



GENERAL CATALOGUE

 **PEDROLLO**[®]
... the spring of life



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PERFORMANCE RANGE

The working pressure can be set at four different values: 1.5 / 2.5 / 3.0 / 3.3 bar.

Pressure selected	Flow rate available
3.3 bar	0 ÷ 45 l/min
3.0 bar	0 ÷ 50 l/min
2.5 bar	0 ÷ 60 l/min
1.5 bar	0 ÷ 75 l/min

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

Complete with **1.5 m** long power cable

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

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



CERTIFICATIONS



AN30

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.

Under normal working conditions a pump may be required to supply water at various flow rates which also results in variations in the pressure. The MULTISPEED pump automatically varies the rotational speed of the motor according to the required flow rate thereby giving constant pressure and low energy consumption. As a result, the annoying sudden change in pressure that normally occurs when extra taps are opened is eliminated and energy consumption may be reduced by up to 25%. Variable speed operation also reduces the level of noise and the vibration produced by the pump when compared with traditional solutions. The unit also incorporates built in protection that stops the pump if its water supply runs dry.

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

PATENTS - TRADE MARKS - MODELS

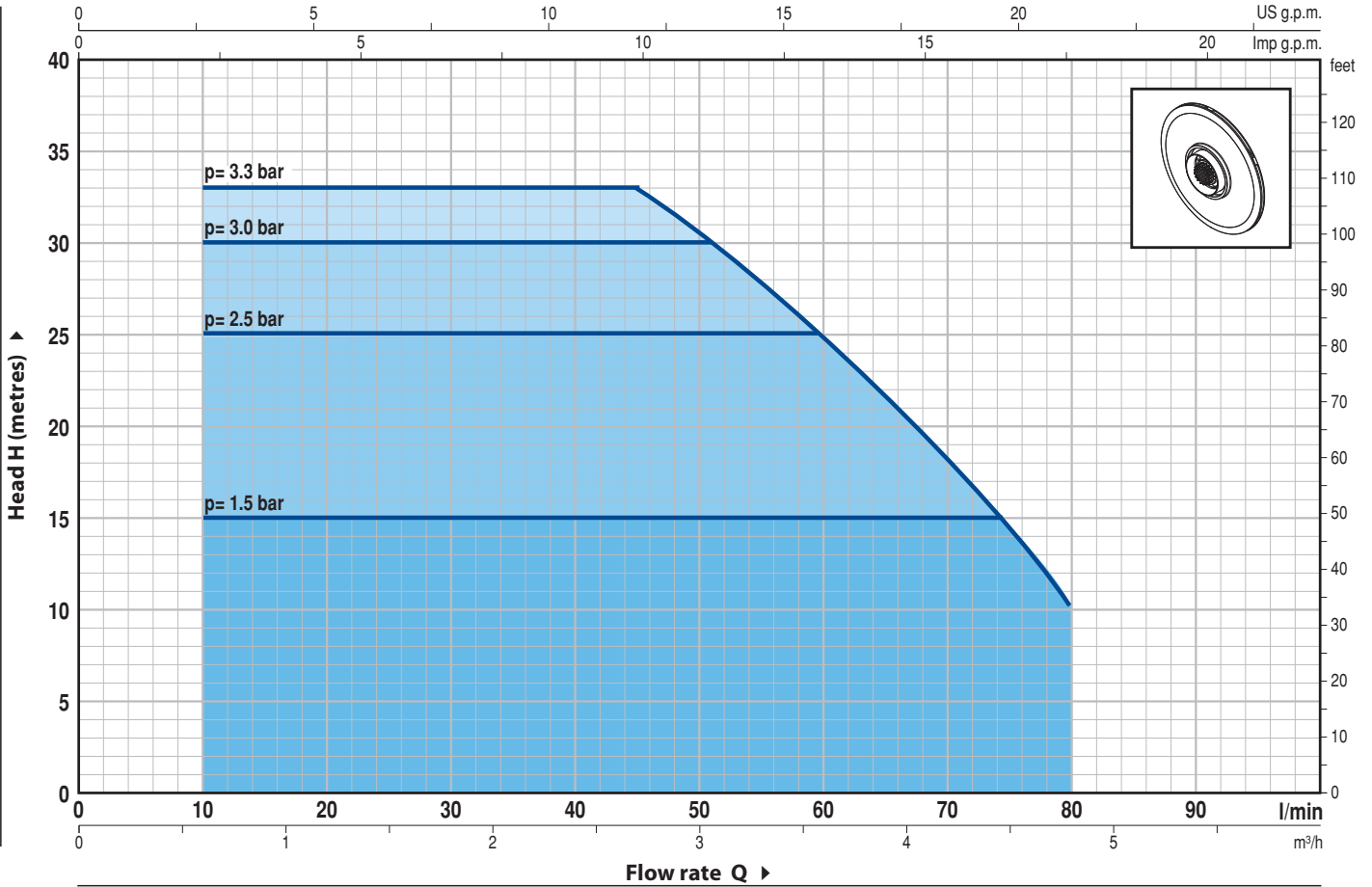
- MULTISPEED® is a registered trade mark.

