

## NOCCHI JETINOX SELF-PRIMING PUMPS IN STAINLESS STEEL

SELF-PRIMING, HIGH SUCTION CAPACITY

The self-priming pumps in the JETINOX range combine the advantages and practical features of centrifugal pumps with the functionality of self-priming pumps, as well as quality performance. The Venturi pipe system on these pumps guarantees optimal hydraulic performance and impressive suction capacity, maintaining priming even in the presence of air or gas bubbles trapped in the water.

### MOTOR

- Closed, ventilated from exterior.
- Protection rating IP 44.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal cutout protection incorporated in motor winding.
- Rotation speed 2850 rpm.
- Continuous duty.

### APPLICATIONS

- Lifting and distribution of water in domestic systems, with continuous or intermittent duty.
- Pressure booster systems.
- Washing, irrigation of vegetable gardens, supply to fountains, transfers.
- Lifting from wells or cisterns.

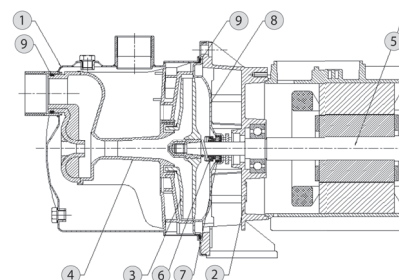
### APPLICATION DATA

- Type of liquid: clean water without suspended solid bodies or abrasive material.
- Maximum liquid temperature: 50°C.
- Maximum recommended suction height: 8 m with foot valve.
- Maximum operating pressure: 6 bar.



### TABLE OF MATERIALS

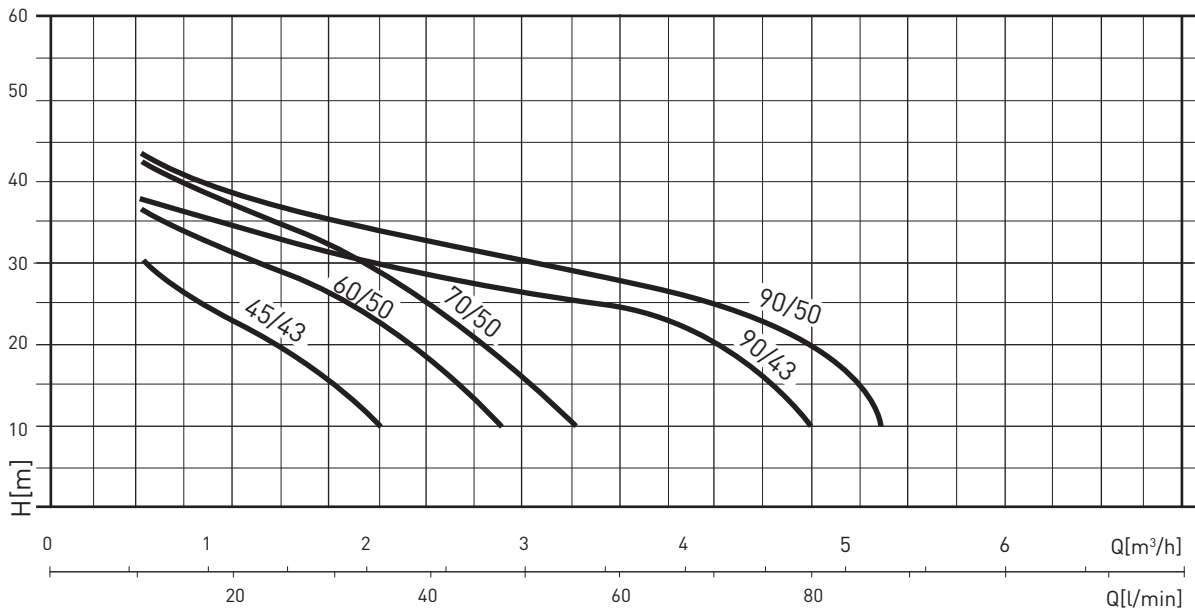
| Component |                                                   | Material                                                                             |
|-----------|---------------------------------------------------|--------------------------------------------------------------------------------------|
| 1         | Pump body                                         | Stainless steel X5 CrNi 1810 (AISI 304)                                              |
| 2         | Motor bracket                                     | Die cast aluminum                                                                    |
| 3         | Impeller                                          | Technopolymer with shim ring in stainless steel                                      |
| 4         | Freestanding diffuser unit<br>Venturi pipe nozzle | Technopolymer                                                                        |
| 5         | Shaft                                             | Stainless steel X 12 CrNiS 1809 (AISI 416)                                           |
| 6         | Mechanical gasket                                 | Graphite                                                                             |
| 7         | Counterface                                       | Ceramic                                                                              |
| 8         | Gasket backing plate                              | Technopolymer (series 45-60-70)<br>Stainless steel X5 CrNi 1810 (AISI 304) series 90 |
| 9         | Seals                                             | NBR 70 Shore                                                                         |



