

JSW2

self-priming "JET" pumps



JSWm 10



PERFORMANCE RANGE

Flow rate up to 80 l/min (4.8 m³/h)
Dynamic head up to 70 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

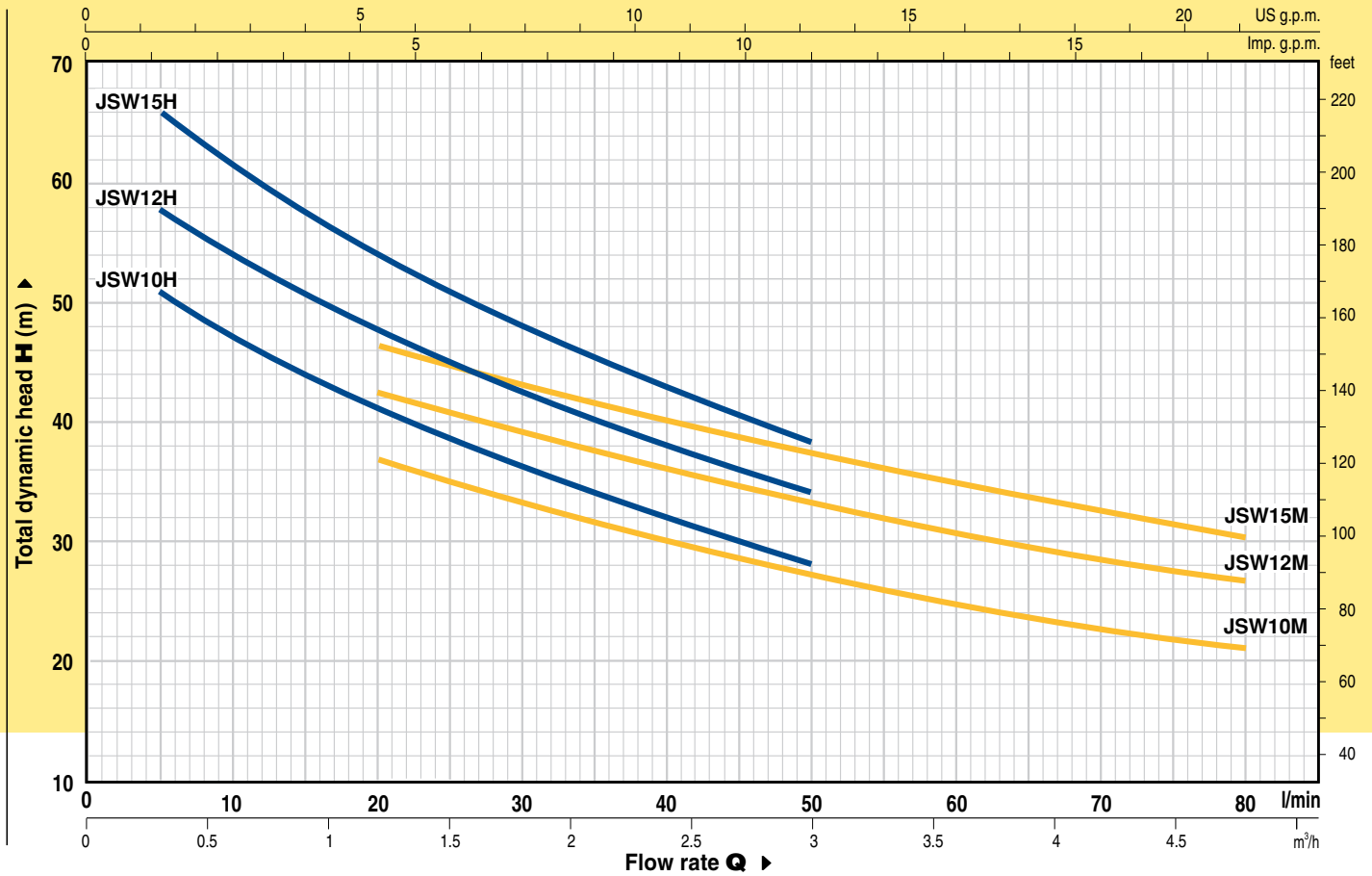
(according to our general sales conditions).

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 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 B (class F only 1.1 kW single phase).
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

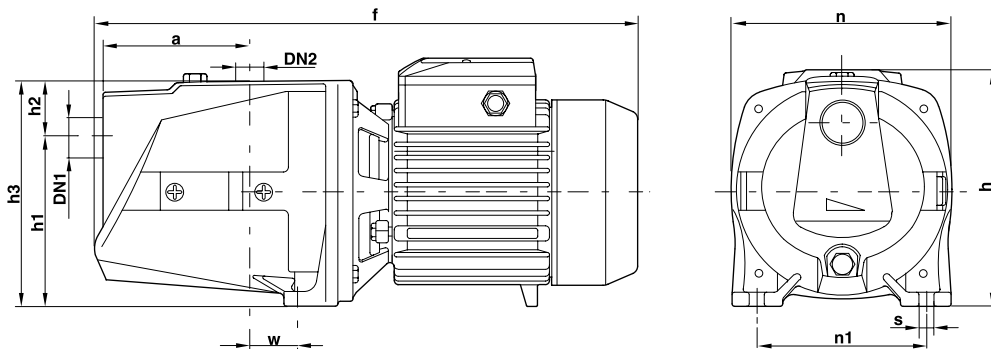


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h l/min	H															
Single phase	Three phase	kW	HP		(m)															
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2	4.8			
					0	5	10	15	20	25	30	40	45	50	60	70	80			
JSWm 10H	JSW 10H	0.75	1	H (m)	56	51	47	44	41	39	36	32	30	28						
JSWm 12H	JSW 12H	0.90	1.25		64	58	54	51	48	45	43	38	36	34						
JSWm 15H	JSW 15H	1.1	1.5		70	66	62	58	54	51	48	43	41	38						
JSWm 10M	JSW 10M	0.75	1		46	42	40	38	37	35	33	30	29	27	25	23	21			
JSWm 12M	JSW 12M	0.90	1.25		50	48	46	44	42	41	39	36	35	33	31	29	27			
JSWm 15M	JSW 15M	1.1	1.5		55	52	50	48	46	45	43	40	39	37	35	33	30			

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DN1	DN2	DIMENSIONS mm									w	s
Single phase	Three phase			a	f	h	h1	h2	h3	n	n1			
JSWm 10H	JSW 10H	1"	1"	113.5	402	201	147	35	182	180	142	22	10	
JSWm 12H	JSW 12H	1"	1"	113.5	402	201	147	35	182	180	142	22	10	
JSWm 15H	JSW 15H	1"	1"	113.5	402	201	147	35	182	180	142	22	10	
JSWm 10M	JSW 10M	1"	1"	113.5	402	201	147	35	182	180	142	22	10	
JSWm 12M	JSW 12M	1"	1"	113.5	402	201	147	35	182	180	142	22	10	
JSWm 15M	JSW 15M	1"	1"	113.5	402	201	147	35	182	180	142	22	10	