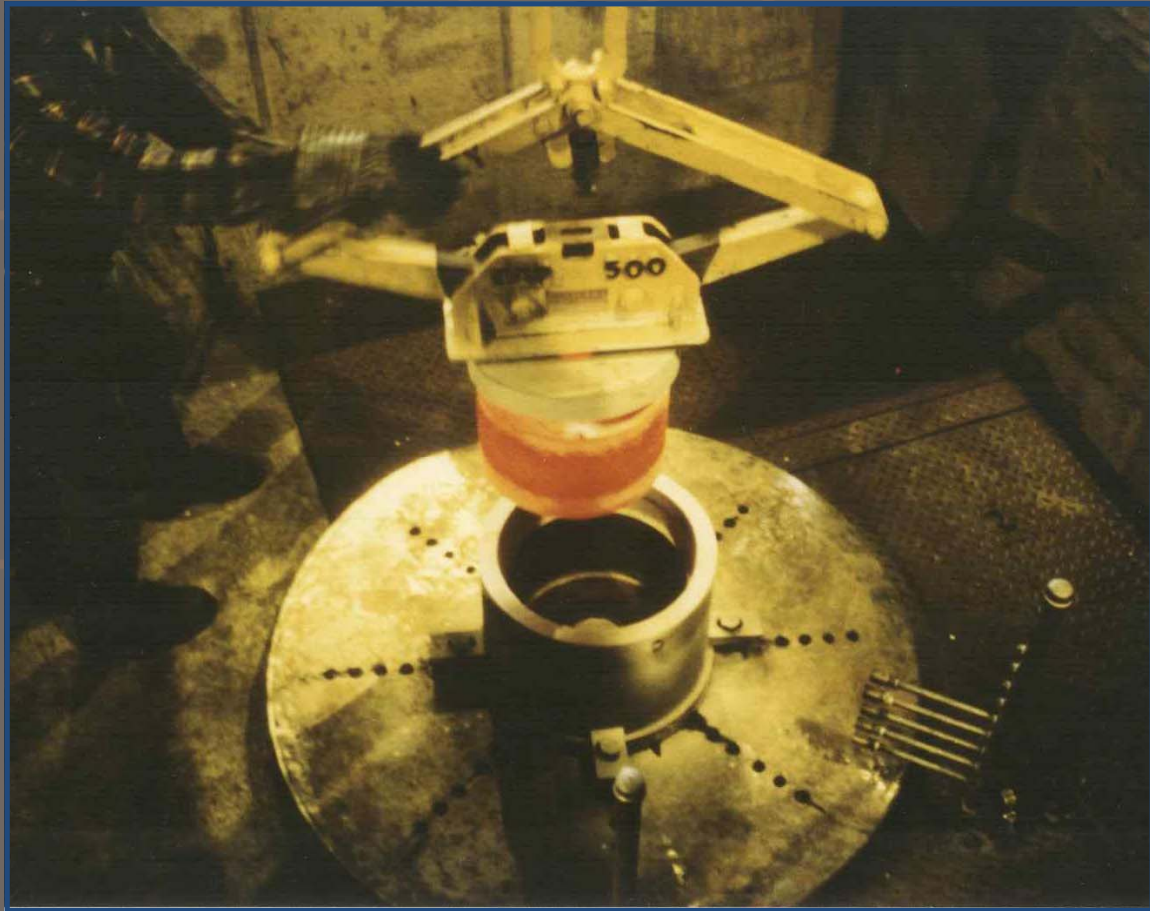


PIT MOUNTED VERTICAL CENTRIFUGAL CASTING MACHINES



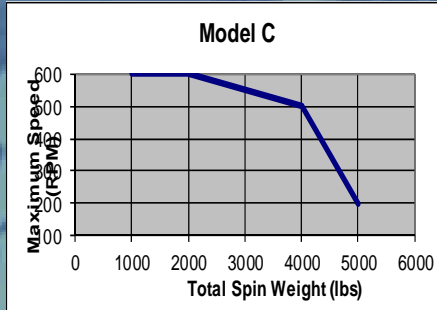
Centrifugal Casting Machine Company, Inc.

