

## DOMESTIC WATER SUPPLY



Self-priming centrifugal pump for suction up to 27 metres, reached by means of an ejector. Cast iron pump body and motor support. Technopolymer impeller and diffusers. Stainless steel adjustment rings.

Carbon/ceramic mechanical seal.

Cast iron ejector body, technopolymer Venturi tube and brass nozzle.

Asynchronous motor closed and cooled by external ventilation.

Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

**Operating range:** from 0.15 to 4.3 m<sup>3</sup>/h

**Liquid temperature range:**

from 0°C to +40°C for other uses

from 0°C to +35°C for domestic use

**Pumped liquid characteristics:** clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

**Maximum ambient temperature:** +40°C

**Maximum working pressure:**

6 bar (600 kPa) for AP 10.2

8 bar (800 kPa) for AP 15 - AP 25

**Protection level:** IP 44

**Insulation class:** F



## TECHNICAL DATA

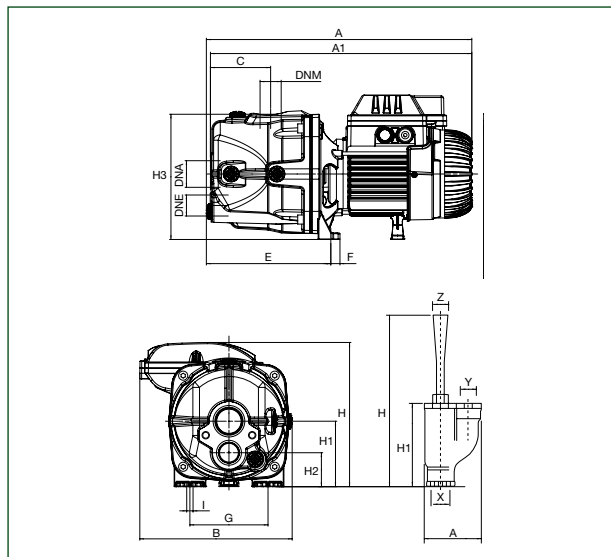
| MODEL    | ELECTRICAL DATA  |              |            |     |         |           |     |
|----------|------------------|--------------|------------|-----|---------|-----------|-----|
|          | VOLTAGE<br>50 Hz | P1 MAX<br>kW | P2 NOMINAL |     | In<br>A | CAPACITOR |     |
|          |                  |              | kW         | HP  |         | µF        | Vc  |
| AP 102 M | 1x220-240 V ~    | 0,79         | 0,75       | 1   | 3,8     | 16        | 450 |
| AP 15 M  | 1x220-240 V ~    | 1,56         | 1,1        | 1,5 | 7       | 31,5      | 450 |
| AP 25 M  | 1x220-240 V ~    | –            | 1,85       | 2,5 | 8,3     | 40        | 450 |

