

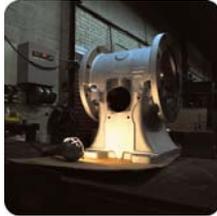


Coffin Turbo Pump, Inc.



Boiler Feed Pumps

Coffin pumps are centrifugal, diffuser type pumps designed specifically for boiler feed service. Each pump model features a short, rigid shaft and a rugged bearing design which significantly improves pump rotational performance. Running at speeds up to 8200 rpm, Coffin pumps use only one or two stages and offer the same discharge conditions as 8-15 stage pumps. Our pump design is proven by thousands of installations worldwide; many of which have operating lives over 30 years. When reliability and technical support are critical, a Coffin Turbo Pump is the pump of choice.



- Bearings and rotational parts have long lives
- Overhauled in place when necessary
- Successfully passed shock and vibration testing
- Thousands of installations worldwide
- Supported by global parts and service network

ECONOMICAL.

RESPONSIVE.

MAINTAINABLE.

RELIABLE.

TRUSTED.

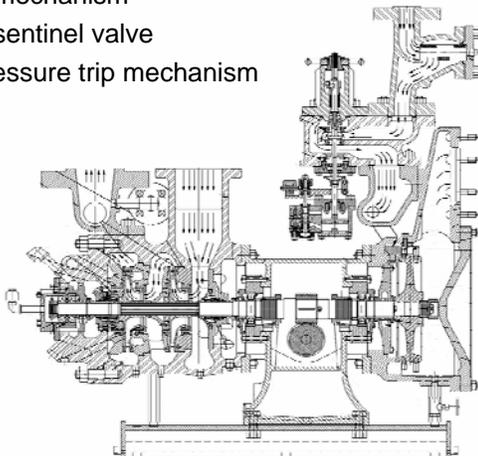
Turbine Driven Pumps

Our variable speed turbine drive pumps feature a single-stage impulse type steam turbine. The pump and turbine are mounted at opposite ends of a common shaft. Coffin manufactures the turbine and steam end components providing a single source responsibility for procurement and service of the complete pump and drive. Our turbine driven boiler feed pumps are the most compact and economical units available on the market.



Features:

- Control valve with integral steam strainer
- Overspeed trip mechanism
- Turbine casing sentinel valve
- Excess back pressure trip mechanism



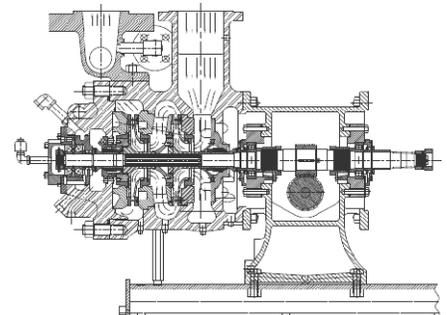
Motor Driven Pumps

Our motor drive pumps feature state of the art induction motors running at pump speeds and controlled by variable frequency drives. The motor and pump are flex coupled and mounted on a common base plate with a common lube system.. The VFD controller provides an energy savings over conventional throttle valve control. Our high speed pump and motor combination significantly reduces the number of pump stages as well as the overall equipment size. Gear driven and constant speed units are also available.



