



GENERAL CATALOGUE

 **PEDROLLO**[®]
... the spring of life



PEDROLLO S.p.A.

Via Enrico Fermi 7

37047 San Bonifacio (Verona) ITALY

paid-up capital € 40.000.000,00

Tel. +39 045 6136311

Fax +39 045 7614663



PERFORMANCE RANGE

- Flow rate up to **160 l/min** (9.6 m³/h)
- Head up to **58 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
(up to +40 for the version with the technopolymer impeller)
- Ambient temperature up to **+40 °C**
- Max. working pressure:
 - **6 bar** for CP 100-130-132-150-158
 - **10 bar** for CP 170-190-200
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

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



CERTIFICATIONS



AN30



YspTECT-003

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 reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered Community Design n° 406160-0001

OPTIONALS AVAILABLE ON REQUEST

- Pump with technopolymer impeller
- Special mechanical seal
- Other voltages or 60 Hz frequency
- IP55 class protection for CP 170, CP 170M

GUARANTEE

2 years subject to terms and conditions

www.famcocorp.com

E-mail: info@famcocorp.com

@famco_group

Tel: ۰۲۱-۴۸۰۰۰۰۴۹

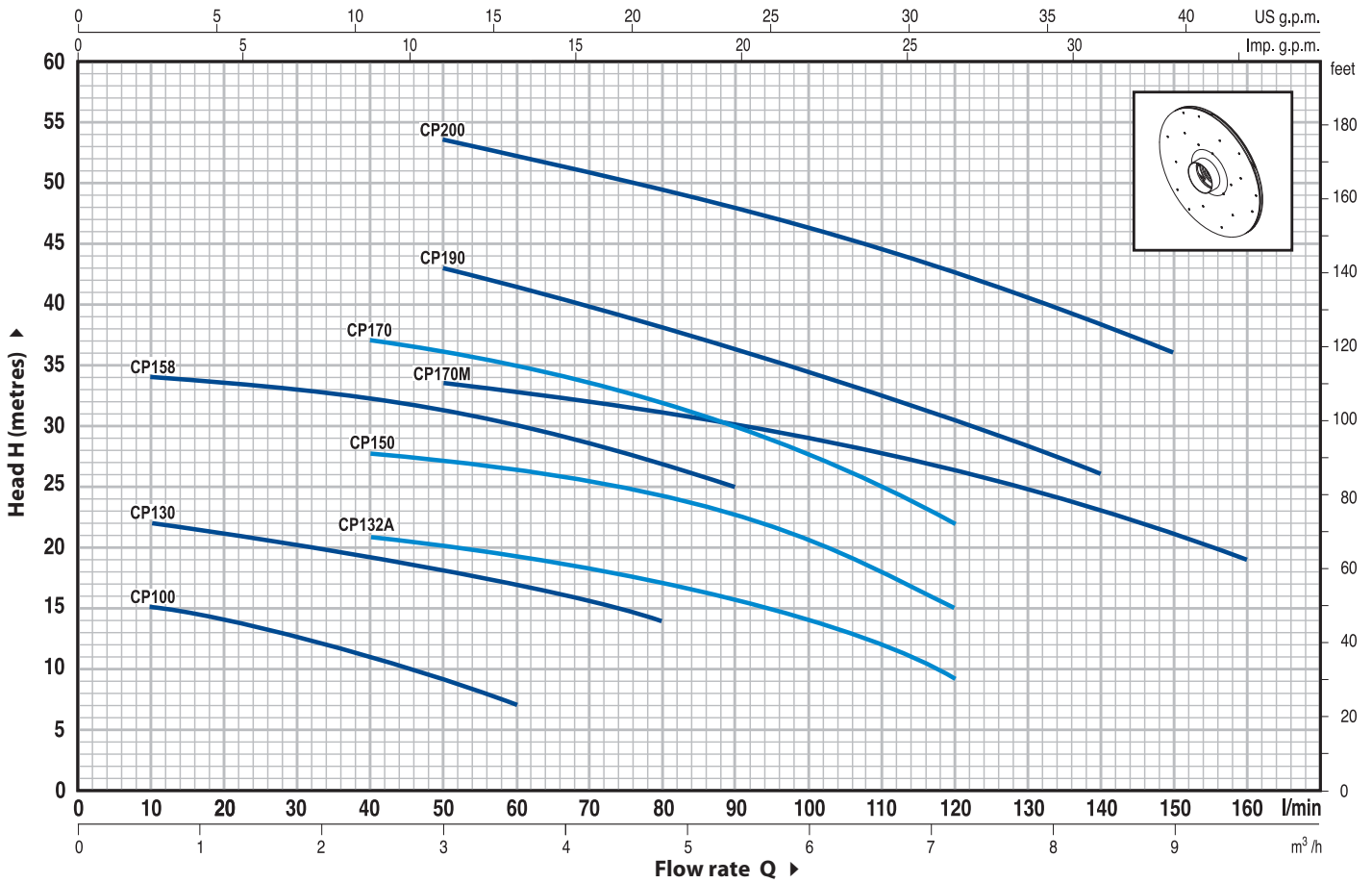
Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

