

4240 Motor-mount Centrifugal Pumps

**Capacities to 1600 GPM
Heads to 120 Feet**

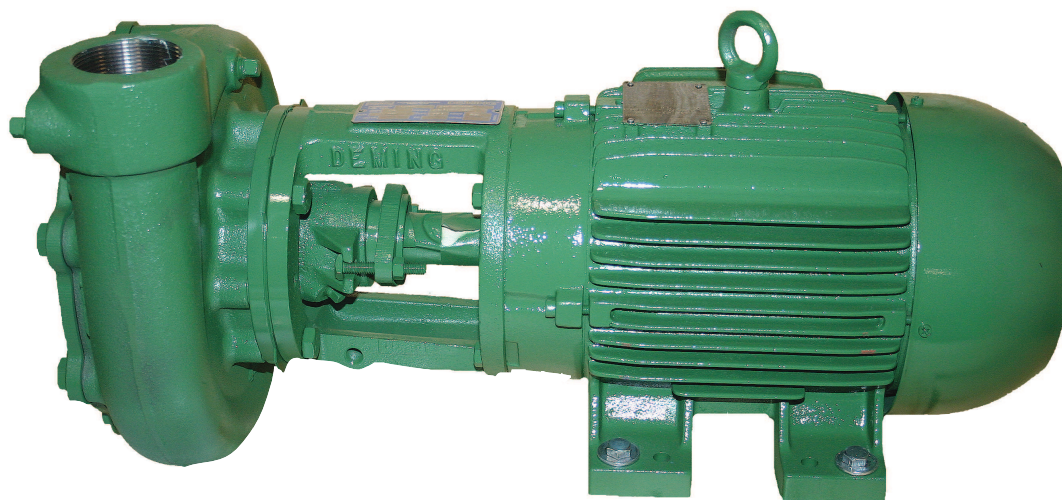
APPLICATIONS:

- Booster Service
- Chiller Pump
- Circulators
- Coolant
- Cooling Tower
- Shipboard
- Hot Water
- Irrigation
- Spray Booth
- Temperature Control
- Washing Equipment
- OEM

Deming 4240 motor-mount centrifugal pumps with semi-open impellers are designed for handling dirty liquids or liquids containing foreign material. Economical and compact, these heavy-duty pumps require less installation time and can be mounted vertically or horizontally. A four-piece liquid-end assembly with separate suction head permits easy access to impeller for low-cost maintenance. Standard construction is designed for working pressure of 150 psi. Alternate materials are available for special applications.

Semi-open impellers are of the solids-handling type with extra-heavy vanes, convenient axial adjustment and wiping vanes on balance side. Suitable for handling liquids with lime, chips or other similar solids which tend to coat metal surfaces or clog space between casing and impeller.

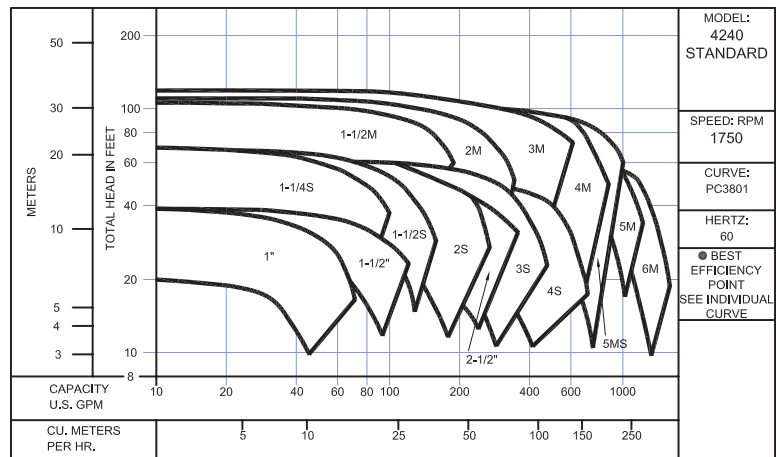
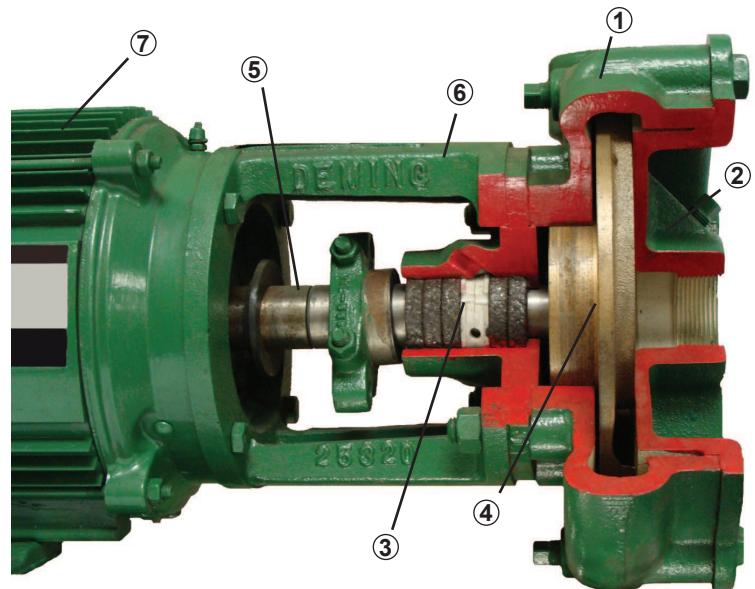
Materials of Construction				
Part	Bronze Fitted	All Iron	All Bronze	316 SS
Support Head	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Suction Head	Cast Iron	Cast Iron	Bronze	316 SS
Casing	Cast Iron	Cast Iron	Bronze	316 SS
Impeller	Bronze	Cast Iron	Bronze	316 SS
Shaft Sleeve	316 SS	316 SS	316 SS	316 SS
Stuffing Box	Cast Iron	Cast Iron	Bronze	316 SS
Lantern Ring	Teflon	Teflon	Teflon	Teflon
Gland	Cast Iron	Cast Iron	Bronze	316 SS



Deming 4240 Series

Design Features:

- 1. Casing** - High-efficient tangential discharge volute with fully registered machine fit gasketed surfaces. Casing can be rotated to accommodate different discharge positions. Pumps with 3" discharge and above have 125# ASA flanges; below 3" are NPT connections. All stainless-steel units are flanged. Casings are tapped with drains and recirculating connections.
- 2. Suction head** - Easily removable, permits inspection and servicing without disturbing discharge piping or pump alignment.
- 3. Stuffing box** - Furnished as standard with packing, lantern ring and reversible gland for easy servicing. Lubrication is accomplished by liquid being pumped. For abrasive liquids, grease lubrication is provided. Special stuffing boxes and mechanical seals available.
- 4. Impeller** - Semi-open adjustable impeller with extra-heavy vanes gives outstanding performance and wear resistance. Impeller keyed to shaft for easy impeller removal and perfect alignment. Running clearance between suction side of impeller and casing is adjustable to compensate for wear and regulate capacity. Impeller can be adjusted without disrupting the piping connection or disassembling the pump.
- 5. Shaft sleeve** - 316 stainless steel. Protects pump shaft and ensures longer life.
- 6. Support head** - Heavy-duty with all joints having dove-tailed fit.
- 7. Motor** - Drip proof, standard close-coupled type with large ball bearings fully protected from dirt and moisture to assure smooth, quiet operation with NEMA C-face design on JP shaft extension. Also available with a TEFC or explosion-proof enclosure.



CRANE

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