



close-coupled centrifugal pumps with threaded ports

Electric pumps with high efficiency motor for reduced energy consumption



RANGE OF PERFORMANCE

Flow rate up to 900 l/min (54 m³/h)
Head up to 75 m

LIMITS OF USE

Manometric suction lift up to 7 m
Liquid temperature up to + 90°C
Environment temperature up to + 40°C

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



INSTALLATION AND USE

They are recommended for pumping clean water and liquids that are chemically non aggressive to the materials from which the pump is made. **RELIABLE AND MAINTENANCE FREE THEY ARE WIDELY USED IN THE CIVIL, AGRICULTURAL AND INDUSTRIAL SECTORS, FOR SUPPLYING WATER, FOR CONDITIONING OR COOLING SYSTEMS, FOR IRRIGATION, ETC.**

The pumps must be installed in enclosed places, or at least protected against inclement weather.

GUARANTEE 2 YEARS subject to our general terms of sale.

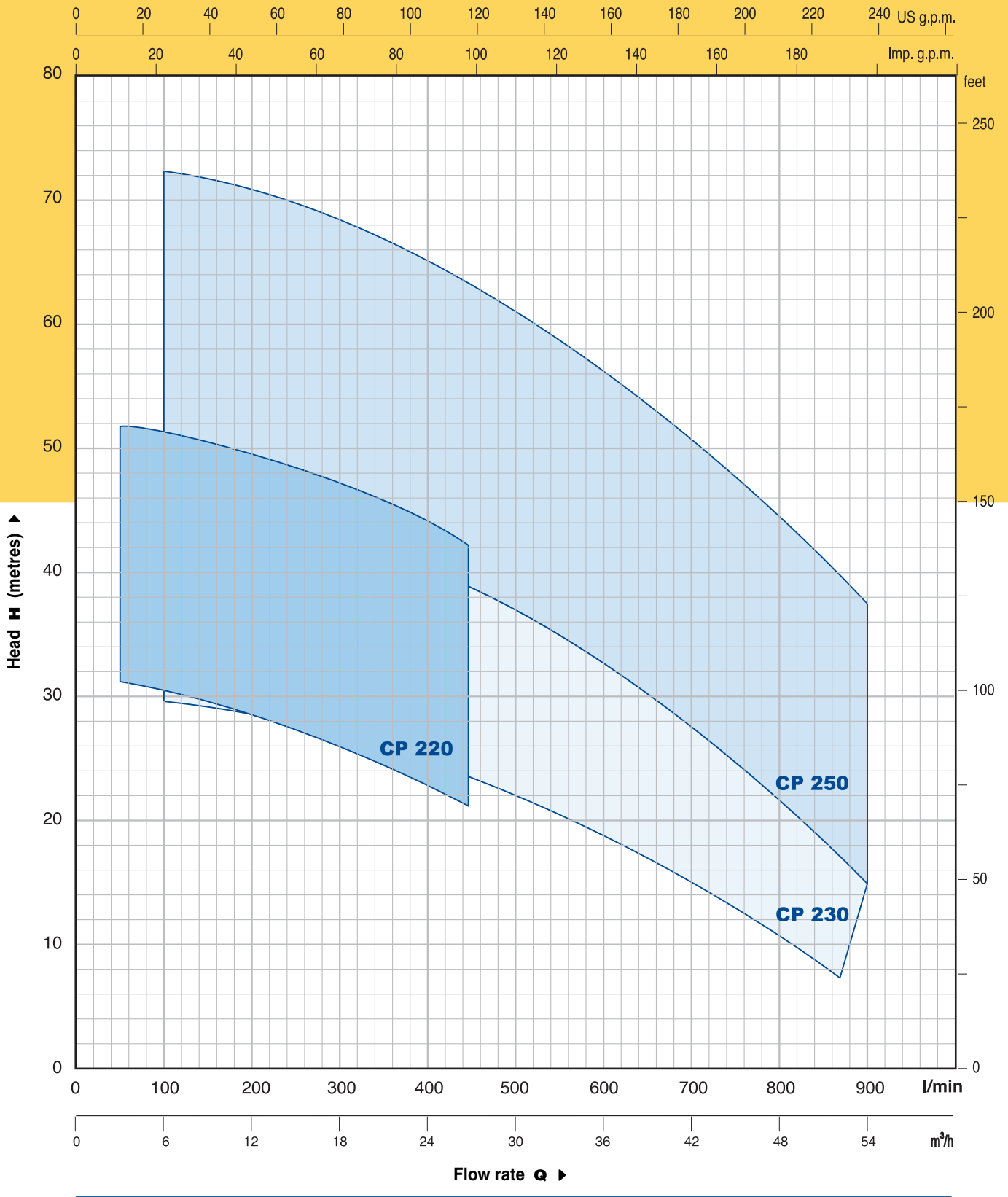
CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded ports ISO 228/1.
- **BODY BACK-PLATE:** cast iron.
- **IMPELLER:** brass for pumps CP 220, CP 230.
- **IMPELLER:** cast iron for pumps CP 250.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **MECHANICAL SEAL:** ceramic - graphite - NBR.
- **ELECTRIC MOTOR:** the pumps are close-coupled to a carefully matched PEDROLLO electric motor, **with high efficiency (class "EFF1")**, quiet running, totally enclosed fan cooled (TEFC), suitable for continuous duty.
CP: three-phase 230/400 V - 50 Hz up to 4 kW.
400/690 V - 50 Hz from 5.5 to 11 kW.
- **INSULATION:** class F. ● **PROTECTION** IP 44.
- **REGISTERED MODEL** n° 72753
- **PATENTED ELECTRIC MOTOR**

