

LOW RPM TRUCK PUMPS

TC-Series (Foot Mount) | Flow Rates of 35– 100 GPM (379 – 946 LPM)



TC-2Z

- Our low RPM truck pumps are designed for operation by power take off or by engine
- 4 Ports available for ease of pipework installation (3 ports for TC-1044H)
- Can be mounted sideways or upside down
- Available in flanged version
- Reversible
- No greasing or lubrication required

Pumps Only		Average Delivery Rate (See page 27 for pump performance curves)		Maximum Differential Pressure	Inlet/Outlet Size*	NPSHr
Model	Motor/PTO Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	Feet (meters)
TC-1044H MAX 900 RPM	900 RPM	30 GPM (114 LPM)	25 GPM (432 LPM)	125 PSI (8 BAR)	1-1/2" (DN 40)	1 ft (0.3 m).
TC-2, TC-2F MAX 500 RPM	500 RPM	42 GPM (159 LPM)	35 GPM (132 LPM)	125 PSI (8 BAR)	2-1/2" (DN 65) 2" flanged (DN 50)	1 ft. (0.3 m)
TC-3, TC-3F MAX 500 RPM	500 RPM	86 GPM (326 LPM)	70 GPM (265 LPM)	125 PSI (8 BAR)	2-1/2" (DN 65) 2" flanged (DN 50)	1 ft. (0.3 m)

*Recommended liquid outlet size on supply tanks/inlet line size: 1-1/2" -2" for TC-1044H; 2-3" for TC-2, TC-2F; 3" for TC-3, TC-3F

For external dimension drawings, please visit www.smithpumps.com.



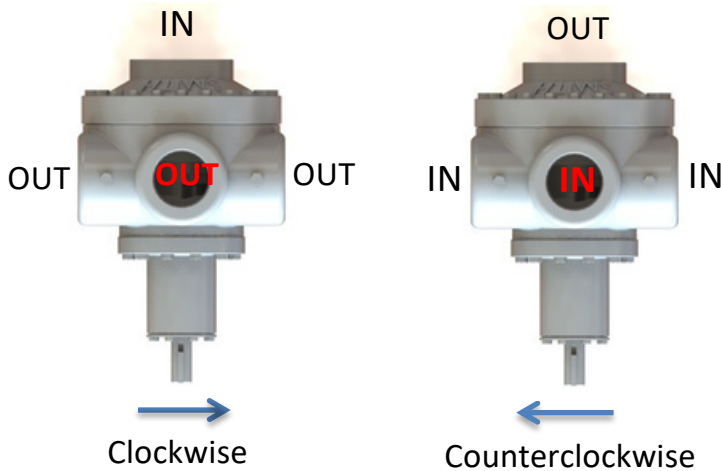
TC-3 Threaded Housing



TC-3F Threaded Flange



TC-3F Butt-Weld Flange

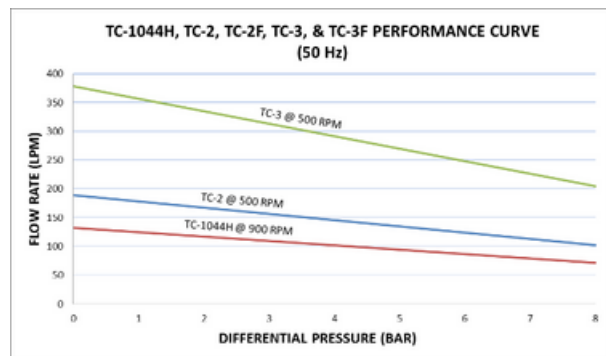
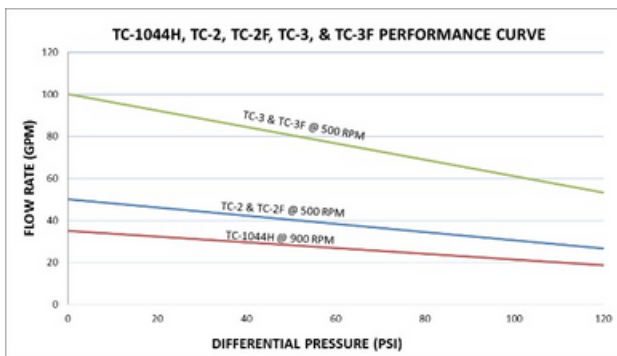


NOTE: ONE OUTLET MAY BE USED WITH 2 BLIND FLANGES INSTALLED ON UNUSED OUTLET PORTS. THE TC-1044H DOES NOT CONTAIN A TOP PORT.

Model	Weight (Pump only)
TC-1044H	50 lbs (23 kg)
TC-2, TC-2F	100 lbs (45 kg)
TC-3, TC-3F	135 lbs (62 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.

LOW RPM TRUCK PUMPS

MCAT-Series (Flange Mount) | Flow Rates of 42– 120 GPM (159 – 455 LPM)

MCAT-3R



- 3” flange design, for 1200 RPM maximum shaft speed that delivers comparably to other makes at 650 RPM shaft speed
- Utilizes a single mechanical seal
- Incorporates heavy duty, aircraft quality steel gears and tungsten carbide idler gear shafts
- Internal bypass valve set to 150 psid
- Includes auxiliary inlet for self loading with 30 mesh strainer screen
- All MCAT pumps are provided with two 90° threaded elbows for the inlet/outlet ports
- Optional 2” threaded, butt-weld, or socket weld for discharge and auxiliary inlet
- No greasing or lubrication required

Pumps Only		Average Delivery Rate @ 700RPM*		Maximum Differential Pressure	Inlet/ Outlet Size*
Model	Motor/PTO Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	(DN)
MCAT-2R, 2L MAX 1200 RPM	700 RPM	39 GPM (148 LPM)	35 GPM (132 LPM)	125 PSI (8 BAR)	2” (DN 50) 2” flange options available
MCAT-3R, 3L MAX 1200 RPM	700 RPM	78 GPM 295 LPM	70 GPM (265 LPM)	125 PSI (8 BAR)	2” (DN 50) 2” flange options available

*Rated capacity for MCAT-3L, 3R is 85 GPM @700 RPM
 *Rated capacity for MCAT-2L, 2R is 42 GPM @ 700 RPM