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50/60 Hz HS= 0 m

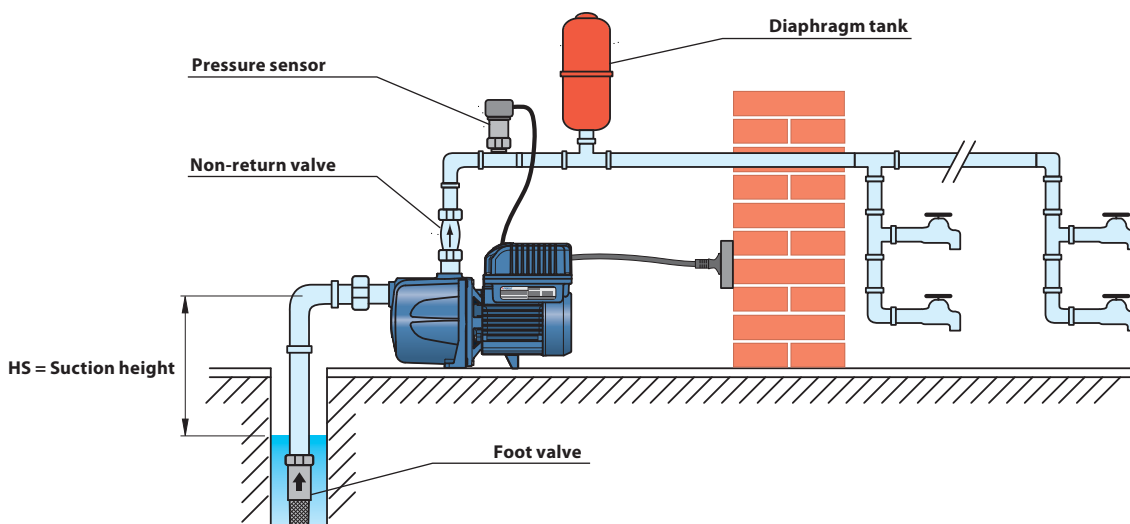


MODEL	POWER		p	Q	Flow rate							
	kW	HP			Setting Pressure	m³/h	0	0.6	2.7	3.0	3.6	4.5
Single-phase					0	10	45	50	60	75	80	
MULTISPEED 3/80	0.45	0.60	1.5 bar	H metres	15	15	15	15	15	15	15	10
			2.5 bar		25	25	25	25	25	15	10	
			3.0 bar		30	30	30	30	25	15	10	
			3.3 bar		33	33	33	30	25	15	10	

