2CP

two-stage centrifugal pumps
(back-to-back impellers)

High efficiency, quiet running pumps with ample, stable curves. Suitable for continuous heavy duty service in domestic, agricultural or industrial applications.



2CPm 25/160

PERFORMANCE RANGE
Flow rate up to 400 l/min (24 m³/h)
Dynamic head up to 112 m

OPERATING LIMITS
Suction lift up to 7 m
Fluid temperature up to + 60°C
Maximum ambient temperature + 40°C

CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1	**EN 60034-1**
IEC 335-1	**IEC 34-1**
CEI 61-150	**CEI 2-3**

PUMP INSTALLATION AND APPLICATIONS

These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components.
These pumps are an obvious choice wherever there is a need for high head values hard to reach with single impeller pumps, all thanks to the following features: extremely high outputs, suitable for continuous and heavy-duty use and particularly adaptable to a **wide range of particular applications.**
2CP SERIES PUMPS ARE EXTREMELY RELIABLE, SIMPLE TO USE, QUIET AND VIRTUALLY MAINTENANCE-FREE, FINDING MANY USES IN DOMESTIC, CIVIL AND INDUSTRIAL APPLICATIONS, THE AUTOMATIC DISTRIBUTION OF WATER FROM SURGE TANKS, FOR WATERING GARDENS, FOR INCREASING THE MAINS SUPPLY PRESSURE, FOR FEEDING BOILERS, FOR COOLING SYSTEMS AND FIRE-FIGHTING UNITS.
These pumps should be installed in a covered area, protected against weather.

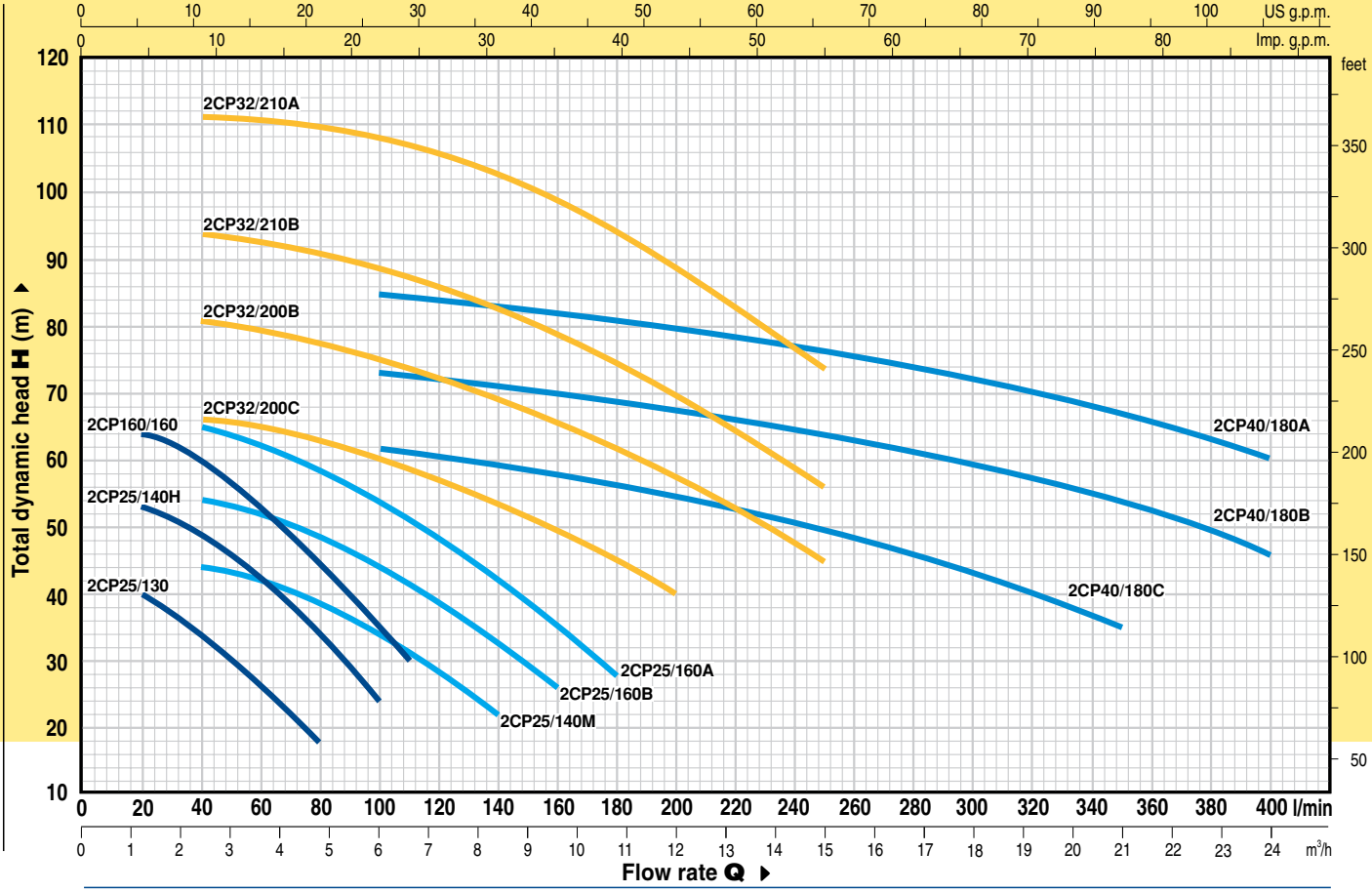
WARRANTY: 2 YEARS
(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **SUCTION BODY:**
  cast iron, with UNI ISO 228/1 gas threaded suction opening.
- **DELIVERY BODY:**
  cast iron, with UNI ISO 228/1 gas threaded delivery opening.
- **IMPELLERS:**
  brass, centrifugal radial flow type.
- **MOTOR SHAFT:**
  AISI 430F stainless steel.
- **MECHANICAL SEAL:**
  ceramic and graphite.
- **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 F (B up to 0.75 kW).
  The thermal cutout relay (motor protector) is incorporated in single phase motors up to 1.5 kW.
  The remaining single phase motors and all three phase motors require an adequate external motor protector, with connections according to current standards.
- **PROTECTION:**
  IP 44.

