PLURIJET 80-100

Self-priming multi-stage pumps

PERFORMANCE RANGE

- Flow rate up to **130 l/min** (7.8 m^3/h)
- Head up to **50 m**

APPLICATION LIMITS

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

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3

CE

CERTIFICATIONS

АИ30

INSTALLATION AND USE

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming "PLURIJET" pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- PLURIJET® is a registered trade mark n° 3974301
- Registered Community Design n° 342159-0006

OPTIONALS AVAILABLE ON REQUEST

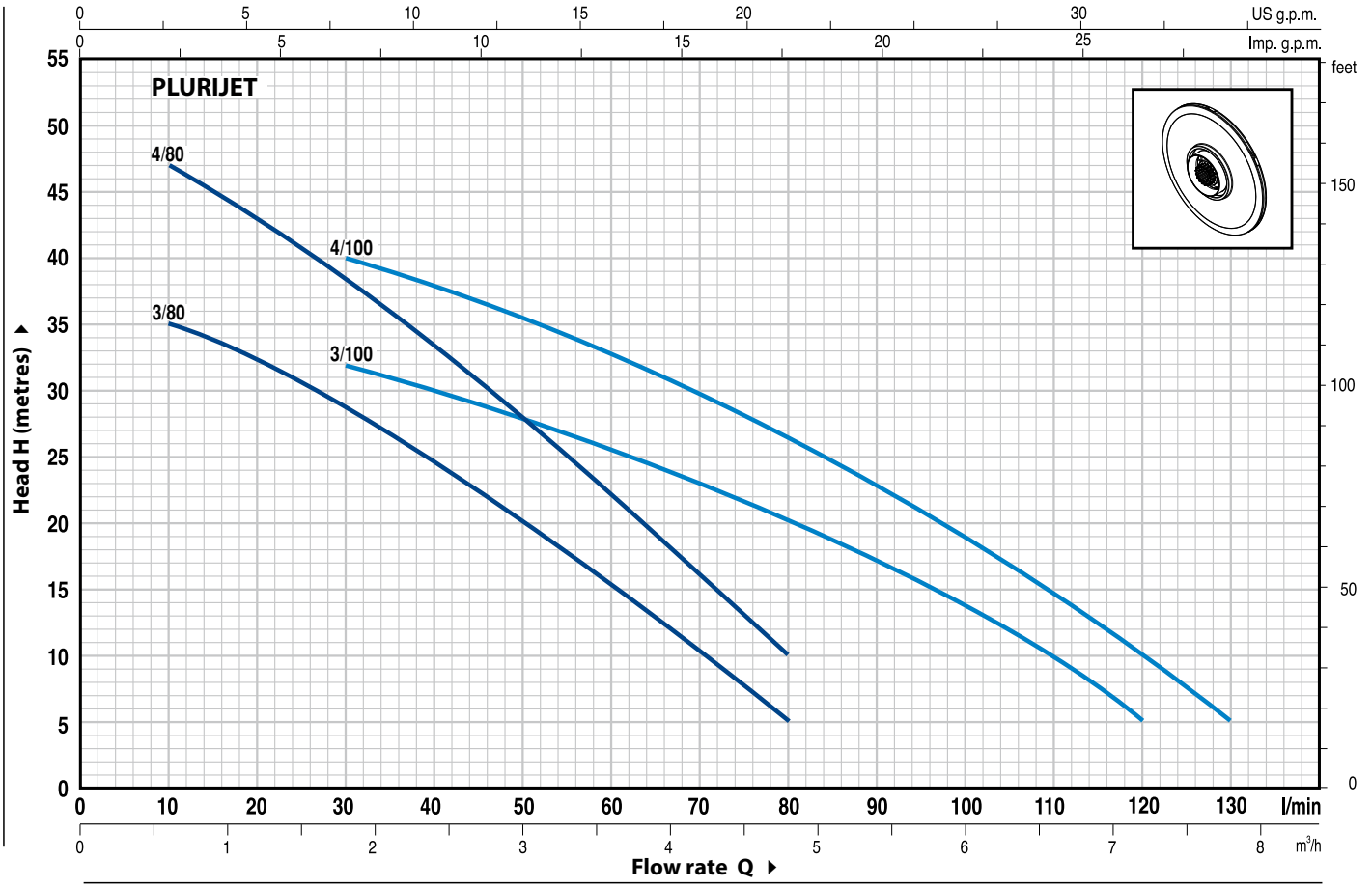
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz **n= 2900 1/min** HS= 0 m

