

SPRINT JET



Self-Priming Jet Pumps



Construction

Close-coupled self-priming pump with built-in ejector.

Due to their reliability and user-friendly nature, these pumps are vastly utilized for water distribution in domestic, fluid transfer, and irrigation applications. The pumps must be installed in an enclosed or sheltered environment to protect them from harsh weather conditions.

The pumps are equipped with high-efficiency hydraulic components, resulting in short self-priming duration and robust self-priming capability.

Additionally, the pumps feature overload protection and operate at a low level of noise.

Application

The pump is designed for clean water free of abrasive particles, and liquids that are chemically compatible with the materials used in the pump's construction.

Operating Conditions

Ambient Temperature : 0°C to +40°C

Liquid Temperature : 0°C to +40°C

pH value: 6.5-8.5.

Suction lift up to 9 m.

Continuous duty.

Motor

2 pole, Single Phase 240 V, 50Hz with a built in thermal overload protector.

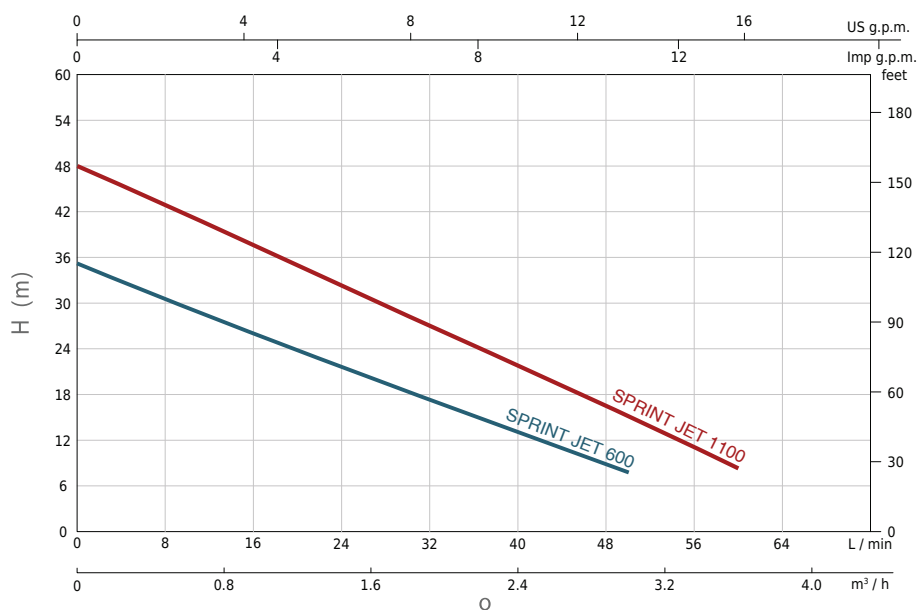
Insulation Class F.

Protection IP X4.

Materials

Component	Material
Pump casing	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Casing Cover	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Pump shaft	Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller	PPO-GF20 (Noryl)
Diffuser	PPO-GF20 (Noryl)
Ejector	PPO-GF20 (Noryl)
Mechanical seal	Ceramic/Graphite/NBR

Coverage chart $n \approx 2900$ rpm



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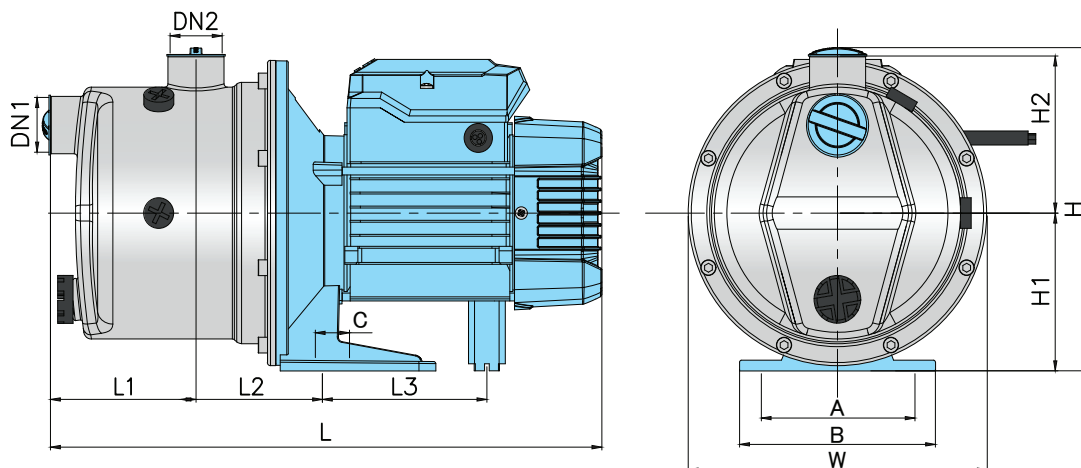


