

CMS SERIES



Stainless Steel
Centrifugal Pumps

Specification

Power : 0.37 - 3.0kW
Speed : 2900 rpm
Protection : IP 55 / IP 54
Insulation Class : 'F' / 'B'
Versions 1Ph - 230V, 50Hz (PSC)
Inbuilt with T.O.P.
3Ph - 380 - 415V, 50Hz
Direction of Rotation : Clockwise Viewed from Driving end
Duty : S1 (Continuous).
Inlet & Outlet Size : 1¼" X 1", 1½" x 1¼", 2 x 2"

Materials of Construction

Pump Casing : SS 304
Motor Body : Aluminium
Impeller : SS 304
Shaft : SS 304 + Carbon Steel
Mechanical Seal : Carbon & Ceramic

Operating Conditions

Head Max : 35m
Suction Lift : 7m (Max)
Max. Liquid Temperature : +5°C ~ +60°C / 110°C
Ambient Temperature : 50°C (Max)

Applications

Residential Pressure Boosting Units
Irrigation Industrial Water Supply
Small Farms Food Processing
Washing Systems

Performance Table

| Pump Model | Power | | Pump Size In Inches (suc X Del) | Discharge in Ips / m³/h | | | | | | | | | | | | |
|--------------|-------|------|---------------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| | kW | HP | | Ips | 0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.6 | 1.9 | 2.2 | 2.5 | 2.8 | 3.3 |
| | | | | m³/h | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
| CMS - 5/03S | 0.37 | 0.5 | 1¼ x 1 | Total Head In Meters | 16.5 | 15.5 | 15 | 14.5 | 13 | 12 | 10.5 | 9 | - | - | - | - |
| CMS - 6/05S | 0.55 | 0.75 | 1¼ x 1 | | 19 | 18 | 17 | 16 | 15 | 13.5 | 12.5 | 11 | 10 | - | - | - |
| CMS - 8/07S | 0.75 | 1.0 | 1¼ x 1 | | 23.5 | 22 | 21 | 20 | 18.5 | 17.5 | 16.5 | 15 | 14 | 12.5 | - | - |
| CMS - 7/10S | 1.0 | 1.3 | 1¼ x 1 | | 29 | 28 | 26.5 | 25.5 | 24 | 22.5 | 20.5 | 18.5 | 15.5 | 11.5 | - | - |
| CMS - 8/11S | 1.1 | 1.5 | 1¼ x 1 | | 27 | 26.5 | 26 | 25.5 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | - |
| CMS - 8/15S | 1.5 | 2.0 | 1¼ x 1 | | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 21 | 20 | 17 |
| CMS - 8/18S | 1.8 | 2.5 | 1¼ x 1 | | 36.5 | 35 | 34 | 33 | 32 | 30 | 28.5 | 27 | 24 | 22 | 19 | - |
| CMS - 10/18S | 1.8 | 2.5 | 1½ x 1¼ | | 30 | 29.5 | 29 | 28.5 | 28 | 27.5 | 27 | 26 | 25 | 24 | 23 | 21 |

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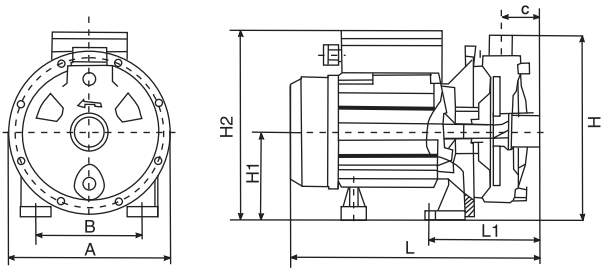


