8x12x22M 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:

MATERIALS OF CONSTRUCTION:

- CAST IRON BRONZE FITTED
- FABRICATED HEAVY DUTY
- OSHA COUPLING GUARD
- ALL METAL GEAR TYPE COUPLING

(GALVANIZED DRIP PAN UNDER FLANGES (OPTIONAL))

1200 RPM PUMP CURVES

1200 RPM PUMP CURVES

IMPELLER DATA

- IMP. NO. P-3599
- NO. OF VANE(S) 5
- MAX. O.D. 21" (533mm)
- MIN. O.D. 12" (305mm)
- MAX. SPHERE 1.40" (35mm) AREA 68.0 sq. in. (436 sq. cm)

PERFORMANCE FOR NON OVERLOADING WITH A 1.0 S.F.

- MOTOR HP 100
- IMP. O.D. 20.9" (530mm)
- 75 17.7" (450mm)
- 60 16.1" (409mm)
- 50 15.0" (381mm)
- 40 13.6" (345mm)

**NOTE:** Polished Volume is Standard on this Pump

Minimum recommended flow is 40% B.E.P.
8x12x22M Frames: 404T-449TS
Bell & Gossett Series HSCS
Base Mounted - Double Suction Centrifugal Pumps

SPECIFICATIONS:

- **STANDARD:** 300 PSIG (21 Bar) working pressure, **125/**250# ANSI Flanges
- **OPTIONAL:** 400 PSIG (27 Bar) working pressure, ***250# ANSI Flanges
- **STANDARD:** Crane Type 8 - 1, Viton/Carbon-Ceramic, 75 psig (5 Bar) maximum suction pressure, from -10° to 220° F (-23 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 to 104 °C).
- **OPTIONAL:** Crane Type 8B - 1, Viton/Carbon-Ceramic, 200 psig (13 Bar) maximum suction pressure, from -10° to 220° F (-23 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)

1500 RPM PUMP CURVES

---

**TOTAL HEAD**

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<tr>
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**NOTE:** Polished Volute is Standard on this Pump

Minimum recommended flow is 40% B.E.P.
8x12x22M Frames: 404T-449TS
Bell & Gossett Series HSCS
Base Mounted - Double Suction Centrifugal Pumps

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<tr>
<td>□ Cast Iron Bronze Fitted</td>
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<td>□ All Metal Gear Type Coupling</td>
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<td>□ Galvanized Drip Pan Under Flanges (Optional)</td>
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800 RPM PUMP CURVES

1800 RPM PUMP CURVES

[Graph showing pump curves with various parameters and specifications]
### DIMENSIONS - Inches (mm)

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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.