



centrifugal pumps



CPm 158

PERFORMANCE RANGE

Flow rate up to 160 l/min (9.6 m³/h)
Dynamic head up to 58 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.

THEY ARE EXTREMELY RELIABLE, SIMPLE TO USE, QUIET AND VIRTUALLY MAINTENANCE-FREE, FINDING MANY USES IN DOMESTIC AND CIVIL APPLICATIONS, AND IN PARTICULAR THE AUTOMATIC DISTRIBUTION OF WATER FROM SMALL AND MEDIUM-SIZED SURGE TANKS, FOR TRANSFERRING WATER, FOR WATERING GARDENS, ETC.

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

WARRANTY: 2 YEARS

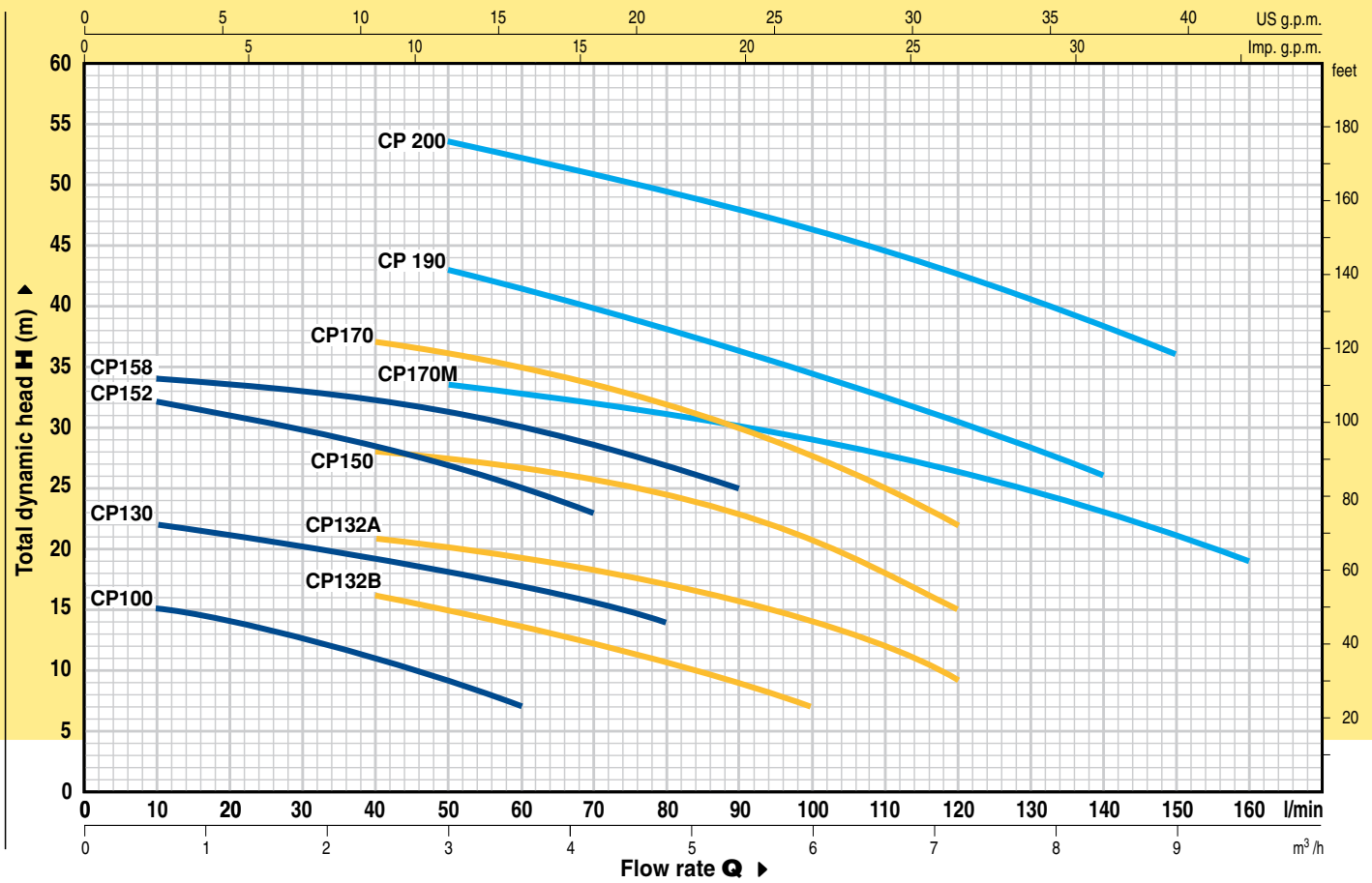
(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**
cast iron, with UNI ISO 228/1 gas threaded suction and delivery openings.
- **PUMP BODY COVER:**
AISI 304 stainless steel, in cast iron on more powerful models.
- **IMPELLER:**
brass, centrifugal radial flow (technopolymer impeller on request).
- **MOTOR SHAFT:**
AISI 430F stainless steel (AISI 416 up to 0.60 kW).
- **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, with an «IM B3» structural shape, 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.
Three phase motors require an adequate external motor protector, with connections according to current standards.
- **PROTECTION:**
IP 44.
- **REGISTERED MODEL n° 72753.**



