

# CS4

## SUBMERGED PUMPS FOR 4" WELLS



Multistage, centrifugal, submerged motor-driven pumps for 4" wells or larger, able to generate a vast range of heads and flow rates. They can be employed in a wide range of lifting, distributing and pressurising applications in civil and industrial water installations, supplying autoclaves and cisterns, fire fighting and washing systems, irrigation systems.

**Constructional characteristics:**  
**Base support (with built-in filter) and upper head (with built-in check valve) in technopolymer. Plastic cable cover.**

Two-pole, asynchronous submerged electric motor, built entirely in AISI 304 stainless steel. Stator encapsulated in synthetic resin with high quality dielectrics and fitted inside a hermetic stainless steel casing. Capacitor and manually resettable overload protection inside the panel supplied with the single-phase version. Protection for the three-phase version is the responsibility of the user.

Complete with Control Box, 15 or 30 m of electric wire (depending on the models) and safety cord.

**Operating range:** from 0.24 to 6 m<sup>3</sup>/h with heads up to 230 m.

**Pumped liquid:** clean, free from solid or abrasive substances, chemically neutral and close to the characteristics of water

**Liquid temp. range:** from 0°C to +40°C

**Motor protection level:** IP 58

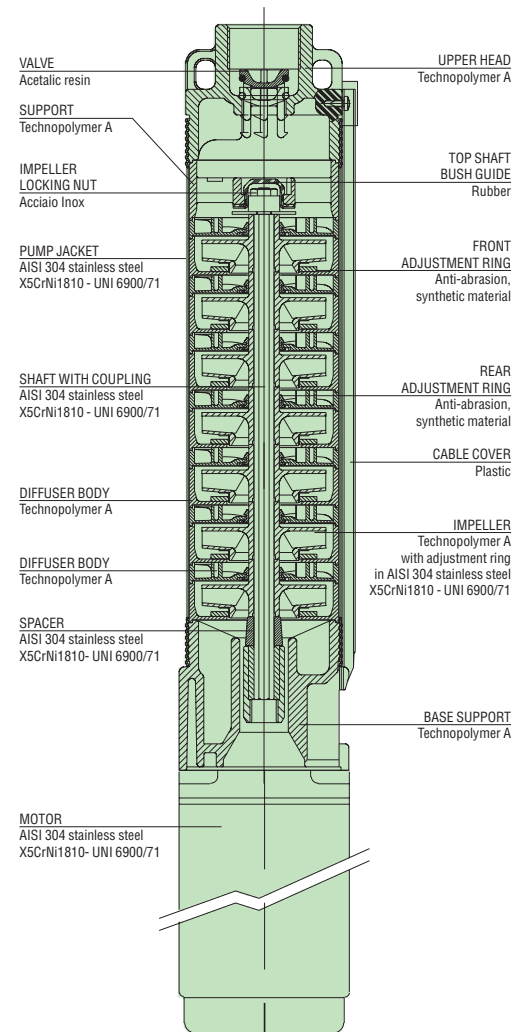
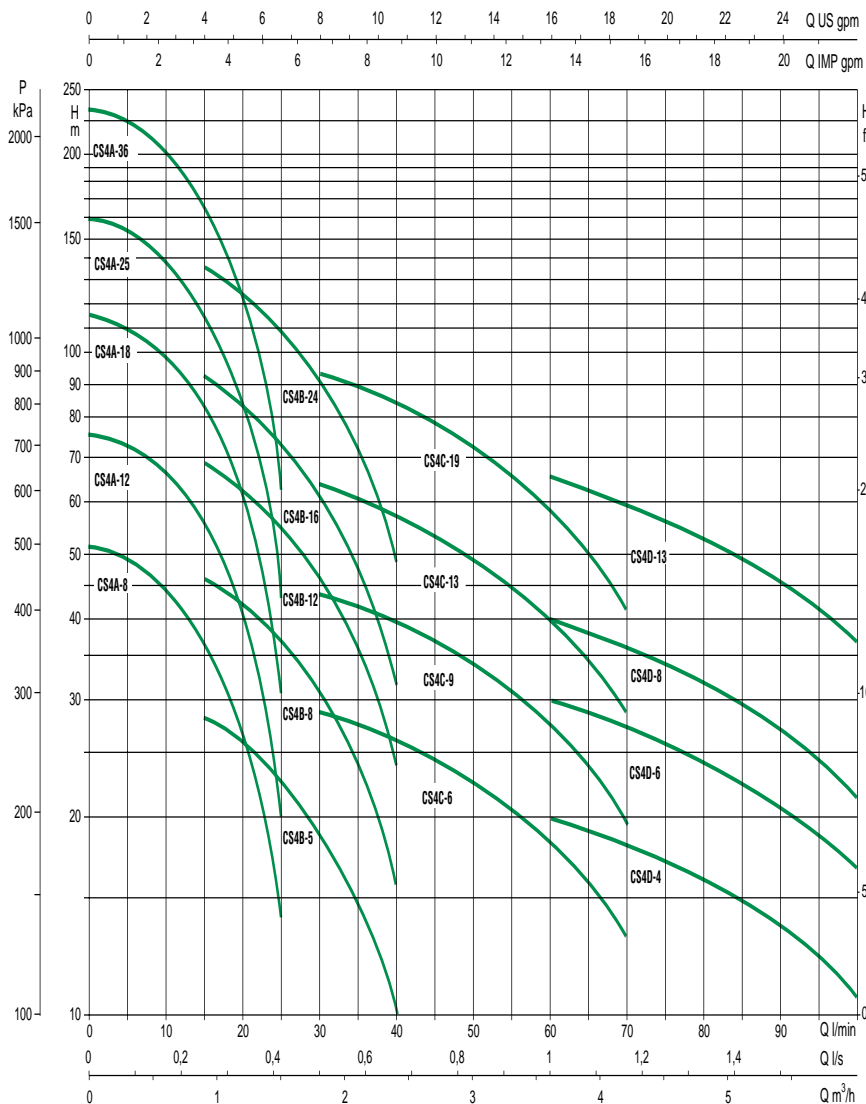
**Insulation class:** B