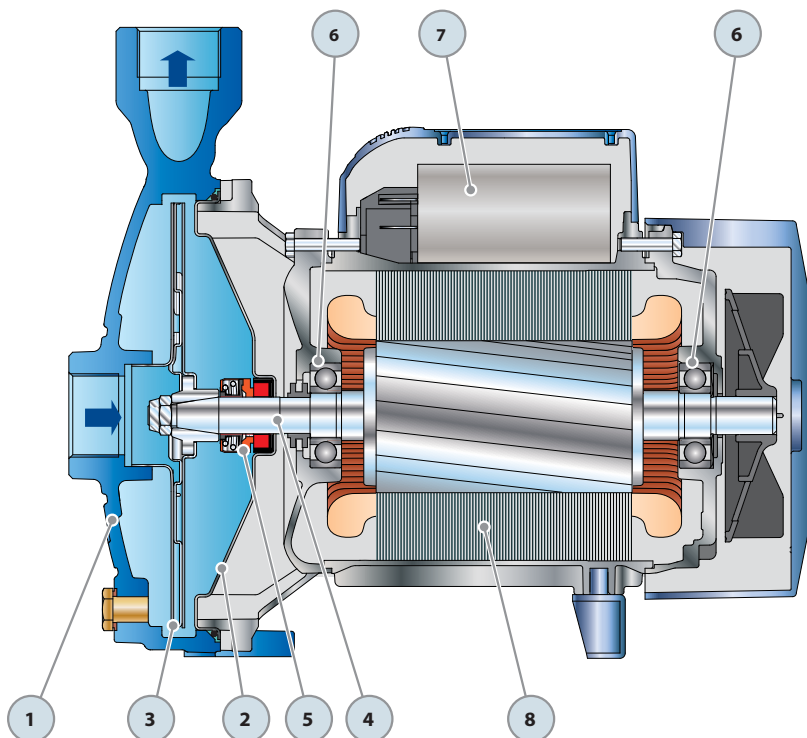


MODEL		POWER		Q	Flow rate																		
Single-phase	Three-phase	kW	HP		m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6	
				l/min	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160		
CPm 100	-	0.25	0.33	H metres	16	15	14	12.5	11	9	7												
CPm 130	CP 130	0.37	0.50		23	22	21	20	19	18	17	15.5	14										
CPm 132A	CP 132A	0.60	0.85		23	-	22	21.5	21	20	19	18	17	16	14	12	9						
CPm 150	CP 150	0.75	1		29.5	-	29	28.5	28	27.5	26.5	26	24.5	23	21	18	15						
CPm 158	CP 158	0.75	1		36	34	33.5	33	32.5	31.5	30	28.5	27	25									
CPm 170	CP 170	1.1	1.5		41	-	-	38	37	36	35	33.5	32	30	27.5	25	22						
CPm 170M	CP 170M	1.1	1.5		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		50	-	-	46	44.5	43	41.5	40	38	36	34.5	32.5	30.5	28	26				
-	CP 200	2.2	3		58	-	-	55	54.5	53.5	52	51	49.5	48	46	44.5	42.5	40.5	38.5	36			

