

CPm 160B

Centrifugal pumps

-  Clean water
-  Civil use
-  Agricultural use
-  Industrial use



PERFORMANCE RANGE

- Max flow rate **240 l/min**
- Head up to **36 m**

APPLICATION LIMITS

- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature between **-10 °C** and **+40 °C**
- Max. working pressure **10 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1 EN 60034-1
IEC 60335-1 IEC 60034-1
CEI 61-150 CEI 2-3



EU REGULATION N. 547/2012

CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY



INSTALLATION AND USE

Suitable for use with clean water and with liquids that are not chemically aggressive towards the materials from which the pump is made. These pumps are widely used in civil, agricultural and industrial applications such as for supplying water, in air conditioning and cooling systems, for irrigation, etc.

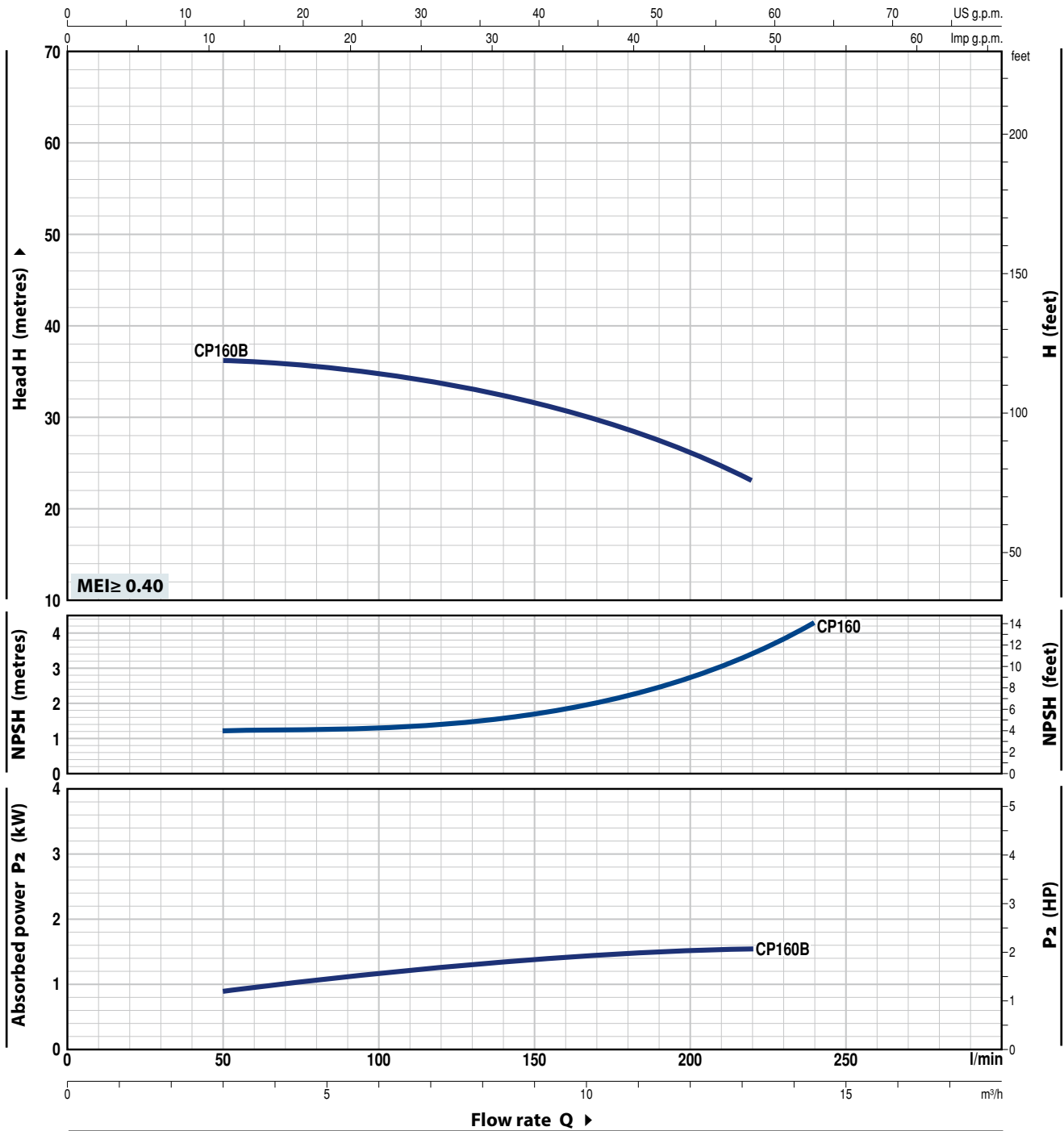
Installation needs to be undertaken in well ventilated closed areas or anyway protected from bad weather.