The world leader in centrifugal casting and permanent mold technology

www.centrifugalcastingmachineco.com

Model	Wt. Limit-Lbs.	Wt. Limit-Kgs
C	5,000	2,270
D	10,000	4,535
VSF	30,000	13,605
VF	50,000	22,676

Model C



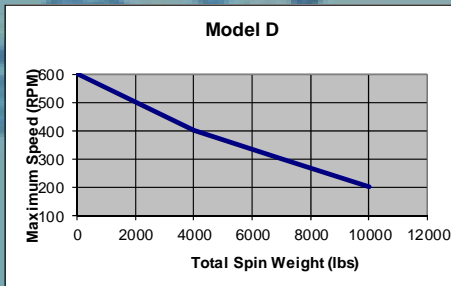
Utility and Space Requirements

- 15 HP (11.25 KW) Electronically Controlled Variable Speed Drive
- Air-20 CFM @ 80 PSI for mold spray
- Water – 90 GPM @ 40 psi – mold cooling
- Water – 10 GPM @40 psi – shaft cooling
- Gas – 1.8 CFM @.4 psi for mold heating

Pit Size: Approximately 142" (3600 mm) x 138" (3500mm) x 153" (3880mm) Deep. 40 cu. Yds Concrete Required.

Maximum Mold Height: 36" (915 mm)
 Maximum Mold Diameter: 60" (1525 mm)
 Maximum Casting Diameter: 54" (1370 mm)
 Maximum Balanced Load : 5,000 Lbs (2,270kgs)

Model D



Utility and Space Requirements

- 20 HP (14.92 KW) Electronically Controlled Variable Speed Drive
- Air – 30 CFM @80 PSI for Mold Spray
- Water – 100 GPM @40 psi – Mold Cooling
- Water – 10 GPM @40 psi – Shaft Cooling
- Gas – 2.1 CFM @.4 psi – Mold Heating

Pit Size: Approximately 165" (4191 mm) x 142" (3607 mm) x 154" (3912 mm) Deep. Approximately 45 cu. Yds Concrete Required.

Maximum Mold Height: 45" (1143 mm)
 Maximum Mold diameter: 72" (1830 mm)
 Maximum Casting diameter: 65" (1650 mm)
 Maximum Balanced Load : 10,000 lbs. (4,535 Kgs.)

Model VSC

Utility and Space Requirements

- 40 HP (30 KW) Electronically Controlled Variable Speed Drive
- Air – 40 CFM @ 80 PSI for Mold Spray
- Water – 120 GPM @ 40 psi – Mold Cooling
- Water – 10 GPM @ 40 psi – Shaft Cooling
- Gas – 2.4 CFM @ 0.4 psi – Mold Heating

Pit Size: Approximately 172" (4300 mm) x 148" (3700 mm) x 177" (4495 mm) Deep. 55cu. Yds. Concrete Required.

Maximum Mold Height: 48" (1220 mm)
 Maximum Mold diameter: 120" (3050 mm)
 Maximum Casting diameter: 108" (2745 mm)
 Maximum Balanced Load : 30,000 lbs. (13,605 Kgs.)