OPTIONS ON REQUEST

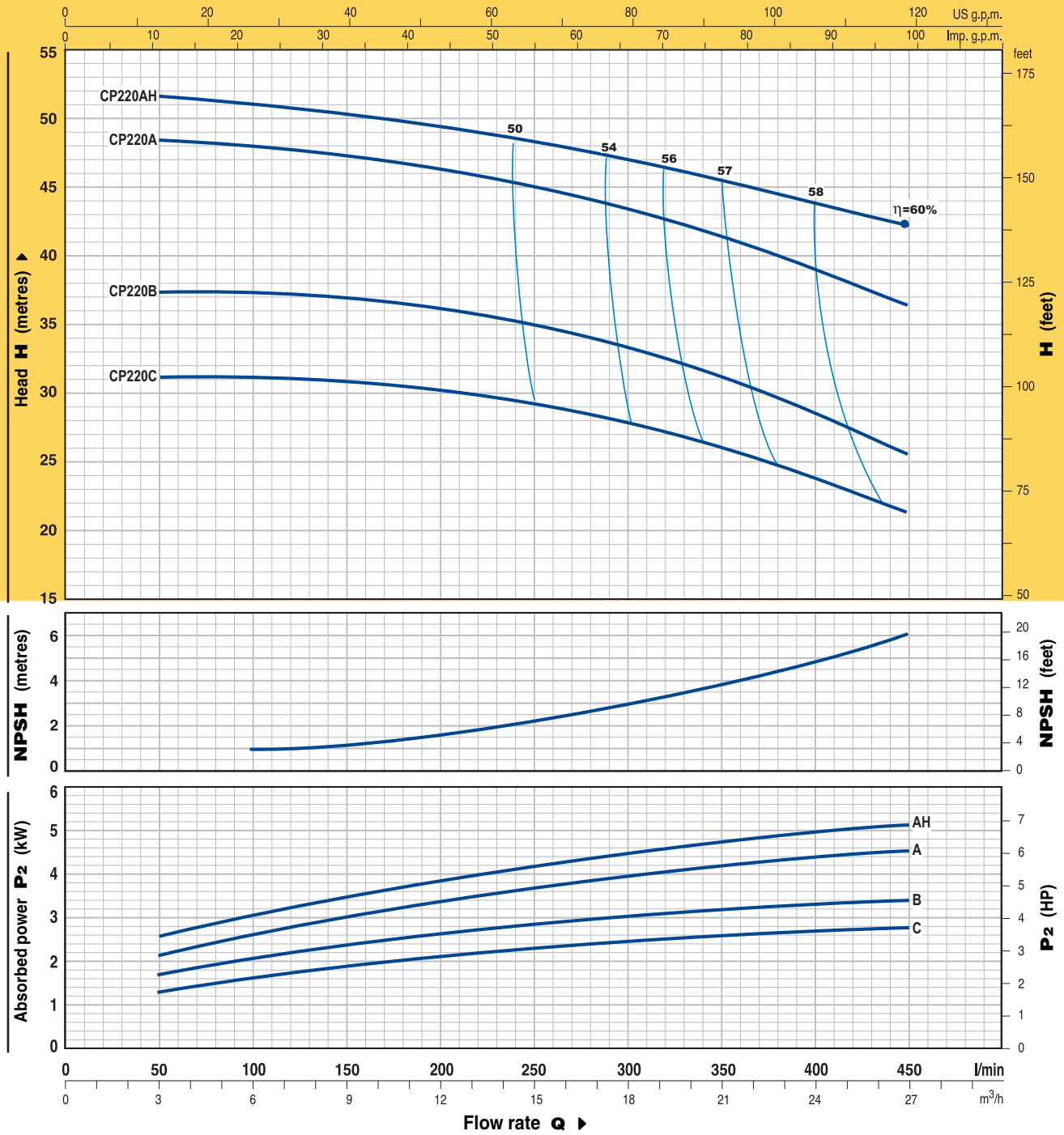
- ⇒ pump shaft in stainless steel EN 10088-3 - 1.4401 (AISI 316)
- ⇒ special mechanical seal
- ⇒ protection IP 55
- ⇒ other voltages or frequency 60 Hz