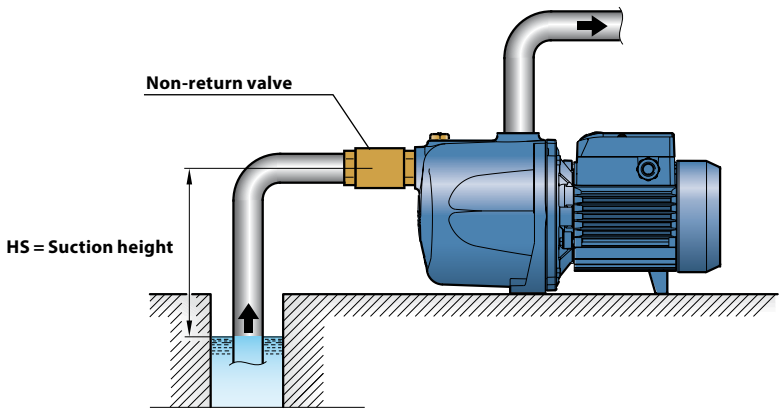


MODEL		POWER		Q	m³/h	0	0.3	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	6.0	7.2	7.8
Single-phase	Three-phase	kW	HP		l/min	**0**	**5**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**100**	**120**	**130**
PLURIJETm 3/80	–	0.45	0.60	H	metres	38	36	35	32.5	29	25	20	15.5	10.5	5			
PLURIJETm 4/80	**PLURIJET 4/80**	0.60	0.85			50	48	47	43	38.5	32.5	28	22.5	16	10			
PLURIJETm 3/100	**PLURIJET 3/100**	0.60	0.85			36	35.5	35	33.5	32	30	28	26	23	20	13.5	5	
PLURIJETm 4/100	**PLURIJET 4/100**	0.75	1			46	45	44	42	40	38	35.5	33	30	26.5	19	10	5

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

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

INSTALLATION EXAMPLE



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1
2	BODY BACKPLATE	Stainless steel AISI 304
3	IMPELLERS	Noryl GFN2V
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104

5 MECHANICAL SEAL

Seal	*Shaft*	*Materials*		
Model	*Diameter*	*Stationary ring*	*Rotational ring*	*Elastomer*
AR-13	**Ø 13** mm	Ceramic	Graphite	NBR

6 BEARINGS

Pump	*Model*
PLURIJET 3/80 **PLURIJET 3/100** **PLURIJET 4/80**	**6202 ZZ - C3 / 6201 ZZ**
PLURIJET 4/100	**6203 ZZ / 6203 ZZ**

7 CAPACITOR

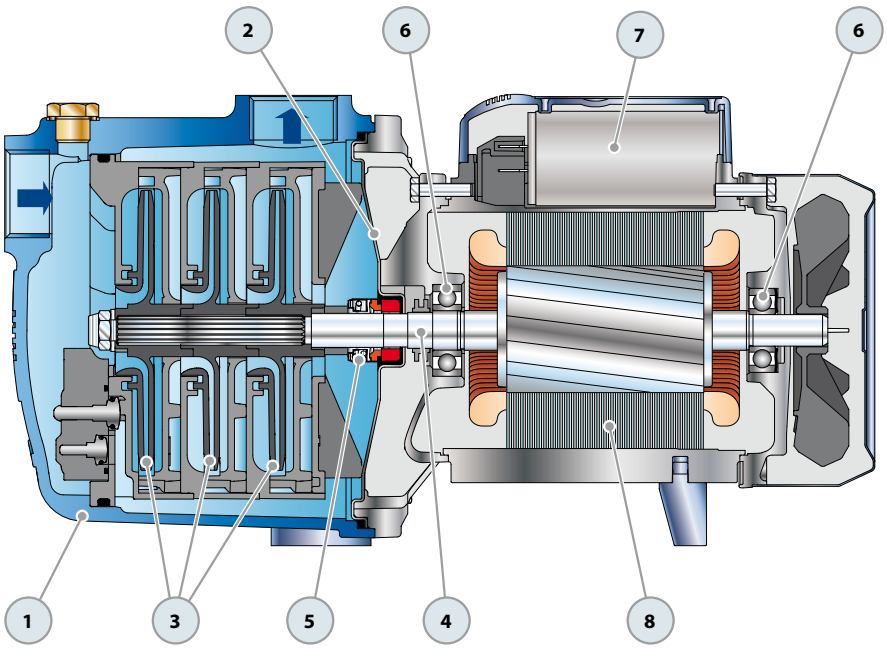
Pump	*Capacitance*	
Single-phase	*(230 V or 240 V)*	*(110 V)*
PLURIJETm 3/80	**12.5** µF 450 VL	**25** µF 250 VL
PLURIJETm 4/80 **PLURIJETm 3/100**	**14** µF 450 VL	**25** µF 250 VL
PLURIJETm 4/100	**20** µF 450 VL	**60** µF 300 VL