## DIMENSIONS AND WEIGHTS

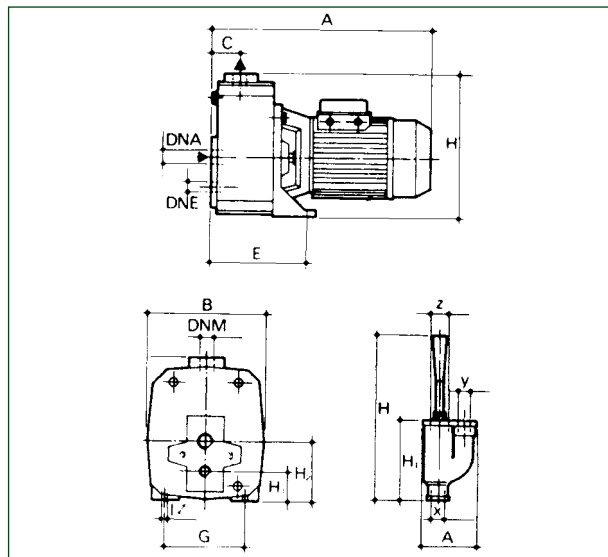
| MODEL  | A   | A1  | B   | C  | E   | G   | I Ø | H   | H1 | H2  | H3  | I | DNA      | DNM  | DNE  | EJECTOR |     |     |      |      |          | PACKAGING DIMENSIONS |     |     |
|--------|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|---|----------|------|------|---------|-----|-----|------|------|----------|----------------------|-----|-----|
|        |     |     |     |    |     |     |     |     |    |     |     |   |          |      |      | A       | H   | H1  | x    | y    | z        | L/A                  | L/B | H   |
| AP 102 | 398 | 392 | 175 | 86 | 177 | 111 | –   | 203 | 94 | 49  | 179 | 9 | 1 1/4" G | 1" G | 1" G | 97      | 295 | 143 | 1" G | 1" G | 1 1/4" G | 480                  | 240 | 240 |
| AP 15  | 388 | –   | 210 | 50 | 197 | 145 | 11  | 155 | 52 | 108 | –   | – | 1 1/4" G | 1" G | 1" G | 97      | 295 | 143 | 1" G | 1" G | 1 1/4" G | –                    | –   | –   |
| AP 25  | 462 | –   | 210 | 50 | 197 | 145 | 11  | 155 | 53 | 108 | –   | – | 1 1/4" G | 1" G | 1" G | 97      | 295 | 143 | 1" G | 1" G | 1 1/4" G | –                    | –   | –   |

