



EFFICIENT BY DESIGN

## 4NHTB Auto Prime Manure Pump High Head Solids Handling Pump Max. 450 m<sup>3</sup>/hour, Max. 140 mwc



### Pump specifications:

Type.....	4NHTB-F18DB
Max. flow .....	450 m <sup>3</sup> /hour
Max. pressure.....	140 mwc
Efficiency .....	71% at BEP
Connections .....	6" DIN x 4" ANSI
Solids handling .....	75 mm
Impeller type .....	Enclosed impeller
Casing impeller.....	Cast iron GG20
Casting material.....	Ductile iron GGG50
Pump shaft .....	Stress-proof SAE 1144
Mechanical seal .....	Cycloseal® + Run-dry
Priming system .....	MP50 diaphragm pump

## FEATURES

### Heavy Duty

For the toughest manure and slurry applications, Cornell offers a wide range of heavy duty high head solids handling pumps. The manure pumps are all iron construction with hard face mechanical seals and double bearing frames.

### Auto Prime

Featuring a 100% mechanical priming system, for quickly prime and re-prime, even from dry conditions.

- Air handling capacity 50 m<sup>3</sup>/hour
- "Easy clean" float box fully galvanised
- Swing-Flex non return valve

### Cycloseal®

Cornell's Cycloseal design has proven itself in the toughest applications, in some cases more than tripling the normally expected mechanical seal life. With its unique deflector vanes, works with the impeller back vanes to create a cyclo-action. This action removes solids and abrasive material from the seal area.

### Cornell Pumps in Europe

A large team of professionals with over 60 years experience in the market are at your service in 7 different languages if you require any assistance with technical and commercial questions about pumps and complete pumping installations.

### Central Warehouse in the Netherlands

- Wide range of Pumps and Parts in stock
- Dedicated customer help-desk (24/7)
- Optional European on-site servicing
- CE Machinery Directive 98/37
- ISO 9001 and ISO 14001 certified





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### PERFORMANCE CURVES

(Density: 998.3 kg/m<sup>3</sup>)

