



centrifugal pumps



CP 220



PERFORMANCE RANGE

Flow rate up to 800 l/min (48 m³/h)
Dynamic head up to 48 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 60034-1
IEC 34-1
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

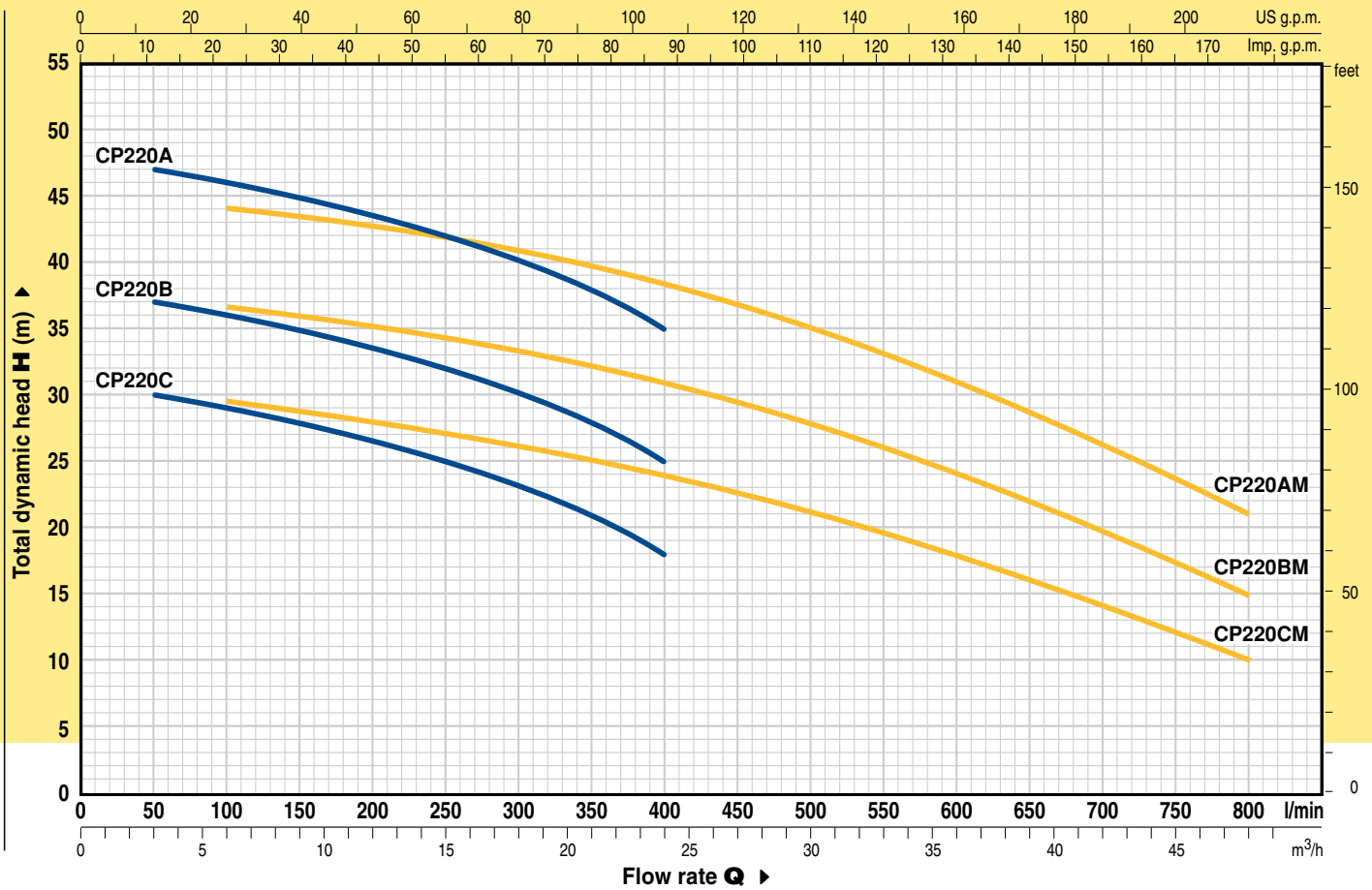
(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**
cast iron, with UNI ISO 228/1 gas threaded suction and delivery openings.
- **PUMP BODY COVER:**
cast iron.
- **IMPELLER:**
brass, centrifugal radial flow pump model.
- **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, with an «IM B3» structural shape, suitable for continuous duty. INSULATION class F.
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

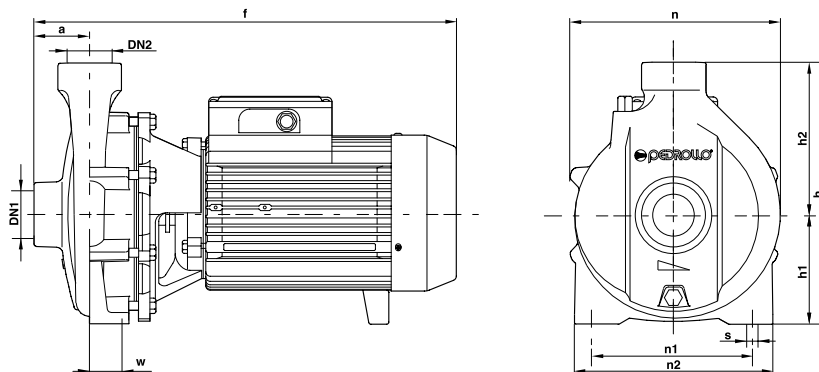


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h	Flow rate															
Single phase	Three phase	kW	HP		0	3	6	9	12	15	18	21	24	27	30	33	36	42	48	
				l/min	0	50	100	150	200	250	300	350	400	450	500	550	600	700	800	
CPm 220C	CP 220C	2.2	3	H (m)	31	30	29	28	26.5	25	23	21	18							
—	CP 220B	3	4		38	37	36	35	33.5	32	30	28	25							
—	CP 220A	4	5.5		48	47	46	45	43.5	42	40	38	35							
—	CP 220CM	3	4		30	-	29	28.5	27.5	27	26	25	24	22.5	21	19.5	18	14	10	
—	CP 220BM	4	5.5		37	-	36	35.5	34.5	34	33	32	30.5	29	27.5	26	24	20	15	
—	CP 220AM	5.5	7.5		45	-	44	43.5	42.5	42	40.5	39.5	38.5	36.5	35	33	31	26	21	

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DN1	DN2	DIMENSIONS mm									w	s
Single phase	Three phase			a	f	h	h1	h2	n	n1	n2			
CPm 220C	—	2"	2"	70	425	328	136	192	265	190	250	40	14	
—	CP 220C	2"	2"	70	400	328	136	192	265	190	250	40	14	
—	CP 220B	2"	2"	70	425	328	136	192	265	190	250	40	14	
—	CP 220A	2"	2"	70	470	328	136	192	265	190	250	40	14	
—	CP 220CM	2"	2"	70	425	328	136	192	265	190	250	40	14	
—	CP 220BM	2"	2"	70	470	328	136	192	265	190	250	40	14	
—	CP 220AM	2"	2"	70	515	328	136	192	265	190	250	40	14	