**Special versions on request:** with different voltages and/or frequencies.

**Maximum content of sand:** 120 g/m<sup>3</sup>

The CONTROL BOX HS is available on request for the single phase version to increase the static torque.

### HYDRAULIC DATA



| MODEL       | ELECTRICAL DATA  |           |            |      |         |           |     | HYDRAULIC DATA (n=2850 1/min) |       |       |       |       |       |      |      |      |      |      |      |      |      |   |  |  | DIMENSIONS |     |           |           |
|-------------|------------------|-----------|------------|------|---------|-----------|-----|-------------------------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|---|--|--|------------|-----|-----------|-----------|
|             | VOLTAGE<br>50 Hz | COS<br>φ  | P2 NOMINAL |      | In<br>A | CAPACITOR |     | Q                             |       |       |       |       |       |      |      |      |      |      |      |      |      |   |  |  | Ø          | H   | DNM       |           |
|             |                  |           | kW         | HP   |         | µF        | Vc  | m³/h                          | 0     | 0,3   | 0,6   | 0,9   | 1,2   | 1,5  | 1,8  | 2,1  | 2,4  | 3    | 3,6  | 4,2  | 4,8  | 6 |  |  |            |     |           |           |
| CS4A-8 M*   | 1x220-230 V~     | 0.79-0.73 | 0.25       | 0.33 | 2.8-3.2 | 12.5      | 400 | 51                            | 48,6  | 44,4  | 37,3  | 26,8  | 13,7  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 577       | 1"1/4 G-F |
| CS4A-12 M*  | 1x220-230 V~     | 0.83-0.78 | 0.37       | 0.5  | 3.5-4   | 16        | 400 | 76,5                          | 72,9  | 66,6  | 55,9  | 40,2  | 20,5  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 677       | 1"1/4 G-F |
| CS4A-12 T*  | 3x400 V~         | 0.7       | 0.37       | 0.5  | 1.1     | -         | -   | 76,5                          | 72,9  | 66,6  | 55,9  | 40,2  | 20,5  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 657       | 1"1/4 G-F |
| CS4A-18 M** | 1x220-230 V~     | 0.90-0.84 | 0.55       | 0.75 | 4.5-4.8 | 20        | 400 | 114,8                         | 109,3 | 99,8  | 84    | 60,3  | 30,8  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 825       | 1"1/4 G-F |
| CS4A-18 T** | 3x400 V~         | 0.75      | 0.55       | 0.75 | 1.6     | -         | -   | 114,8                         | 109,3 | 99,8  | 84    | 60,3  | 30,8  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 797       | 1"1/4 G-F |
| CS4A-25 M** | 1x220-230 V~     | 0.93-0.86 | 0.75       | 1    | 5.7-6.1 | 30        | 400 | 159,4                         | 151,8 | 138,7 | 116,5 | 83,7  | 42,7  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 993       | 1"1/4 G-F |
| CS4A-25 T** | 3x400 V~         | 0.75      | 0.75       | 1    | 2.1     | -         | -   | 159,4                         | 151,8 | 138,7 | 116,5 | 83,7  | 42,7  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 965       | 1"1/4 G-F |
| CS4A-36 M** | 1x220-230 V~     | 0.89-0.82 | 1.1        | 1.5  | 8.7-9.6 | 40        | 400 | 229,5                         | 218,6 | 200   | 167,8 | 120,6 | 61,6  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 1303      | 1"1/4 G-F |
| CS4A-36 T** | 3x400 V~         | 0.76      | 1.1        | 1.5  | 3       | -         | -   | 229,5                         | 218,6 | 200   | 167,8 | 120,6 | 61,6  |      |      |      |      |      |      |      |      |   |  |  |            | 97  | 1245      | 1"1/4 G-F |