PERFORMANCE CHART AT n= 2900 1/min

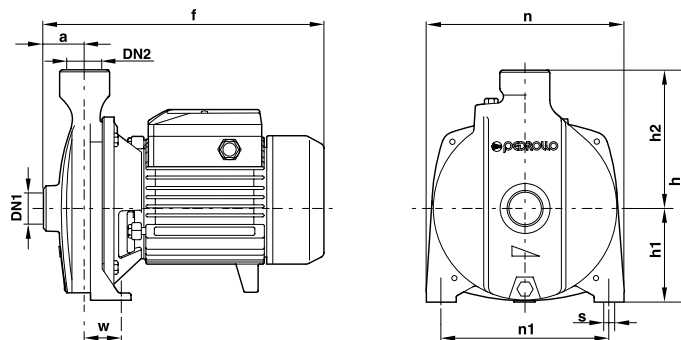


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h l/min	H (m)																
Single phase	Three phase	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6
CPm 100	CP 100	0.25	0.33	0	16	15	14	12.5	11	9	7										
CPm 130	CP 130	0.37	0.50	10	23	22	21	20	19	18	17	15.5	14								
CPm 132B	CP 132B	0.45	0.60	20	—	18	17	16	15	13.5	12	10.5	9	7							
CPm 132A	CP 132A	0.60	0.85	30	23	—	22	21.5	21	20	19	18	17	16	14	12	9				
CPm 152	CP 152	0.55	0.75	40	33	32	31	29.5	28.5	27	25	23									
CPm 150	CP 150	0.75	1	50	29.5	—	29	28.5	28	27.5	26.5	26	24.5	23	21	18	15				
CPm 158	CP 158	0.75	1	60	36	34	33.5	33	32.5	31.5	30	28.5	27	25							
CPm 170	CP 170	1.1	1.5	70	41	—	—	38	37	36	35	33.5	32	30	27.5	25	22				
CPm 170M	CP 170M	1.1	1.5	80	36	—	—	35	34.5	33.5	33	32	31	30	29	28	26.5	25	23	21	19
CPm 190	CP 190	1.5	2	90	50	—	—	46	44.5	43	41.5	40	38	36	34.5	32.5	30.5	28	26		
—	CP 200	2.2	3	100	58	—	—	55	54.5	53.5	52	51	49.5	48	46	44.5	42.5	40.5	38.5	36	

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
CPm 100	CP 100	1"	1"	34	247	187	77	110	148	118	45	10
CPm 130	CP 130	1"	1"	42	259	211	82	129	165	135	41	10
CPm 132B	CP 132B	1"	1"	42	259	211	82	129	165	135	41	10
CPm 132A	—	1"	1"	42	266	211	82	129	165	135	41	10
—	CP 132A	1"	1"	42	259	211	82	129	165	135	41	10
CPm 152-150-158	CP 152-150-158	1"	1"	42	285	240	92	148	190	160	38	10
CPm 170-170M	CP 170-170M	1 1/4"	1"	51	341	260	110	150	206	165	44.5	11
CPm 190	—	1 1/4"	1"	51.5	358	290	115	175	242	206	32.5	11
—	CP 190-200	1 1/4"	1"	51.5	338	290	115	175	242	206	32.5	11