PATENTS - TRADE MARKS - MODELS

- Registered EU Design n. 002098434 for CP 160

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min⁻¹ HS= 0 m



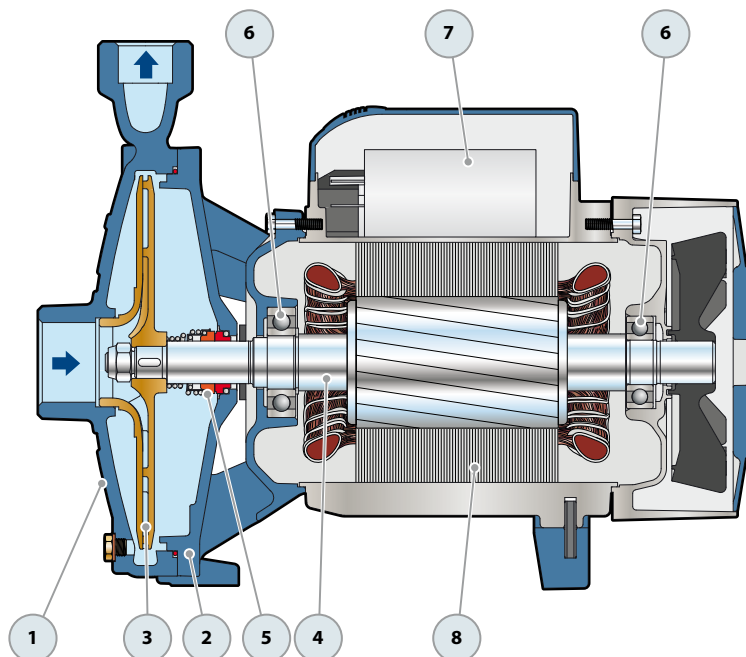
MODEL	POWER (P ₂)			Q	Flow rate															
	kW	HP	▲		0	3	4.5	6	7.5	9	10.5	12	13.2	14.4	15	16.2	16.8			
Single-phase				l/min	0	50	75	100	125	150	175	200	220	240	250	270	280			
CPm 160B	1.5	2	IE3	H metres	37	36	35.5	34.5	33.5	31.5	29	26.5	23							

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

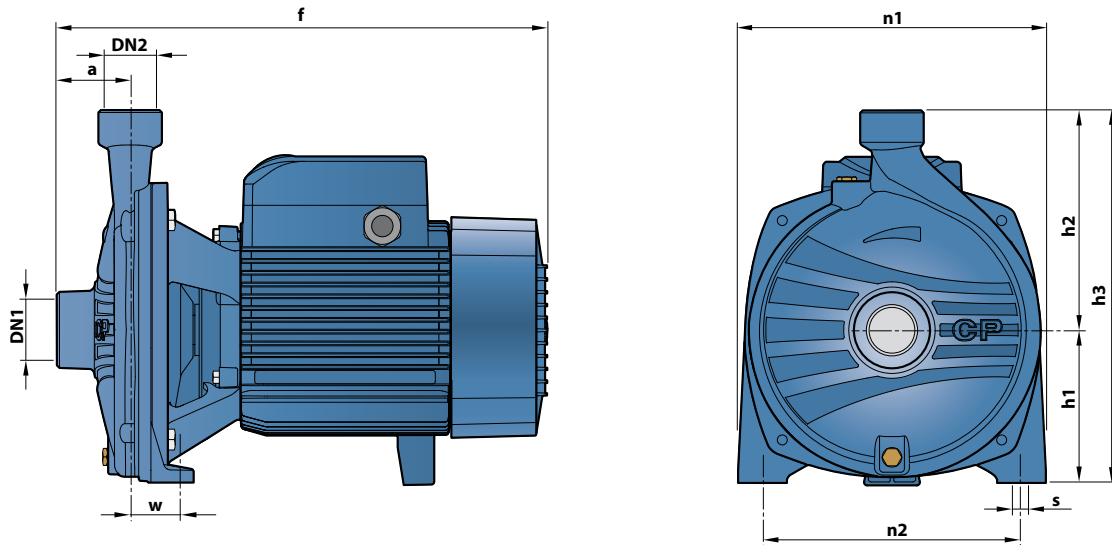
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS					
1	PUMP BODY	Cast iron complete with threaded ports in compliance with ISO 228/1					
2	BODY BACKPLATE	Cast iron					
3	IMPELLER	Stainless steel for CP160 Brass for CP 210					
4	MOTOR SHAFT	Stainless steel AISI 431					
5	MECHANICAL SEAL	<i>Pump</i>	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>		
		<i>Model</i>	<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		CP 160	FN-18	Ø 18 mm	Graphite	Ceramic	NBR
6	BEARINGS	<i>Pump</i>	<i>Model</i>				
		CP 160	6204 ZZ / 6204 ZZ				
7	CAPACITOR	<i>Pump</i>	<i>Capacitance</i>				
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>			
		CPm 160B	45 µF - 450 VL	80 µF - 250 VL			
8	ELECTRIC MOTOR	CPm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding (up to 1.5 kW).					

- Insulation: class F
- Protection: IP X4



DIMENSIONS AND WEIGHT



MODEL	PORTS		DIMENSIONS mm									kg	
	DN1	DN2	a	f	h1	h2	h3	n1	n2	w	s		
Single-phase													1~
CPm 160B	1½"	1"	54	370	110	150	260	206	165	44.5	11	20.0	

ABSORPTION

MODEL	VOLTAGE
Single-phase	240 V
CPm 160B	10.0 A