



with brass pump body



PERFORMANCE RANGE

Flow rate up to 18 l/min (1.1 m³/h)
Dynamic head up to 90 m

OPERATING LIMITS

Maximum ambient temperature + 60°C

CONSTRUCTION AND SAFETY STANDARDS:

EN 60034-1
IEC 34-1
CEI 2-3



PUMP INSTALLATION AND APPLICATIONS

THE HYDRAULIC PERFORMANCE OF THESE STURDY AND COMPACT PUMPS ALSO MAKES THEM IDEALLY SUITED FOR INDUSTRIAL APPLICATIONS, SINCE THEY CAN BE INSTALLED IN CONDITIONS PROHIBITIVE FOR OTHER PUMP TYPES.

PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		PERFORMANCE		CONNECTIONS	
Single phase	Three phase	kW	HP	Q (l/min)	H (meters c.a.)	Suction	Delivery
PQm 81-Bs	PQ 81-Bs	0.50	0.70	2 ÷ 18	80 ÷ 10	1/2"	1/2"

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.

STRUCTURAL CHARACTERISTICS

PUMP MODEL	PUMP BODY	MOTOR BRACKET	IMPELLER	MECHANICAL SEAL	"OR" RING	SHAFT
	BRASS UNI EN 12165	ALLUMINIUM WITH BRASS INSERT	BRASS UNI EN 12165	NBR ceramic-graphite	NBR	STEEL X12CrS13 (UNI) AISI 416
PQ 81- Bs	X	X	X	X	X	X

These pumps should be installed in a covered area, protected against weather.

WARRANTY: 2 YEARS

(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **MOTOR:** the pumps are coupled to an asynchronous, high efficiency PEDROLLO induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. INSULATION class B.
The thermal cutout relay (motor protector) is incorporated in single phase motors.
Three phase motors require an adequate external motor protector, with connections according to current standards.
- **PROTECTION:** IP 44.

SPECIAL FEATURES ON REQUEST:

- ⇒ AISI 316 stainless steel motor shaft
- ⇒ EPDM, VITON (or other on request) mechanical seal
- ⇒ IP 55 protection
- ⇒ insulation class F
- ⇒ other voltage