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

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

INSTALLATION EXAMPLE

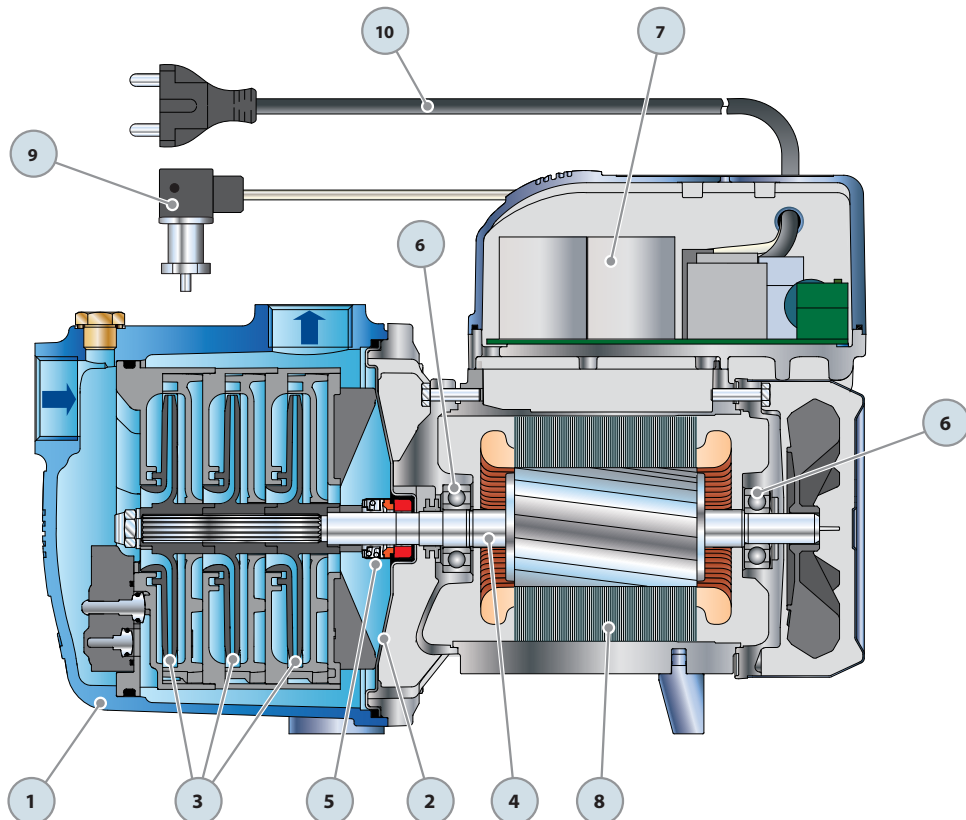


POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Stainless steel AISI 304				
3	IMPELLERS	Noryl GFN2V				
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
5	MECHANICAL SEAL	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>		
		<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		AR-13	Ø 13 mm	Ceramic	Graphite	NBR
6	BEARINGS	6202 ZZ - C3 / 6201 ZZ				
7	INVERTER					
8	ELECTRIC MOTOR	MULTISPEED: single-phase 230 V - 50/60 Hz. - Insulation: F class. - Protection: IP 44.				
9	PRESSURE SENSOR	Complete with 1.5 metre long cable				
10	POWER CABLE	1.5 metre long "H07 RN-F" cable with Schuko plug				

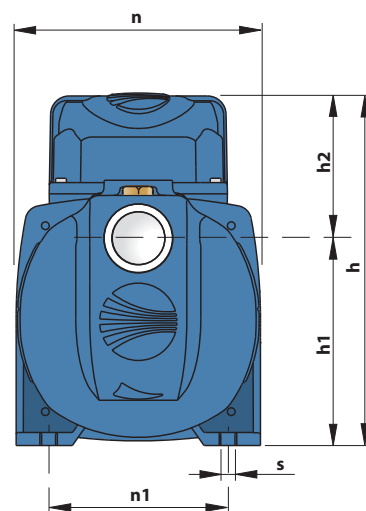
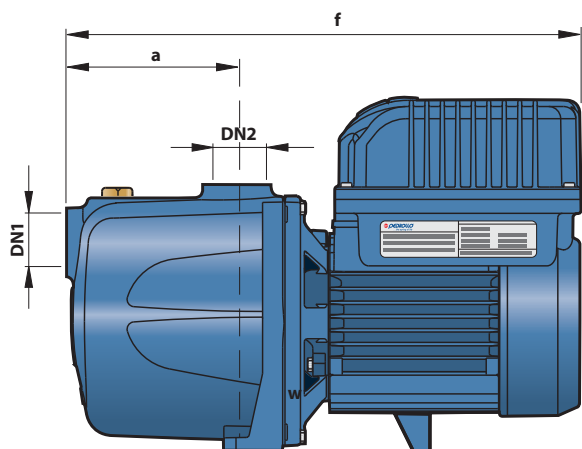
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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲



DIMENSIONS AND WEIGHT



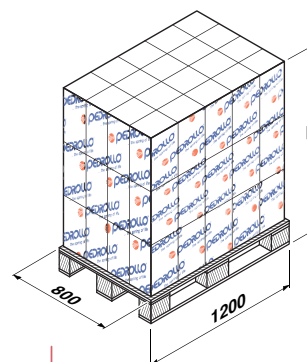
MODEL	PORTS		DIMENSIONS mm									kg	
	DN1	DN2	a	f	h	h1	h2	n	n1	w	s		
Single-phase													1~
MULTISPEED 3/80	1"	1"	110	339	225	134	91	158	116	2	9		12.3

ABSORPTION

MODEL	VOLTAGE (single-phase)
Single-phase	230 V
MULTISPEED 3/80	7.0 A

PALLETIZATION

MODEL	GROUPAGE / CONTAINER		
	n° pumps	H (mm)	kg
Single-phase			1~
MULTISPEED 3/80	48	1180	610



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