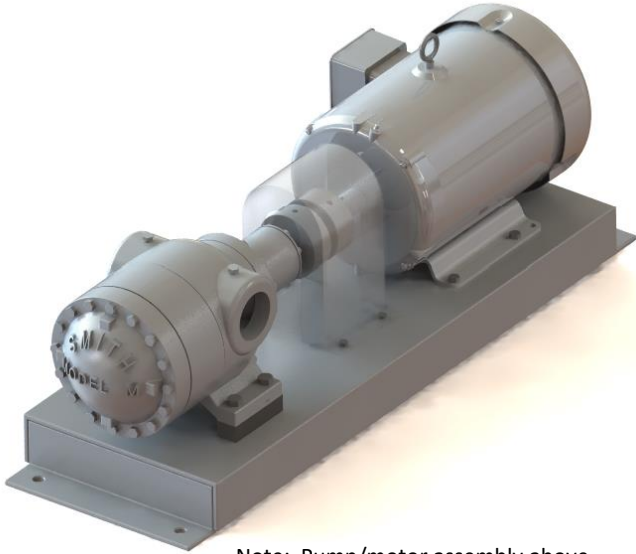


# Large Capacity Pumps

## MC-3/H SERIES PUMPS

Flow Rates of 83 – 100 GPM (315 – 380 LPM)



Note: Pump/motor assembly above comes with coupling guard protection

- Most popular pump for heavy duty bulk transfer
- Developed for 50 Hz Countries, the MC-3H has identical flow rate as the MC-3 (1800 RPM) when operated at 1500 RPM
- For increased pump longevity, operate a “non-H” pump at 1500 RPM or lower
- Our “F” type pumps come with flanges available in the threaded, butt-weld, or socket-weld versions
- Reversible for loading/unloading

Pumps Only		Average Delivery Rate		Max Differential Pressure	Inlet/ Outlet Size*	Motor**	NPSHr
Model	Motor Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	HP (kW)	Feet (meters)
MC-3, MC-3F <b>MAX 1800 RPM</b>	1800 (60 Hz)	84 GPM	70 GPM	125 PSI	2-1/2" 2" (flanged)	5 HP (3.7 kW) to 40 psid (3 bar)	1
	1500 (50 Hz)	(255 LPM)	(202 LPM)	(8 BAR)	(DN 65) (DN 50) flanged	7-1/2 HP (5.6 kW) over 75 psid (5 bar)	(0.3 m)
MC-3H, MC-3HF <b>MAX 1500 RPM</b>	1200 (60 Hz)	64 GPM	50 GPM	125 PSI	2-1/2" 2" (flanged)	5 HP (3.7 kW) to 40 psid (3 bar)	1
	1500 (50 Hz)	(318 LPM)	(265 LPM)	(8 BAR)	(DN 65) (DN 50) flanged	7-1/2 HP (5.6 kW) over 75 psid (5 bar)	(0.3 m)

\*Recommended liquid outlet size on supply tanks/inlet line size: 3" (DN 80)

\*\*Explosion Proof motors are UL listed and available in 1 or 3 phase electricity for 60 Hz (1800 RPM) or 50 Hz (1500 RPM) locations, 1 phase: 115/208-230V, 3 phase: 208/230/460 V. All motors contain thermal overload protection and are base mounted, direct drive as standard option with coupling and coupling guard. ATEX certified motors also available. For external dimension drawings, please visit [www.smithpumps.com](http://www.smithpumps.com).



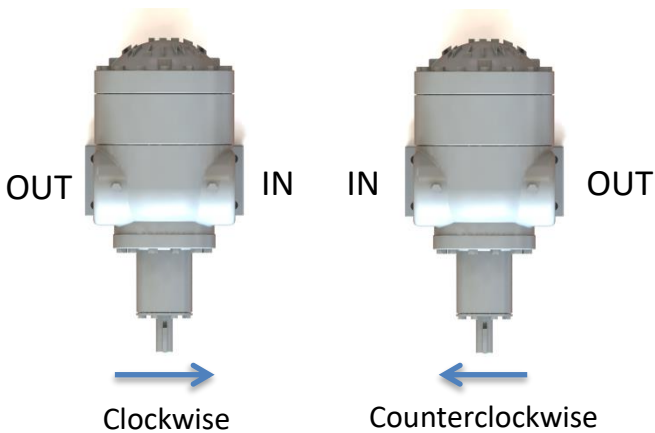
Threaded Flange



Butt-Weld Flange



Socket Weld Flange

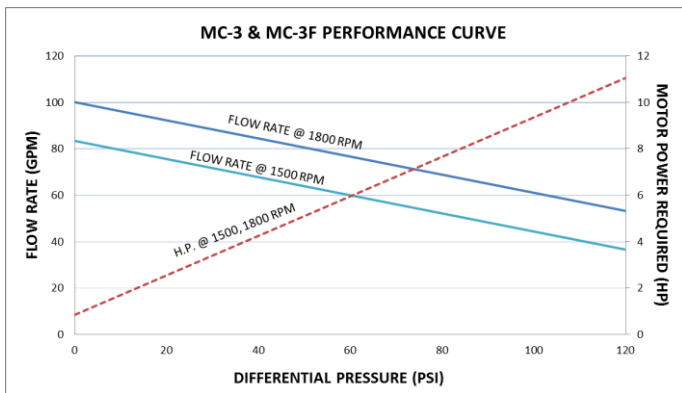


For models MC-3, MC-3F, MC-3H, MC-3HF

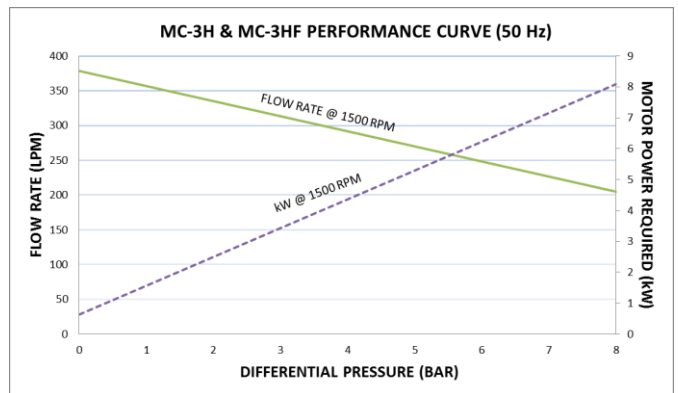
Model	Weight (Pump only)	Weight (Pump, base, coupling, coupling guard, motor)
MC-3, MC-3F, MC-3H, MC-3HF, MC-2Q	100 lbs (45 kg)	350-400 lbs* (159-182 kg)

\* Weight varies depending on motor, contact factory for specific weight

## Pump Performance Curves



Performance curves based on delivery rates of LP-gas at 70°F (21°C). Actual flow may be 10-15% greater than predicted. Delivery rates will be reduced by approximately 15% at temperatures approaching 32°F (0°C).



Note: For other liquid services or for more information on predicted pump output, please visit our pump performance calculator at [smithpumps.com](http://smithpumps.com).