# JSW3

## self-priming "JET" pumps

JSW 3

### PERFORMANCE RANGE

**Flow rate up to 160 l/min (9.6 m³/h)**
**Dynamic head up to 96 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, CIVIL AND INDUSTRIAL APPLICATIONS SUCH AS THE AUTOMATIC DISTRIBUTION OF WATER WORKING IN CONJUNCTION WITH 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

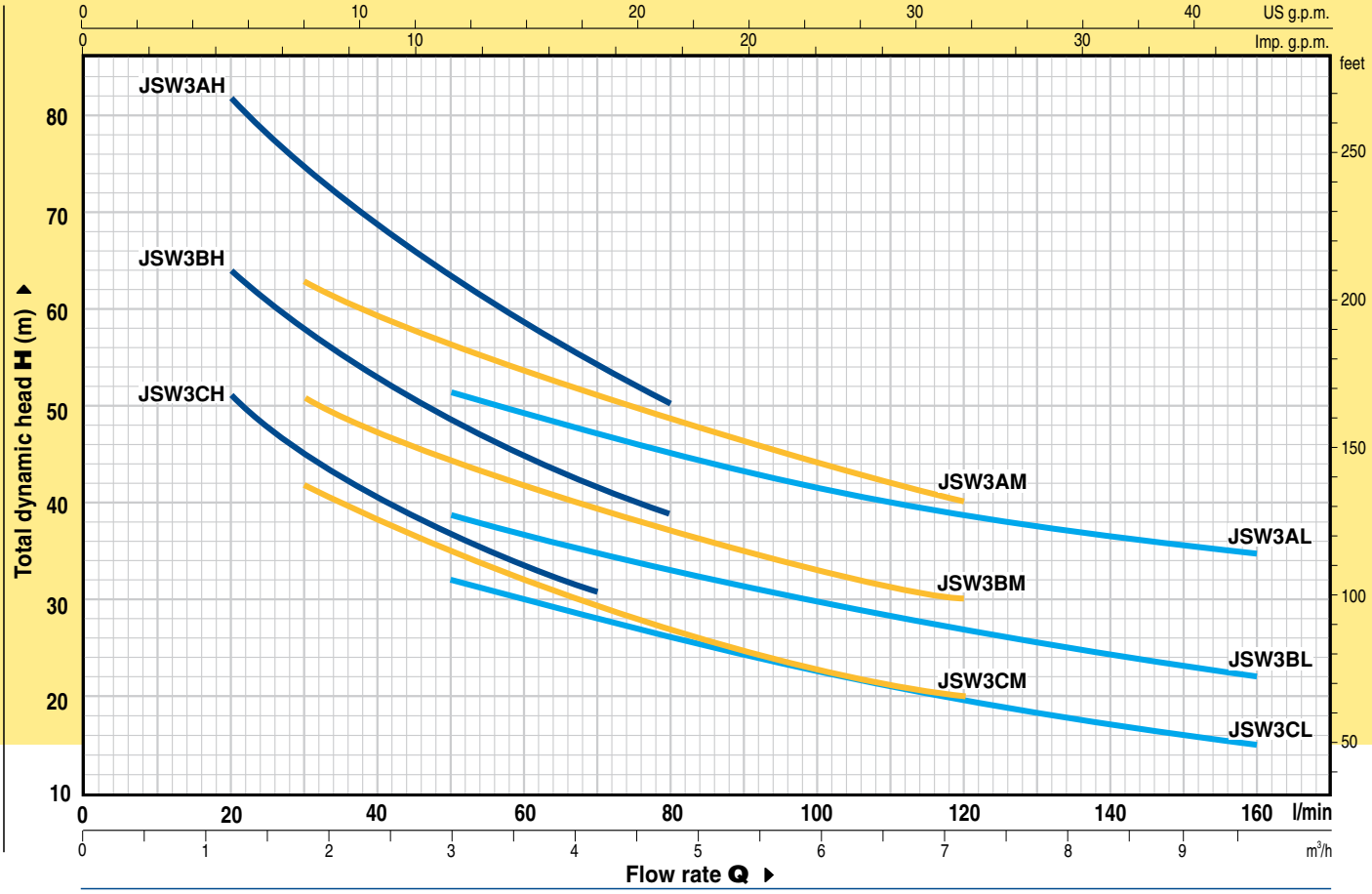
(according to our general sales conditions).