PERFORMANCE RANGE AT n= 2900 1/min



CP 220

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



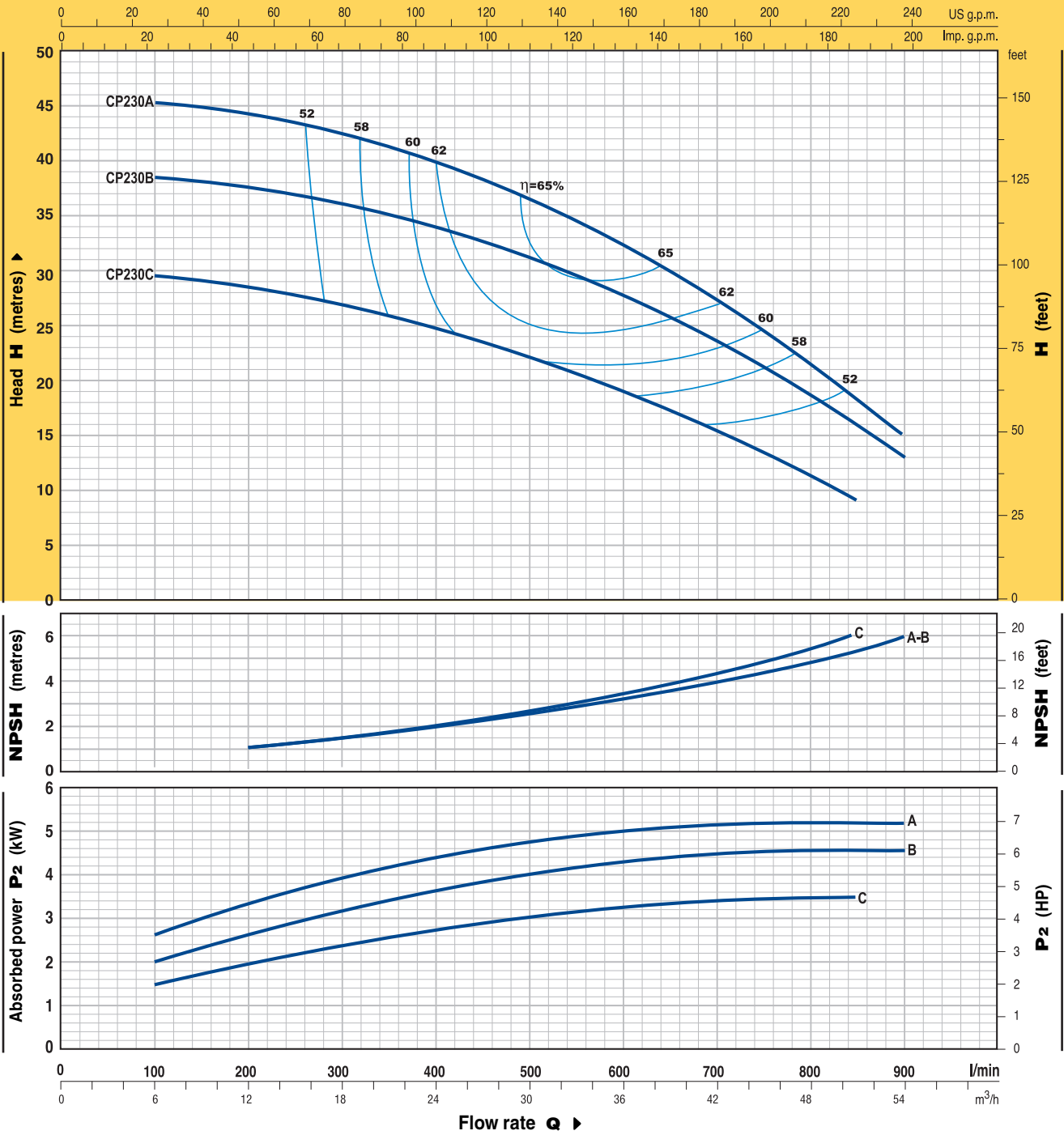
TYPE		POWER		Q	0	3	6	12	18	24	27
Single-phase	Three-phase	kW	HP		0	50	100	200	300	400	450
CPm 220C	CP 220C	2.2	3	H metres	32	31.5	31	30	28	24	21
CPm 220B	CP 220B	3	4		38	37.5	37	36	33.5	29	25
—	CP 220A	4	5.5		49	48.5	48	46	43.5	39.5	36
—	CP 220AH	5.5	7.5		52	51.5	51	49	47	44	42