## DIMENSIONS AND WEIGHTS

### AP 102



### AP 15-25



## PERFORMANCE RANGE

| HYDRAULIC DATA (n. 2800 1/min.) |            |      |              |               |                          |      |      |      |      |      |      |      |      |      |      |      |     |     |   |   |
|---------------------------------|------------|------|--------------|---------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|---|---|
| MODEL                           | P2 NOMINAL |      | EJECTOR TYPE | SUCTION DEPTH | Delivery pressure in bar |      |      |      |      |      |      |      |      |      |      |      |     |     |   |   |
|                                 | kW         | HP   |              |               | 1,5                      | 2    | 2,5  | 3    | 3,5  | 4    | 4,5  | 5    | 5,5  | 6    | 6,5  | 7    |     |     |   |   |
|                                 |            |      |              |               | Capacity table in l/h    |      |      |      |      |      |      |      |      |      |      |      |     |     |   |   |
| AP 102 M                        | 0,75       | 1    | E 25         | 9             | 2386                     | 1756 | 1097 | 515  | 126  | —    | —    | —    | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      |              | 12            | 1930                     | 1190 | 536  | 87   | —    | —    | —    | —    | —    | —    | —    |      |     |     |   |   |
|                                 |            |      |              | 15            | 1459                     | 773  | 252  | —    | —    | —    | —    | —    | —    | —    | —    |      |     |     |   |   |
|                                 |            |      | E 30         | 12            | —                        | 1240 | 872  | 566  | 329  | 156  | —    | —    | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      |              | 15            | —                        | 1028 | 701  | 449  | 255  | 96   | —    | —    | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      |              | 18            | —                        | 785  | 527  | 302  | 150  | 15   | —    | —    | —    | —    | —    | —    |     |     |   |   |
| AP 15 M                         | 1,1        | 1,5  | E 20         | 9             | —                        | —    | —    | 3470 | 2890 | 2220 | 1500 | 750  | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      |              | 12            | —                        | —    | —    | 3110 | 2510 | 1850 | 1100 | 300  | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      |              | 15            | —                        | —    | —    | 2710 | 2100 | 1380 | 640  | —    | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      |              | 18            | —                        | —    | —    | 2360 | 1700 | 950  | —    | —    | —    | —    | —    | —    |     |     |   |   |
|                                 |            |      | E 25         | 15            | —                        | —    | —    | 2800 | 2330 | 1830 | 1350 | 900  | 520  | —    | —    | —    | —   |     |   |   |
|                                 |            |      |              | 18            | —                        | —    | —    | 2530 | 2050 | 1550 | 1090 | 680  | 300  | —    | —    | —    | —   |     |   |   |
|                                 |            |      |              | 21            | —                        | —    | —    | 2280 | 1800 | 1300 | 860  | 470  | —    | —    | —    | —    | —   |     |   |   |
|                                 |            |      |              | E 30          | 21                       | —    | —    | —    | 1820 | 1650 | 1410 | 1160 | 910  | 700  | 520  | —    | —   | —   |   |   |
|                                 |            |      | 24           |               | —                        | —    | —    | 1680 | 1520 | 1260 | 1020 | 780  | 580  | 420  | —    | —    | —   |     |   |   |
|                                 |            |      | AP 25 M      |               | 1,85                     | 2,5  | E 20 | 9    | —    | —    | —    | 4300 | 3600 | 2900 | 2180 | 1400 | 640 | —   | — | — |
|                                 |            |      |              |               |                          |      |      | 12   | —    | —    | —    | 3750 | 3140 | 2540 | 1700 | 940  | —   | —   | — | — |
|                                 |            |      |              | 15            |                          |      |      | —    | —    | —    | —    | 2780 | 2040 | 1300 | 500  | —    | —   | —   | — |   |
| 18                              | —          | —    |              | —             |                          |      |      | —    | 2340 | 1610 | 820  | —    | —    | —    | —    | —    |     |     |   |   |
| E 25                            | 15         | —    | —            | —             |                          |      | —    | 2920 | 2400 | 1900 | 1400 | 950  | 570  | —    | —    | —    |     |     |   |   |
|                                 | 18         | —    | —            | —             |                          |      | —    | 2600 | 2110 | 1620 | 1150 | 720  | 360  | —    | —    | —    |     |     |   |   |
|                                 | 21         | —    | —            | —             |                          |      | —    | 2350 | 1850 | 1350 | 900  | 510  | —    | —    | —    | —    |     |     |   |   |
|                                 | 24         | —    | —            | —             |                          |      | —    | 2050 | 1550 | 1080 | 660  | 300  | —    | —    | —    | —    |     |     |   |   |
| E 30                            | 21         | —    | —            | —             |                          |      | —    | —    | 1710 | 1480 | 1220 | 980  | 770  | 590  | 420  |      |     |     |   |   |
|                                 | 24         | —    | —            | —             |                          |      | —    | —    | 1580 | 1330 | 1080 | 850  | 670  | 490  | 330  |      |     |     |   |   |
|                                 | AP 25 M    | 1,85 | 2,5          | E 20          |                          |      | 27   | —    | —    | —    | —    | 1440 | 1200 | 950  | 750  | 560  | 400 | 250 |   |   |
|                                 |            |      |              |               |                          |      | E 25 | 15   | —    | —    | —    | —    | 2920 | 2400 | 1900 | 1400 | 950 | 570 | — | — |
| 18                              |            |      |              |               | —                        | —    |      | —    | —    | 2600 | 2110 | 1620 | 1150 | 720  | 360  | —    | —   |     |   |   |
| 21                              |            |      |              |               | —                        | —    |      | —    | —    | 2350 | 1850 | 1350 | 900  | 510  | —    | —    |     |     |   |   |
| 24                              | —          |      |              | —             | —                        | —    |      | 2050 | 1550 | 1080 | 660  | 300  | —    | —    | —    |      |     |     |   |   |
| E 30                            | 21         |      |              | —             | —                        | —    | —    | —    | 1710 | 1480 | 1220 | 980  | 770  | 590  | 420  |      |     |     |   |   |
|                                 | 24         |      |              | —             | —                        | —    | —    | —    | 1580 | 1330 | 1080 | 850  | 670  | 490  | 330  |      |     |     |   |   |
|                                 | 27         |      |              | —             | —                        | —    | —    | —    | 1440 | 1200 | 950  | 750  | 560  | 400  | 250  |      |     |     |   |   |