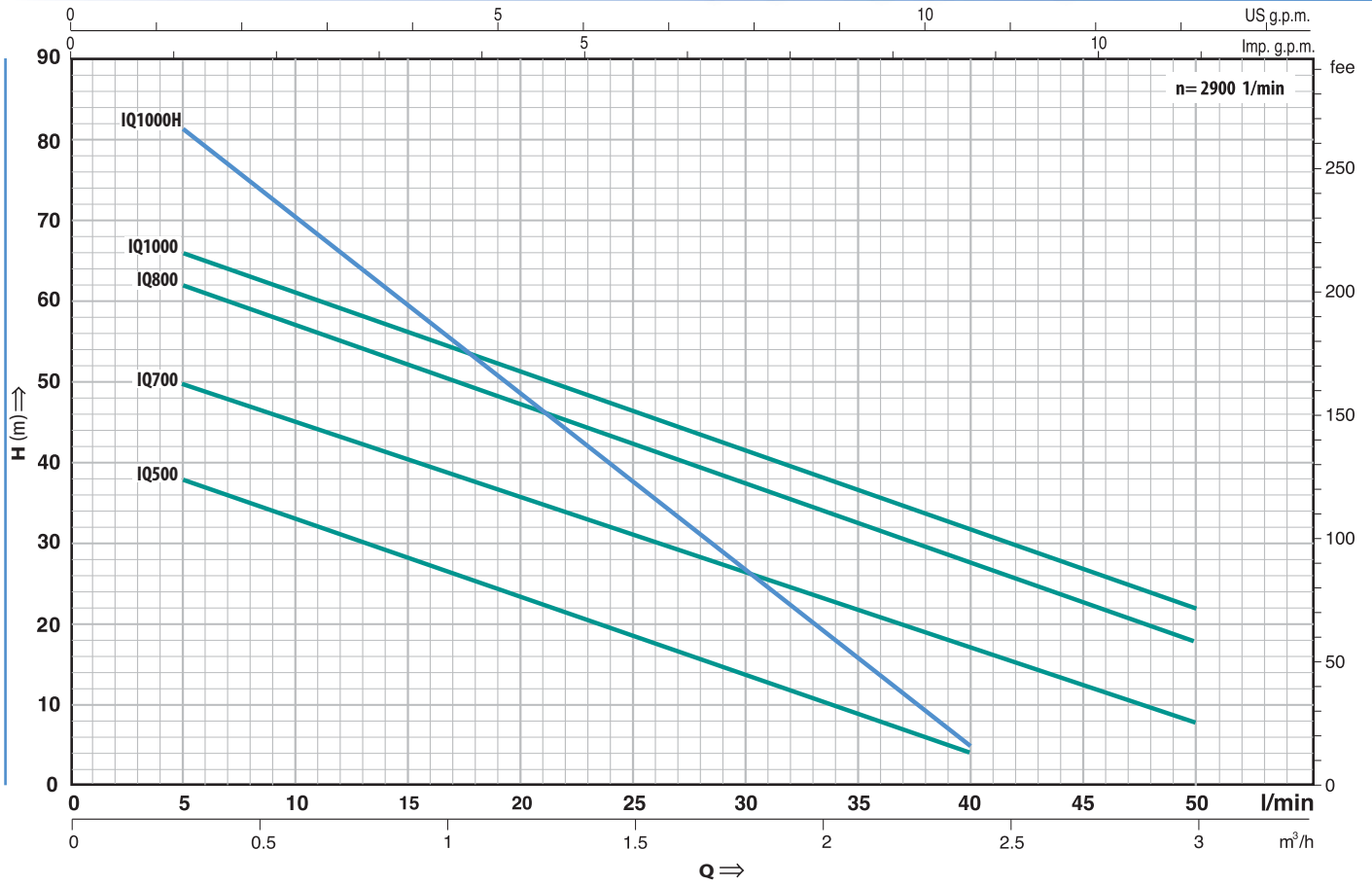




# IQ

pumps with peripheral impeller



Q = Flow rate H = Total manometric head

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

TYPE		POWER		m³/h l/min	H metres																
Single-phase	Three-phase	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4			
IQ 500M	IQ 500	0.37	0.50	0	5	10	15	20	25	30	35	40	50	60	70	80	90				
IQ 700M	IQ 700	0.50	0.70	40	38	33.5	29	24	19.5	15	10	5									
IQ 800M	IQ 800	0.60	0.85	55	50	45.5	40.5	36	31	27	22	17	8								
IQ 1000M	IQ 1000	0.75	1	65	62	57	52	47	42	37	32	27	18								
IQ 1000HM	IQ 1000H	0.75	1	70	66	61	56	51	46	41	36.5	31	22								
				90	82	71	60	49	38	27	17	5									

## 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~
IQ 500M	IQ 500	1"	1"	22	223	152	108	30	138	78	80	120	100	55	7	5.3	5.3
IQ 700M	IQ 700				234/227		113		143					57		7.1	6.3
IQ 800M	IQ 800				253		121		151					62		9.9	8.9
IQ 1000M	IQ 1000													10.0		8.8	
IQ 1000HM	IQ 1000H				3/4"	3/4"	22		253					179		126	27



#### RANGE OF PERFORMANCE

Flow rate up to 50 l/min (3.0 m<sup>3</sup>/h)

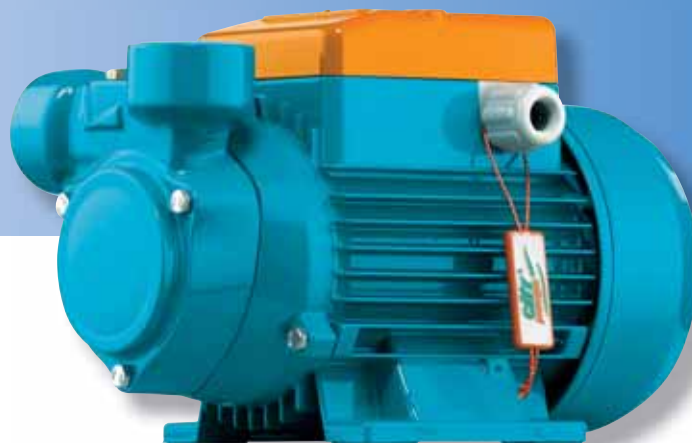
Head up to 90 m

#### LIMITS OF USE

Manometric suction lift up to 8 m

Liquid temperature up to + 90°C

Environment temperature up to + 40°C



#### 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.

**THE HYDRAULIC CHARACTERISTICS OF THESE PUMPS, TOGETHER WITH THEIR COMPACTNESS, MAKE THEM SUITABLE FOR USE IN THE INDUSTRIAL SECTOR.** 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:** cast iron, with threaded ports ISO 228/1.
- **MOTOR BRACKET:** aluminium with brass insert; reduces starting difficulties due to 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 electric motor, quiet running, totally enclosed fan cooled, suitable for continuous duty.
- IQM:** single-phase 230 V - 50 Hz with capacitor and thermal overload protector.
- IQ:** three-phase 230/400 V - 50 Hz.
- **INSULATION:** class F.
  - **PROTECTION:** IP 44.

#### 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

#### CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1

IEC 34-1

CEI 2-3



## DIMENSIONS

