Power-Take-Off Drive

Sec. 110

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Self Priming Centrifugal Pump Model 04E1-GHH

Size 4" x 4"

PUMP SPECIFICATIONS

Size: 4" x 4" (102 mm x 102 mm) Victaulic.®

Casing: Aluminum 356-T6.

Maximum Operating Pressure 325 psi (2241 kPa).*

Enclosed Type, Six Vane Impeller: Aluminum 356-T6.

Handles 11/16" (17,4 mm) Diameter Spherical Solids. **Impeller Shaft:** Alloy Steel 8620.

Two Replaceable Wear Rings: Gray Iron 30.

Suction Head: Aluminum 356-T6. Gearbox Housing: Gray Iron 30.

Gearbox Lubrication: SAE 90 Gear Oil.

Gears: Alloy Steel 8620 and Carbon Steel 12L14.

Gear Ratio: 2.56:1 Increase.

Bearings: Open Single Row Ball, Roller and Tapered Roller. **Gaskets:** Buna-N, Resistant Synthetic Rubber and Cork.

Hardware: Standard Plated Steel.

<u>Standard Equipment:</u> Trunnion Assembly. Air Shift. 1800 Series Dana™

Flanges.

Optional Equipment: Mounting Cross Member, Auxiliary PTO Shaft. Speedometer Adaptor.

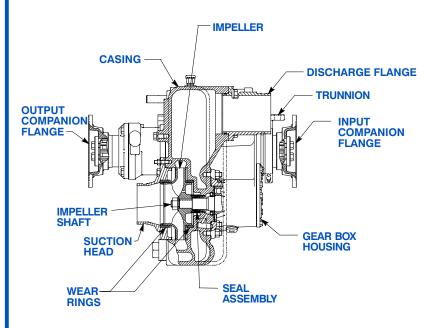
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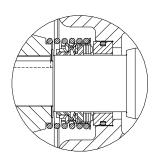
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*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.



Clockwise Facing Gearbox Input Shaft.





SEAL DETAIL

Type 2, Mechanical, Self-Lubricated. Carbon Rotating Face. Ni-Resist Stationary Face. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*



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Specifications Subject to Change Without Notice

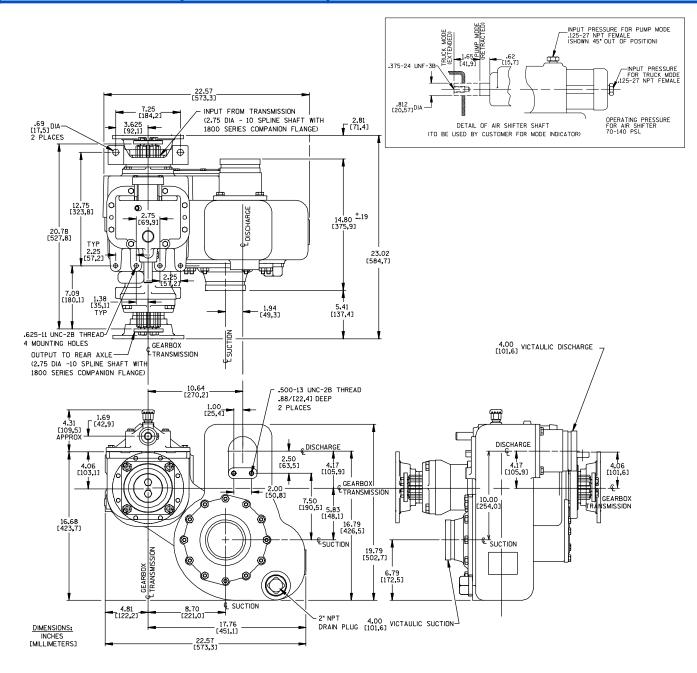
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Specification Data

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APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 243 LBS. (110 KG.) SHIPPING WEIGHT: 300 LBS. (136 KG.) EXPORT CRATE SIZE: 8.9 CU. FT. (0,25 CU. M.)



GEARBOX THROUGH TORQUE CAPACITY BASED ON SHAFT & SPLINE SIZE		
DIESEL		GASOLINE
AUTO	TRANSMISSION	AUTO
11,000	FT. LBS. MAXIMUM	12,300
1 521	KGM MAXIMUM	1 701

TO PREVENT RAKING OF GEARS WITH AUTOMATIC TRANSMISSIONS, INSTALL BRAKE TO LIMIT INPUT SHAFT ROTATION TO NO MORE THAN 15 RPM MAXIMUM DURING SHIFTING.

FOR AIR SHIFT, 70 - 140 PSI (482 - 965 kPa) AIR PRESSURE REQUIRED AT GEARBOX AIR CYLINDER, 1/4" (6,4 mm) LINES RECOMMENDED.

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PAGE 610.1 Curve Data Sec. 110 **DECEMBER 2021** Q T-8-91-R NPSH 80470 ≥ 8.00" 30 20 10 NOTED 04E-GHH-1 04E-GHH CURVE IMP.DIA. 23 100 RPM SS 09 96 ٠ĮΖ 06 CURVE 80 -99 MODEL 4"X4" ERFORMANCE SO 28 ·61 SP.GR. -25 SIZE 08 38222-526 .81 ON PETROLEUM ∙8₽ 97 11 8375 91 07 44 12 99 40 ٦d٠ MPELLER 09 VOLUTE ·ΣΙ 9Σ PERFORMANCE BASED 99 15 ZΣ 09 SPEEDS 11 RANGE 94 82 10 OPERA' 9 6 72 INPUT .8 32 20 L 30 ARE 2.56:1 9 91 52 5 SHOWN SO 12 RATIO ь SI RPM ٠٤ 8 01 SPEEDS S GEAR 1800 1600 400 1950 9 ٦. .0₽ 550 350 700 650 900 500 450 400 300 250 200 150 100 50 METRES (HEAD U.S. GALLONS PER MINUTE 닙 225 175 50 <u> 100</u> **250**H 150H 7 PSI Ħ CUBIC PER 22QH 200<u>H</u> 0 180 1601 14<u>P</u> 129<u>H</u> 100<u>T</u> 9 292 ≥ THE GORMAN-RUPP COMPANY ● MANSFIELD, OHIO GORMAN-RUPP GORMAN-RUPP OF CANADA LIMITED ● ST. THOMAS, ONTARIO, CANADA

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PUMPS

PAGE 610.2 Curve Data Sec. 110 **DECEMBER 2021** Q T-8-91-R NPSH ≥ 8.00" 30 NOTED 04E-GHH-2 04E-GHH 23 100 RPM ZZ -09 96 SI 06 1.0 CURVE MODEL 4"X4" -99 SO ERFORMANCE 28 61 -25 SP.GR. SIZE 08 38222-526 18 -8₽ 97 17 PERFORMANCE BASED ON WATER 8375 91 07 44 SI 9 ட ا0 Ιđ MPELLER 09 VOLUT 13 36 99 12 -2Σ 9 SPEEDS Π RANGE 94 -82 10 OPERAT 40 6 .42 RPM 8 32 SO L 30 950 ARE 2.56:1 9 ·9Ţ 25 5 SHOWN 20 15 RATIO SI RPM ξ -8 10 SPEEDS Z GEAR 1800 1600 950 b 9 Ţ .02 0 350 550 200 150 650 900 500 450 400 300 250 100 50 750 METRES CHOUR X HEAD F LITRES PER SECOND U.S.GALLONS PER MINUTE 30⊕ 150 125 325 100 平 **259** 225 25 PSI \forall CUBIC PER <u>Б</u>9 <u>Ф</u> 189<u></u> <u>2</u> <u>2</u>д



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