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Performance $n \approx 2900$ rpm

MODEL	1~ 240 V			Capacitor	Q	m³/h l/min	0	0,3	0,6	0,9	1,2	1,8	2,1	3	3,6
	A	kW	HP	µF			0	5	10	15	20	30	35	50	60
SPRINT JET 600	2,7	0,6	0,8	12	H (m)	35	30.3	27.8	25.4	23.1	18.8	17	8	-	
SPRINT JET 1100	5,1	1,1	1,5	20		48	43.1	40.2	37.2	35	30	27.2	15	9	

Dimensions and Weights



MODEL	ISO 228		mm											kg
	DN1	DN2	H1	H2	H	L	L1	L2	L3	W	A	B	C	
SPRINT JET 600	G 1	G 1	100,5	100	206	359	94,8	81,7	107,7	195	95	127,5	21	7
SPRINT JET 1100	G 1	G 1	100,5	102	208	405	113	92	118	195	95	127,5	21	10.3

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MODEL: SPRINT JET 600

Technical:

Maximum Flow Rate: 3.0 m³/h
Maximum Head: 35 m

Installation:

Connection Type: Threaded
Max. Permissible Pressure: 8 bar
Size of Suction Port: G 1
Size of Outlet Port: G 1

Environment:

Ambient Temperature: 40°C

Electrical Data:

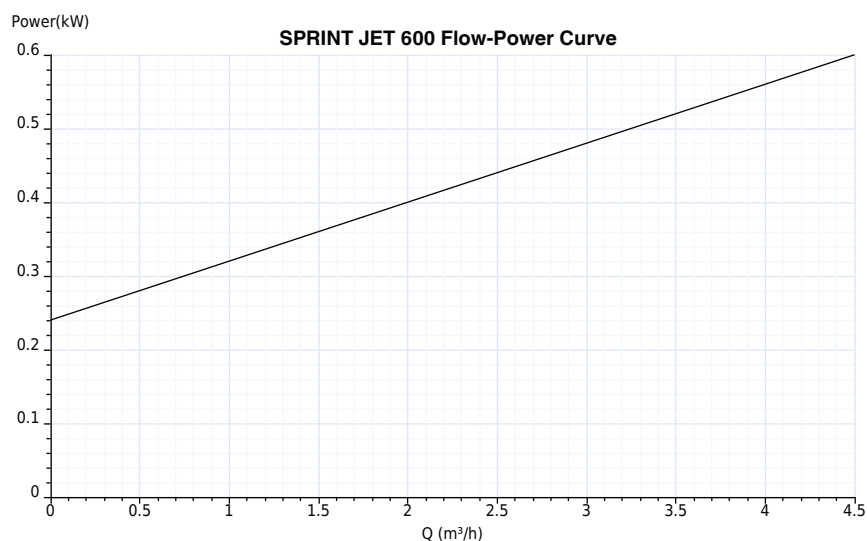
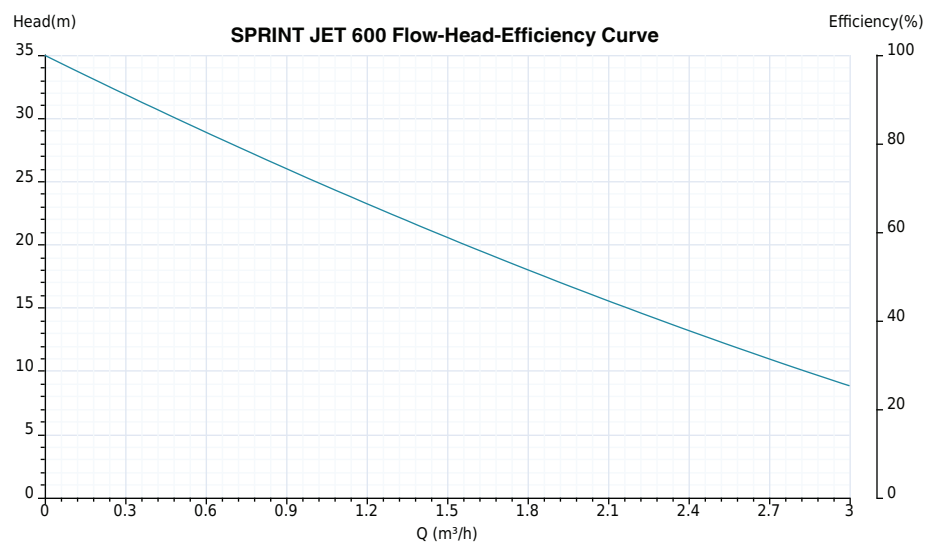
Motor: 1 Phase
Protection Level: IPX4
Insulation Level: F
Motor Power: 0.6 kW
Speed: 2900 rpm
Power Frequency: 50 Hz
Rated Voltage: 240 V

