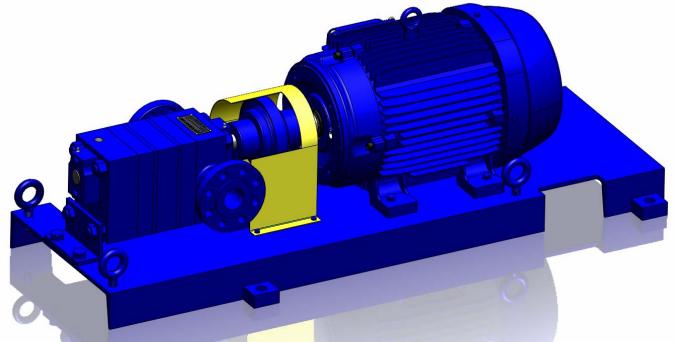
PRODUCT INFORMATION PACKET

Northern® Pump Model 4800-20-D1765



Pump Gears Aircraft Quality 8620 Alloy Steel

Pump Shafts Aircraft Quality 8620 Alloy Steel

Pump Cylinder Cast Iron

Bearing Plates Steel

Liner Plates Hardened and Ground D2 Tool Steel

Shaft Bearings AISI 52100 Steel Roller Type

Mounting Brackets ASTM A36 Structural Steel

Shaft Seal 2 JC Type 8-1 Mechanical Seals

End Plate Carbon Steel

Pump Studs Carbon Steel

Electric Motor WEG 15HP Explosion Proof



PRODUCT INFORMATION PACKET

NORTHERN® PUMP HELPS KEEP ATLANTA COOKING

Northern® Pump is proud to announce successful delivery of three custom pump unit assemblies to the Atlanta Gas Light Riverdale natural gas facility. Atlanta Gas Light delivers environmentally friendly natural gas to approximately 1.5 million customers throughout Georgia. These gear pumps replaced a competitor's product on the lube oil system for a General Electric Turbo Expander Unit used to liquefy natural gas. These units assemblies were delivered as a result of a coordinated effort between Northern® Pump, and its Gainesville, GA based distributor; Pump Technology & Solutions.

Northern Pump was chosen due to several available design improvements over the pump assemblies that were installed by the original equipment manufacturer. The first was our ability to comfortably handle high suction and discharge pressures. With as estimated 200 pound per inch2 suction pressure, the pump's drive shaft was designed to be hydraulically balanced. This design dramatically improves the lifespan and overall lifecycle cost of the pump. The result is a pump with an estimated B-10 bearing life of over thirteen thousand hours!

The Northern® gear pump also featured a special flange dimension and unit base configured to fit into the existing lube oil system. The cost to move piping and other associated items when selecting a replacement pump can be staggering. Northern® Pump's ability to offer a drop-in replacement for a complex system will save the customer time and money.

The commitment of Northern® Pump and Pump Technology and Solutions to support the customer with spare parts and service is always a factor in selecting our product. We always offer spare parts for all of our custom products within a reasonable amount of time. Northern® Pump also offers a factory rebuild program that refurbishes your investment back to the original condition, and carries a full factory warrantee.

Northern® Pump is a premier provider of custom gear pumps and pumping solutions. Contact us today and see what we can design and build for you!

Pump Duty Conditions

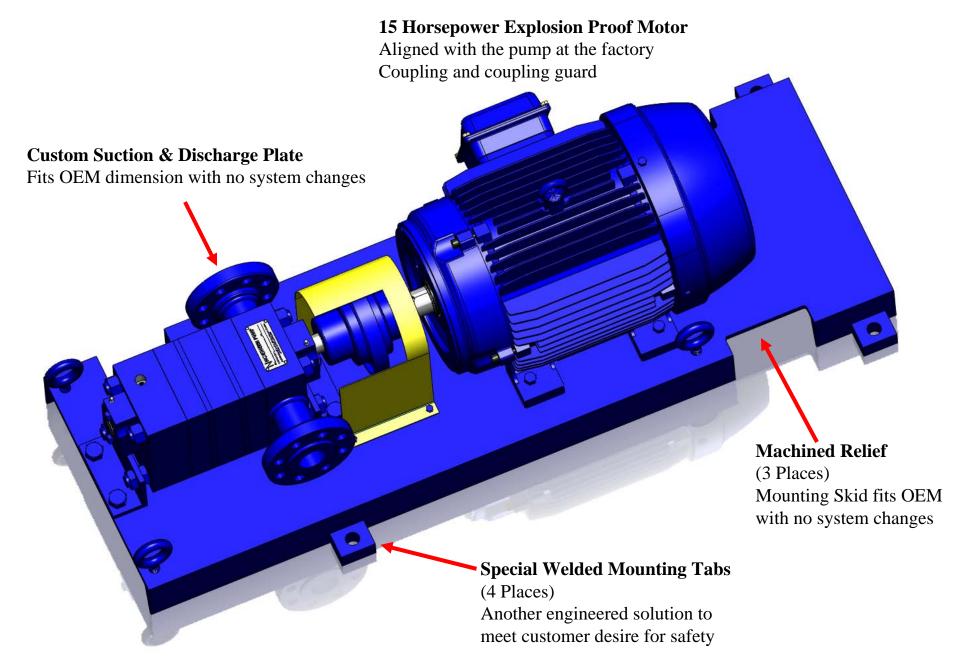
Liquid: MOBIL DTE HEAVY MEDIUM ISO VG-68

