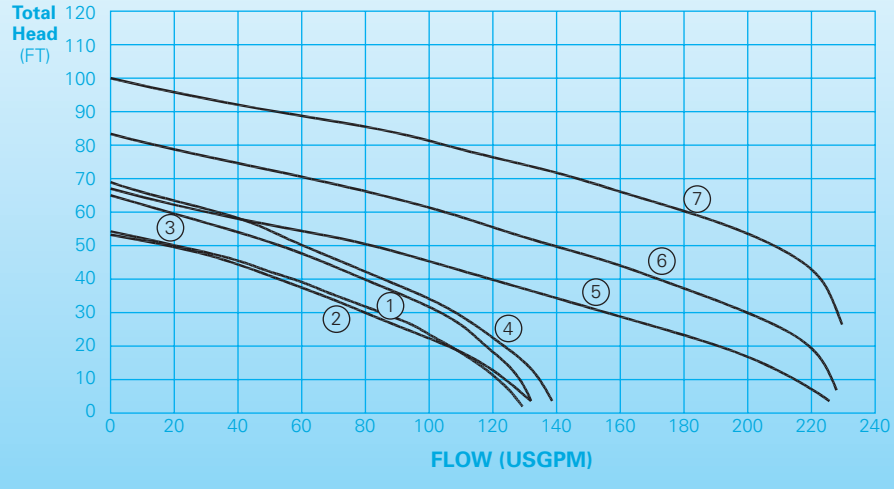
Stainless Steel Submersible Drainage Pumps Multi Channel Impeller with 1 1/4" or 1 3/4" Solid Size 2" and 2 1/2" Discharge

CH 432, CH 436

Performance



Application

HOMA CH 432 and CH 436 stainless steel submersible drainage pumps are suitable for pumping corrosive, abrasive or chemically aggressive liquids, drainage water or chemicals*) containing soft solids up to 1 3/4" diameter. They are used in various domestic, industrial or municipal applications.

Typical Fluids Handled are:

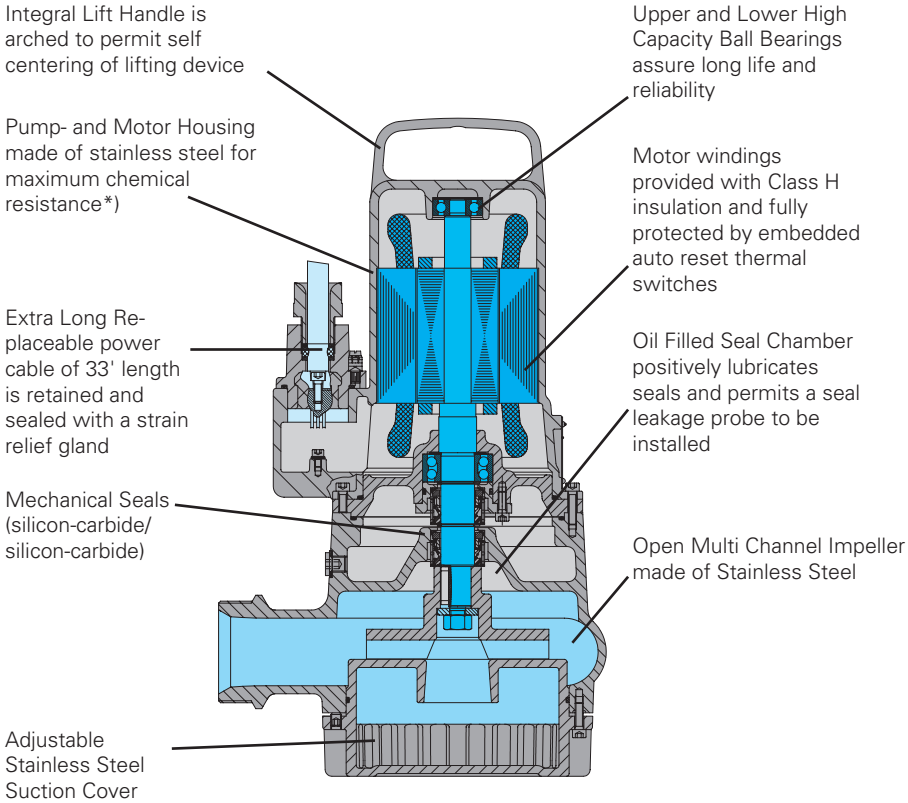
- Drainage water
- Effluent with soft solids
- Chemically aggressive liquids*
- Liquids to 140 F can be handled intermittently*

CH Series Pumps are typically used in:

- Industrial and commercial drainage
- Industrial chemical waste or effluents
- Optional Factory Mutual (FM) label for Class I, Div 1 EX construction.

