



TARDIS
ENVIRONMENTAL UK

PLURIJET 60-80-100

Self-priming multi-stage pumps



PERFORMANCE RANGE

- Flow rate up to 130 l/min (7.8m³/h)
- Head up to 52m

APPLICATION LIMITS

- Manometric suction lift up to 9m (HS)
- Liquid temperature between -10°C and +40°C
- Ambient temperature up to +40°C
- Max. working pressure 6 bar
- Continuous service S1

INSTALLATION AND USE

The self-priming PLURIJET pumps are recommended for pumping clean water even in cases where air is present and for liquids which are not chemically aggressive towards the materials from which the pump is made.

Because of their silence, reliability and low energy consumption they are recommended for domestic and civil applications, in particular for pressurising and distributing water in combination with pressure tanks, for the recovery of rain water, for irrigation systems etc.

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1	EN 60034-1
IEC 60335-1	IEC 60034-1
CEI 61-150	CEI 2-3

Nationwide Service Telephone 0800 731 0589

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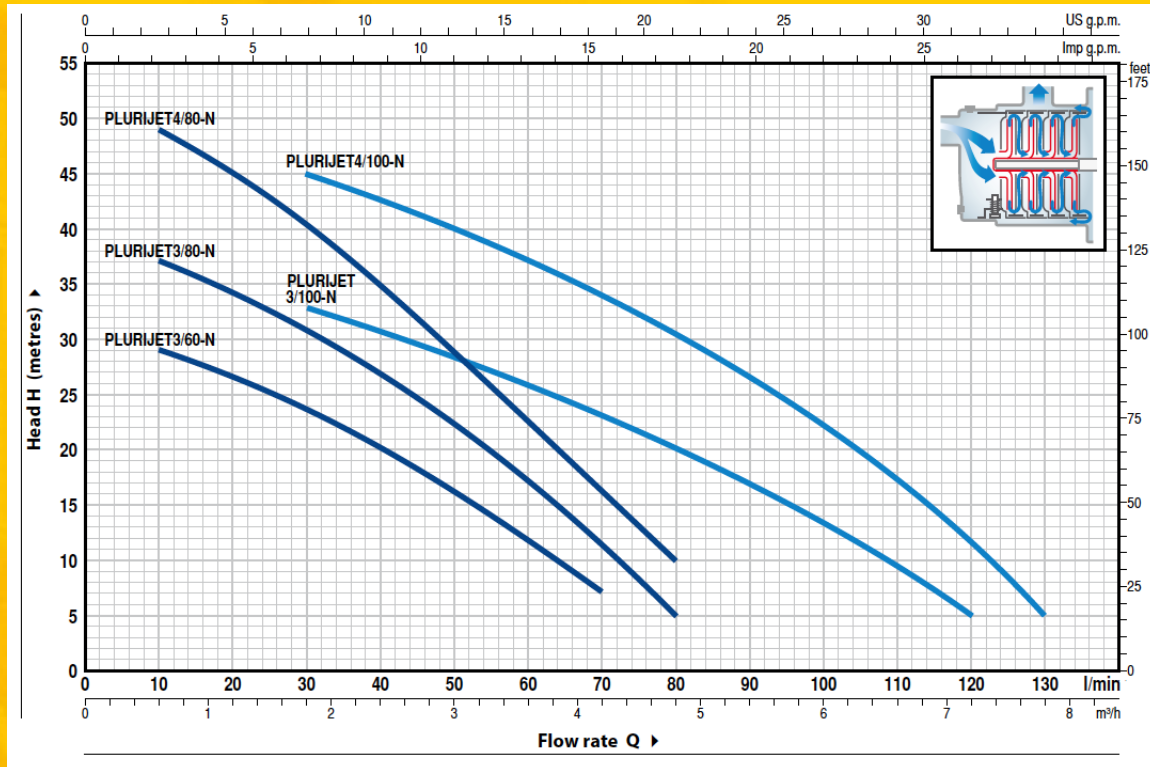


