

# **HGM-P™**

## **LSHT WHEEL MOTOR**



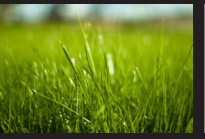
FORWARD MOTION THROUGH FORWARD THINKING®

# **HYDRO-GEAR®**

## **COMMERCIAL**



- Compact design
- Large 1 inch axle shaft
- Large bearing capacity
- High total efficiency
- No drain line required
- High starting torque
- Parking brake mount
- Motor timing for optimized efficiency
- Industry leading warranty and service support



SPECIFICATIONS		HGM-P			
Motor Size		-8P	-10P	-12P	-15P
Geometric Displacement	<i>in<sup>3</sup>/rev [cc/rev]</i>	7.65 [125.0]	9.53 [155.7]	11.91 [194.6]	14.83 [242.3]
<b>Maximum Speed</b>					
Continuous	<i>rpm</i>	480	385	310	250
Intermittent <sup>1)</sup>	<i>rpm</i>	600	480	385	310
<b>Maximum Torque</b>					
Continuous	<i>in-lbf [Nm]</i>	2120 [240]	2660 [300]	3190 [360]	3190 [360]
Intermittent <sup>1)</sup>	<i>in-lbf [Nm]</i>	2570 [290]	3280 [370]	3980 [450]	6461 [730]
Peak <sup>2)</sup>	<i>in-lbf [Nm]</i>	3280 [370]	3810 [430]	4780 [540]	4870 [550]
<b>Maximum Output</b>					
Continuous	<i>hp [kW]</i>	13.4 [10.0]	13.4 [10.0]	13.4 [10.0]	10.7 [8.0]
Intermittent <sup>1)</sup>	<i>hp [kW]</i>	16.1 [12.0]	16.1 [12.0]	16.1 [12.0]	14.1 [10.5]
<b>Maximum Pressure Drop</b>					
Continuous	<i>psi [bar]</i>	2030 [140]	2030 [140]	2030 [140]	1520 [105]
Intermittent <sup>1)</sup>	<i>psi [bar]</i>	2540 [175]	2540 [175]	2540 [175]	2030 [140]
Peak <sup>2)</sup>	<i>psi [bar]</i>	3260 [225]	3260 [225]	3260 [225]	2610 [180]
<b>Maximum Oil Flow</b>					
Continuous	<i>gpm [l/min]</i>	15.9 [60]	15.9 [60]	15.9 [60]	15.9 [60]
Intermittent <sup>1)</sup>	<i>gpm [l/min]</i>	19.8 [75]	19.8 [75]	19.8 [75]	19.8 [75]
Maximum Starting Pressure (with unloaded shaft)	<i>psi [bar]</i>	130 [9]	100 [7]	75 [5]	75 [5]
<b>Minimum Starting Torque (at maximum pressure drop)</b>					
Continuous	<i>in-lbf [Nm]</i>	1860 [210]	2480 [280]	3010 [340]	2920 [330]
Intermittent <sup>1)</sup>	<i>in-lbf [Nm]</i>	2390 [270]	3100 [350]	3720 [420]	3890 [440]
Minimum Speed <sup>3)</sup>	<i>rpm</i>	9	8	7	5
<b>Maximum Inlet Pressure</b>					
Continuous	<i>psi [bar]</i>	2540 [175]			
Intermittent <sup>1)</sup>	<i>psi [bar]</i>	2900 [200]			
Peak <sup>2)</sup>	<i>psi [bar]</i>	3260 [225]			
<b>Maximum Return Pressure</b>					
Continuous	<i>psi [bar]</i>	800 [55]			
Intermittent <sup>1)</sup>	<i>psi [bar]</i>	650 [45]			
Peak <sup>2)</sup>	<i>psi [bar]</i>	500 [35]			
Axle Shaft Diameter	<i>in [mm]</i>	1.00 [25.4]			
Weight of Unit	<i>lb [kg]</i>	13.7 [6.2]	14.1 [6.3]	14.6 [6.6]	15 [6.8]

1) Intermittent operation; the permissible values may occur for max. 10% of every minute.  
 2) Peak load; the permissible values may occur for max. 1% of every minute.  
 3) Operation at lower speeds may be slightly less smooth.



Specifications subject to change without notice.