| Pump Model | Power | | Pump Size In Inches (suc X Del) | Discharge in lps / m³/h | | | | | | | | | | | | | |
|--------------|-------|-----|---------------------------------------|-------------------------|----|------|-----|------|------|------|------|-----|------|-----|----------------------|----------------------|-------------------------|
| | kW | HP | | lps | 0 | 0.8 | 1.7 | 2.5 | 3.3 | 4.2 | 5.0 | 5.8 | 6.7 | 7.5 | 8.3 | 9.2 | 10 |
| | | | | m³/h | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
| CMS - 16/11S | 1.1 | 1.5 | 2 x 2 | Total Head In Meters | 21 | 20 | 19 | 18.5 | 17.5 | 16.5 | 14.5 | 13 | 11 | 8.5 | 7 ²⁹ m³/h | - | - |
| CMS - 18/15S | 1.5 | 2.0 | 2 x 2 | | 24 | 23.5 | 23 | 22 | 21 | 19 | 17.5 | 16 | 13.5 | 11 | 8.5 | 8 ³¹ m³/h | - |
| CMS - 24/22S | 2.2 | 3.0 | 2 x 2 | | 26 | 25.5 | 25 | 24.5 | 23.5 | 22.5 | 21.5 | 20 | 18.5 | 17 | 15 | 13 | 12 ³⁴ m³/h |
| CMS - 25/30T | 3.0 | 4.0 | 2 x 2 | | 29 | 28.5 | 28 | 27.5 | 26.5 | 25.5 | 24.5 | 23 | 22 | 20 | 17.5 | 15.5 | 13.5 ³⁵ m³/h |

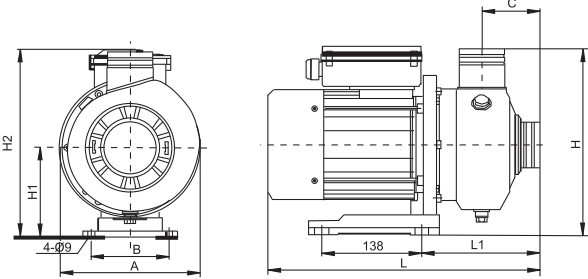
Note: In the Model Name replace the last letter "S" with "T" for 3 Phase Models.

Dimensional Drawing

CMS - 5/03S | CMS - 6/05S | CMS - 8/07S | CMS - 7/10S | CMS - 8/11S | CMS - 8/15S



CMS - 16/11S | CMS - 18/15S | CMS - 24/22S | CMS - 25/30S



Dimensional Details

| Pump Model | Power | | A | B | C | H | H1 | H2 | L | L1 | Gross Weight in Kg |
|--------------|-------|------|-----|-----|----|-----|-----|-----|-----|-----|--------------------|
| | kW | HP | | | | | | | | | |
| CMS - 5/03S | 0.37 | 0.5 | 213 | 120 | 44 | 212 | 108 | 221 | 315 | 135 | 11.5 |
| CMS - 6/05S | 0.55 | 0.75 | 213 | 120 | 44 | 212 | 108 | 221 | 315 | 135 | 12 |
| CMS - 8/07S | 0.75 | 1.0 | 213 | 120 | 44 | 212 | 108 | 221 | 315 | 135 | 13 |
| CMS - 7/10S | 1.0 | 1.3 | 213 | 140 | 47 | 222 | 110 | 242 | 313 | 138 | 15.5 |
| CMS - 8/11S | 1.1 | 1.5 | 240 | 120 | 44 | 257 | 120 | 257 | 378 | 144 | 23 |
| CMS - 8/15S | 1.5 | 2.0 | 240 | 150 | 49 | 257 | 120 | 257 | 378 | 144 | 24 |
| CMS - 8/18S | 1.8 | 2.5 | 234 | 150 | 49 | 240 | 120 | 251 | 337 | 140 | 22 |
| CMS - 10/18S | 1.8 | 2.5 | 231 | 140 | 47 | 222 | 110 | 255 | 366 | 138 | 21.5 |
| CMS - 16/11S | 1.1 | 1.5 | 193 | 108 | 82 | 258 | 125 | 265 | 378 | 165 | 16.5 |
| CMS - 18/15S | 1.5 | 2.0 | 193 | 108 | 82 | 258 | 125 | 265 | 378 | 165 | 18 |
| CMS - 24/22S | 2.2 | 3.0 | 193 | 108 | 82 | 258 | 125 | 242 | 415 | 165 | 22 |
| CMS - 25/30T | 3 | 4.0 | 193 | 108 | 82 | 258 | 125 | 242 | 432 | 165 | 23 |

* All Dimensions are in mm.

In view of continuous improvements in our design and process, The information, dimensions and specifications given herein are subject to change without notice.