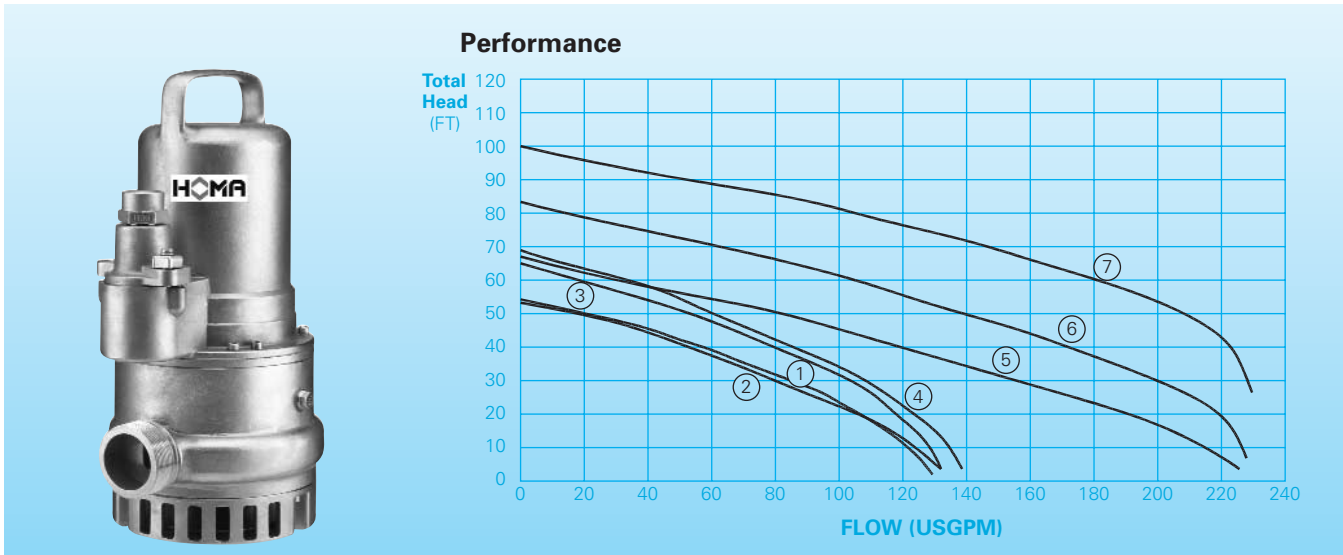


Stainless Steel Submersible Drainage Pumps

Multi Channel Impeller with 1 1/4" or 1 3/4" Solid Size

2" and 2 1/2" Discharge

CH 432, CH 436



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

Integral Lift Handle is arched to permit self centering of lifting device

Pump- and Motor Housing made of stainless steel for maximum chemical resistance*)

Extra Long Replaceable power cable of 33' length is retained and sealed with a strain relief gland

Mechanical Seals (silicon-carbide/silicon-carbide)

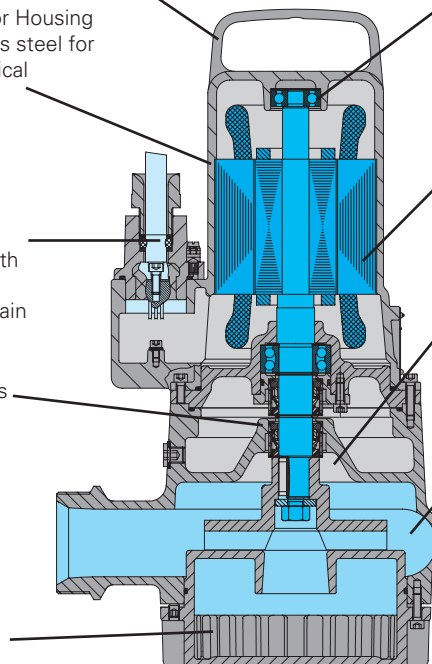
Adjustable Stainless Steel Suction Cover

Upper and Lower High Capacity Ball Bearings assure long life and reliability

Motor windings provided with Class F insulation and fully protected by embedded auto reset thermal switches