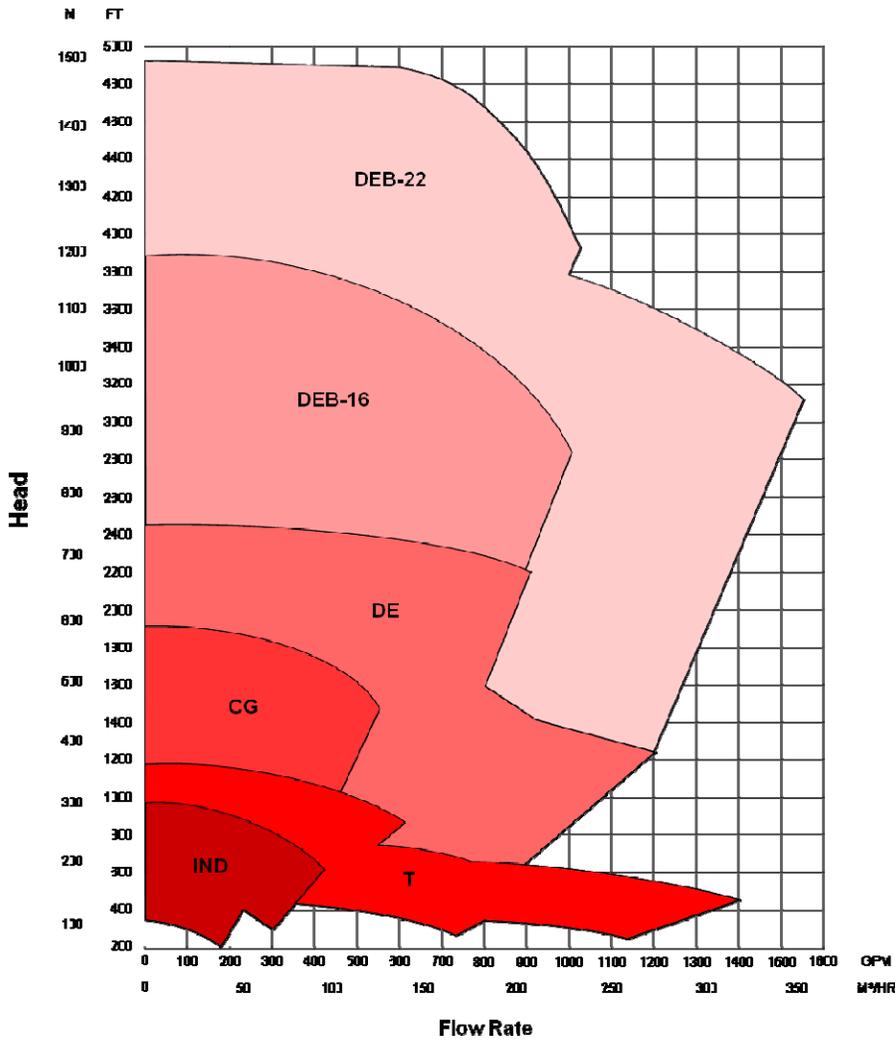
Features:

- Full range of voltage options
- Pump speed control by variable frequency drive
- Precision-balanced, high-speed coupling
- Water or air cooling system for motors



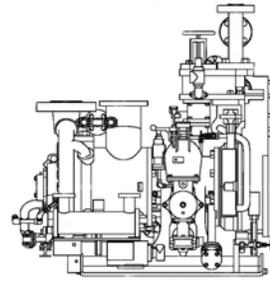
Boiler Feed Pumps

Coverage Chart



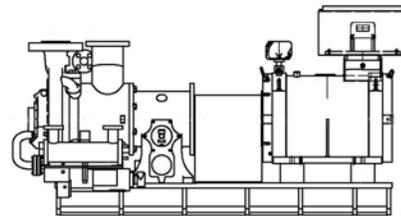
Typical Dimensions

Using Model DEB-16 as an example. Pump end is the same for all drive options.



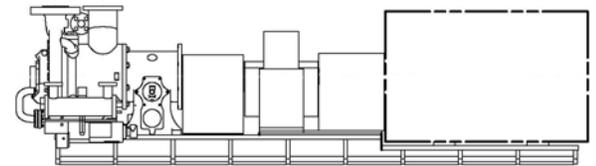
Turbine Drive Unit

Length: 1525 mm Width: 1090 mm Height: 1650 mm
Variable Speed Operation



Motor Drive Unit (Flex Coupled)

Length: 2467 mm Width: 1255 mm Height: 1631 mm
Variable Speed Operation



Motor Drive Unit (Flex Coupled with Gear)

Length: 3724 mm Width: 1323 mm Height: 1318 mm
Variable Speed or Constant Speed Operation

The Coffin centrifugal pump was developed as an industry-leading boiler feed pump for the locomotive and marine industries. Because of its reputed quality, the pump has also been trusted in many other markets over the last 85 years. Coffin pumps operate in the following markets:

- Steamships / LNG Carriers
- FPSO
- FSRU
- CHP Plants
- Pulp and Paper Mills
- Waste to Energy Plants
- Nuclear Power Facilities
- Refineries
- Chemical Plants
- Other Industrial Facilities



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Parts and Service immediately available from locations:

- Netherlands
- Greece
- Singapore
- United Arab Emirates
- South Korea
- Brazil
- United States (NJ & LA)
- Japan