| CS4B-5 M*   | 1x220-230 V~     | 0.79-0.73 | 0.25       | 0.33 | 2.8-3.2 | 12.5      | 400 | 31                            |       | 30    | 28,6  | 26    | 22,6  | 19   | 14,8 | 10   |      |      |      |      |      |   |  |  |            | 97  | 530       | 1"1/4 G-F |
| CS4B-8 M*   | 1x220-230 V~     | 0.83-0.78 | 0.37       | 0.5  | 3.5-4   | 16        | 400 | 49,6                          |       | 47,8  | 45,8  | 41,5  | 36,2  | 30,6 | 23,7 | 16   |      |      |      |      |      |   |  |  |            | 97  | 617       | 1"1/4 G-F |
| CS4B-8 T*   | 3x400 V~         | 0.7       | 0.37       | 0.5  | 1.1     | -         | -   | 49,6                          |       | 47,8  | 45,8  | 41,5  | 36,2  | 30,6 | 23,7 | 16   |      |      |      |      |      |   |  |  |            | 97  | 597       | 1"1/4 G-F |
| CS4B-12 M*  | 1x220-230 V~     | 0.90-0.84 | 0.55       | 0.75 | 4.5-4.8 | 20        | 400 | 74,4                          |       | 71,8  | 68,6  | 62,3  | 54,4  | 45,8 | 35,5 | 24   |      |      |      |      |      |   |  |  |            | 97  | 735       | 1"1/4 G-F |
| CS4B-12 T*  | 3x400 V~         | 0.75      | 0.55       | 0.75 | 1.6     | -         | -   | 74,4                          |       | 71,8  | 68,6  | 62,3  | 54,4  | 45,8 | 35,5 | 24   |      |      |      |      |      |   |  |  |            | 97  | 707       | 1"1/4 G-F |
| CS4B-16 M** | 1x220-230 V~     | 0.93-0.86 | 0.75       | 1    | 5.7-6.1 | 30        | 400 | 99,2                          |       | 95,7  | 91,5  | 83    | 72,5  | 61   | 47,4 | 32   |      |      |      |      |      |   |  |  |            | 97  | 853       | 1"1/4 G-F |
| CS4B-16 T** | 3x400 V~         | 0.75      | 0.75       | 1    | 2.1     | -         | -   | 99,2                          |       | 95,7  | 91,5  | 83    | 72,5  | 61   | 47,4 | 32   |      |      |      |      |      |   |  |  |            | 97  | 825       | 1"1/4 G-F |
| CS4B-24 M** | 1x220-230 V~     | 0.89-0.82 | 1.1        | 1.5  | 8.7-9.6 | 40        | 400 | 148,8                         |       | 143,5 | 137,3 | 124,6 | 108,7 | 91,7 | 71   | 48   |      |      |      |      |      |   |  |  |            | 97  | 1090      | 1"1/4 G-F |
| CS4B-24 T** | 3x400 V~         | 0.76      | 1.1        | 1.5  | 3       | -         | -   | 148,8                         |       | 143,5 | 137,3 | 124,6 | 108,7 | 91,7 | 71   | 48   |      |      |      |      |      |   |  |  |            | 97  | 1033      | 1"1/4 G-F |
| CS4C-6 M*   | 1x220-230 V~     | 0.83-0.78 | 0.37       | 0.5  | 3.5-4   | 16        | 400 | 33                            |       |       |       | 31,8  | 30,7  | 29,4 | 27,5 | 26,4 | 22,7 | 18,5 | 13,2 |      |      |   |  |  |            | 97  | 632       | 1"1/4 G-F |
| CS4C-6 T*   | 3x400 V~         | 0.7       | 0.37       | 0.5  | 1.1     | -         | -   | 33                            |       |       |       | 31,8  | 30,7  | 29,4 | 27,5 | 26,4 | 22,7 | 18,5 | 13,2 |      |      |   |  |  |            | 97  | 612       | 1"1/4 G-F |
| CS4C-9 M*   | 1x220-230 V~     | 0.90-0.84 | 0.55       | 0.75 | 4.5-4.8 | 20        | 400 | 49,5                          |       |       |       | 47,7  | 46    | 44   | 41,5 | 39,6 | 34   | 27,5 | 19,8 |      |      |   |  |  |            | 97  | 758       | 1"1/4 G-F |
| CS4C-9 T*   | 3x400 V~         | 0.75      | 0.55       | 0.75 | 1.6     | -         | -   | 49,5                          |       |       |       | 47,7  | 46    | 44   | 41,5 | 39,6 | 34   | 27,5 | 19,8 |      |      |   |  |  |            | 97  | 729       | 1"1/4 G-F |
