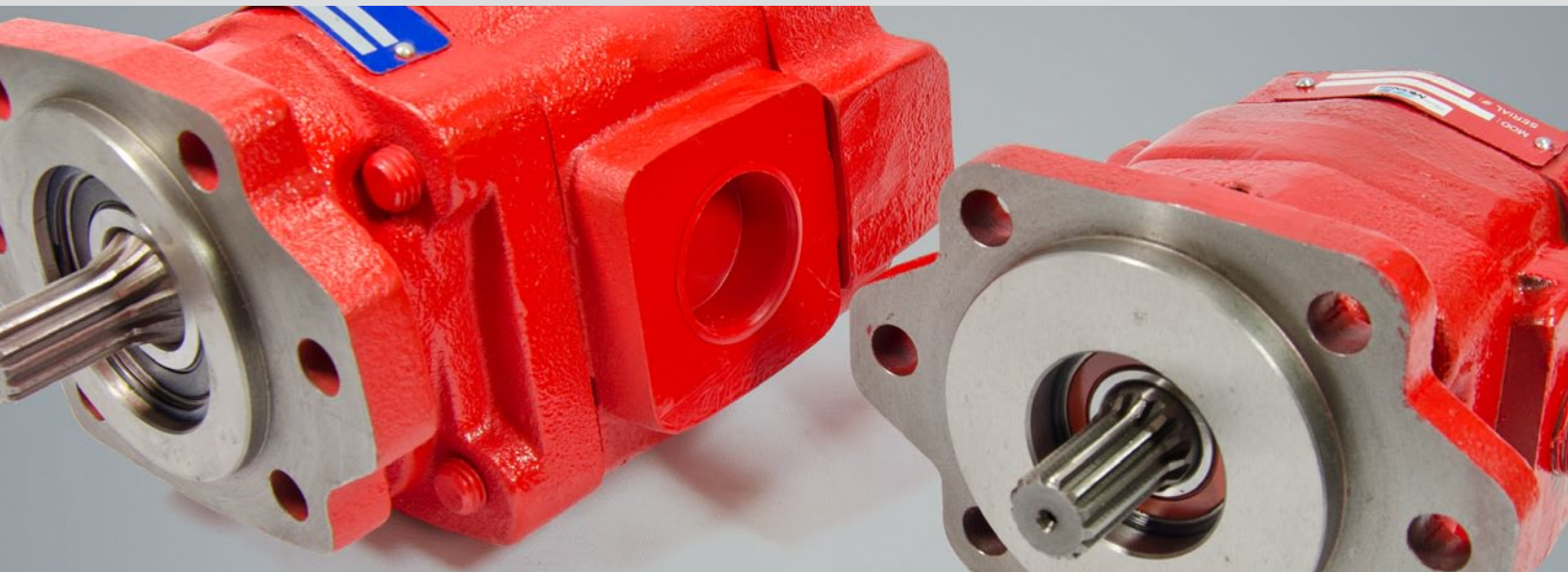


# Genuine Metaris MK & ML Series Gear Pumps

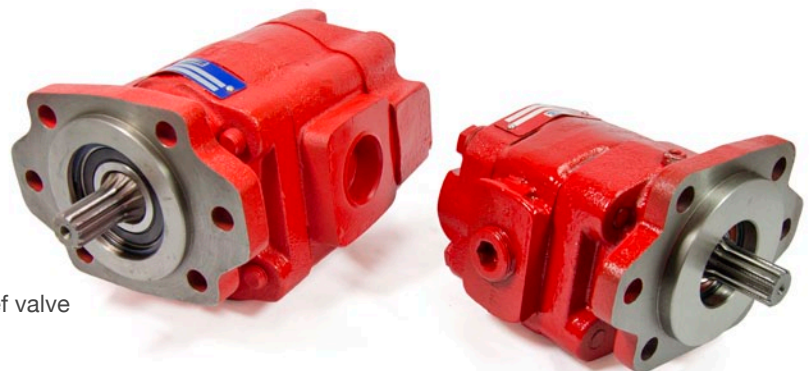
Specialty Gear Pumps & Motors



## Engineered for Versatility and Flexibility

Genuine Metaris MK20 & ML51 pumps & motors have a combination 2/4 bolt mounting flange & bi-rotational construction, giving you the option of installing as a pump or motor. Making these units the most flexible in today's cost minded market. The MK20's wide range of output flows/pressure ratings of up to 3000 psi and the ML51's large diameter dual porting (side & rear) will lower your inventory requirements and provide you with a popular and versatile product offering. The Genuine Metaris MK20 series and ML51 series are perfect alternatives to Muncie's® PK series and PL series pumps.

