

2÷4CP

Multi-stage centrifugal pumps



PERFORMANCE RANGE

- Flow rate up to **130 l/min** (7.8 m³/h)
- Head up to **50 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure **6 bar**
- Continuous service **S1**

SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

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



CERTIFICATIONS



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 their 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. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

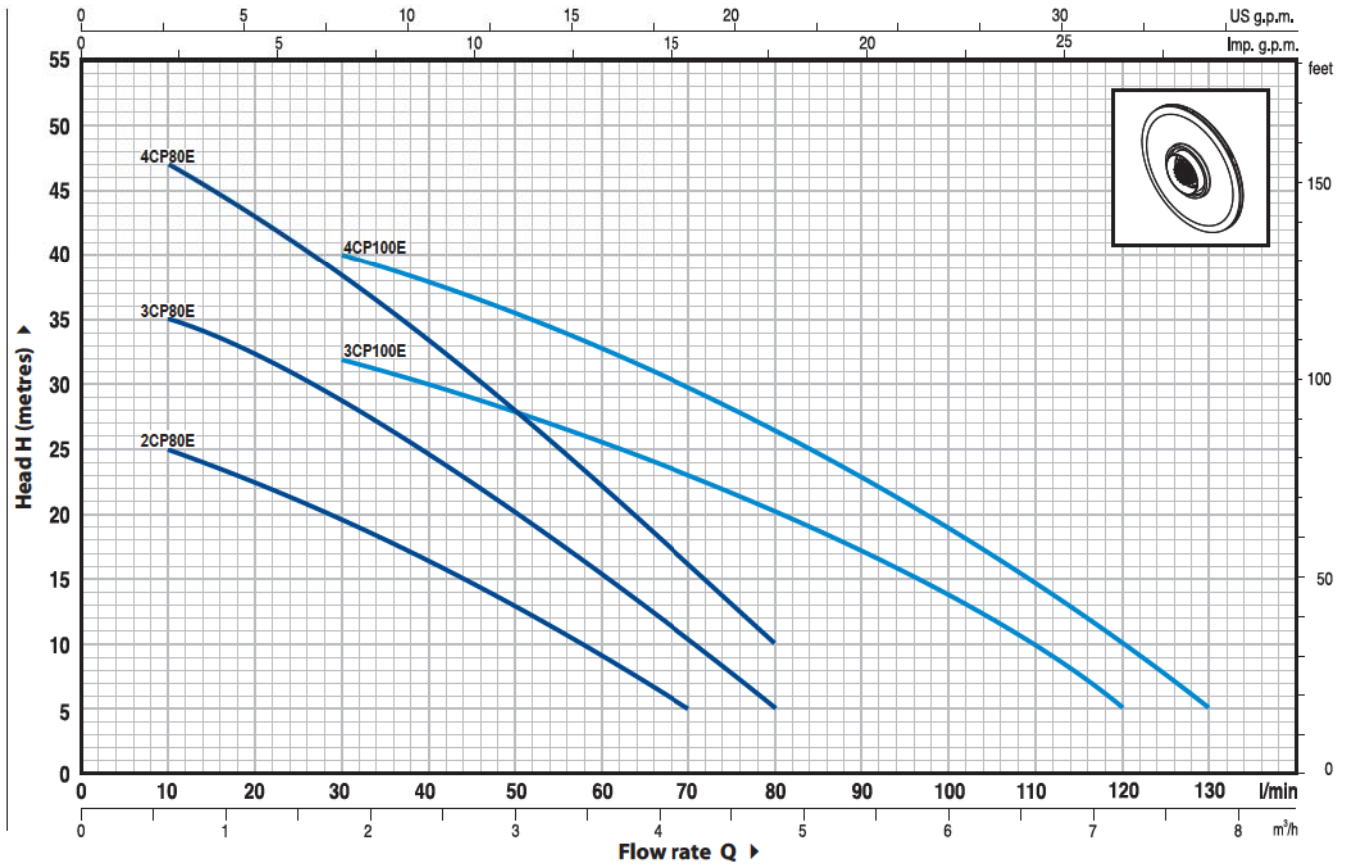
- Registered Community Design n° 342159-0006

OPTIONALS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA
50 Hz n= 2900 1/min HS= 0 m


MODEL		POWER		Q	H metres																		
Single-phase	Three-phase	kW	HP		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	5.4	6.0	6.6	7.2	7.8	
				l/min	0	5	10	15	20	25	30	40	50	60	70	80	90	100	110	120	130		
2CPm 80E	-	0.37	0.50	H metres	27	26	25	24	22.5	21	20	16.5	13	9	5								
3CPm 80E	3CP 80E	0.45	0.60		38	36	35	34	33.5	31	29	25	20	15.5	10	5							
4CPm 80E	4CP 80E	0.60	0.85		50	48	47	45	43	40.5	38.5	33.5	28	22.5	16	10							
3CPm 100E	3CP 100E	0.60	0.85		36	35.5	35	34	33.5	32.5	32	30	28	26	23	20	17	13.5	10	5			
4CPm 100E	4CP 100E	0.75	1		46	45	44	43	42	41	40	38	35.5	33	30	26.5	22.5	19	15	10	5		

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

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Stainless steel AISI 304				
3	IMPELLERS	Noryl GFN2V				
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
5	MECHANICAL SEAL	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>		
		<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		AR-13	Ø 13 mm	Ceramic	Graphite	NBR
6	BEARINGS	<i>Pump</i>	<i>Model</i>			
		2CPm 80E 3CPm 80E 4CPm 80E	6202 ZZ - C3 / 6201 ZZ			
		3CP 100E 4CP 100E	6203 ZZ / 6203 ZZ			
7	CAPACITOR	<i>Pump</i>	<i>Capacitance</i>			
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>		
		2CPm 80E	10 µF 450 VL	25 µF 250 VL		
		3CPm 80E	12.5 µF 450 VL	30 µF 250 VL		
		4CPm 80E	14 µF 450 VL	30 µF 250 VL		
		3CPm 100E 4CPm 100E	20 µF 450 VL	60 µF 300 VL		
8	ELECTRIC MOTOR	<p>2-3-4CPm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding. 2-3-4CP: three-phase 230/400 V - 50 Hz.</p> <p>→ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance</p> <ul style="list-style-type: none"> - Insulation: F class. - Protection: IP 44. 				

