



Peerless Pump

General Purpose End Suction Pumps Type PE - Integral HP

100,000 hours median bearing life. Shaft is designed to **limit the shaft deflection** to no more than .002" at the seal faces.

Close tolerance registers obtain concentricity of motor faces, adapters and pump casings for alignment.

The motor/impeller shaft is protected with a **replaceable bronze sleeve** installed between the shaft and mechanical seal.

Mechanical seals are **face type** with Ni-resist seat, carbon washer, 18-8 stainless steel metal parts and **Viton elastomers** rated up to 250°F.

Series PE pumps are furnished with enclosed dynamically balanced impellers for **smooth, low vibration operation**. The impeller is keyed to the shaft for positive driving and is secured in place with a stainless steel washer and self-locking cap screw.

The impeller diameter is no more than 90 percent of the maximum impeller diameter which the case tongue or cut-water could accommodate. This design feature results in **low hydraulic noise levels**.

Quality Engineering

We design tough, versatile pumps to meet all of your needs. No one equals our **variety, durability, standardized options or configurations**. Please contact your local authorized Peerless Pump sales office to find out more about the PE Series pump, available options and prices.

Peerless Pump Series PE - Integral Horsepower are the same as Peerless Pump Type C pumps, except the PE pumps are non-modifiable units equipped with preset impeller trims for non-overloading performance. They use the same C-face JM motors specifically designed for pump applications in accordance with standards developed by the **Hydraulic Institute** and the **National Electrical Manufacturers Association**.

Applications

Peerless Pump Series PE pumps are suitable for clear non-corrosive liquids such as water or ethylene glycol solutions, providing maximum pump value for heating, air conditioning, booster and general circulating service.

Features

Standard construction for this Series of PE Pumps includes C.I. Casing and Adapter, Bronze Impeller, Casing Ring, Shaft Sleeve and Mechanical seal.

All of the PE units in this series are furnished with **NPT pipe nozzles**. Casings are rated for 175# (MWP) Maximum Working Pressure.

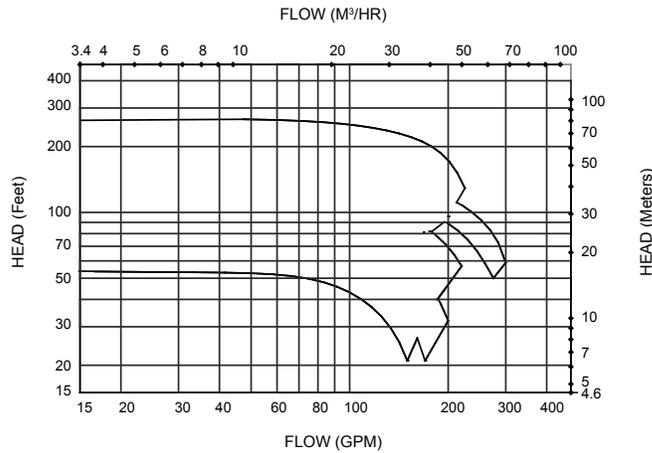
Motor bearings are **grease lubricated** and are sized for a minimum of 20,000 hours L10 basic rating life or

Specifications

Capacities: Up to 225 gpm (50 m³/hr)
Head: Up to 277 feet (84 meters)
Pressure: Up to 175 psi (12 kg/cm², 1,206 kPa)
Horsepower: Up to 15 hp (11 kW)
Temperature: From 32 °F to 250 °F (0 °C to 120 °C)
Drives: HI/NEMA JM Electric Motors
Liquids: Water and Light Hydrocarbons
Materials: CI 30 CI, Bronze

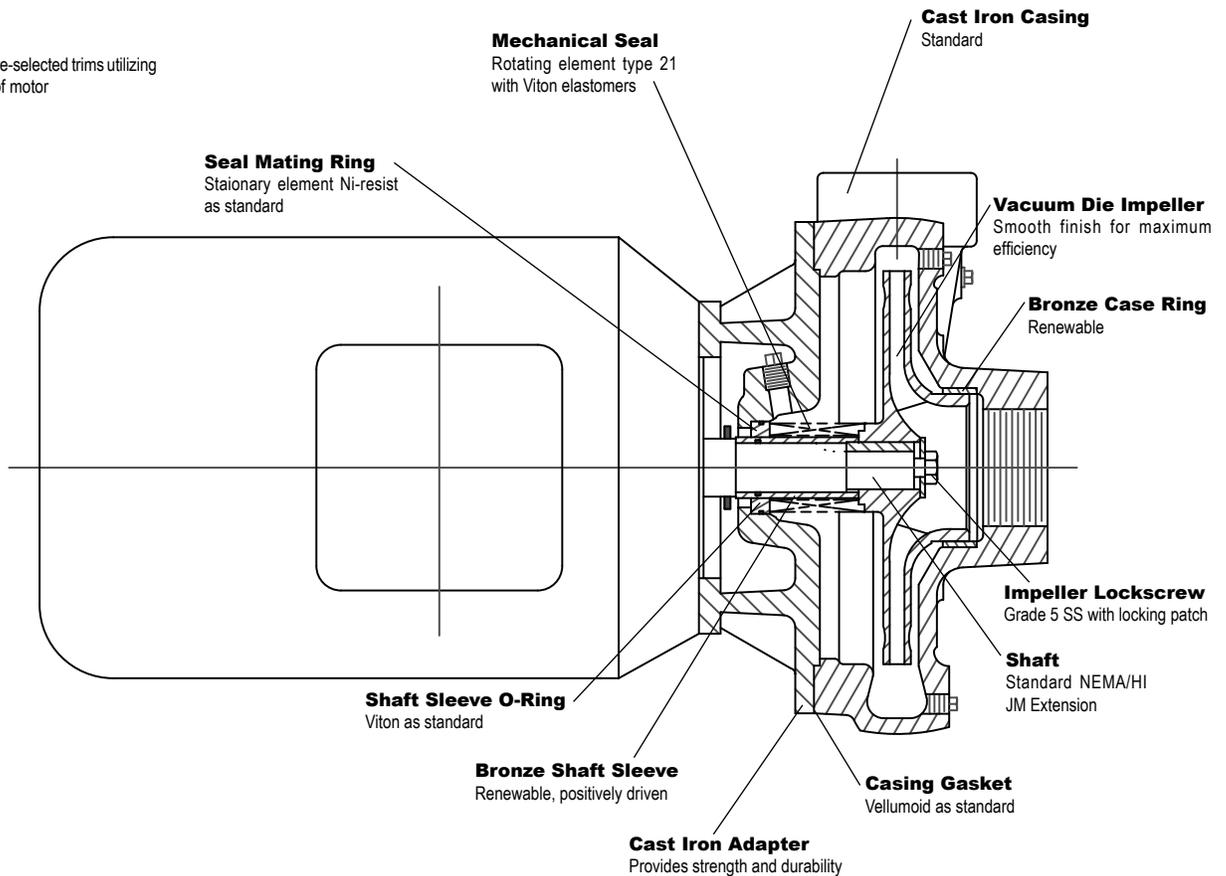


PE Integral HP Series Range Chart - 3500 RPM



PE 203-838

Non-Engineered pre-selected trims utilizing full service factor of motor



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