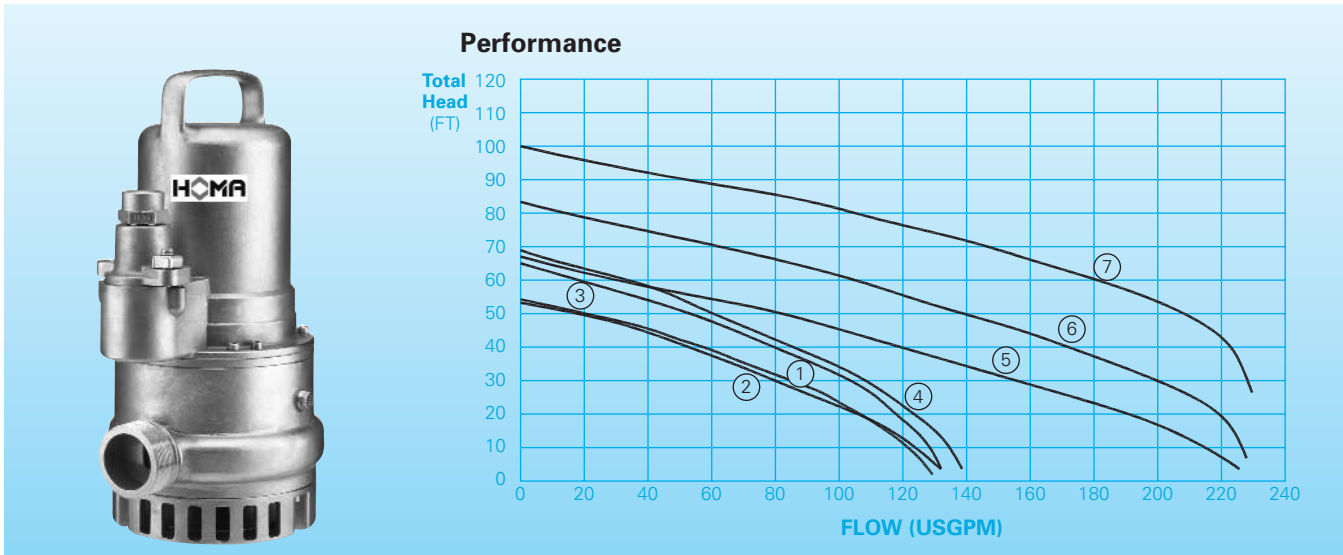


# Stainless Steel Submersible Drainage Pumps

## 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)

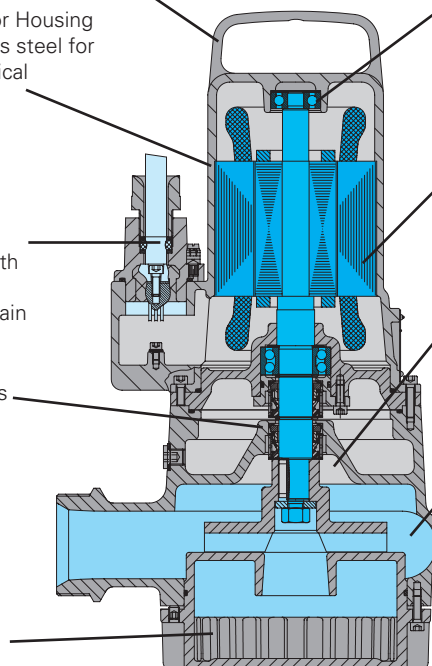
Adjustable Stainless Steel Suction Cover

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

Motor windings provided with Class H 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

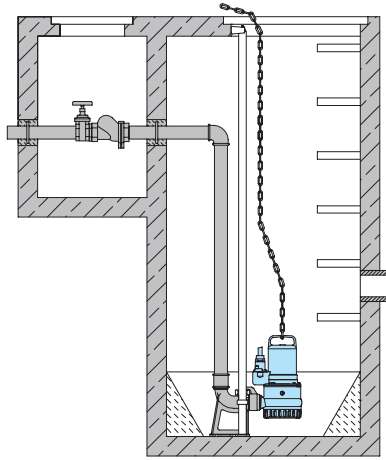


## Motor Construction

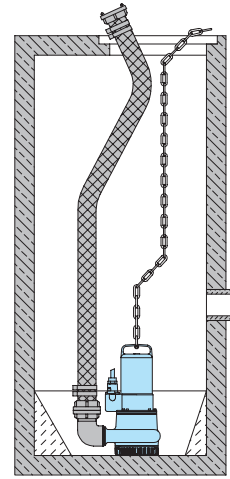
Motor Type:  
 Enclosed Submersible  
NEMA Insulation Code:  
 Class H  
Service Factor:  
 1.15  
NEMA Design Type:  
 B  
Standard Cable Length:  
 33 ft  
Available Motor Voltages:  
 1 Phase: 115 V, 200 V, 230 V  
 3 Phase: 200 V, 230 V, 380 V,  
 460 V, 575 V  
Optional Explosion Proof  
 construction: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

## Installations

### Wet pit with autocoupling



### Basestand

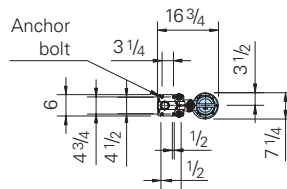


## Materials

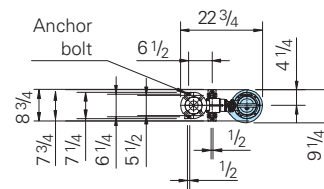
Motor Housing, Volute and Impeller  
 Stainless Steel AISI 316  
Mechanical Seals – Impeller side  
 Silicon Carbide vs Silicon Carbide,  
 Viton  
Shaft Seal – Motor side  
 Mechanical Seal  
 Silicon Carbide vs Silicon Carbide,  
 Viton  
O-Rings: FPM (Viton)  
Upper Bearing:  
 Deep groove Ball Bearing  
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")

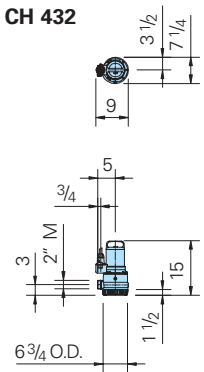
### CH 432



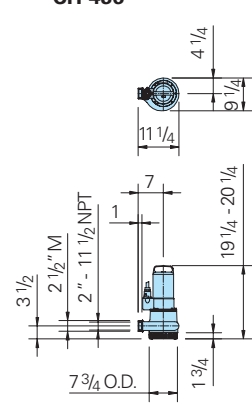
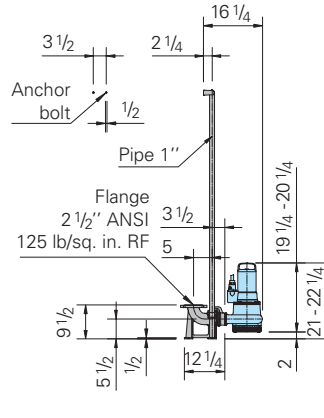
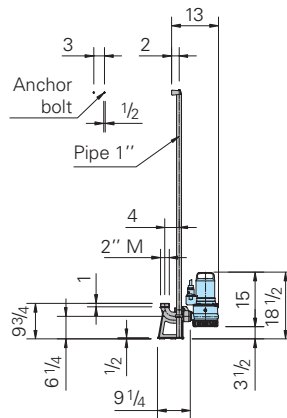
### CH 436



### 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