* According to specific chemical resistance of used materials

Features

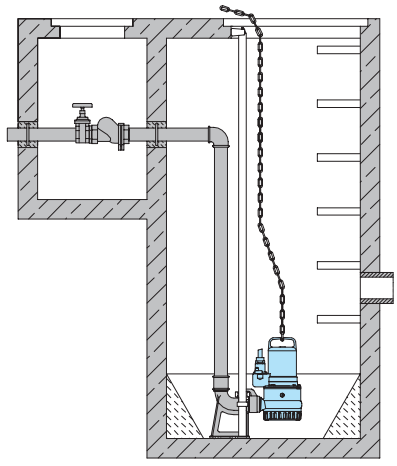


Motor Construction

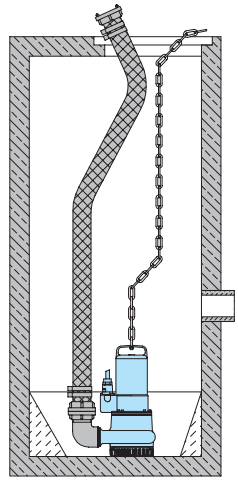
Motor Type:
Enclosed Submersible
NEMA Insulation Code:
Class H
Service Factor:
1.15
NEMA Design Type:
B
Standard Cable Length:
33 ft
Available Motor Voltages:
1 Phase: 115 V, 200 V, 230 V
3 Phase: 200 V, 230 V, 380 V, 460 V, 575 V
Optional Explosion Proof construction:
Factory Mutual approved for Class I, Div. 1, Group C & D.

Installations

Wet pit with autocoupling



Basestand

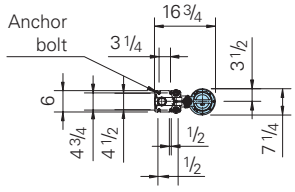


Materials

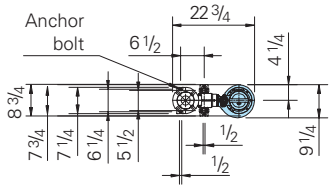
Motor Housing, Volute and Impeller
Stainless Steel AISI 316
Mechanical Seals – Impeller side
Silicon Carbide vs Silicon Carbide, Viton
Shaft Seal – Motor side
Mechanical Seal
Silicon Carbide vs Silicon Carbide, Viton
O-Rings: FPM (Viton)
Upper Bearing:
Deep groove Ball Bearing
Lower Bearing:
Double row angular Ball Bearing
Power Cable Protective Hose:
Polyolefine
Shaft: AISI 430 F
Fasteners: AISI 304 SS

Dimensions (inches) (Tolerance +/- 1/4")

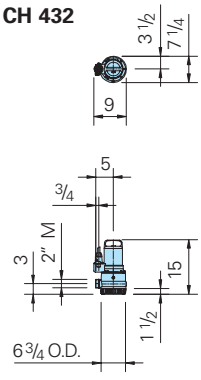
CH 432

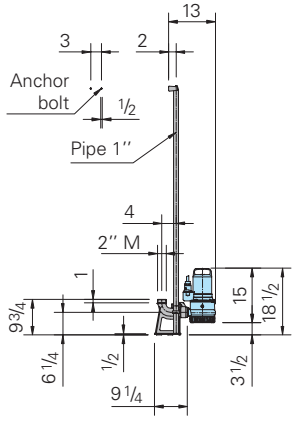


CH 436

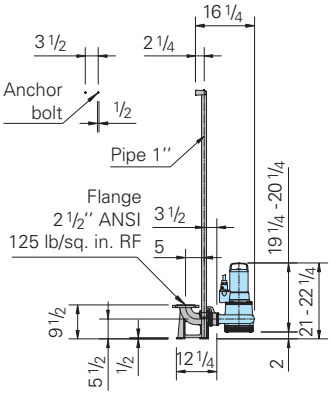


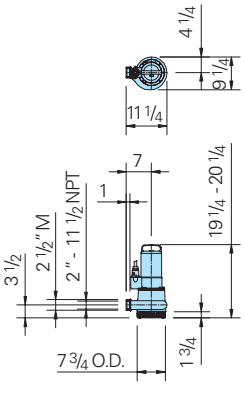
CH 432





CH 436





Technical Data

Curve No.	Pump Type	Rated B.H.P.	Phase	Voltage (V)	Full Load Amps	Speed (rpm)	Discharge BSP	Weight (LBS)	NEMA code
1	CH432/20/2/1	1.5	1	230	6.9	3450	2" M	62	G
2	CH432/19/2/3	1.4	3	230/380/460	4.2/2.5/2.1	3450	2" M	62	G
3	CH432/24/2/1	1.8	1	230	8.0	3450	2" M	62	F
4	CH432/24/2/3	1.8	3	230/380/460	5.2/3.2/2.6	3450	2" M	62	H
5	CH436/28/2/3	2.2	3	230/380/460	6.8/4.1/3.4	3450	2 1/2" M	88	H
6	CH436/38/2/3	3.0	3	230/380/460	8.2/5.0/4.1	3450	2 1/2" M	88	H
7	CH436/54/2/3	4.3	3	230/380/460	11.4/6.9/5.7	3450	2 1/2" M	112	F