- Suitable for a variety of applications
- Multiple displacements and options available
- 11 different frame sizes
- Bi-rotational construction
- Combination 2/4 bolt mounting flange
- Pressures up to 3000 psi
- Dual porting - side and rear
- Speeds up to 2400 rpm
- ML51 has Hi-Flow body design for increased flow and performance, and also an option for an adjustable relief valve
- Alternatives for Muncie® PK and PL series



# MK20 Series Gear Pump & Motor

## Model Code Breakdown

**MK20B - 17 - D - N - X**

**Series**  
MK20B = 2/4 Bolt "B" mounting (Bi-rotational)

**Displacement**  
gpm (lpm) at 1000 rpm

4 = 4 (15)	13 = 13 (49)
6 = 6 (23)	15 = 15 (57)
8 = 8 (30)	17 = 17 (64)
11 = 11 (42)	

**Shaft Type**

D = 7/8" 13 tooth splined  
E = 7/8" keyed

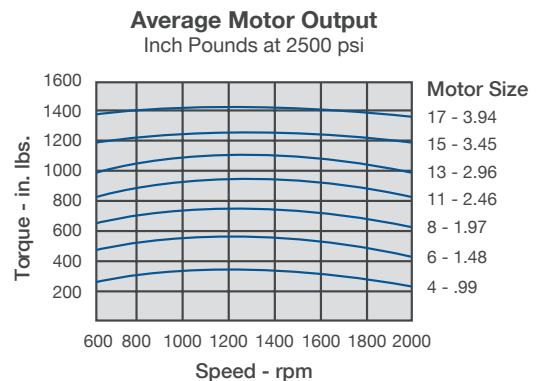
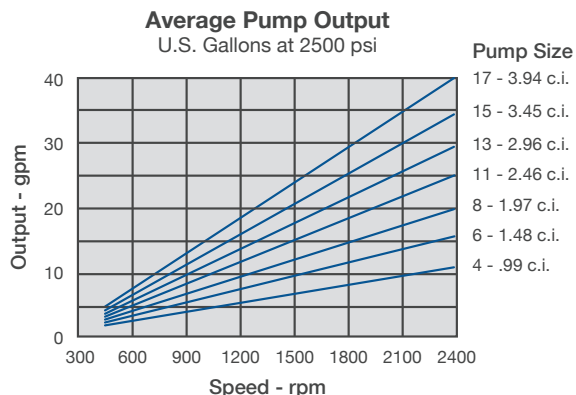
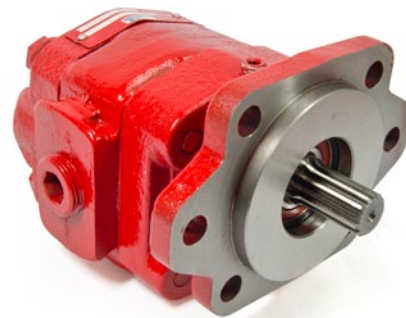
**Options**  
X = none

**Porting**

MK\*\*\*4\*N = 1/2" NPT side porting & 1" NPT rear porting  
 MK\*\*\*6\*N = 3/4" NPT side porting & 1" NPT rear porting  
 MK\*\*\*8\*N = 1" NPT side porting & 1" NPT rear porting  
 MK\*\*\*11\*N = 1" NPT side porting & 1" NPT rear porting  
 MK\*\*\*13\*N = 1-1/4" NPT side porting & 1" NPT rear porting  
 MK\*\*\*15\*N = 1-1/4" NPT side porting & 1" NPT rear porting  
 MK\*\*\*17\*N = 1-1/4" NPT side porting & 1" NPT rear porting  
 MK\*\*\*4\*O = 5/8" ORB side porting & 1" ORB rear porting  
 MK\*\*\*6\*O = 3/4" ORB side porting & 1" ORB rear porting  
 MK\*\*\*8\*O = 1" ORB side porting & 1" ORB rear porting  
 MK\*\*\*11\*O = 1" ORB side porting & 1" ORB rear porting  
 MK\*\*\*13\*O = 1-1/4" ORB side porting & 1" ORB rear porting  
 MK\*\*\*15\*O = 1-1/4" ORB side porting & 1" ORB rear porting  
 MK\*\*\*17\*O = 1-1/4" ORB side porting & 1" ORB rear porting

## Features

- Bi-rotational
- Pressures up to 3000 psi
- Speeds up to 2400 rpm
- Dual porting - side & rear, NPT or ORB
- Combination mounting flange - 2/4 Bolt, SAE "B"
- Options include: 7 Displacements, 2 Shaft options and 2 Porting types