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CHARACTERISTIC CURVES AND PERFORMANCE DATA

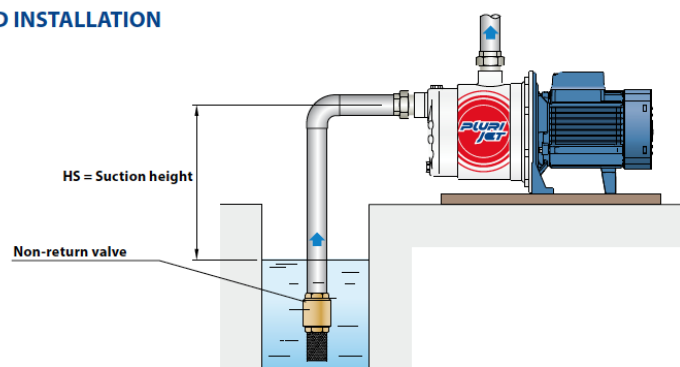


MODEL		POWER (P ₂)		Q																
Single-phase	Three-phase	kW	HP		m ³ /h	0	0.3	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
					l/min	0	5	10	20	30	40	50	60	70	80	90	100	110	120	130
PLURIJETm 3/60 -N	PLURIJET 3/60 -N	0.37	0.50	H metres		31	30	29	26.5	23.5	20	16	11.5	7						
PLURIJETm 3/80 -N	PLURIJET 3/80 -N	0.48	0.65			40	38	37	34.5	31	27	22.5	17	11	5					
PLURIJETm 4/80 -N	PLURIJET 4/80 -N	0.55	0.75			52	50	49	44.5	40	34	28.5	22.5	16	10					
PLURIJETm 3/100-N	PLURIJET 3/100-N	0.55	0.75			38	37	36	34.5	33	31	28	26	23	20	17	13.5	10	5	
PLURIJETm 4/100-N	PLURIJET 4/100-N	0.75	1			50	50	49	47	45	42	39.5	37	34	30.5	26.5	22	17	11	5

Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

STANDARD INSTALLATION



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COMPONENT

CONSTRUCTION CHARACTERISTICS

PUMP BODY	Stainless steel AISI 304 complete with threaded ports in compliance with ISO 228/1		
BODY BACKPLATE	Stainless steel AISI 304		
IMPELLERS	Noryl FE1520PW		
DIFFUSERS	Noryl complete with anti-wear ring		
MOTOR SHAFT	Stainless steel EN 10088-3- 1.4104		
MECHANICAL SEAL	Seal Model AR -13 Shaft Diameter 13mm		
BEARINGS	<i>Pump</i>	<i>Model</i>	
	PLURIJET 3/60, 3/80, 3/100, 4/80-N	6202 ZZ-C3 / 6201 ZZ	
	PLURIJET 4/100-N	6203 ZZ / 6203 ZZ	
CAPACITOR	<i>Pump</i>	<i>Capacitance</i>	
	Single-phase	(230V or 240V)	(110V)
	PLURIJET 3/60-N	10 µF- 450 VL	25µF- 250 VL
	PLURIJET 3/80-N	12.5 µF- 450 VL	25µF- 250 VL
	PLURIJET 4/80, 3/100-N	14 µF- 450 VL	25µF- 250 VL
	PLURIJET 4/100-N	20 µF- 450 VL	60µF- 300 VL
ELECTRIC MOTOR	PLURIJETm: single-phase 230V—50 Hz with thermal overload protector incorporated into the winding.		
	PLURIJET: three-phase 230/400V—50Hz		
	The three-phase pumps are fitted with high performance motors in class IE2 (IEC 60034-30)		
	<ul style="list-style-type: none"> Insulation: class F Protection: IP X4 		

