

PLURIJET 90-130-200

Self-priming multi-stage pumps



IMPELLERS

Stainless steel AISI 304



Clean water



Domestic use



Civil use



PERFORMANCE RANGE

- Flow rate up to **200 l/min** (12 m³/h)
- Head up to **97 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 **10 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



CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY



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.

The pump should be installed in an enclosed environment or sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

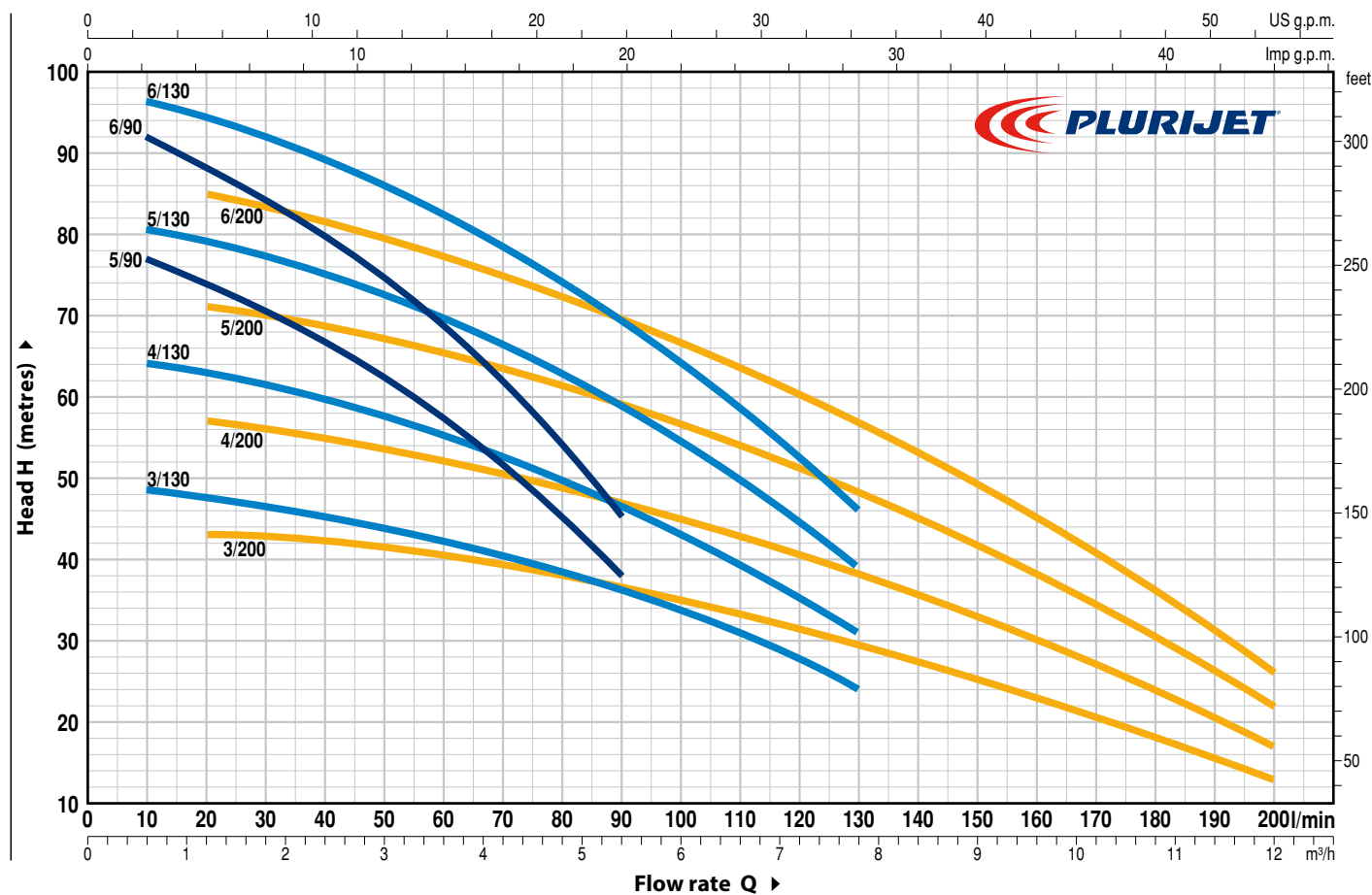
- Registered Trade Mark n. 3974301 PLURIJET®
- Patent Pending n. PCT/IB2014/063126

OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency
- IPX5 class protection

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min⁻¹ HS= 0 m



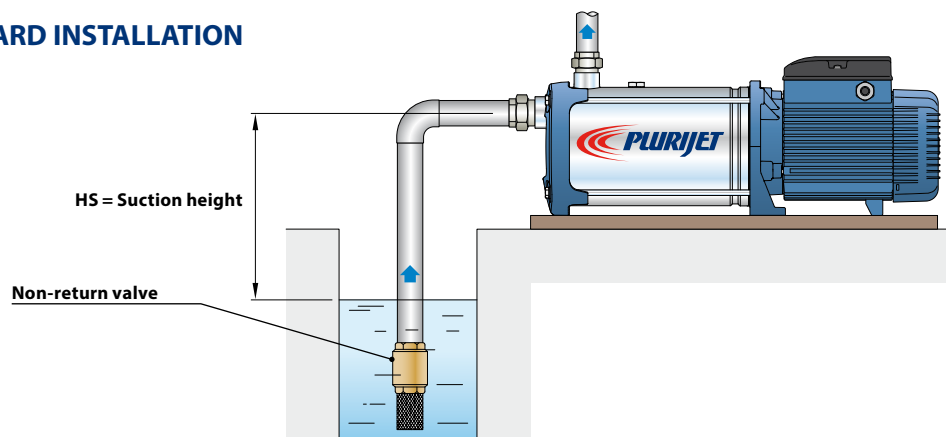
MODEL		POWER (P ₂)			Q	m³/h															
Single-phase	Three-phase	kW	HP	▲		l/min	0	0.3	0.6	1.2	2.4	3.6	5.4	6.0	7.8	8.4	9.6	10.8	12.0		
PLURIJETm 5/90	PLURIJET 5/90	1.1	1.5	IE3	H metres	80	78	77	74	67	57	38									
PLURIJETm 6/90	PLURIJET 6/90	1.5	2			96	94	92	88	80	69	45									
PLURIJETm 3/130	PLURIJET 3/130	1.1	1.5			49	49	48.5	47.5	45	42.5	36	33.5	24							
PLURIJETm 4/130	PLURIJET 4/130	1.5	2			65	65	64	63	60	56	46	43	31							
PLURIJETm 5/130	PLURIJET 5/130	1.8	2.5			81	81	80.5	79	75	70	59	54	39							
–	PLURIJET 6/130	2.2	3			97	97	96.5	94.5	90	83	69	64	46							
PLURIJETm 3/200	PLURIJET 3/200	1.1	1.5			44	43.5	43.5	43	42	40.5	37	35	29	27.5	23	18	13			
PLURIJETm 4/200	PLURIJET 4/200	1.5	2			58	57.5	57.5	57	55	52.5	47	45	38	35.5	30	24	17			
PLURIJETm 5/200	PLURIJET 5/200	1.8	2.5			73	72	71.5	71	69	65.5	59	56.5	48	44.5	38	30	22			
–	PLURIJET 6/200	2.2	3			87	86	85.5	85	82	78	69	67	57	53	45	36	26			

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

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

▲ Performance class of the three-phase motor (IEC 60034-30-1)

