PQA

pumps with peripheral impeller
recommended for industrial applications

RANGE OF PERFORMANCE
Flow rate up to 50 l/min (3 m³/h)
Head up to 90 m

LIMITS OF USE
Manometric suction lift up to 8 m
Liquid temperature up to + 90°C
Environment temperature up to + 40°C

CONSTRUCTION AND SAFETY STANDARDS
EN 60034-1
IEC 34-1
CEI 2-3

CE

INSTALLATION AND USE
They are recommended for pumping clean water without abrasive particles and liquids that are chemically non aggressive to the materials from which the pump is made. **NON-FERROUS CONSTRUCTION WITH WETTED PARTS IN HIGH PERFORMANCE TECHNOPOLYMER AND BRASS TO ELIMINATE THE POSSIBILITY OF CORROSION. CONSEQUENTLY THEY ARE RECOMMENDED FOR INDUSTRIAL APPLICATIONS INCLUDING COOLING, CONDITIONING AND BOILER FEED.**
The pumps must be installed in enclosed places, or at least protected against inclement weather.

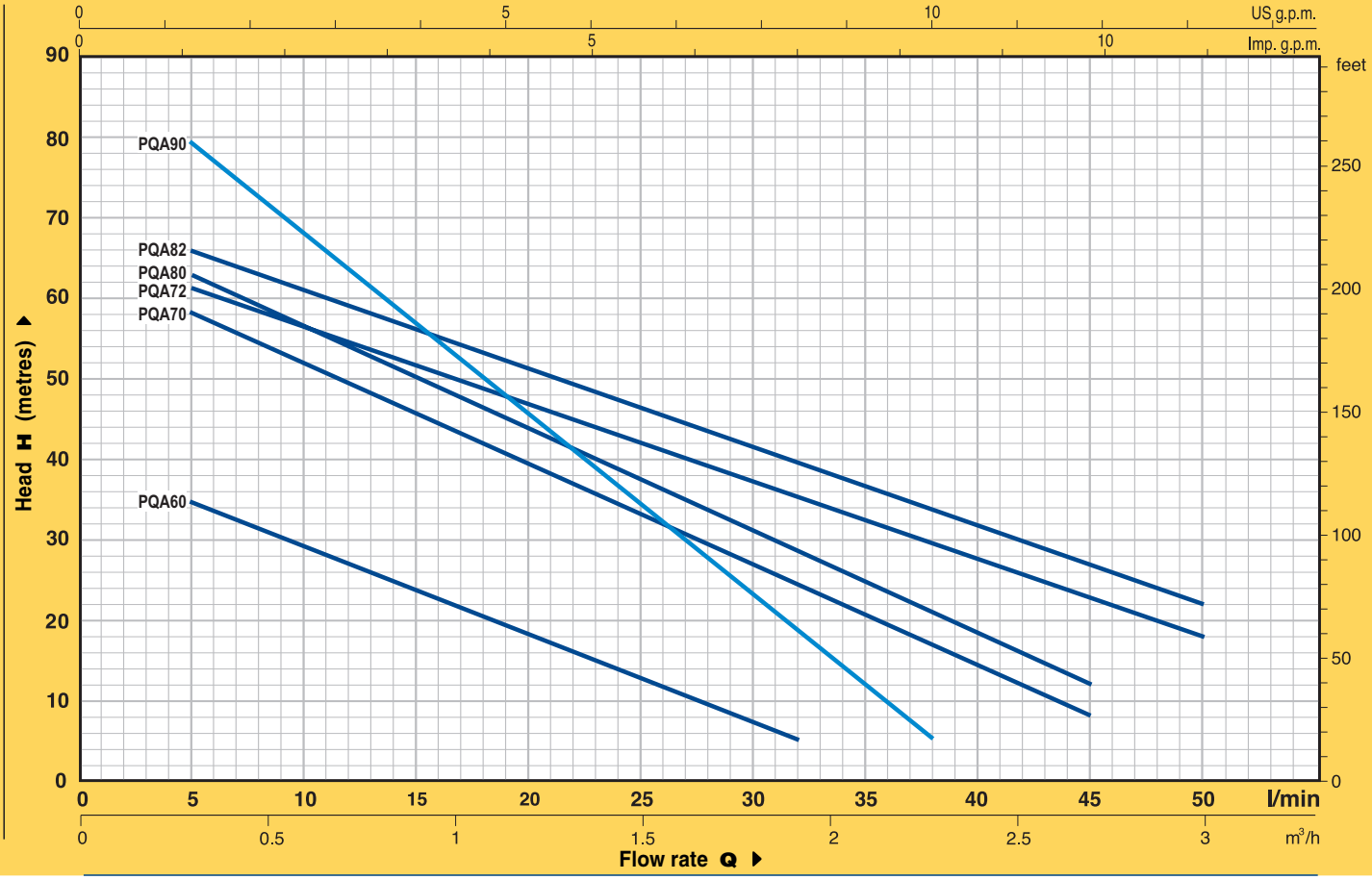
GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS
- **PUMP BODY: high-performance technopolymer** with metal threaded port insert ISO 228-1 for secure pipe connection without damage to the pump body.
- **BODY BACK-PLATE: brass** .
- **MOTOR BRACKET (patent nº 1289150): aluminium** with **brass** insert; eliminates seizure of the impeller after long periods of inactivity.
- **IMPELLER: brass,** of the type with radial peripheral vanes.
- **MOTOR SHAFT: stainless steel EN 10088-3 - 1.4104.**
- **MECHANICAL SEAL: ceramic - graphite - NBR**.
- **ELECTRIC MOTOR:** the pumps are close-coupled to a carefully matched PEDROLLO electric motor, quiet running, totally enclosed fan cooled (TEFC), suitable for continuous duty.
  PQAm: single-phase 230 V - 50 Hz with capacitor and thermal overload protector.
  PQA: three-phase 230/400 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 44.
- **REGISTERED MODEL**