Model VF

Utility and Space Requirements

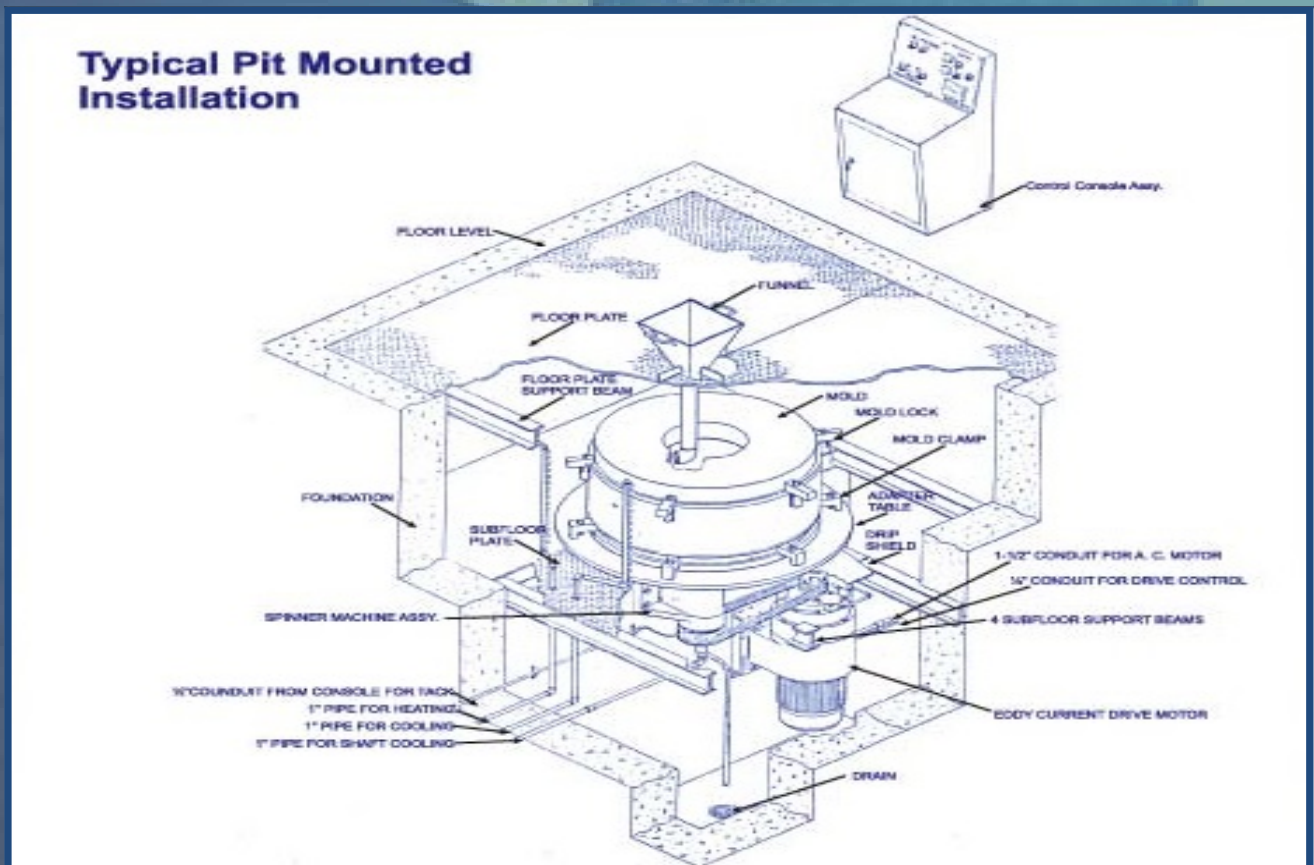
- 60 HP (44.76 KW) Electronically Controlled Variable Speed Drive
- Air – 40 CFM @ 80 PSI for Mold Spray
- Water – 140 GPM @ 40 psi – Mold Cooling
- Water – 10 GPM @ 40 psi – Shaft Cooling
- Gas – 2.4 CFM @ 0.4 psi – Mold Heating

Pit Size: Approximately 176" (4470 mm) x 152" (3860 mm) x 187" (4750 mm) Deep. 55cu. Yds. Concrete Required.

Maximum Mold Height: 60" (1500 mm)
 Maximum Mold Diameter: 138" (3500 mm)
 Maximum Casting Diameter: 126"(3200 mm)
 Maximum Balanced Load: 50,000 Lbs. (22,676 kgs)

PIT MOUNTED VERTICAL CENTRIFUGAL CASTING MACHINES

- These machines require a foundation pit to be built. They are mounted below floor level.
 - Vertical centrifugal casting machines can be used to cast both ferrous and non-ferrous materials.
 - These machines are equipped with gas mold heating, water cooled shafts, water cooling and variable speed drives.
 - Vertical machines are often chosen to produce castings that are wider in diameter than they are taller in height.
 - The vertical process is also used for the semi-centrifugal process in which castings are not purely cylindrical in shape. These include castings that require a taper, are flanged on both ends or have other special features to take into consideration.
- | | | |
|----------------------------|-------------------------|-----------------|
| • Ball valve Balls | • Electric Motor Rotors | • Welding Rods |
| • Gear Blanks | • Gears | • Flanges |
| • Bearings | • Bushings | • Sheaves |
| • Crusher/Pulverizer Rolls | • Steel Mill Rolls | • Forming Rolls |
| • Bi-Metal Steel Rolls | | |





Standard features

- Internal shaft and bearing water cooling
- Mold heating system for mold maintenance
- Pouring funnels or systems
- Free-Standing operators console
- PLC/Touchscreen controls
- Oil mist lubrication of spinners bearings
- Spinner Bearing temperature monitor
- Mold adapter table
- Permanent molds and/or mold designs
- Mold wash and application system
- Metal weighing system

Technology and Services

(Supplied as Required)

- Centrifugal Casting "Works" Manuals
- Operational parameters for specific customer applications
- Mold wash formulations
- 12 Month equipment warranty
- Machine startup and/or field training



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