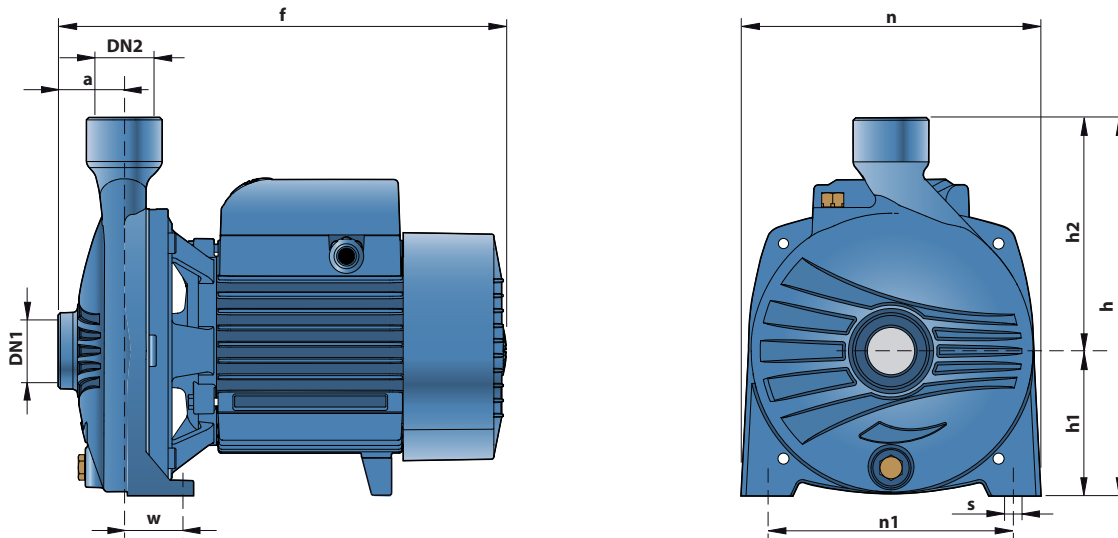
Q = Flow rate H = Total manometric head HS = Suction height

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 (cast iron for CP 190-200)					
3	IMPELLER	Stainless steel AISI 304					
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104					
5	MECHANICAL SEAL	Pump	Seal	Shaft	Materials		
		<i>Model</i>	<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		CP 100-130-132A	AR-12	Ø 12 mm	Ceramic	Graphite	NBR
		CP 150-158	AR-14	Ø 14 mm	Ceramic	Graphite	NBR
CP 170-170M-190-200	FN-18	Ø 18 mm	Graphite	Ceramic	NBR		
6	BEARINGS	Pump	Model				
		CP 100-130-132A	6201 ZZ / 6201 ZZ				
		CP 150-158	6203 ZZ / 6203 ZZ				
		CP 170-170M	6204 ZZ / 6204 ZZ				
		CP 190-200	6304 ZZ / 6204 ZZ				
7	CAPACITOR	Pump	Capacitance				
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>			
		CPm 100	10 µF 450 VL	25 µF 250 VL			
		CPm 130	10 µF 450 VL	30 µF 250 VL			
		CPm 132A	14 µF 450 VL	30 µF 250 VL			
		CPm 150-158	20 µF 450 VL	60 µF 300 VL			
		CPm 170-170M	25 µF 450 VL	60 µF 250 VL			
		CPm 190	45 µF 450 VL	80 µF 250 VL			
8	ELECTRIC MOTOR	CPm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.					
		CP: three-phase 230/400 V - 50 Hz.					
		<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. 					



