

**There must be 3600
easy ways to put these
ultra-reliable
workhorses to use.**

**3600
Series**



Trouble-Free Versatility



The leading force behind liquids.

Applications

- Mixing, blending, recirculating and transferring heavy, viscous material in either a fixed or mobile transfer application.
- Ideal for gasoline, asphalt, molasses, ink, roofing compound and oils.

Features

- Heavy duty cast iron helical gears
- Bi-directional & self-priming
- Differential pressures to 125 psi
- Up to 468 gpm
- Standard operation up to 212°F
- Can be built to operate up to 450°F
- Maintenance-free durability

Options

- Through ports or right angled ports
- NPT threaded ports or bolt on NPT threaded flanges
- Internal relief valve
- Integral gear reducer
- Outboard bearing
- Mechanical seals or packing
- Available materials of construction include - Iron or Carbon bearings; stainless steel gears and shafts; Delrin® idler gears for 32, 43 & 48 models.

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3600 Series

Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
3611/3711	.11GPR(416.4 CC/REV)	750 RPM	82.5GPM (18.6 M ³ /HR)	125 PSI (8.6 Bar)	2" NPT Flange
4611/4711	.11GPR(416.4 CC/REV)	750 RPM	82.5GPM (18.6 M ³ /HR)	125 PSI (8.6 Bar)	2" NPT Flange
3617/3717	.17GPR(643.5 CC/REV)	750 RPM	127.5GPM (28.8 M ³ /HR)	125 PSI (8.6 Bar)	2" NPT Flange
4617/4717	.17GPR(643.5 CC/REV)	750 RPM	127.5GPM (28.8 M ³ /HR)	125 PSI (8.6 Bar)	3" NPT Flange
3622/3722	.22GPR(832.8 CC/REV)	750 RPM	165GPM (37.2 M ³ /HR)	125 PSI (8.6 Bar)	3" NPT Flange
4622/4722	.22GPR(832.8 CC/REV)	750 RPM	165GPM (37.2 M ³ /HR)	125 PSI (8.6 Bar)	4" NPT Flange
3632/3732	.32GPR(1211.33 CC/REV)	900 RPM	288GPM (65.4 M ³ /HR)	125 PSI (8.6 Bar)	3" NPT Flange
3643/3743	.43GPR(1627.73 CC/REV)	900 RPM	387GPM (87.9 M ³ /HR)	125 PSI (8.6 Bar)	3" NPT Flange
3648/3748	.52GPR(1817.0 CC/REV)	900 RPM	468GPM (106.2 M ³ /HR)	125 PSI (8.6 Bar)	4" NPT Flange
3658/3758	.58GPR(2195.53 CC/REV)	600 RPM	365GPM (82.9 M ³ /HR)	125 PSI (8.6 Bar)	4" NPT Flange
4658/4758	.58GPR(2195.53 CC/REV)	600 RPM	365GPM (82.9 M ³ /HR)	125 PSI (8.6 Bar)	4" NPT Flange

GEAR RATIOS AND CAPACITIES FOR GHB UNITS

	MOTOR RPM	GEAR RATIO	PUMP RPM	MAXIMUM PERMISSIBLE HP		MOTOR RPM	GEAR RATIO	PUMP RPM	MAXIMUM PERMISSIBLE HP
3611 through 4722	1150	4.60:1	250	5.5	3632 through 4758	1150	5.66:1	203	8.5
		3.94:1	290	6.5			4.88:1	235	10.0
		3.20:1	360	8.0			4.26:1	270	11.0
	1750	4.60:1	380	8.5		1750	5.66:1	309	13.0
		3.94:1	445	10.0			4.88:1	360	15.0
		3.20:1	545	10.0			4.26:1	410	15.0
	3450*	4.60:1	750	10.0		3450*	5.66:1	609	15.0

* 3450 rpm motors are used in handling low viscosity lubricating liquids

Key Features

Characteristics

- Four heavy duty sleeve bearings support pumping gears at both ends.
- Precise manufacturing tolerances provide minimum clearances for maximum pumping efficiency.
- Capable of pumping high or low viscosity fluids without adjustments to internal clearances.

Standard Materials of Construction

- Cast Iron housing
- Steel shaft
- Bronze bearings
- Hardened Iron gears



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