Oil Filled Seal Chamber positively lubricates seals and permits a seal leakage probe to be installed

Open Multi Channel Impeller made of Stainless Steel

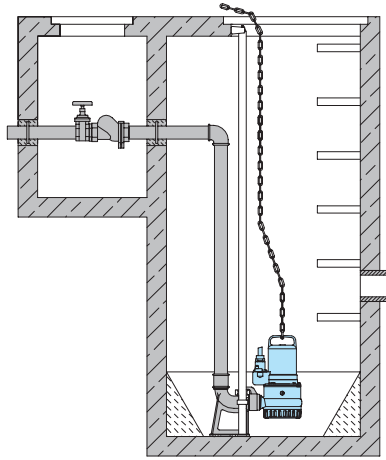


Motor Construction

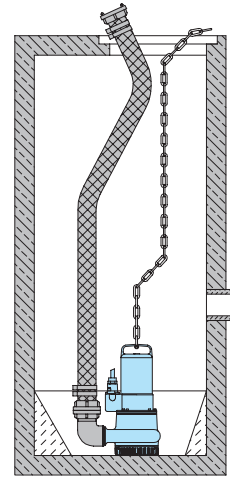
Motor Type:
 Enclosed Submersible
NEMA Insulation Code:
 Class F
Service Factor:
 1.15
NEMA Design Type:
 B
Standard Cable Length:
 33 ft
Available Motor Voltages:
 1 Phase: 115 V, 200 V, 230 V
 3 Phase: 200 V, 230 V, 380 V,
 460 V, 575 V
Optional Explosion Proof
 construction:
 Factory Mutual approved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

Installations

Wet pit with autocoupling



Basestand

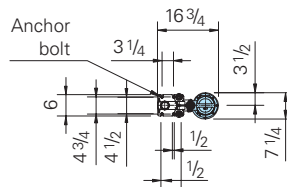


Materials

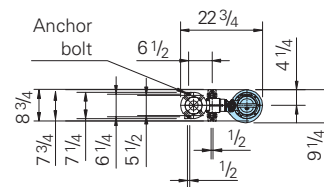
Motor Housing, Volute and Impeller
 Stainless Steel AISI 316
Mechanical Seals – Impeller side
 Silicon Carbide vs Silicon Carbide,
 Viton
Shaft Seal – Motor side
 Mechanical Seal
 Silicon Carbide vs Silicon Carbide,
 Viton
O-Rings: FPM (Viton)
Upper Bearing:
 Deep groove Ball Bearing
Lower Bearing:
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

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

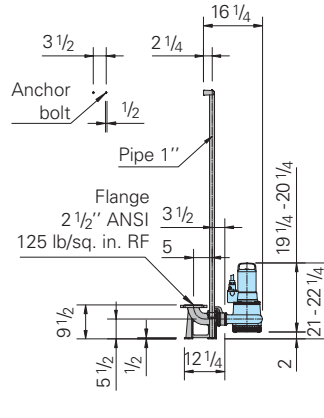
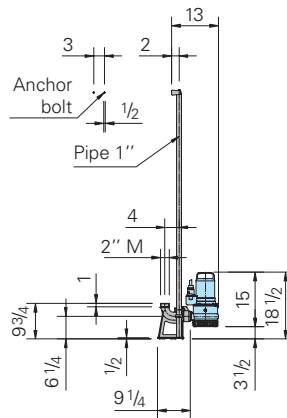
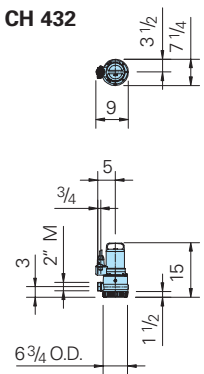
CH 432



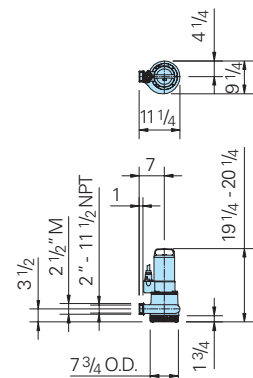
CH 436



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