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

CP 230

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



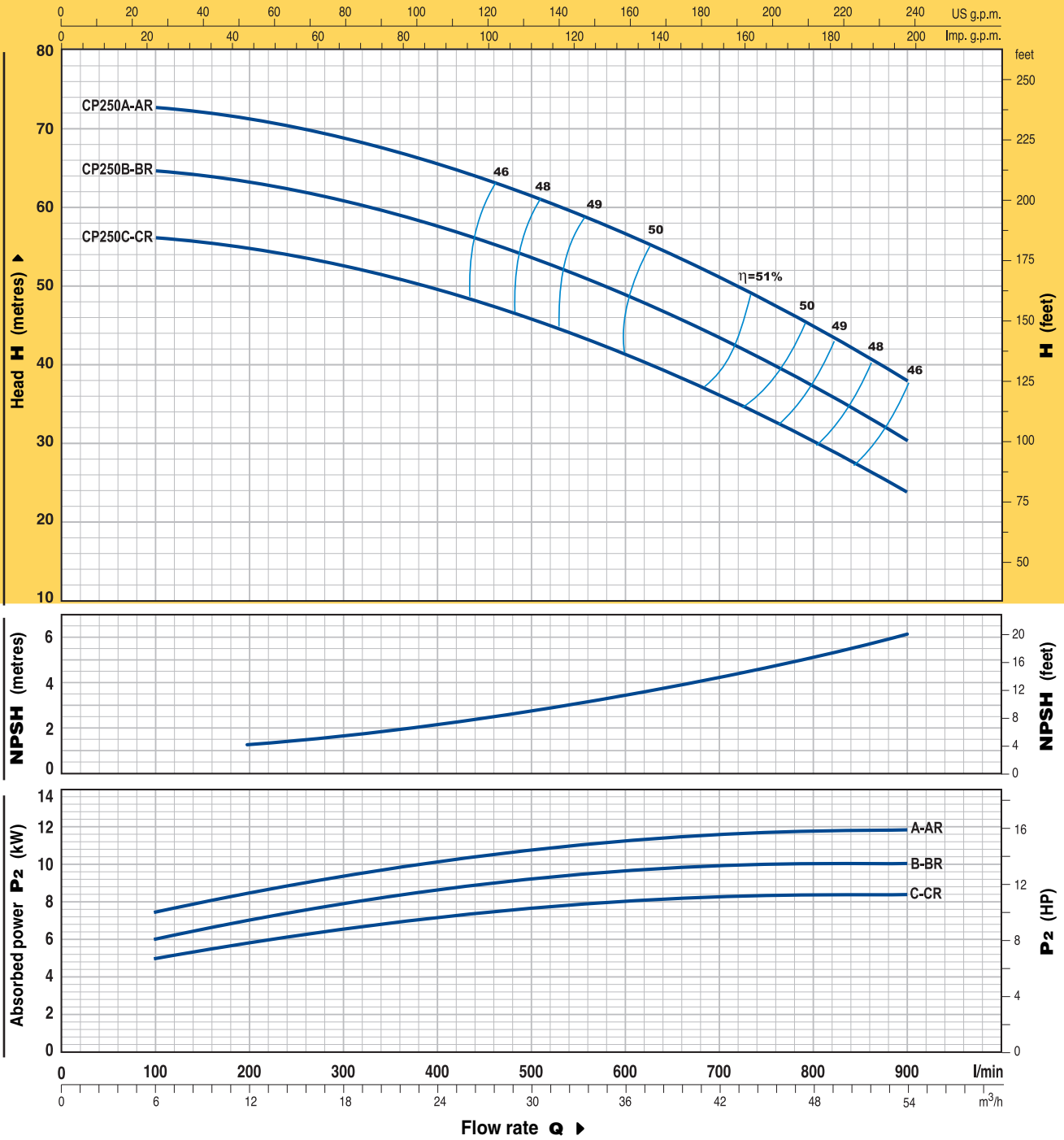
TYPE		POWER		Q	Flow rate																													
Single-phase	Three-phase	kW	HP		m³/h	0	6	12	18	24	30	36	42	48	51	54																		
CPm 230C	CP 230C	3	4	l/min	0	100	200	300	400	500	600	700	800	850	900																			
---	CP 230B	4	5.5	H metres	30	39	46	29.5	38.5	45.5	28.5	38	44.5	27	36	42	25	34	40	22	31	37	19.5	28	32.5	15.5	24	27.5	11.5	18.5	21.5	9	15	18
---	CP 230A	5.5	7.5		46	45.5	44.5	42	40	37	32.5	27.5	21.5	18	15																			