# NOCCHI JETINOX

## ELECTRIC SELF-PRIMING PUMPS IN STAINLESS STEEL

### HYDRAULIC PERFORMANCE



### PERFORMANCE TABLE

| MODEL           | Motor output (P2) |      | Motor output (P1) |     | VOLT          | In (A) | µF   | Q               | L/ min<br>m³/h | 0    | 10   | 20  | 30  | 40   | 50 | 60  | 70  | 80  |
|-----------------|-------------------|------|-------------------|-----|---------------|--------|------|-----------------|----------------|------|------|-----|-----|------|----|-----|-----|-----|
|                 | HP                | kW   | HP                | kW  |               |        |      |                 |                | 0    | 0.6  | 1.2 | 1.8 | 2.4  | 3  | 3.6 | 4.2 | 4.8 |
|                 |                   |      |                   |     |               |        |      |                 |                |      |      |     |     |      |    |     |     |     |
| JETINOX 45/43 M | 0.5               | 0.37 | 0.8               | 0.6 | 1 ~ 220-240 V | 3      | 8    | m.c.a. / m.w.c. | 43             | 30   | 23   | 16  | 1   |      |    |     |     |     |
| JETINOX 60/50 M | 0.75              | 0.55 | 1.1               | 0.8 | 1 ~ 220-240 V | 4      | 12.5 |                 | 46             | 36   | 31   | 26  | 18  | 6    |    |     |     |     |
| JETINOX 70/50 M | 0.95              | 0.7  | 1.36              | 1.0 | 1 ~ 220-240 V | 4.5    | 16   |                 | 48             | 42.5 | 37.5 | 32  | 25  | 16.5 | 7  |     |     |     |
| JETINOX 90/43 M | 1.0               | 0.75 | 1.8               | 1.3 | 1 ~ 220-240 V | 6.5    | 20   |                 | 43             | 38   | 34   | 32  | 29  | 27   | 25 | 21  | 10  |     |
| JETINOX 90/50 M | 1.2               | 0.9  | 2                 | 1.5 | 1 ~ 220-240 V | 7      | 25   |                 | 50             | 42   | 39   | 37  | 33  | 30   | 27 | 25  | 20  |     |
| JETINOX 60/50 C | 0.75              | 0.55 | 1.10              | 0.8 | 1 ~ 230-240 V | 4      | 12.5 |                 | 46             | 36   | 31   | 26  | 18  | 6    |    |     |     |     |
| JETINOX 70/50 C | 0.95              | 0.7  | 1.36              | 1.0 | 1 ~ 230-240 V | 4.5    | 16   |                 | 48             | 42.5 | 37.5 | 32  | 25  | 16.5 | 7  |     |     |     |
| JETINOX 90/43 C | 1.0               | 0.75 | 1.80              | 1.3 | 1 ~ 230-240 V | 6.5    | 20   |                 | 43             | 38   | 34   | 32  | 29  | 27   | 25 | 21  | 10  |     |

### OVERALL DIMENSIONS AND WEIGHTS

| MODEL         | Dimensions (mm) |    |     |     |     |          |      | Weight (kg) |
|---------------|-----------------|----|-----|-----|-----|----------|------|-------------|
|               | A               | B  | C   | D   | E   | DNA      | DNM  |             |
| JETINOX 45/43 | 351             | 93 | 140 | 190 | 178 | 1" F     | 1" F | 4.7         |
| JETINOX 60/50 | 374             | 93 | 140 | 190 | 178 | 1" F     | 1" F | 8.2         |
| JETINOX 70/50 | 351             | 76 | 144 | 196 | 180 | 1" F     | 1" F | 9.5         |
| JETINOX 90/43 | 397             | 98 | 168 | 220 | 235 | 1" 1/4 M | 1" F | 11          |
| JETINOX 90/50 | 430             | 98 | 168 | 260 | 235 | 1" 1/4 M | 1" F | 13          |