OPTIONS ON REQUEST
⇒ pump shaft in stainless steel **EN 10088-3 - 1.4401 (AISI 316)**
⇒ special mechanical seal
⇒ protection IP 55
⇒ other voltages or frequency 60 Hz

PEDROLLO ... the spring of life

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

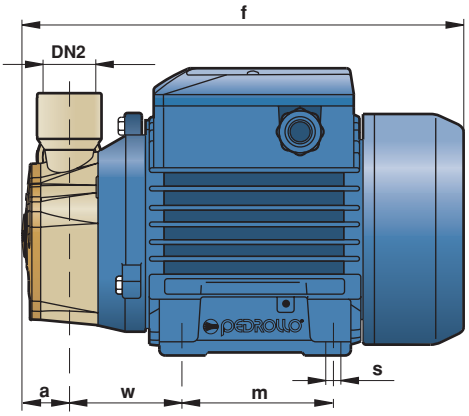


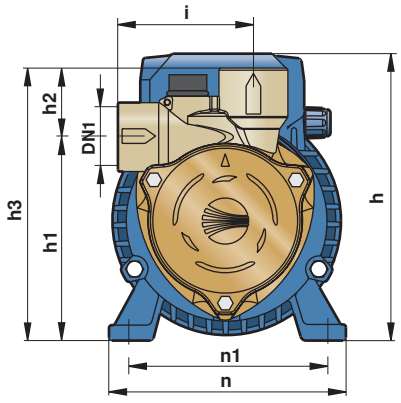
TYPE		POWER		Q												
Single-phase	Three-phase	kW	HP	m³/h	0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	2.3	2.7	3.0
				l/min	**0**	**2**	**5**	**10**	**15**	**20**	**25**	**30**	**32**	**38**	**45**	**50**
PQAm 60	**PQA 60**	0.37	0.50	H metres	40	38	35	29	23.5	18	12.5	7	5			
PQAm 70	**PQA 70**	0.55	0.75		65	62	58	52	45.5	39.5	33	27	24	16.5	8	
PQAm 72	**PQA 72**	0.55	0.75		65	-	62	57	52	47	42	37.5	35.5	29.5	22.5	18
PQAm 80	**PQA 80**	0.75	1		70	66	62	56	49.5	43	37	31	28	20.5	12	
PQAm 82	**PQA 82**	0.75	1		70	-	66	61	56	51	46	41.5	39.5	37.5	26.5	22
PQAm 90	**PQA 90**	0.75	1		90	86	79	68	56.5	45.5	34	23	18.5	5		

Q = Flow rate **H** = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS





TYPE		PORTS		DIMENSIONS mm												kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	i	m	n	n1	w	s	1~	3~
PQAm 60	**PQA 60**	1/2"	1/2"	25	226	152	103	33	136	72.5	80	120	100	55	7	4.8	4.8
PQAm 70	**PQA 70**			28	258	179	116.5	32.5	149		90	138	112	62		10.3	9.3
PQAm 72	**PQA 72**	1"	1"				121	30	151	83						10.4	9.4
PQAm 80	**PQA 80**	1/2"	1/2"				116.5	32.5	149	72.5						10.5	9.5
PQAm 82	**PQA 82**	1"	1"				121	30	151	83							
PQAm 90	**PQA 90**	1/2"	1/2"	27	257			35	156	76							