

# INTERNAL GEAR TYPE, POSITIVE DISPLACEMENT PUMPS

Internal gear pumps are high quality units, capable of 15 ft. (5 m) of lift and offer smooth, consistent flow. Models feature a type 21 seal for pressures up to 200 psi. Units are available with 1-1/2 hp totally enclosed fan cooled (TEFC) or explosion-proof motors.

These cast iron gear pumps are reliable, cost effective and low maintenance. For use with non-flammable liquids compatible with pump component materials.



Model: GMC1DE3-E1.5 1P

## FEATURES

- Self-priming
- No drive coupling or guard
- Accurate alignment
- Smooth, non-pulsating flow
- Delivers up to 12 gpm (0.8 lps)
- Cast iron construction with Viton® seal, carbon bushing and high strength gears
- Bronze thrust washer in compact GMC
- Adjustable relief valve set at 75 psi (5,2 bar)
- Maximum viscosity of 1500 SSU
- Maximum pressure of 200 psi (13,8 bar)
- Maximum temperature 300° F (149° C)

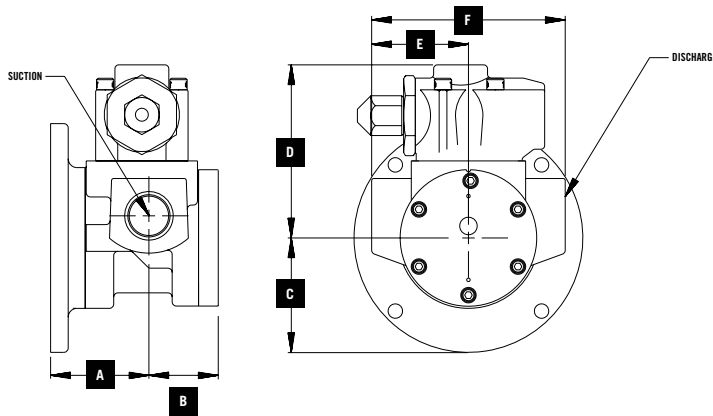
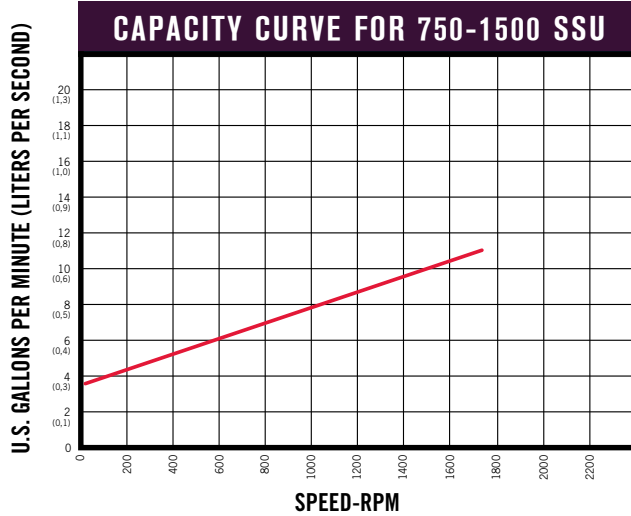
## GENERAL INFORMATION

| Model            | Ship Wt. (Approx.) | Driver Type (HP)       | Suc. x Dis. (NPT) | Basic Construction | Seal Type & Elastomer/Faces | VAC 60 Hz | Phase | Amps     | Motor Enclosure (RPM) |
|------------------|--------------------|------------------------|-------------------|--------------------|-----------------------------|-----------|-------|----------|-----------------------|
| GMC1DE3-E 1.5 1P | 59 lbs.            | Electric Motor (1-1/2) | 1" x 1"           | Cast Iron          | Viton® Carbon/Ceramic       | 115/230   | 1     | 18.0/9.0 | TEFC (1750)           |
| GMC1DE3-E 1.5 3P | 59 lbs.            | Electric Motor (1-1/2) | 1" x 1"           | Cast Iron          | Viton® Carbon/Ceramic       | 230/460   | 3     | 5.0/2.5  | TEFC (1750)           |
| GMC1DE3-X 1.5 1P | 59 lbs.            | Electric Motor (1-1/2) | 1" x 1"           | Cast Iron          | Viton® Carbon/Ceramic       | 115/230   | 1     | 19.0/9.5 | X-Proof (1750)        |
| GMC1DE3-X 1.5 3P | 59 lbs.            | Electric Motor (1-1/2) | 1" x 1"           | Cast Iron          | Viton® Carbon/Ceramic       | 230/460   | 3     | 5.0/2.5  | X-Proof (1750)        |

\*Viton® is a registered trademark of DuPont.

# INTERNAL GEAR TYPE, POSITIVE DISPLACEMENT PUMPS

G SERIES



| INCHES<br>(MILLIMETERS) |               | PUMP DIMENSIONAL DATA |               |                |               |                |      | Suction* | Discharge* |
|-------------------------|---------------|-----------------------|---------------|----------------|---------------|----------------|------|----------|------------|
| Model                   | A             | B                     | C             | D              | E             | F              |      |          |            |
| GMC1DE3-E 1.5 1P        | 2.8<br>(71,1) | 2.7<br>(68,6)         | 3.3<br>(83,8) | 5.2<br>(132,1) | 2.5<br>(63,5) | 5.0<br>(127,0) | 1.00 | 1.00     |            |
| GMC1DE3-E 1.5 3P        | 2.8<br>(71,1) | 2.7<br>(68,6)         | 3.3<br>(83,8) | 5.2<br>(132,1) | 2.5<br>(63,5) | 5.0<br>(127,0) | 1.00 | 1.00     |            |
| GMC1DE3-X 1.5 1P        | 2.8<br>(71,1) | 2.7<br>(68,6)         | 3.3<br>(83,8) | 5.2<br>(132,1) | 2.5<br>(63,5) | 5.0<br>(127,0) | 1.00 | 1.00     |            |
| GMC1DE3-X 1.5 3P        | 2.8<br>(71,1) | 2.7<br>(68,6)         | 3.3<br>(83,8) | 5.2<br>(132,1) | 2.5<br>(63,5) | 5.0<br>(127,0) | 1.00 | 1.00     |            |

\*Standard NPT Pipe Threads

