

JSW1

self-priming "JET" pumps



JSWm 1

PERFORMANCE RANGE

Flow rate up to 50 l/min (3 m³/h)
Dynamic head up to 47 m

OPERATING LIMITS

Suction lift up to 9 m
Fluid temperature up to + 40°C
Maximum ambient temperature + 40°C

CONSTRUCTION AND SAFETY STANDARDS:

| | |
|-------------|------------|
| EN 60 335-1 | EN 60034-1 |
| IEC 335-1 | IEC 34-1 |
| CEI 61-150 | CEI 2-3 |

CONSTRUCTION

Monoblock self-priming centrifugal pumps with ejector housed in the pump body.

PUMP INSTALLATION AND APPLICATIONS

THESE PUMPS ARE SUITABLE FOR PUMPING CLEAN WATER AND FLUIDS WHICH ARE NOT CHEMICALLY AGGRESSIVE TO THE PUMP COMPONENTS EVEN IN THE PRESENCE OF ENTRAPPED AIR IN THE FLUID BEING PUMPED.

THEY ARE EXTREMELY RELIABLE, ECONOMICAL AND SIMPLE TO USE, BEING PARTICULARLY SUITABLE FOR DOMESTIC APPLICATIONS SUCH AS THE AUTOMATIC DISTRIBUTION OF WATER FROM SMALL AND MEDIUM-SIZED SURGE TANKS, FOR WATERING GARDENS, ETC.

These pumps should be installed in a covered area, protected against weather.

N.B. It is always advisable to install a foot valve or a non return valve on the suction opening.

WARRANTY: 2 YEARS

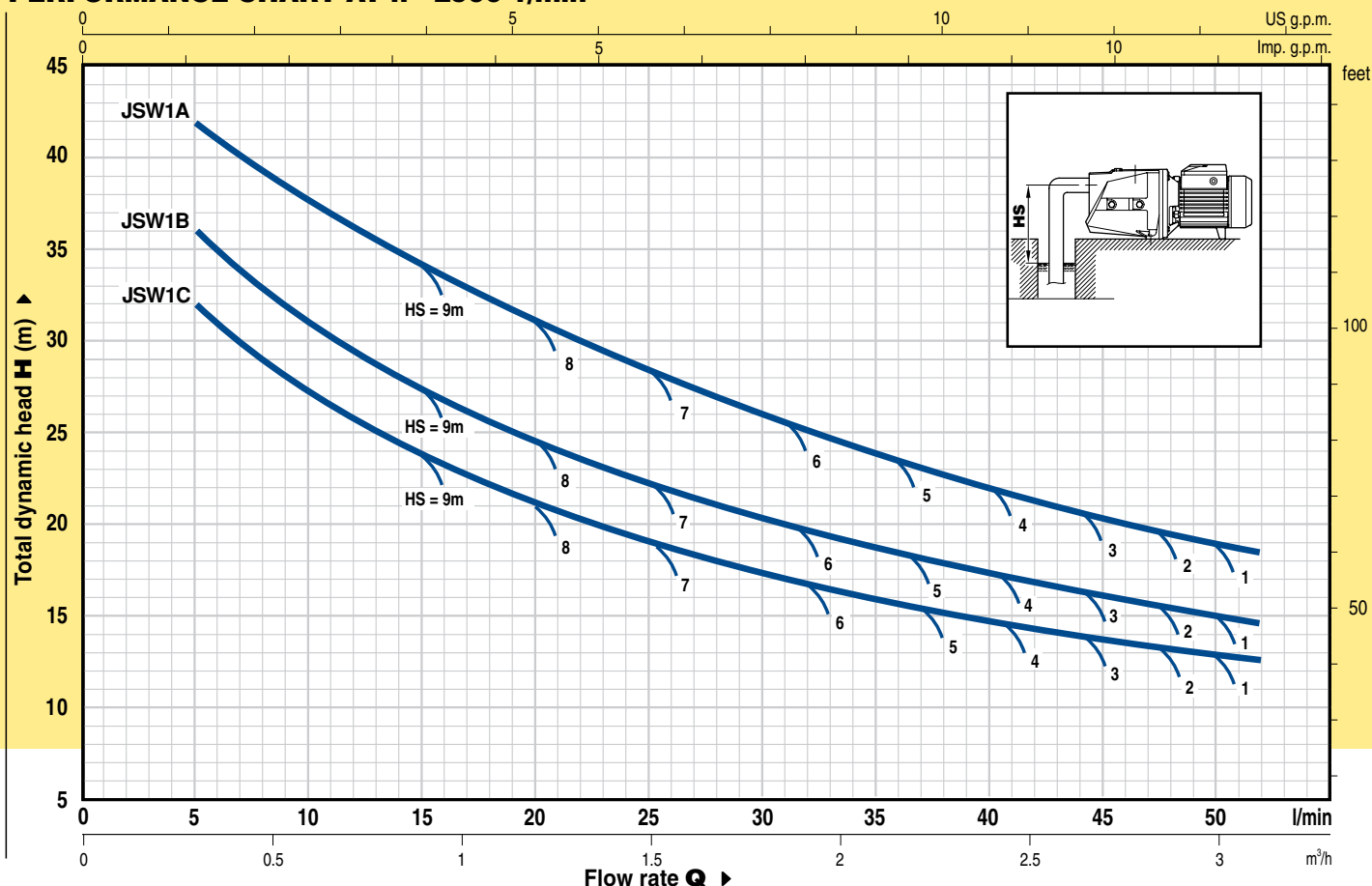
(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **PUMP BODY:** cast iron, with UNI ISO 228/1 gas threaded suction and delivery openings, threaded side openings for installing a pressure gauge and pressure switch.
- **PUMP BODY COVER:** AISI 304 stainless steel, serving also as mechanical seal housing.
- **EJECTOR UNION:** "General Electric" Noryl® technopolymer (approved for drinking water).
- **IMPELLER:** centrifugal radial flow in brass or "General Electric" Noryl® technopolymer (approved for drinking water) on request.
- **MOTOR SHAFT:** AISI 416 stainless steel.
- **MECHANICAL SEAL:** ceramic and graphite.
- **MOTOR:**
the pumps are coupled to an asynchronous, high efficiency PEDROLLO induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. INSULATION class B.
The thermal cutout relay (motor protector) is incorporated in single phase motors.
Three phase motors require an adequate external motor protector, with connections according to current standards.
- **PROTECTION:** IP 44.
- **REGISTERED MODEL** n° 72753.