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~
CPm 100	-	1"	1"	42	259	192	82	110	165	135	41	10	6.9	-
CPm 130	CP 130					205	82	123					7.6	7.1
CPm 132A	CP 132A					205	82	123					8.3	8.0
CPm 150	CP 150				285	92	148	12.4	11.4					
CPm 158	CP 158	1 1/4"	1"	51	367	240	110	150	206	165	44.5	11	12.0	11.0
CPm 170 - 170M	CP 170 - 170M					260	110	150					17.8	17.2
CPm 190	CP 190				364	115	175	242	206	32.5	-		22.3	21.3
-	CP 200	-	-	-	-	-	-	-	-	-	-	-	-	22.5

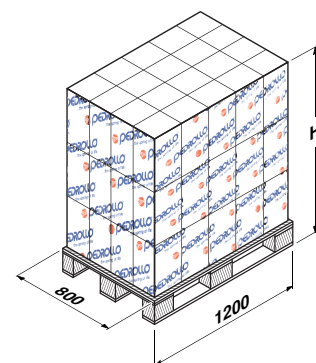
ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
Single-phase	230 V	240 V	110 V
CPm 100	1.9 A	1.55 A	3.3 A
CPm 130	3.2 A	2.9 A	6.4 A
CPm 132A	3.5 A	3.2 A	7.0 A
CPm 150	5.7 A	5.4 A	11.4 A
CPm 158	6.0 A	5.8 A	12.0 A
CPm 170 - 170M	7.8 A	7.2 A	16.0 A
CPm 190	11.0 A	10.0 A	22.0 A

MODEL	VOLTAGE (three-phase)			
	230 V	400 V	240 V	415 V
Three-phase	230 V	400 V	240 V	415 V
CP 130	2.0 A	1.2 A	1.8 A	1.1 A
CP 132A	2.9 A	1.7 A	2.4 A	1.4 A
CP 150	4.2 A	2.4 A	4.1 A	2.4 A
CP 158	4.4 A	2.5 A	4.3 A	2.5 A
CP 170 - 170M	5.2 A	3.0 A	5.1 A	2.9 A
CP 190	7.5 A	4.3 A	7.3 A	4.2 A
CP 200	9.0 A	5.2 A	8.3 A	4.8 A

PALLETIZATION

MODEL		GROUPAGE			CONTAINER				
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
CPm 100	-	105	1280	741	-	189	2190	1321	-
CPm 130	CP 130	105	1280	820	770	189	2190	1460	1360
CPm 132A	CP 132A	105	1280	890	860	189	2190	1590	1530
CPm 150	CP 150	70	1450	890	820	112	2240	1410	1300
CPm 158	CP 158	70	1450	860	790	112	2240	1360	1250
CPm 170	CP 170	50	1560	900	870	70	2120	1250	1200
CPm 170M	CP 170M	50	1560	940	910	70	2120	1310	1260
CPm 190	CP 190	36	1410	820	790	54	2040	1220	1170
-	CP 200	36	1410	-	830	54	2040	-	1240





PERFORMANCE RANGE

- Flow rate up to **900 l/min** (54 m³/h)
- Head up to **74 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature between **-10 °C** and **+40 °C**
- Max. working pressure **10 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

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



CERTIFICATIONS



AN30



VspTECT-003

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 reliability and the fact that they are easy to use, these pumps are widely used in civil, agricultural and industrial applications such as for supplying water, in conditioning and cooling systems, for irrigation, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered Italian model n° 72753

