TARDIS ENVIRONMENTAL UK

50 CRm 80 Multi-stage centrifugal pumps

TECHNICAL CHARACTERISTICS

- New design
- New improved hydraulic, even more reliable and with higher performance
- Reduced energy consumption

SUITABLE FOR

- Clean water
- Domestic use
- Civil use

INSTALLATION AND USE

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of the quietness, these pumps are widely used in domestic applications such as the distribution of water in combination with small and medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

APPLICATION LIMITS

- Manometric suction lift up to **7m**
- Liquid temperature between **–10°C and +40°C**
- Ambient temperature up to **+40°C**
- Max. working pressure **7 bar**
- Continuous service **S1**

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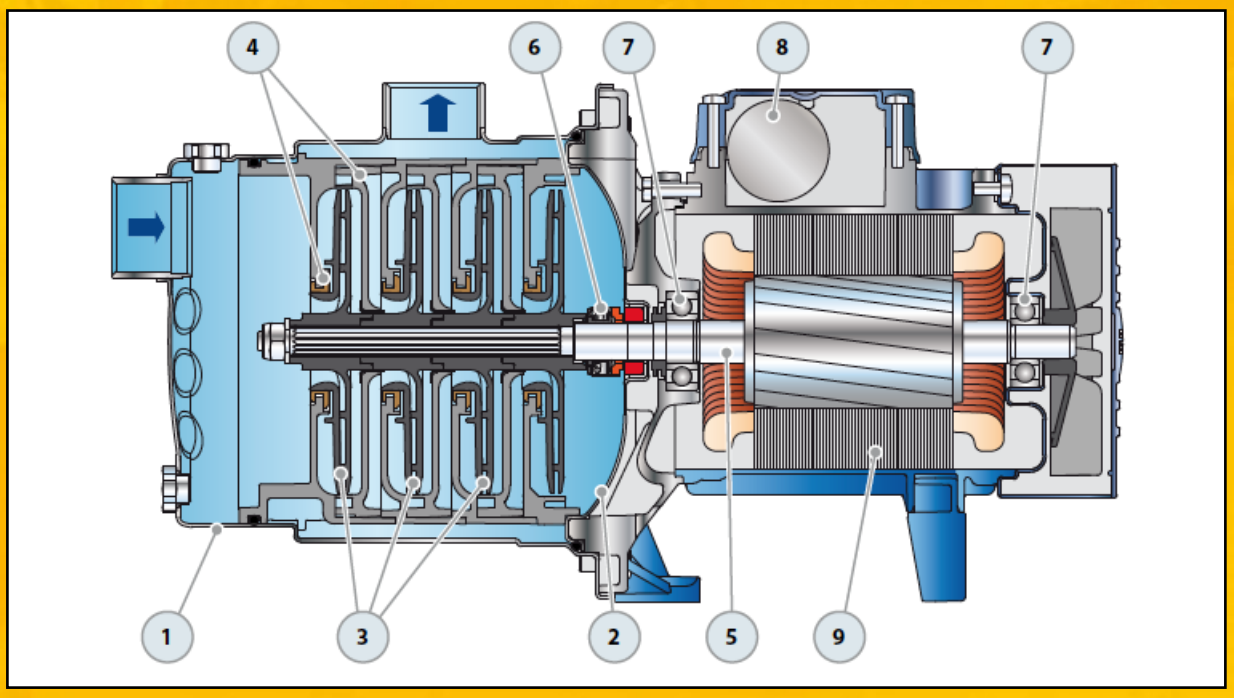
POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	PUMP BODY	Cast iron with threaded port in compliance with ISO 228/1
2	BASE	Stainless steel AISI 304
3	IMPELLER	Noryl FE1520PW
4	DIFFUSERS	Noryl FE1520PW complete with anti-wear ring
5	MOTOR SHAFT	Stainless steel EN 10088-3—1.4104
6	MECHANICAL SEAL	

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

7	BEARINGS	6203 ZZ / 6203 ZZ
8	CAPACITOR	Capacitance 230V or 240V: 20 µF 450 VL
9	ELECTRIC MOTOR	Single-phase 230 V—50 Hz with thermal overload protector built-in to the winding. Insulation: class F Protection: IP X4



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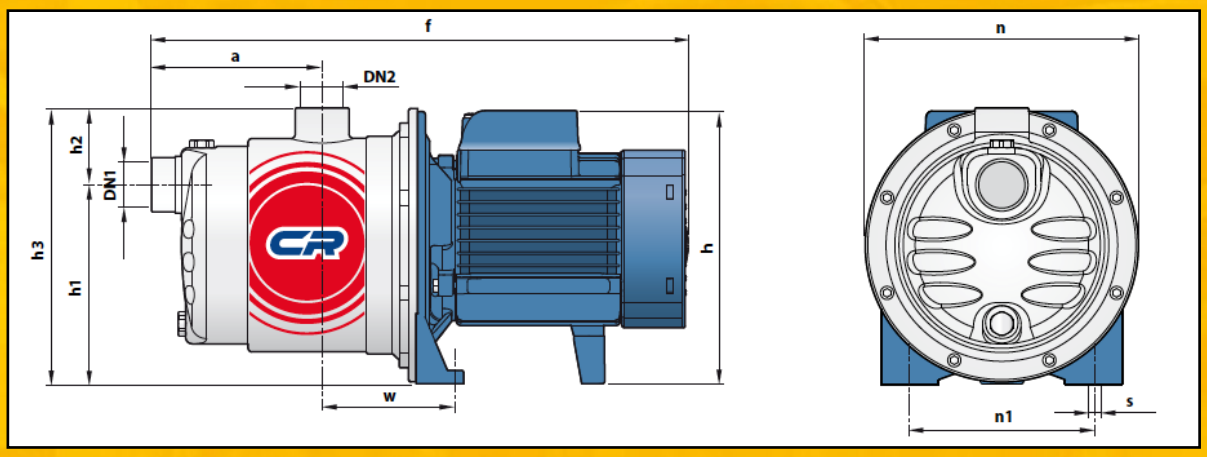
PERFORMANCE DATA

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

POWER		**Q** m³/h	**0**	**0.3**	**0.6**	**0.9**	**1.2**	**1.5**	**1.8**	**2.4**	**3.0**	**3.6**	**4.2**	**4.8**
kW	**HP**	l/min	**0**	**5**	**10**	**15**	**20**	**25**	**30**	**40**	**50**	**60**	**70**	**80**
0.75	1	**H** metres	67	66	64	62	59	56	53	45.5	37.5	29.5	20.5	12

DIMENSIONS



Ports		**Dimensions mm**									
DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s
1”	1”	138	411	202	132	51	183	182	120	87	10