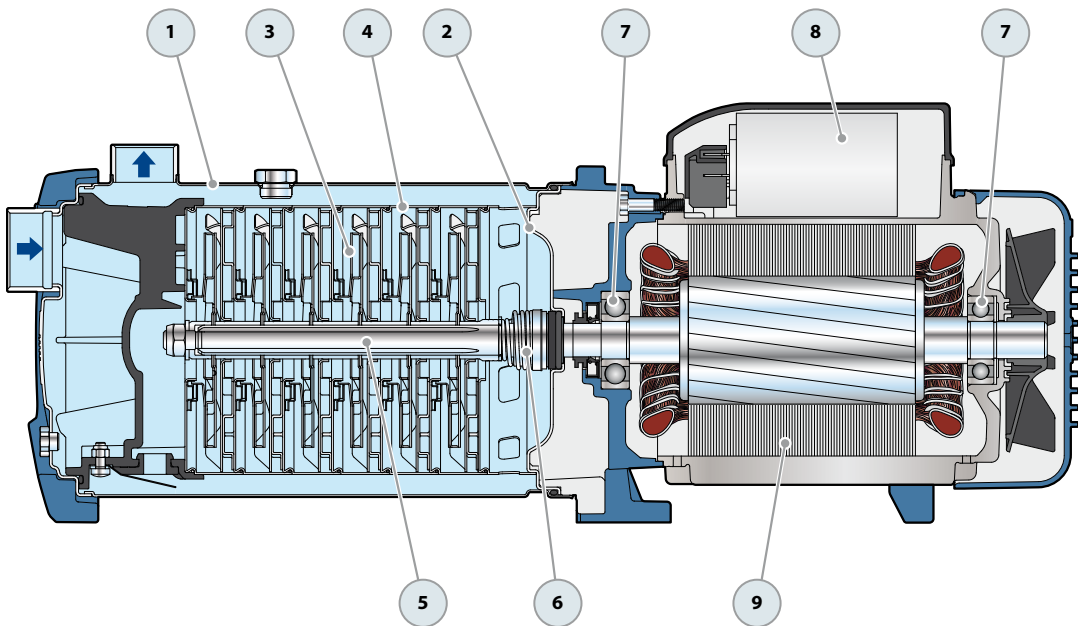
STANDARD INSTALLATION



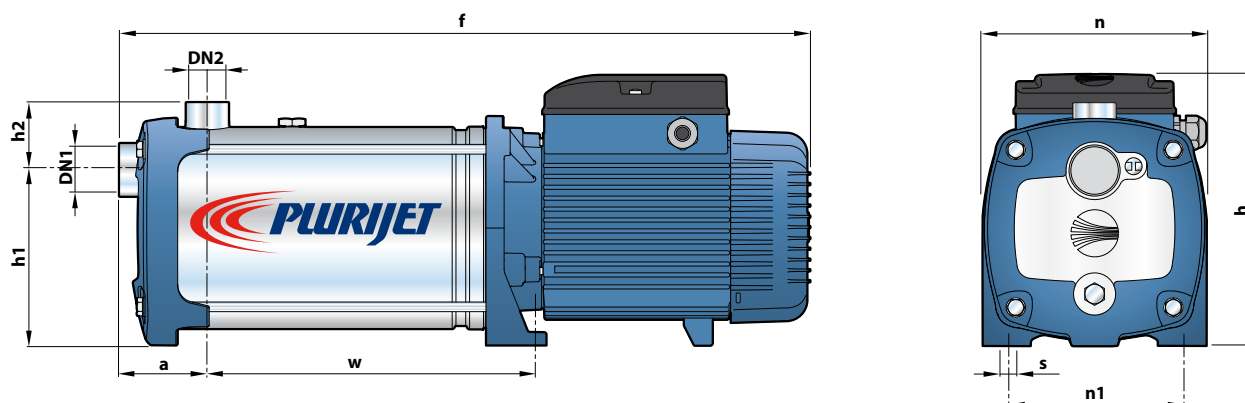
PLURIJET 90-130-200

POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	PUMP BODY	Stainless steel AISI 304 complete with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Stainless steel AISI 304				
3	IMPELLERS	Stainless steel AISI 304				
4	DIFFUSERS	Stainless steel AISI 304				
5	MOTOR SHAFT	Stainless steel AISI 431				
6	MECHANICAL SEAL	Seal	Shaft	Materials		
		Model	Diameter	Stationary ring	Rotational ring	Elastomer
		FN-18	Ø 18 mm	Graphite	Ceramic	NBR
7	BEARINGS	6304 2RS - C3 / 6204 ZZ - C3E				
8	CAPACITOR	Pump	Capacitance			
		Single-phase	(220-230 V or 240 V)			
		PLURIJETm 5/90	31.5 µF - 450 VL			
		PLURIJETm 3/130				
		PLURIJETm 3/200				
		PLURIJETm 6/90	45 µF - 450 VL			
		PLURIJETm 4/130				
		PLURIJETm 4/200				
PLURIJETm 5/130	50 µF - 450 VL					
PLURIJETm 5/200						
9	ELECTRIC MOTOR	PLURIJETm: single-phase 220-230 V - 50 Hz with thermal overload protector incorporated into the winding.				
		PLURIJET: three-phase 230/400 V - 50 Hz.				
		➡ The three-phase pumps are fitted with high performance motors in class IE3 (IEC 60034-30-1)				
		– Insulation: class F				
					– 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 5/90	PLURIJET 5/90	1 1/4"	1"	73	492	224	145	56	185	145	245	11	-	-