Liquid:

Pumped Liquid: Clean Water
Ambient Temperature : 0°C to +40°C
Liquid Temperature : 0°C to +40°C

Other:

Weight: 7 Kg



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Self-Priming Jet Pumps

MODEL: SPRINT JET 1100

Technical:

Maximum Flow Rate: 3.6 m³/h
Maximum Head: 48 m

Installation:

Connection Type: Threaded
Max. Permissible Pressure: 8 bar
Size of Suction Port: G 1
Size of Outlet Port: G 1

Environment:

Ambient Temperature: 40°C

Electrical Data:

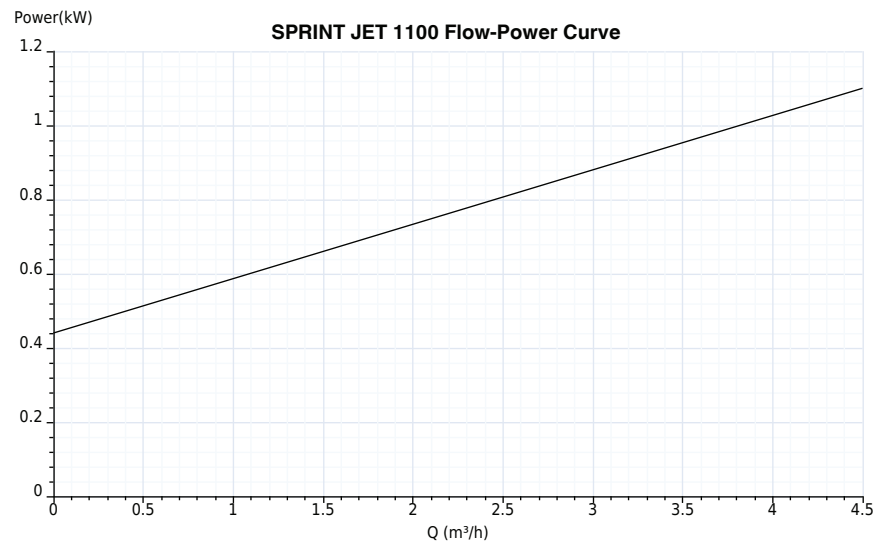
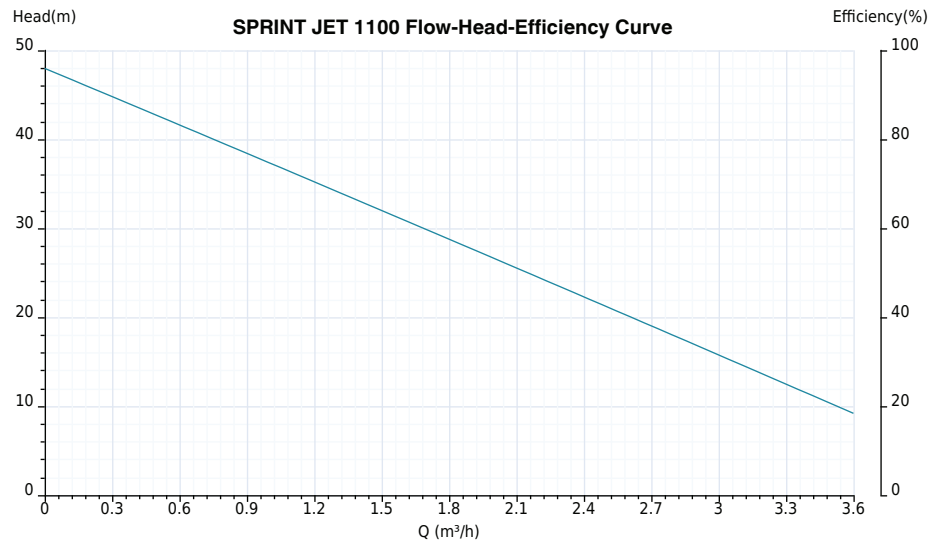
Motor: 1 Phase
Protection Level: IPX4
Insulation Level: F
Motor Power: 1.1 kW
Speed: 2900 rpm
Power Frequency: 50 Hz
Rated Voltage: 240 V

Liquid:

Pumped Liquid: Clean Water
Ambient Temperature : 0°C to +40°C
Liquid Temperature : 0°C to +40°C

Other:

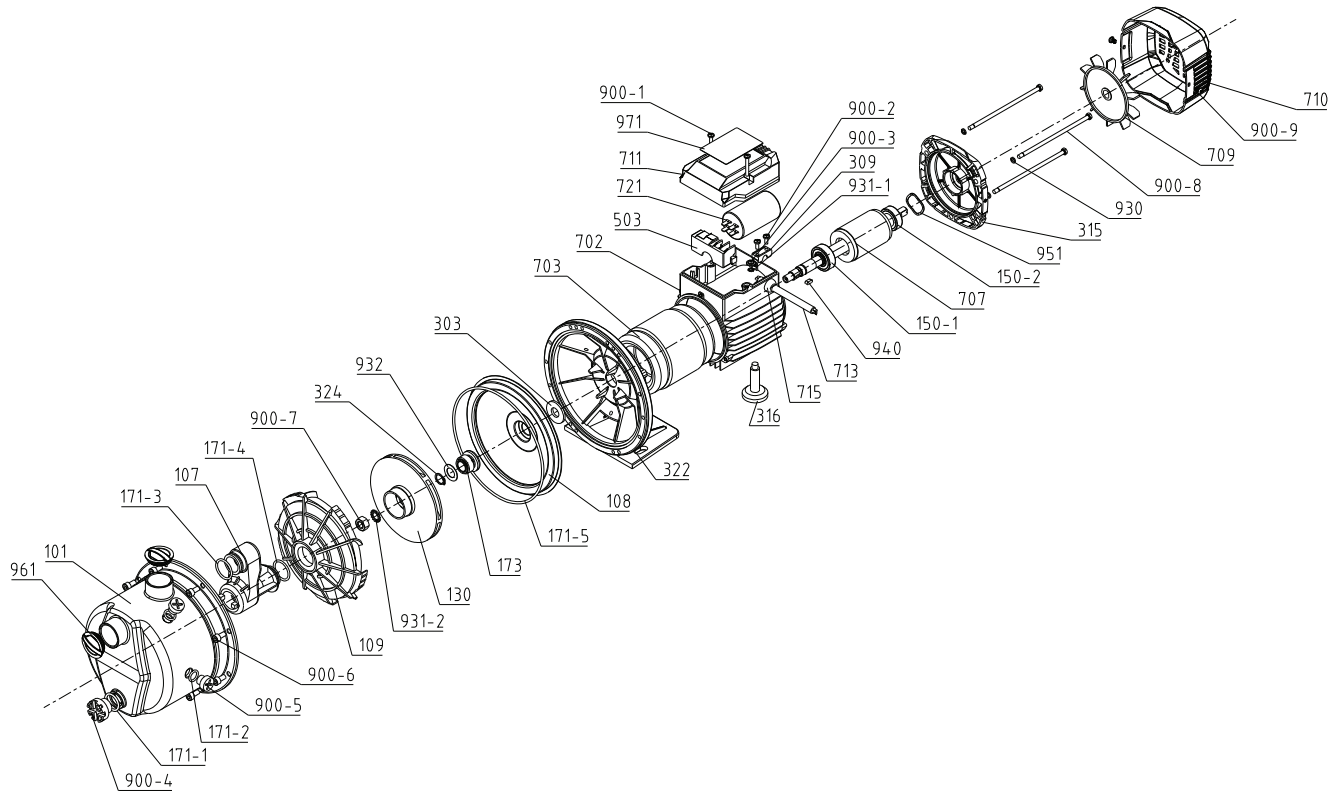
Weight: 10.3 Kg



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Position Number	Position Description	Qty Per Pump	Position Number	Position Description	Qty Per Pump	Position Number	Position Description	Qty Per Pump
101	Pump Body	1	316	Foot	1	900-4	Vent Cock	1
107	Ejector	1	322	Coupling	1	900-5	Vent Cock	2
108	Pump Cover	1	324	Circlip	1	900-6	Hexagon Socket Head Cap Screws	8
109	Guide Vane	1	503	Terminal Block	1	900-7	Lock Nut	1
130	Impeller	1	702	Barrel	1	900-8	Hexagon Headed Bolts	3
150-1	Bearing	1	703	Stator Core with Winding	1	900-9	Crossed Recessed Pan Head Screw with Washer	2
150-2	Bearing	1	707	Cast Aluminum Rotor	1	930	Spring Washer	3
171-1	O-Ring	1	709	Fan	1	931-1	External Tooth Lock Washer	1
171-2	O-Ring	2	710	Fan Cover	1	931-2	External Tooth Lock Washer	1
171-3	O-Ring	1	711	Terminal Box	1	932	Flat Washer	1
171-4	O-Ring	1	713	Cable	1	940	Key	1
171-5	O-Ring	1	715	Cable Sheath	1	951	Wave Washer	1
173	Mechanical Seal	1	721	Run Capacitor	1	961	Protective Cover	2
303	Water Retaining Ring	1	900-1	Philips Pan Head Screw	2	971	Nameplate	1
309	Cable Pressing Plate	1	900-2	Philips Pan Head Screw	2			
315	End Cover	1	900-3	Crossed Recessed Pan Head Screw with Washer	1			