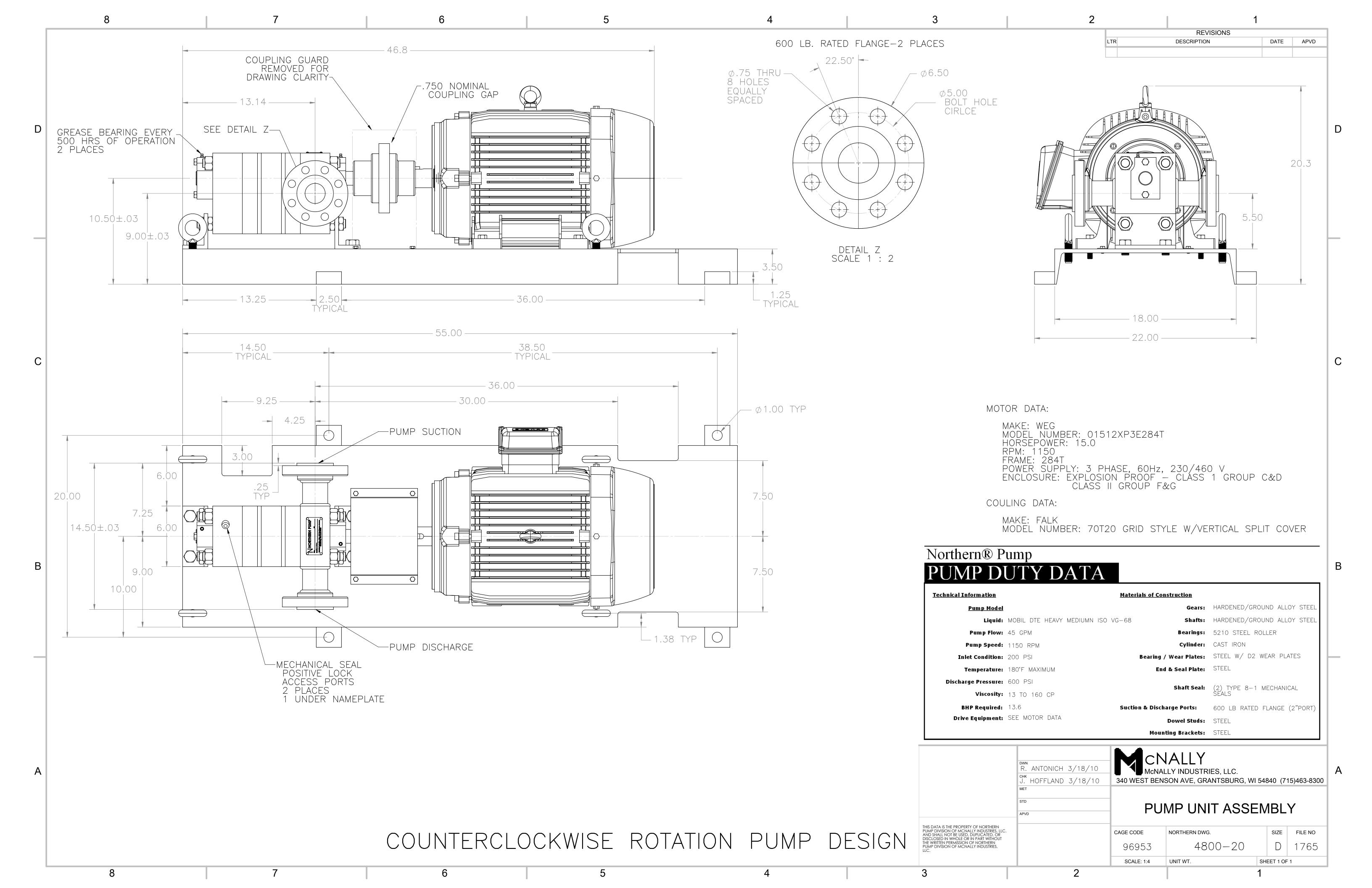
Viscosity: 13 TO 160 cP Flow Rate: 45 GPM Pump Speed: 1150 RPM