PLURIJETm 6/90	PLURIJET 6/90				518						271		-	-
PLURIJETm 3/130	PLURIJET 3/130				440						193		-	-
PLURIJETm 4/130	PLURIJET 4/130				466						219		-	-
PLURIJETm 5/130	PLURIJET 5/130				512						245		-	-
-	PLURIJET 6/130				538						271		-	-
PLURIJETm 3/200	PLURIJET 3/200				440						193		-	-
PLURIJETm 4/200	PLURIJET 4/200				466						219		-	-
PLURIJETm 5/200	PLURIJET 5/200				512						245		-	-
-	PLURIJET 6/200				538						271		-	-

ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	240 V	110 V
PLURIJETm 5/90	9.3 A	8.9 A	18.6 A
PLURIJETm 6/90	11.0 A	10.5 A	22.0 A
PLURIJETm 3/130	8.5 A	8.1 A	17.0 A
PLURIJETm 4/130	10.3 A	9.9 A	20.6 A
PLURIJETm 5/130	12.5 A	12.0 A	25.0 A
PLURIJETm 3/200	8.7 A	8.3 A	17.4 A
PLURIJETm 4/200	10.5 A	10.1 A	21.0 A
PLURIJETm 5/200	12.5 A	12.0 A	25.0 A

MODEL	VOLTAGE					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
PLURIJET 5/90	6.1 A	3.5 A	2.0 A	5.9 A	3.4 A	1.9 A
PLURIJET 6/90	7.3 A	4.2 A	2.4 A	6.9 A	4.0 A	2.3 A
PLURIJET 3/130	5.6 A	3.2 A	1.8 A	5.4 A	3.1 A	1.8 A
PLURIJET 4/130	6.9 A	4.0 A	2.3 A	6.6 A	3.8 A	2.2 A
PLURIJET 5/130	9.0 A	5.2 A	3.0 A	8.6 A	5.0 A	2.9 A
PLURIJET 6/130	9.9 A	5.7 A	3.3 A	9.5 A	5.5 A	3.2 A
PLURIJET 3/200	5.9 A	3.4 A	2.0 A	5.7 A	3.3 A	1.9 A
PLURIJET 4/200	7.3 A	4.2 A	2.4 A	6.9 A	4.0 A	2.3 A
PLURIJET 5/200	9.4 A	5.4 A	3.1 A	9.0 A	5.2 A	3.0 A
PLURIJET 6/200	10.2 A	5.9 A	3.4 A	9.8 A	5.7 A	3.3 A