### 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:**
  **cast iron,** serving also as mechanical seal housing.
- **EJECTOR UNION:**
  "General Electric" **Noryl® technopolymer** (approved for drinking water).
- **IMPELLER: brass,** centrifugal radial flow type.
- **MOTOR SHAFT: AISI 430F 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 F.
  **The thermal cutout relay (motor protector) is incorporated in all 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**

PEDROLLO®

## PERFORMANCE CHART AT n= 2900 1/min

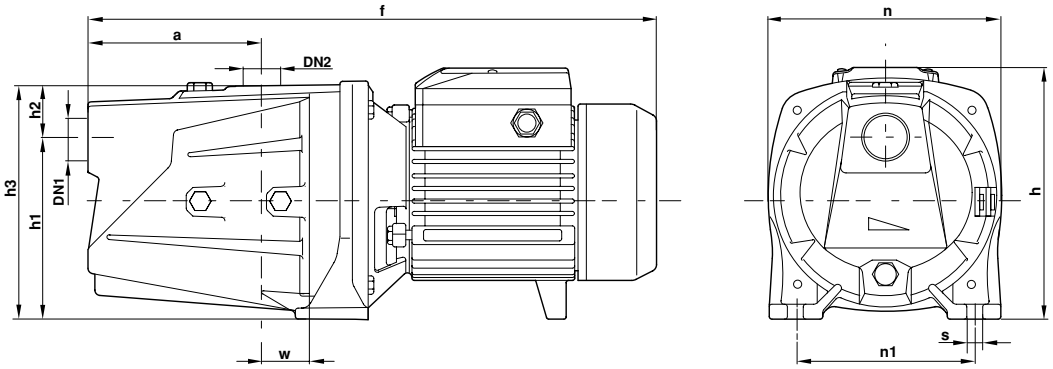



## PERFORMANCE DATA AT n= 2900 1/min

| PUMP MODEL Single phase | PUMP MODEL Three phase | POWER kW | POWER HP | Q m³/h | 0 | 0.6 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.6 | 4.2 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **l/min** | **0** | **10** | **15** | **20** | **25** | **30** | **35** | **40** | **45** | **50** | **60** | **70** | **80** | **100** | **120** | **140** | **160** |
| **JSWm 3CH** | **JSW 3CH** | 1.1 | 1.5 | | 64 | 60 | 55 | 51 | 48 | 45 | 42.5 | 40 | 39 | 37 | 34 | 31 | | | | | |
| **JSWm 3BH** | **JSW 3BH** | 1.5 | 2 | | 76 | 70 | 67 | 64 | 61 | 58 | 55.5 | 53 | 51 | 49 | 45 | 41 | 39 | | | | |
| **——** | **JSW 3AH** | 2.2 | 3 | | 96 | 90 | 86 | 82 | 79 | 75 | 71.5 | 69 | 66 | 64 | 58 | 54 | 50 | | | | |
| **JSWm 3CM** | **JSW 3CM** | 1.1 | 1.5 | **H** | 52 | 50 | 48 | 45 | 44 | 42 | 40 | 38 | 37 | 35 | 32 | 29 | 27 | 23 | 20 | | |
| **JSWm 3BM** | **JSW 3BM** | 1.5 | 2 | (m) | 60 | 58 | 56 | 54 | 52 | 51 | 49 | 47 | 46 | 45 | 42 | 39 | 37 | 33 | 30 | | |
| **——** | **JSW 3AM** | 2.2 | 3 | | 74 | 70 | 68 | 67 | 65 | 63 | 61 | 59 | 58 | 56 | 54 | 51 | 49 | 44 | 40 | | |
| **JSWm 3CL** | **JSW 3CL** | 1.1 | 1.5 | | 42 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 30 | 28 | 26 | 23 | 20 | 17 | 15 |
| **JSWm 3BL** | **JSW 3BL** | 1.5 | 2 | | 51 | 48 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 37 | 35 | 33 | 30 | 27 | 24 | 22 |
| **——** | **JSW 3AL** | 2.2 | 3 | | 62 | 60 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 49 | 47 | 45 | 42 | 39 | 36.5 | 35 |

**Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS**

Curve tolerance according to ISO 2548.




## DIMENSIONS

| PUMP MODEL Single phase | PUMP MODEL Three phase | DN1 | DN2 | DIMENSIONS mm a | f | h | h1 | h2 | h3 | n | n1 | w | s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **JSWm 3C..** | **JSW 3C..** | **1¼"** | **1"** | 155 | 497 | 233 | 165 | 43 | 208 | 206 | 164 | 30 | 11 |
| **JSWm 3B..** | **——** | **1¼"** | **1"** | 155 | 517 | 233 | 165 | 43 | 208 | 206 | 164 | 30 | 11 |
| **——** | **JSW 3B..** | **1¼"** | **1"** | 155 | 497 | 233 | 165 | 43 | 208 | 206 | 164 | 30 | 11 |
| **——** | **JSW 3A..** | **1¼"** | **1"** | 155 | 517 | 233 | 165 | 43 | 208 | 206 | 164 | 30 | 11 |