2400 Series High Capacity Circulators

Taco 2400 Series High Capacity Circulators are specifically designed for quiet, efficient, dependable operation in a wide range of medium to high flow/head hydronic heating, chilled water cooling and hot water recirculation applications. The space saving, close-coupled, maintenance free motor with permanently lubricated, sealed-for-life bearings, Noryl® impeller and durable, carbon/silicon-carbide mechanical seal provide unmatched reliability. Available in Cast Iron or Stainless Steel construction.
Features

- Compact, space saving design
- Powerful close-coupled, maintenance free motor
- Superior efficiency, high starting torque
- Permanently lubricated, sealed for life bearings
- Rugged 1/2" Stainless Steel Shaft
- Carbon/Silicon-Carbide mechanical seal for long life
- Universal flange to flange dimensions — Ideal for retrofits
- Anti-Condensate design for chilled water
- Dual electrical knock-outs
- Dual pressure taps, suction/discharge

Application

The compact 2400 Series High Capacity Circulators are designed for quiet, efficient, maintenance-free operation in a wide range of larger residential and commercial hydronic systems. Typical applications include hydronic heating, in-floor radiant, snow melt, high pressure drop boilers, outdoor wood boilers, chilled water cooling, geothermal heat pumps, primary/secondary loops and hydro air fan coils. The Stainless Steel 2400 Series should be used for open, domestic water recirculation systems. The carbon/silicon-carbide mechanical seal is easy to service in only a few minutes.
Performance Curves
2400 Series High Capacity Circulators

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Flow (m³/h)

Flow (gpm)

Total Head (ft)

Total Head (meters)

2400-10 -3P
2400-20 -3P
2400-30 -3P
2400-40 -3P
2400-45 -3P
2400-50 -3P
2400-60 -3P
2400-65 -3P
2400-70 -3P
Materials of Construction
Casing: Cast Iron or Stainless Steel
Seal Face Plate: Stainless Steel
Motor Housing: Aluminum
Impeller: 30% Glass-filled Noryl®
Impeller Insert: Stainless Steel
Shaft: Stainless Steel
Mechanical Seal (3-piece rotating): Carbon/Silicon-Carbide
Motor Bearings: Permanently lubricated ball bearing
O-Ring/Flange Gaskets: EPDM

Model Nomenclature
S — Stainless Steel, Flanged
Y — 230V/60/1 Motor

Performance Data
Maximum Flow: 90 GPM
Maximum Head: 46 Feet
Minimum Fluid Temp: 40°F (4°C)
Maximum Fluid Temp: 225°F (107°C)
Maximum Working Pressure: 150 psi

FOR INDOOR USE ONLY
Low-Lead Compliant
Stainless Steel models only

Mounting Positions
Recommended
Not recommended

Pump Dimensions & Weights
All dimensions and weights are approximate.

Electrical Data
Model No. Hz Ph 115V 230V RPM HP
2400-10-3P 60 1 1.4 54 3450 1/10
2400-20-3P 60 1 1.9 1.0 3450 1/6
2400-30-3P 60 1 1.9 1.0 3450 1/6
2400-40-3P 60 1 1.9 1.0 3450 1/6
2400-45-3P 60 1 3.6 1.7 3450 1/3
2400-50-3P 60 1 4.9 2.4 3450 1/2
2400-60-3P 60 1 1.9 1.0 3450 1/6
2400-65-3P 60 1 3.6 1.7 3450 1/3
2400-70-3P 60 1 4.9 2.4 3450 1/2

Motor Type: Open Drip Proof, Permanent Split Capacitor, Thermally Protected

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