Pump Inlet Pressure: 200 PSI Pump Discharge Pressure: 600 PSI Operating Temperature: 180°F







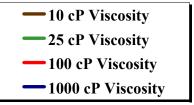


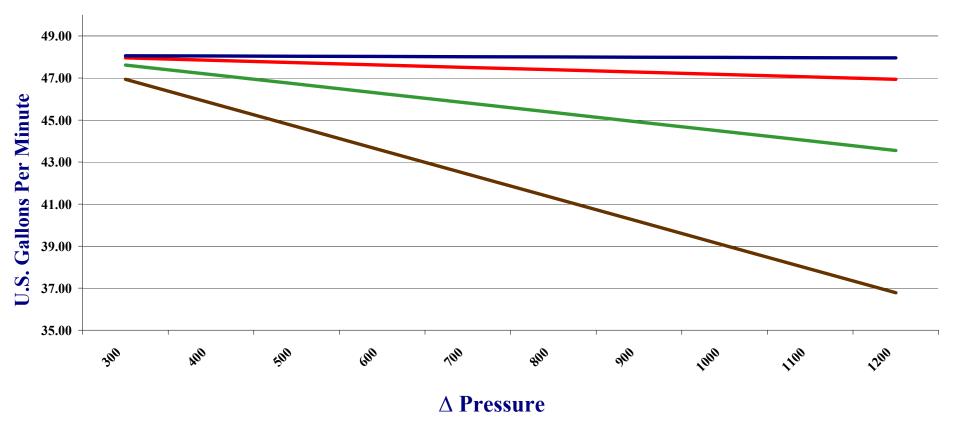
Northern Pump - A Division of McNally Industries LLC 340 W Benson Rd. Grantsburg, WI 54840 www.northern-pump.com (800) 366-1410

PUMP SIZE: 4800-20

1150 RPM

Flow Rate



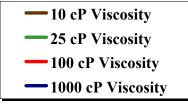


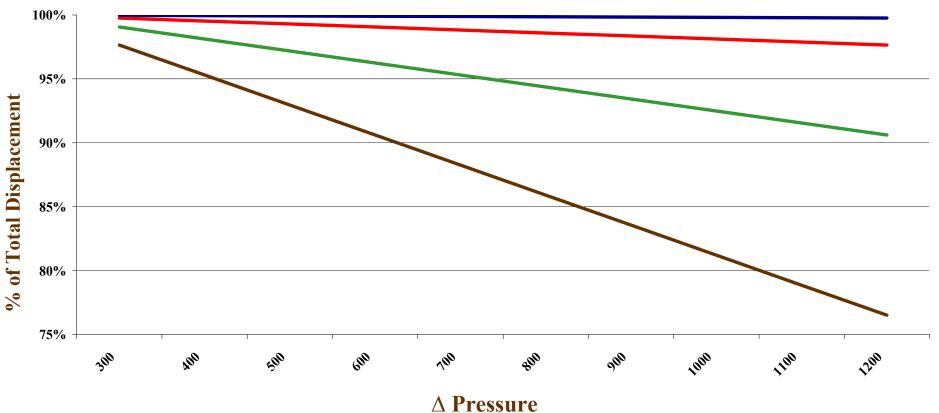
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PUMP SIZE: 4800-20

1150 RPM

Volumetric Efficiency





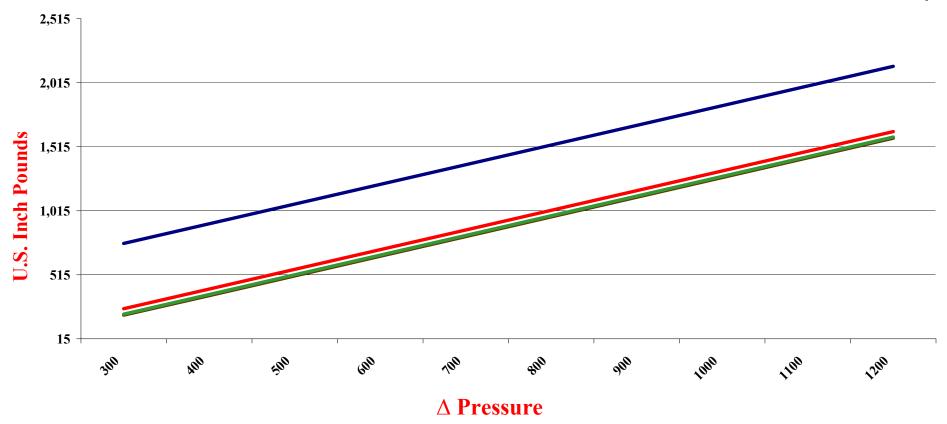
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PUMP SIZE: 4800-20

1150 RPM

Torque Required





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PUMP SIZE: 4800-20

1150 RPM

Horsepower Required