PEDROLLO®

PERFORMANCE CHART AT n= 2900 1/min

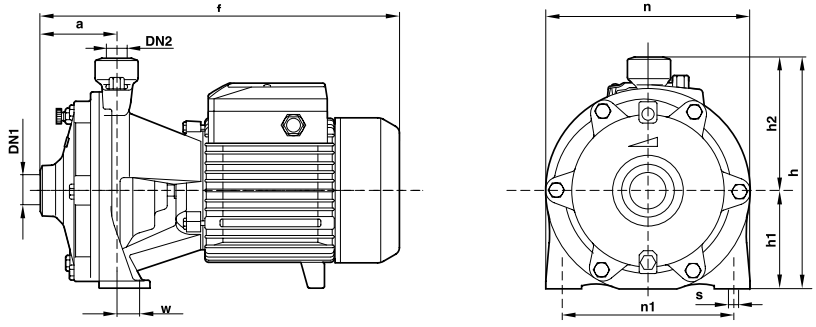


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.5	8.4	9.6	10.8	12.0	15.0	18.0	21.0	24.0
Single phase	Three phase	kW	HP	l/min	0	20	30	40	50	60	70	80	90	100	110	125	140	160	180	200	250	300	350	400
2CPm 25/130	2CP 25/130	0.75	1	H (m)	44	40	37	34	30	26	22	18												
2CPm 25/140H	2CP 25/140H	1.1	1.5		54	53	51	49	46	42	38	34	29	24										
2CPm 25/140M	2CP 25/140M	1.1	1.5		47	46	45.5	44	43	42	41	38	36	34	31	27	22							
2CPm 160/160	2CP 160/160	1.5	2		66	64	62	60	57	53	49	44	39.5	35	30									
2CPm 25/160B	2CP 25/160B	1.5	2		58	56	55	54	53	52	50	48	46	44	41	37	33	26						
—	2CP 25/160A	2.2	3		68	66.5	65.5	65	63	62	60	58	56	54	51	47	42	35	28					
2CPm 32/200C	2CP 32/200C	3	4		70	—	—	66	65.5	65	64	63	62	60	59	56	53	49	45	40				
2CPm 32/200B	2CP 32/200B	4	5.5		85	—	—	81	80	79	78	77	76	75	74	72	69	66	62	58	45			
—	2CP 32/210B	5.5	7.5		94	—	—	94	93.5	93	92	91	90	89	87	85	83	79	75	70	56			
—	2CP 32/210A	7.5	10		112	—	—	111	110.8	110.5	110.3	110	109	108	107	105	102	99	94	89	74			
2CPm 40/180C	2CP 40/180C	4	5.5		64	—	—	—	—	—	—	—	—	62	61	60	59	58	56	54.5	49	43	35	
—	2CP 40/180B	5.5	7.5		76	—	—	—	—	—	—	—	—	73	72.6	72	71	70	69	67.5	64	59.5	54	46
—	2CP 40/180A	7.5	10		88	—	—	—	—	—	—	—	—	85	84.6	84	83	82	81	79.5	76	72	67	60

Q = FLOW RATE **H** = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DN1	DN2	DIMENSIONS mm								
Single phase	Three phase			a	f	h	h1	h2	n	n1	w	s
2CPm 25/130	2CP 25/130	11/4"	1"	74	335	213	89	124	180	145	15	10
2CPm 25/140H	2CP 25/140H	11/4"	1"	74	356	225	93	132	200	162	23	10
2CPm 25/140M	2CP 25/140M	11/2"	1"	74	356	225	93	132	200	162	23	10
2CPm 160/160	—	11/4"	1"	84	399	263	110	153	225	185	26	11
—	2CP 160/160	11/4"	1"	84	379	263	110	153	225	185	26	11
2CPm 25/160B	—	11/2"	1"	86	401	263	110	153	225	185	26	11
—	2CP 25/160B	11/2"	1"	86	381	263	110	153	225	185	26	11
—	2CP 25/160A	11/2"	1"	86	401	263	110	153	225	185	26	11
2CPm 32/200C-B	2CP 32/200C-B	11/2"	11/4"	90	476	302	132	170	240	190	41	14
—	2CP 32/210B-A	2"	11/4"	112	570	334	139	195	284	232	25	14
2CPm 40/180C	—	2"	11/2"	112	570	334	139	195	284	232	25	14
—	2CP 40/180C	2"	11/2"	112	526	334	139	195	284	232	25	14
—	2CP 40/180B-A	2"	11/2"	112	570	334	139	195	284	232	25	14