OPTIONALS AVAILABLE ON REQUEST

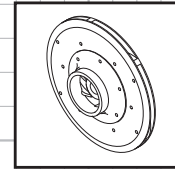
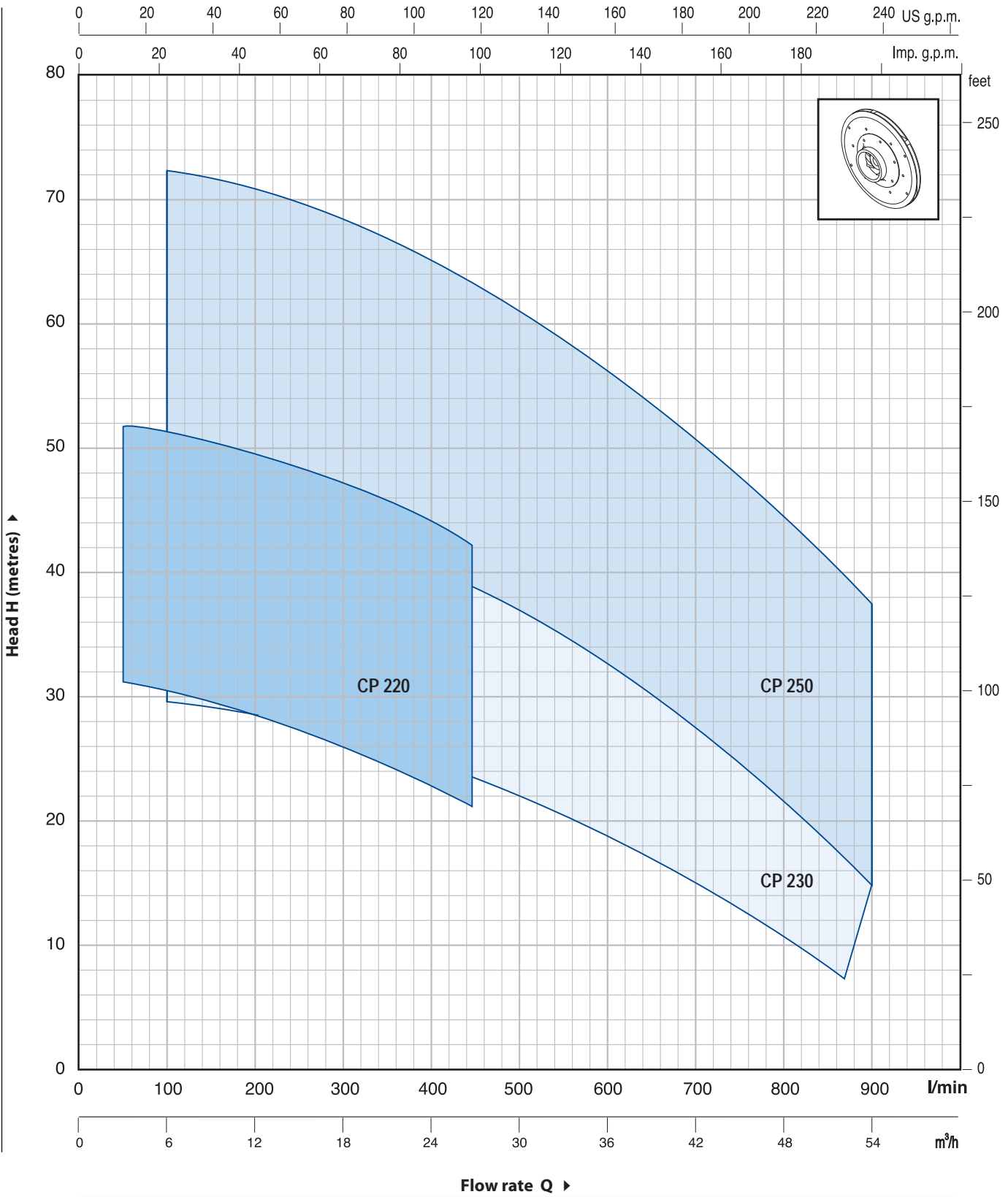
- Special mechanical seal
- EN 10088-3 - 1.4401 (AISI 316) stainless steel motor shaft
- Other voltages or 60 Hz frequency
- IP55 class protection

