

CD75MA5 Dri-Prime® Pump

大型抽水機

The Godwin Dri-Prime CD75MA5 pump offers flow rates to 370 USGPM and has the capability of handling solids up to 1.6" in diameter.

The CD75MA5 is able to automatically prime to 28' of suction lift from dry. Manual starting/stopping available through integral mounted control panel.

Indefinite dry-running is no problem due to the unique Godwin liquid bath mechanical seal design. Solids handling, dry-running, and portability make the CD75MA5 the perfect choice for dewatering and bypass applications.



Features and Benefits

- Simple maintenance normally limited to checking fluid levels and filters.
- Dri-Prime (continuously operated Venturi air ejector priming device) requiring no periodic adjustment. Venturi has no moving parts for simple, reliable operation.
- Extensive application flexibility handling sewage, slurries, and liquids with solids up to 1.6" in diameter.
- Dry-running high pressure liquid bath mechanical seal with high abrasion resistant solid silicon carbide faces.
- Close-coupled centrifugal pump with Dri-Prime system coupled to a diesel engine or electric motor.
- All aluminum construction (stainless steel construction option available) with cast iron impeller.
- Standard engine Kubota D722 (IT4 Flex).

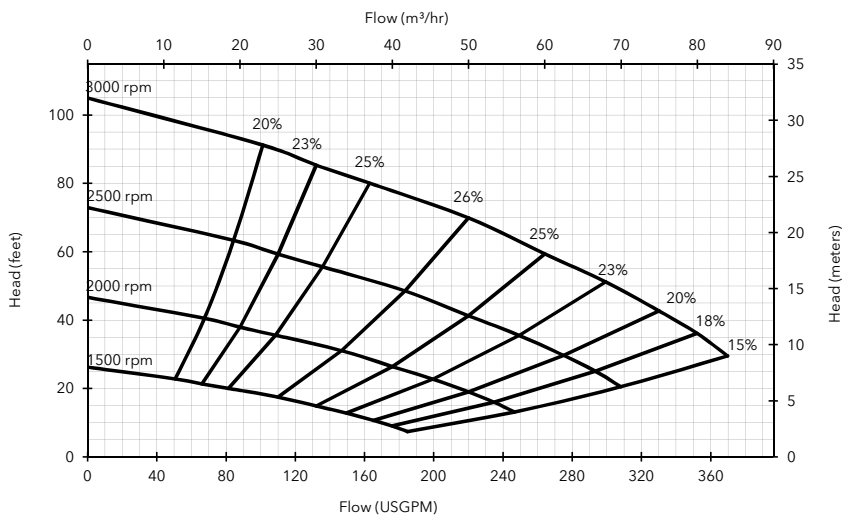
Specifications

| | |
|-----------------------|------------------|
| Suction connection | 2" FNPT, 3" MNPT |
| Delivery connection | 2" FNPT, 3" MNPT |
| Max capacity | 370 USGPM † |
| Max solids handling | 1.6" |
| Max impeller diameter | 6.7" |
| Max operating temp | 176°F* |
| Max pressure | 45 psi |
| Max suction pressure | 22 psi |
| Max casing pressure | 68 psi |
| Max operating speed | 3000 rpm |

* Please contact our office for applications in excess of 176°F.

† Larger diameter pipes may be required for maximum flows.

Performance Curve



Materials

| | |
|-----------------------------|--|
| Pump casing & suction cover | Silicon Aluminium BS1490 Grade LM25TF |
| Wearplates | N/A |
| Pump Shaft | SG Iron |
| Impeller | Cast iron to BS1452 Gr220 |
| Non-return valve body | Silicon Aluminium BS1490 Grade LM25TF |
| Mechanical seal | Silicon carbide face; Viton elastomers; Stainless steel body |

Engine option 1

Kubota D722 (IT4 Flex), 17 HP @ 3000 rpm

Impeller diameter 6.7"

Pump speed 3000 rpm

Suction Lift Table

| Total Suction Head (feet) | Total Delivery Head (feet) | | | | |
|---------------------------|----------------------------|-----|-----|-----|----|
| | 11 | 42 | 52 | 61 | 89 |
| | Output (USGPM) | | | | |
| 10 | 285 | 195 | 164 | 132 | 63 |
| 15 | 217 | 169 | 137 | 100 | 37 |
| 20 | 169 | 143 | 106 | 63 | - |
| 25 | 143 | 106 | 74 | 32 | - |

Fuel capacity: 5 US Gal

Max Fuel consumption @ 3000 rpm: 1.0 US Gal/hr

Max Fuel consumption @ 2600 rpm: 0.9 US Gal/hr

Weight (Dry): 780 lbs

Weight (Wet): 800 lbs

Dim.: (L) 76" x (W) 34" x (H) 43"

Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