8 ELECTRIC MOTOR

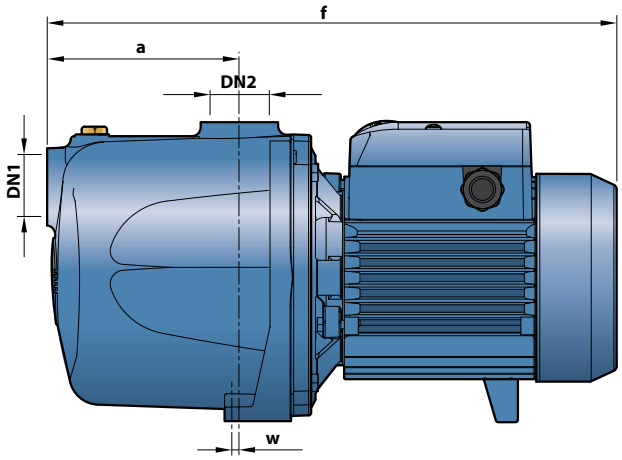
PLURIJETm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.
PLURIJET: three-phase 230/400 V - 50 Hz.

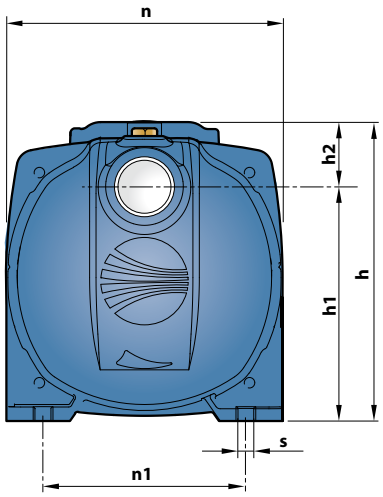
➠ **Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance**

– Insulation: F class.
– Protection: IP X4.



DIMENSIONS AND WEIGHT





MODEL		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~
PLURIJETm 3/80	–	1"	1"	110	334	172	134	38	158	116	2	9	**10.0**	–
PLURIJETm 4/80	PLURIJET 4/80			135	357								**11.3**	**10.7**
PLURIJETm 3/100	PLURIJET 3/100			110	334								**10.5**	**10.0**
PLURIJETm 4/100	PLURIJET 4/100			135	378	191		61					**13.7**	**12.7**

ABSORPTION

MODEL	VOLTAGE (single-phase)		
Single-phase	230 V	240 V	110 V
PLURIJETm 3/80	**3.4** A	**3.3** A	**6.8** A
PLURIJETm 4/80	**4.3** A	**4.2** A	**8.6** A
PLURIJETm 3/100	**4.1** A	**4.0** A	**8.2** A
PLURIJETm 4/100	**6.0** A	**5.8** A	**12.0** A

MODEL	VOLTAGE (three-phase)					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
PLURIJET 4/80	**3.4** A	**2.0** A	**1.1** A	**3.3** A	**1.9** A	**1.1** A
PLURIJET 3/100	**3.1** A	**1.8** A	**1.0** A	**3.0** A	**1.7** A	**1.0** A
PLURIJET 4/100	**4.5** A	**2.6** A	**1.5** A	**4.3** A	**2.5** A	**1.4** A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
		n°	H	kg		n°	H	kg	
Single-phase	Three-phase	pumps	(mm)	1~	3~	pumps	(mm)	1~	3~
PLURIJETm 3/80	–	**98**	1440	980	–	**154**	2180	1560	–
PLURIJETm 4/80	PLURIJET 4/80	**98**	1440	1130	1070	**154**	2180	1760	1670
PLURIJETm 3/100	PLURIJET 3/100	**98**	1440	1050	1000	**154**	2180	1640	1560
PLURIJETm 4/100	PLURIJET 4/100	**98**	1540	1360	1260	**140**	2140	1940	1800