GUARANTEE

2 years subject to terms and conditions

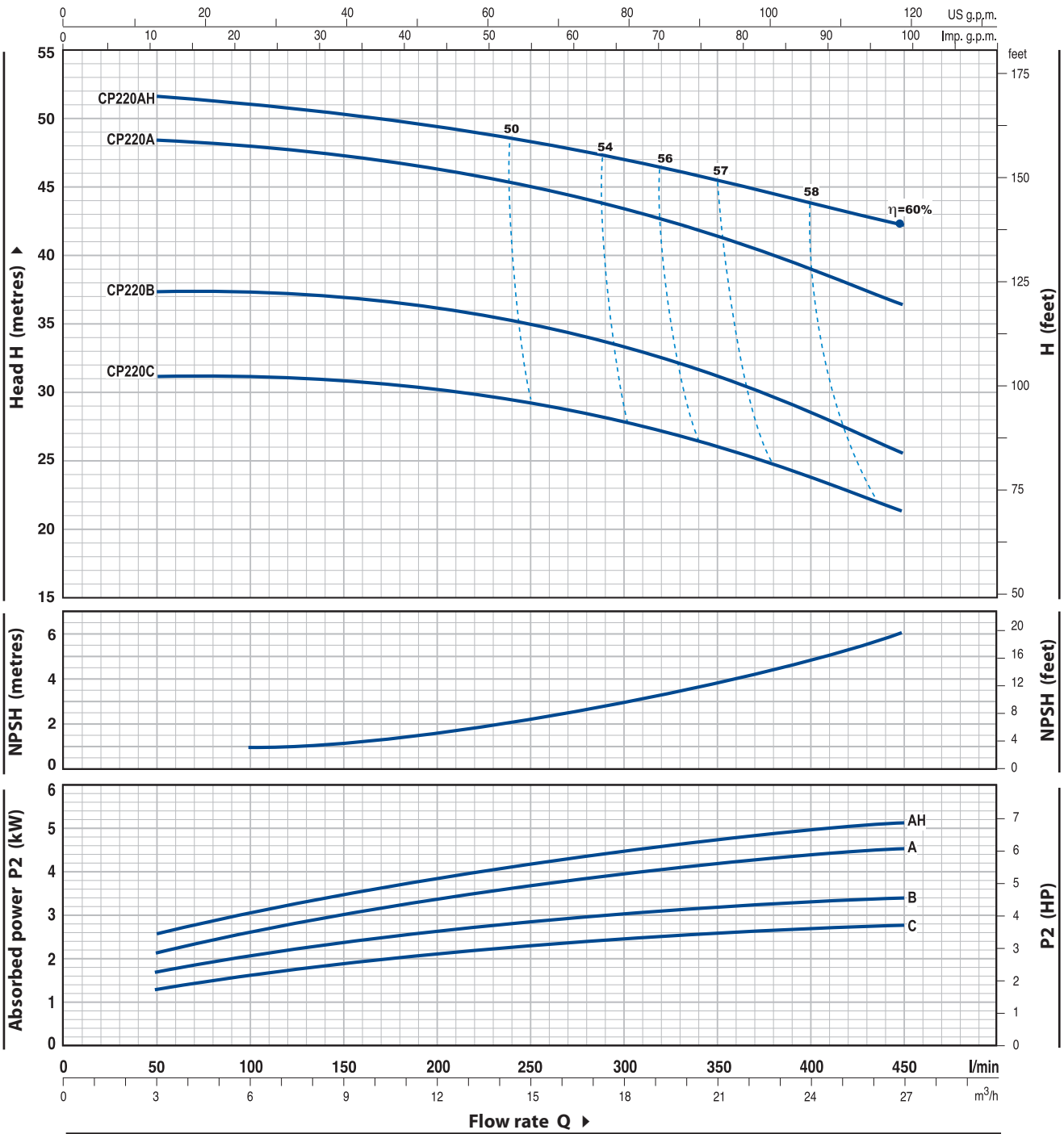
PERFORMANCE RANGE

50 Hz n= 2900 1/min HS= 0 m



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		m ³ /h	0	3	6	12	18	24
	CP 220C	2.2	3	0	0	50	100	200	300	400	450
-	CP 220B	3	4	32	31.5	31	30	28	24	21	
-	CP 220A	4	5.5	38	37.5	37	36	33.5	29	25	
-	CP 220AH	5.5	7.5	49	48.5	48	46	43.5	39.5	36	
				52	51.5	51	49	47	44	42	