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

CP 250

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

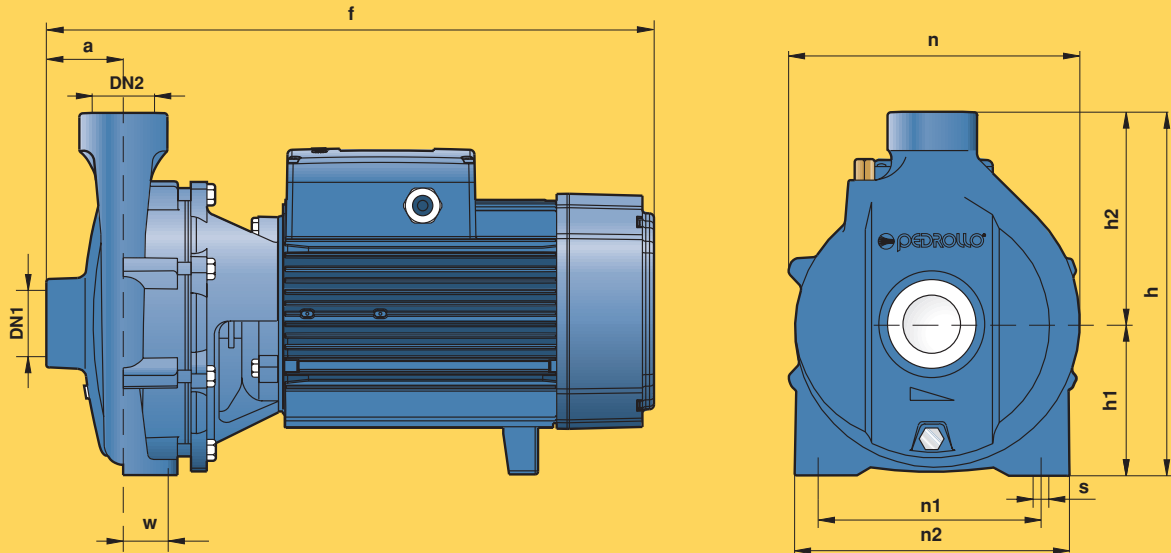


TYPE	POWER		Q	0	6	12	18	24	30	36	42	48	54
	kW	HP		0	100	200	300	400	500	600	700	800	900
Three-phase													
CP 250C	7.5	10	H metres	57	56	54.5	52.5	49.5	46	41.5	35.5	30	24
CP 250B	9.2	12.5		66	65	62.5	60	57	53	49	43.5	37.5	30
CP 250A	11	15		74	73	71	68	65	61	57	51	45	37
CP 250CR	7.5	10		57	56	54.5	52.5	49.5	46	41.5	35.5	30	24
CP 250BR	9.2	12.5		66	65	62.5	60	57	53	49	43.5	37.5	30
CP 250AR	11	15		74	73	71	68	65	61	57	51	45	37

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w	s	1~	3~
CPm 220C	CP 220C	2"	2"	70	421/402	315	132	183	255	170	230	40	14	33.3	30.5
CPm 220B	CP 220B				459/421	328/315	136/132	192/183	273/255	190/170	250/230			44.0	33.3
—	CP 220A				459	328	136	192	273	190	250			-	41.0
—	CP 220AH				505									-	47.6
CPm 230C	CP 230C				459/421	328/315	136/132	192/183	273/255	190/170	250/230			41.3	33.0
—	CP 230B				459	328	136	192	273	190	250			-	41.3
—	CP 230A			505	-							47.6			
—	CP 250C			507	65	392	160	232	322	230	294	45		-	74.0
—	CP 250B			571										-	96.0
—	CP 250A			534										-	103.0
—	CP 250CR	598	-	78.0											
—	CP 250BR	4"	3"	92	598	-	100.0								
—	CP 250AR					-	107.0								