PERFORMANCE CHART AT n= 2900 1/min

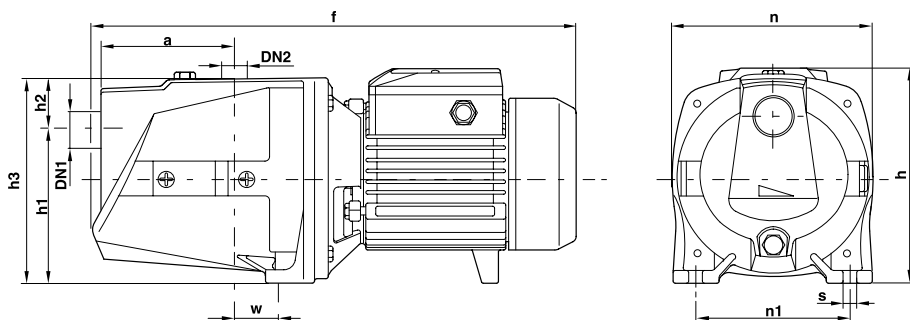


PERFORMANCE DATA AT n= 2900 1/min

| PUMP MODEL | | POWER | | Q m³/h l/min | 0 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
|--------------|-------------|-------|------|--------------------|----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|
| Single phase | Three phase | kW | HP | | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| JSWm 1C | JSW 1C | 0.37 | 0.50 | H (m) | 35 | 32 | 27 | 24 | 21 | 19 | 17 | 16 | 15 | 14 | 13 |
| JSWm 1B | JSW 1B | 0.50 | 0.70 | | 41 | 36 | 31 | 27 | 24 | 22 | 20 | 19 | 17 | 16 | 15 |
| JSWm 1A | JSW 1A | 0.60 | 0.85 | | 47 | 42 | 38 | 34 | 31 | 28.5 | 26 | 24 | 22 | 21.5 | 19 |

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

| PUMP MODEL | | DN1 | DN2 | DIMENSIONI mm | | | | | | | | | |
|--------------|-------------|-----|-----|---------------|-----|-----|-----|------|-------|-----|-----|----|----|
| Single phase | Three phase | | | a | f | h | h1 | h2 | h3 | n | n1 | w | s |
| JSWm 1C | JSW 1C | 1" | 1" | 115 | 379 | 171 | 127 | 33.5 | 160.5 | 160 | 124 | 24 | 10 |
| JSWm 1B | JSW 1B | 1" | 1" | 115 | 379 | 171 | 127 | 33.5 | 160.5 | 160 | 124 | 24 | 10 |
| JSWm 1A | — | 1" | 1" | 115 | 387 | 171 | 127 | 33.5 | 160.5 | 160 | 124 | 24 | 10 |
| — | JSW 1A | 1" | 1" | 115 | 379 | 171 | 127 | 33.5 | 160.5 | 160 | 124 | 24 | 10 |