| CS4C-13 M** | 1x220-230 V~     | 0.93-0.86 | 0.75       | 1    | 5.7-6.1 | 30        | 400 | 71,5                          |       |       |       | 68,9  | 66,4  | 63,7 | 60,5 | 57,2 | 49,2 | 40   | 28,6 |      |      |   |  |  |            | 97  | 915       | 1"1/4 G-F |
| CS4C-13 T** | 3x400 V~         | 0.75      | 0.75       | 1    | 2.1     | -         | -   | 71,5                          |       |       |       | 68,9  | 66,4  | 63,7 | 60,5 | 57,2 | 49,2 | 40   | 28,6 |      |      |   |  |  |            | 97  | 888       | 1"1/4 G-F |
| CS4C-19 M** | 1x220-230 V~     | 0.89-0.82 | 1.1        | 1.5  | 8.7-9.6 | 40        | 400 | 104,5                         |       |       |       | 100,7 | 97    | 93   | 87,8 | 83,6 | 71,8 | 58,5 | 41,8 |      |      |   |  |  |            | 97  | 1168      | 1"1/4 G-F |
| CS4C-19 T** | 3x400 V~         | 0.76      | 1.1        | 1.5  | 3       | -         | -   | 104,5                         |       |       |       | 100,7 | 97    | 93   | 87,8 | 83,6 | 71,8 | 58,5 | 41,8 |      |      |   |  |  |            | 97  | 1110      | 1"1/4 G-F |
| CS4D-4 M*   | 1x220-230 V~     | 0.83-0.78 | 0.37       | 0.5  | 3.5-4   | 16        | 400 | 24                            |       |       |       |       |       | 23   | 22,5 | 22   | 21,8 | 19,9 | 18   | 16,2 | 11,2 |   |  |  | 97         | 567 | 1"1/4 G-F |           |
| CS4D-4 T*   | 3x400 V~         | 0.7       | 0.37       | 0.5  | 1.1     | -         | -   | 24                            |       |       |       |       |       | 23   | 22,5 | 22   | 21,8 | 19,9 | 18   | 16,2 | 11,2 |   |  |  | 97         | 547 | 1"1/4 G-F |           |
| CS4D-6 M*   | 1x220-230 V~     | 0.90-0.84 | 0.55       | 0.75 | 4.5-4.8 | 20        | 400 | 36                            |       |       |       |       |       | 34,5 | 33,7 | 33   | 31,5 | 29,8 | 27   | 24,3 | 16,8 |   |  |  | 97         | 660 | 1"1/4 G-F |           |
| CS4D-6 T*   | 3x400 V~         | 0.75      | 0.55       | 0.75 | 1.6     | -         | -   | 36                            |       |       |       |       |       | 34,5 | 33,7 | 33   | 31,5 | 29,8 | 27   | 24,3 | 16,8 |   |  |  | 97         | 632 | 1"1/4 G-F |           |
| CS4D-8 M*   | 1x220-230 V~     | 0.93-0.86 | 0.75       | 1    | 5.7-6.1 | 30        | 400 | 48                            |       |       |       |       |       | 46   | 45   | 44   | 42   | 40   | 36   | 32,5 | 22,4 |   |  |  | 97         | 753 | 1"1/4 G-F |           |
| CS4D-8 T*   | 3x400 V~         | 0.75      | 0.75       | 1    | 2.1     | -         | -   | 48                            |       |       |       |       |       | 46   | 45   | 44   | 42   | 40   | 36   | 32,5 | 22,4 |   |  |  | 97         | 725 | 1"1/4 G-F |           |
| CS4D-13 M** | 1x220-230 V~     | 0.89-0.82 | 1.1        | 1.5  | 8.7-9.6 | 40        | 400 | 78                            |       |       |       |       |       | 74,7 | 73,2 | 71,5 | 68,3 | 64,6 | 59   | 52,6 | 36,4 |   |  |  | 97         | 973 | 1"1/4 G-F |           |
| CS4D-13 T** | 3x400 V~         | 0.76      | 1.1        | 1.5  | 3       | -         | -   | 78                            |       |       |       |       |       | 74,7 | 73,2 | 71,5 | 68,3 | 64,6 | 59   | 52,6 | 36,4 |   |  |  | 97         | 915 | 1"1/4 G-F |           |

\* Supplied with 15 m. of power supply cable and 15 m. of safety cord as standard. - \*\* Supplied with 30 m. of power supply cable and 30 m. of safety cord as standard.