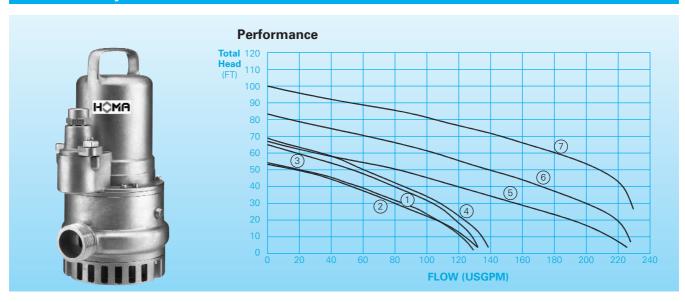


# Stainless Steel Submersible Drainage Pumps Multi Channel Impeller with 1 $^{1}/_{4}$ " or 1 $^{3}/_{4}$ " Solid Size 2" and 2 $^{1}/_{2}$ " Discharge

### 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 13/4" diameter. They are used in various domestic, industrial or municipal applications.

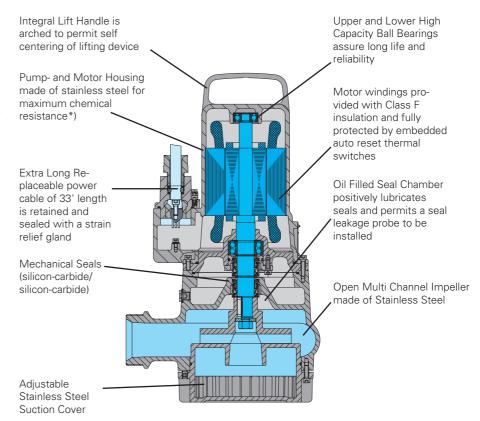
#### Typical Fluids Handled are:

- 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 F

Service Factor:

1.15

NEMA Design Type:

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.

#### **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

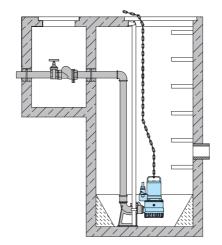
Shaft: AISI 430 F

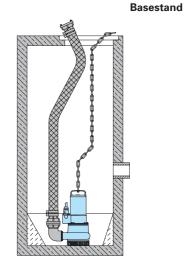
Fasteners: AISI 304 SS

#### Installations

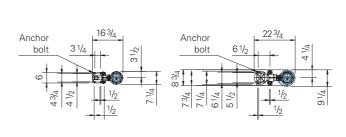
**CH 432** 

#### Wet pit with autocoupling

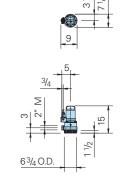




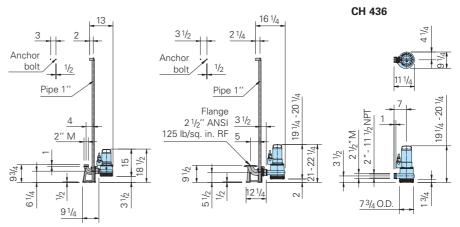
#### Dimensions (inches) (Tolerance +/- 1/4")



**CH 436** 



CH 432



#### **Technical Data**

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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	Н
5	CH436/28/2/3	2.2	3	230/380/460	6.8/4.1/3.4	3450	2 <sup>1</sup> /2" M	88	Н
6	CH436/38/2/3	3.0	3	230/380/460	8.2/5.0/4.1	3450	21/2′′ M	88	Н
7	CH436/54/2/3	4.3	3	230/380/460	11.4/6.9/5.7	3450	2 <sup>1</sup> /2′′ M	112	F