# ML51 Series Gear Pump & Motor

## Model Code Breakdown

**ML51B - 19 - A - N - X**

### Series

**ML51B** = 2/4 Bolt "B" mounting (Bi-rotational)  
**ML51C** = 2/4 Bolt "C" mount S.E.C.

### Displacement

gpm (lpm) at 1000 rpm

**19** = 19 (72)  
**23** = 23 (87)  
**25** = 25 (95)  
**27** = 27 (102)

### Shaft Type

**A** = 7/8" 13 tooth splined  
**B** = 1" 15 tooth splined  
**C** = 1-1/4" SAE keyed

### Options

**X** = none  
**RL** = Counter-clockwise\*  
**RR** = Clockwise\*

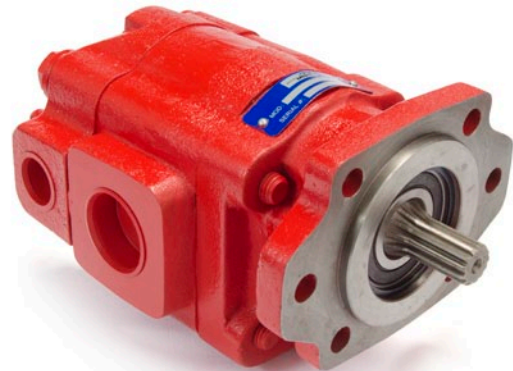
*\*Note: When a relief valve is required there is no rear porting available.*

### Porting

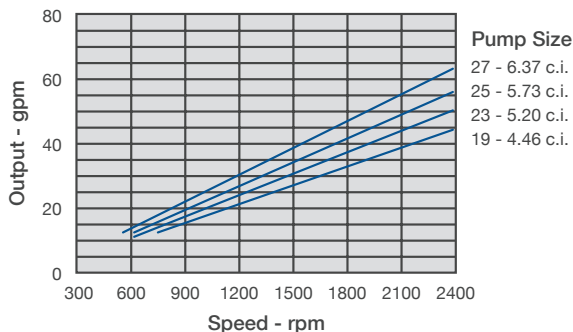
**ML\*\*\*19\*N** = 1-1/4" NPT side porting & 1-1/2" NPT rear porting  
**ML\*\*\*23\*N** = 1-1/4" NPT side porting & 1-1/2" NPT rear porting  
**ML\*\*\*25\*N** = 1-1/2" NPT side porting & 1-1/2" NPT rear porting  
**ML\*\*\*27\*N** = 1-1/2" NPT side porting & 1-1/2" NPT rear porting  
**ML\*\*\*19\*O** = 1-1/4" ORB side porting & 1-1/4" ORB rear porting  
**ML\*\*\*23\*O** = 1-1/4" ORB side porting & 1-1/4" ORB rear porting  
**ML\*\*\*25\*O** = 1-1/2" ORB side porting & 1-1/4" ORB rear porting  
**ML\*\*\*27\*O** = 1-1/2" ORB side porting & 1-1/4" ORB rear porting

## Features

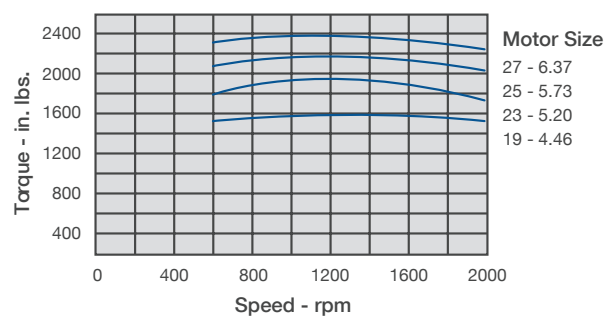
- Bi-rotational
- Pressures up to 3000 psi
- Speeds up to 2400 rpm
- Dual porting - side & rear, NPT or ORB
- Combination mounting flange - 2/4 Bolt, SAE "B" & "C"
- Hi-flow body design for increased flow and performance
- Options include: 4 Displacements, 3 Shaft options, 2 Porting types and an Adjustable Relief Valve - Integral



**Average Pump Output**  
U.S. Gallons at 2500 psi



**Average Motor Output**  
Inch Pounds at 2500 psi



# Hydraulex Global - A Recognized Global Leading Provider of High Quality Hydraulic Components



## Products We Offer

- Inline Piston Pumps
- Radial Piston Pumps & Motors
- Bent Axis Piston Pumps & Motors
- Fixed Volume Vane Pumps
- Variable Volume Vane Pumps
- Gear Pumps
- Vane Motors
- Axial Piston Motors
- High Speed Motors
- Servo Motors
- Orbital Motors
- Directional Valves
- Flow Control Valves
- Pressure Control Valves
- Relief Valves
- Check Valves
- Stack Valves
- Servo Valves
- Proportional Valves
- PTOs (Power Take-offs)
- Cylinders



Hydraulex Global Corporate  
48175 Gratiot Ave  
Chesterfield, MI 48051  
Toll Free: 800.422.4279  
Tel: 586.949.4240  
[www.hydraulex.com](http://www.hydraulex.com)

Hydraulex Global - Michigan	Tel: 586.949.4240
Hydraulex Global - Mississippi	Tel: 601.469.1987
Hydraulex Global - ON, Canada	Tel: 416.638.6000
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<a href="mailto:sales@ahx1.com">sales@ahx1.com</a>
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<a href="mailto:sales@h-r-d.com">sales@h-r-d.com</a>
<a href="mailto:sales@flinthydrostatics.com">sales@flinthydrostatics.com</a>



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