14x18x23 - Frames: 404T-449TS
Bell & Gossett Series HSCS
Base Mounted - Double Suction Centrifugal Pumps

SPECIFICATIONS:

- GPM
- FT.
- RPM
- HP
- VOLTS
- ENCL.
- HZ
- PHASE

MATERIALS OF CONSTRUCTION:

- CAST IRON BRONZE FITTED
- FABRICATED HEAVY DUTY
- OSHA COUPLING GUARD
- ALL METAL GEAR TYPE COUPLING
- GALVANIZED DRIP PAN UNDER FLANGES (OPTIONAL)

TYPE OF SEAL

- STANDARD: 175 PSIG (12 Bar) working pressure, **125# ANSI Flange Configuration
- OPTIONAL: 300 PSIG (21 bar) working pressure, ***250# ANSI Flange Configuration

- STANDARD: Crane Type 8-1, Viton/Carbon Ceramic, 75 psig (5 Bar) maximum suction pressure, from -10°F to 220°F (-23 °C to 104 °C).
- OPTIONAL: Crane Type 8-1, Viton/Carbon Tungsten Carbide, 75 psig (5 Bar) maximum suction pressure, from -10°F to 220°F (-23 °C to 104 °C).
- OPTIONAL: Crane Type 8B-1, Viton/Carbon-Ceramic, 200 PSIG (13 Bar) maximum suction pressure, from -10°F to 220°F (-23 °C to 104 °C).

OTHER:

- MATERIALS OF CONSTRUCTION
  - CAST IRON BRONZE FITTED
  - FABRICATED HEAVY DUTY
  - OSHA COUPLING GUARD
  - ALL METAL GEAR TYPE COUPLING
  - GALVANIZED DRIP PAN UNDER FLANGES (OPTIONAL)
# 14x18x23 Series HSCS
## Base Mounted - Double Suction Centrifugal Pumps

### Specifications

<table>
<thead>
<tr>
<th>Flow (M³/h)</th>
<th>Head (m)</th>
<th>HP</th>
<th>RPM</th>
<th>Volts</th>
<th>Cycle</th>
<th>Phase</th>
<th>Enclosure</th>
<th>Approx. Weight</th>
<th>Specials</th>
</tr>
</thead>
</table>

### Materials of Construction
- Cast Iron Bronze Fitted
- Fabricated Heavy Duty Baseplate
- ANSI/OSHA Coupling Guard
- Flexible Coupling
- Spacer Coupling (Optional)
- Galvanized Drip Pan (Optional)

### Type of Seal
- **Standard:** 175 PSIG (12 Bar) working pressure, 125# ANSI Flange Configuration
- **Optional:** Crane Type 21, BUNA/Carbon Ceramic, 75 psig (5 Bar) maximum suction pressure, from -20°F to 225°F (-29 °C to 107 °C).
- **Optional:** Crane Type 21, EPR/Carbon Ceramic, 75 psig (5 Bar) maximum suction pressure, from -20°F to 250°F (-29 °C to 121 °C).
- **Optional:** Crane Type 21, EPR/Carbon Tungsten Carbide, 75 psig (5 Bar) maximum suction pressure, from -20°F to 250°F (-29 °C to 121 °C).
- **Optional:** 280 PSIG (19 Bar) working pressure, 250# ANSI Flange Configuration
- **Optional:** 400 PSIG (27 Bar) working pressure, 250# ANSI Flange Configuration
- **Standard:** Crane Type 1, BUNA/Carbon-Ceramic, 150 psig (10 Bar) maximum suction pressure, from -20°F to 225°F (-29 °C to 107 °C).
- **Optional:** 280 PSIG (19 Bar) working pressure, 250# ANSI Flange Configuration
- **Standard:** Crane Type 1B, BUNA/Carbon-Ceramic, 300 psig (20 Bar) maximum suction pressure, from -20°F to 225°F (-29 °C to 107 °C).
- **Other:**

### 1200 RPM Pump Curves

![1200 RPM Pump Curves](image-url)

- Minimum recommended pump is 40% B.E.P.
14X18X23 - Frames: 404T-449TS
Bell & Gossett Series HSCS
Base Mounted - Double Suction Centrifugal Pumps

SPECIFICATIONS:
- GPM
- FT.
- RPM
- HP
- VOLTS
- ENCL.
- HZ
- PHASE
- SPEC. CONSTR.
- APPROX. WEIGHT
- LBS.

MATERIALS OF CONSTRUCTION
- CAST IRON BRONZE FITTED
- FABRICATED HEAVY DUTY
- OSHA COUPLING GUARD
- ALL METAL GEAR TYPE COUPLING
- GALVANIZED DRIP PAN UNDER FLANGES (OPTIONAL)

TYPE OF SEAL
- STANDARD: 175 PSIG (12 Bar) working pressure, **125# ANSI Flange Configuration
- OPTIONAL: 300 PSIG (21 bar) working pressure, ***250# ANSI Flange Configuration

- STANDARD: Crane Type 8-1, Viton/Carbon Ceramic, 75 psig (5 Bar) maximum suction pressure, from -10° to 220°F (-23 °C to 104 °C).
- OPTIONAL: Crane Type 8-1, Viton/Carbon Tungsten Carbide, 75 psig (5 Bar) maximum suction pressure, from -10° to 220°F (-23 °C to 104 °C).
- OPTIONAL: Crane Type 8B-1, Viton/Carbon-Ceramic, 200 PSIG (13 Bar) maximum suction pressure, from -10° to 220°F (-23 °C to 104 °C).

OTHER:
- MATERIALS OF CONSTRUCTION
  - CAST IRON BRONZE FITTED
  - FABRICATED HEAVY DUTY
  - OSHA COUPLING GUARD
  - ALL METAL GEAR TYPE COUPLING
  - GALVANIZED DRIP PAN UNDER FLANGES (OPTIONAL)
14x18x23 - Frames: 404T-449TS
Bell & Gossett Series HSCS
Base Mounted - Double Suction Centrifugal Pumps

SPECIFICATIONS:

GPM FT. RPM

MOTOR DATA: HP VOLTS

ENCL. HZ PHASE

SPEC. CONSTR.:

APPROX. WEIGHT LBS.

MATERIALS OF CONSTRUCTION

- CAST IRON BRONZE FITTED
- FABRICATED HEAVY DUTY
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- MATERIALS OF CONSTRUCTION:
  - CAST IRON BRONZE FITTED
  - FABRICATED HEAVY DUTY
  - OSHA COUPLING GUARD
  - ALL METAL GEAR TYPE COUPLING
  - GALVANIZED DRIP PAN UNDER FLANGES (OPTIONAL)
# Bell & Gossett Series HSCS 14X18X23 Centrifugal Pump Submittal

## B-545.25A

![Diagram of pump](image1)

### FLANGE DIMENSIONS IN INCHES (MM)

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<th>Suction</th>
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### DIMENSIONS - Inches (mm)

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<th>HF2</th>
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Dimensions are subject to change. Not to be used for construction purposes unless certified.

*Motor Dimensions are approximate and vary by manufacturer and motor type.

Motors above 5,000 lbs. are shipped loose.

As a reference, @460 volts, verify weights of 2-pole 450HP, 4-pole 600HP, and 6-pole 500HP.

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Morton Grove, IL 60053
Phone: (847)966-3700
Fax: (847)965-8379
www.bellgossett.com

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**Flange dimensions are in accordance with ANSI A112.10, AMWA C110 & ANSI B16.1 class 125.**

**Flange dimensions are in accordance with ANSI B16.1 class 250 except flanges are flat faced, i.e., FF.