14x16x17 - 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
- 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:

OTHER:
### 14x16x17 - Frames: 404T-449TS

**Bell & Gossett Series HSCS**  
Base Mounted - Double Suction Centrifugal Pumps

**SPECIFICATIONS:**

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**TYPE OF SEAL:**

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- **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).

**MATERIALS OF CONSTRUCTION**

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

**Diagram:**

[Diagram showing pump specifications and performance characteristics]

**NOTE:** 17-4 PH shaft material is standard at this speed.

**Inlet Area:**

- 1103 sq. in.

**Minimum recommended flow is 40% B.E.R.**
14x16x17 - 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

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

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).
- 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

NOTE: 17.5 PH shaft material is standard at this speed.
**14x16x17 - Frames: 404T-449TS**

**Bell & Gossett Series HSCS**

Base Mounted - Double Suction Centrifugal Pumps

### SPECIFICATIONS:

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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)

**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**

**OTHER:**

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

### 900 RPM PUMP CURVES

![Graph](image-url)
Bell & Gossett Series HSCS 14X16x17 Centrifugal Pump Submittal

**FLANGE DIMENSIONS IN INCHES (MM)**

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**DIMENSIONS - Inches (mm)**

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<th>HF1</th>
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*Motor dimensions are approximate, vary by manufacturer and motor type.

Dimensions are subject to change. Not to be used for construction purposes unless certified.

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

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