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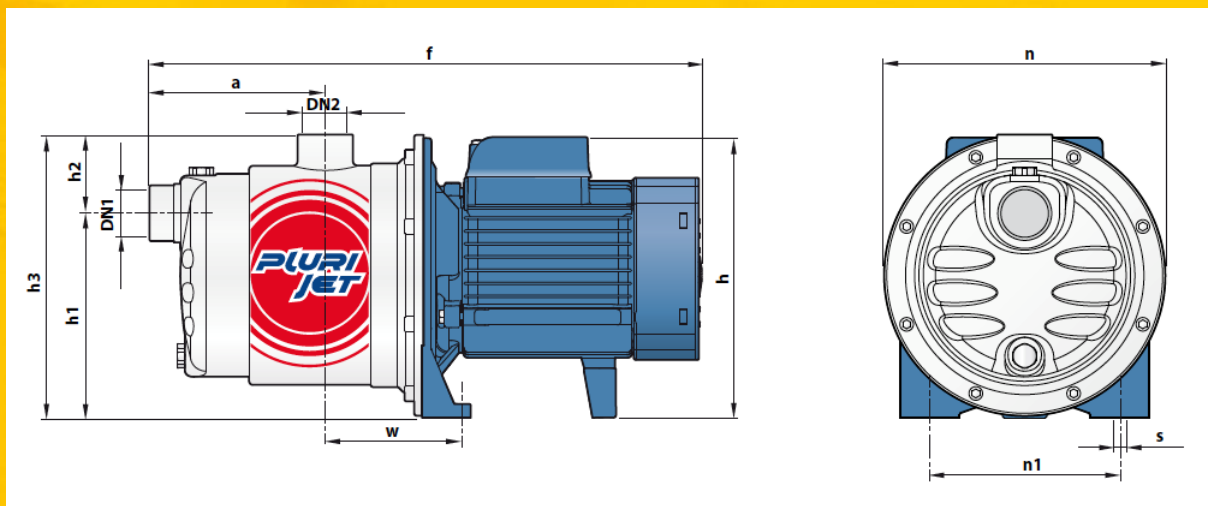


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DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s	1~	3~
PLURIJETm 3/60 -N	PLURIJET 3/60 -N	1"	1"	113	361	182	132	51	183	182	120	87	9	6.5	6.5
PLURIJETm 3/80 -N	PLURIJET 3/80 -N			138	386									7.3	7.2
PLURIJETm 4/80 -N	PLURIJET 4/80 -N													8.6	7.8
PLURIJETm 3/100 -N	PLURIJET 3/100 -N			113	361									7.9	7.1
PLURIJETm 4/100 -N	PLURIJET 4/100 -N			138	411	202							10	10.6	10.6

ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
PLURIJETm 3/60 -N	2.4 A	2.3 A	4.8 A
PLURIJETm 3/80 -N	3.3 A	3.1 A	6.6 A
PLURIJETm 4/80 -N	4.1 A	4.0 A	8.2 A
PLURIJETm 3/100 -N	4.1 A	4.0 A	8.2 A
PLURIJETm 4/100 -N	6.0 A	5.8 A	12.0 A

MODEL	VOLTAGE					
	230 V	400 V	690 V	240 V	415 V	720 V
PLURIJET 3/60 -N	1.7 A	1.0 A	0.6 A	1.6 A	0.9 A	0.5 A
PLURIJET 3/80 -N	2.5 A	1.5 A	0.9 A	2.4 A	1.4 A	0.8 A
PLURIJET 4/80 -N	3.4 A	2.0 A	1.2 A	3.3 A	1.9 A	1.1 A
PLURIJET 3/100 -N	3.4 A	2.0 A	1.2 A	3.3 A	1.9 A	1.1 A
PLURIJET 4/100 -N	4.5 A	2.6 A	1.5 A	4.3 A	2.5 A	1.4 A

PALLETIZATION

MODEL		GROUPAGE	CONTAINER
Single-phase	Three-phase	n. pumps	n. pumps
PLURIJETm 3/60 -N	PLURIJET 3/60 -N	84	120
PLURIJETm 3/80 -N	PLURIJET 3/80 -N	84	120
PLURIJETm 4/80 -N	PLURIJET 4/80 -N	72	96
PLURIJETm 3/100 -N	PLURIJET 3/100 -N	84	120
PLURIJETm 4/100 -N	PLURIJET 4/100 -N	72	96

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