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

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

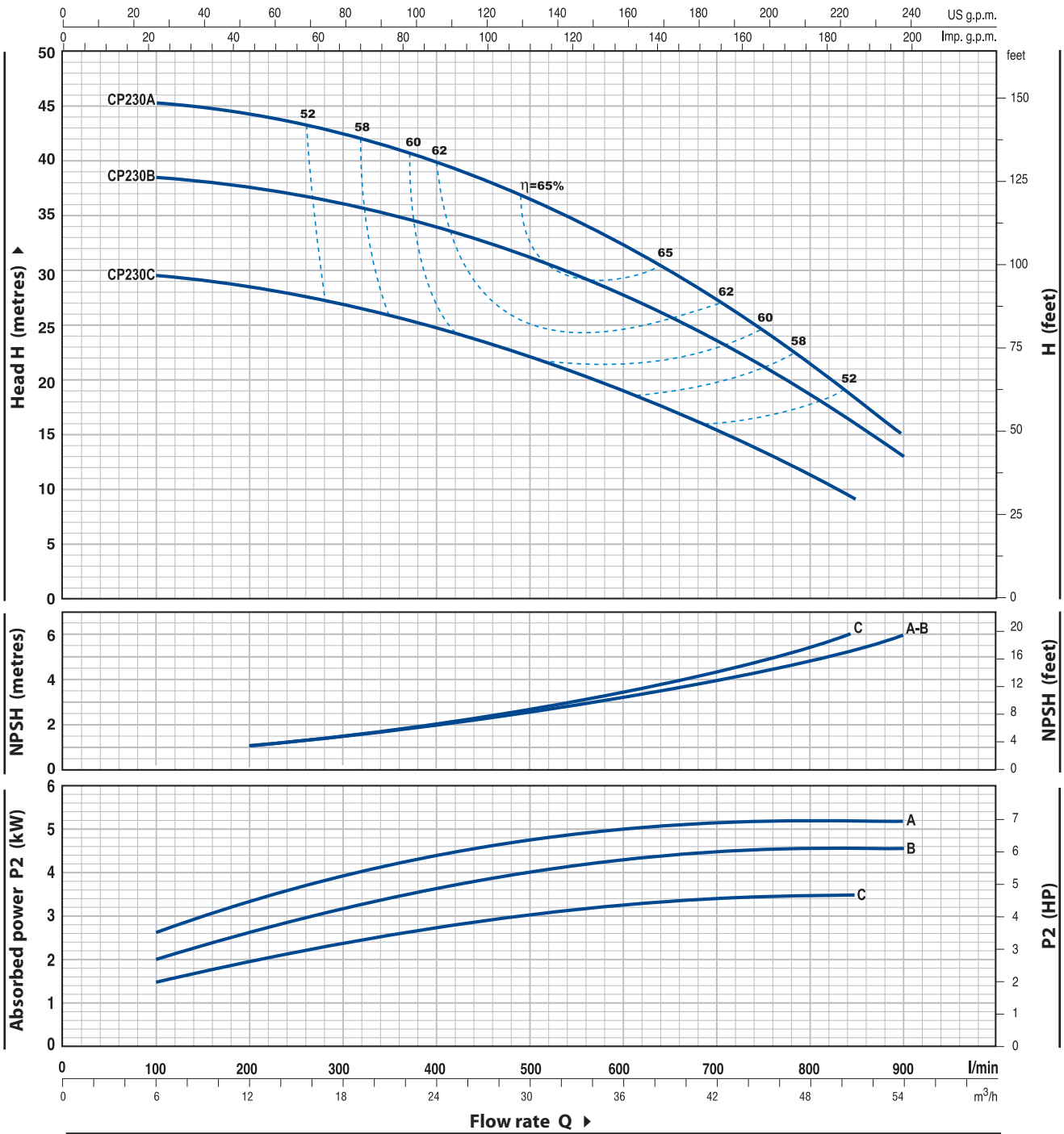
www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel: ۰۲۱-۴۸۰۰۰۰۴۹
Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



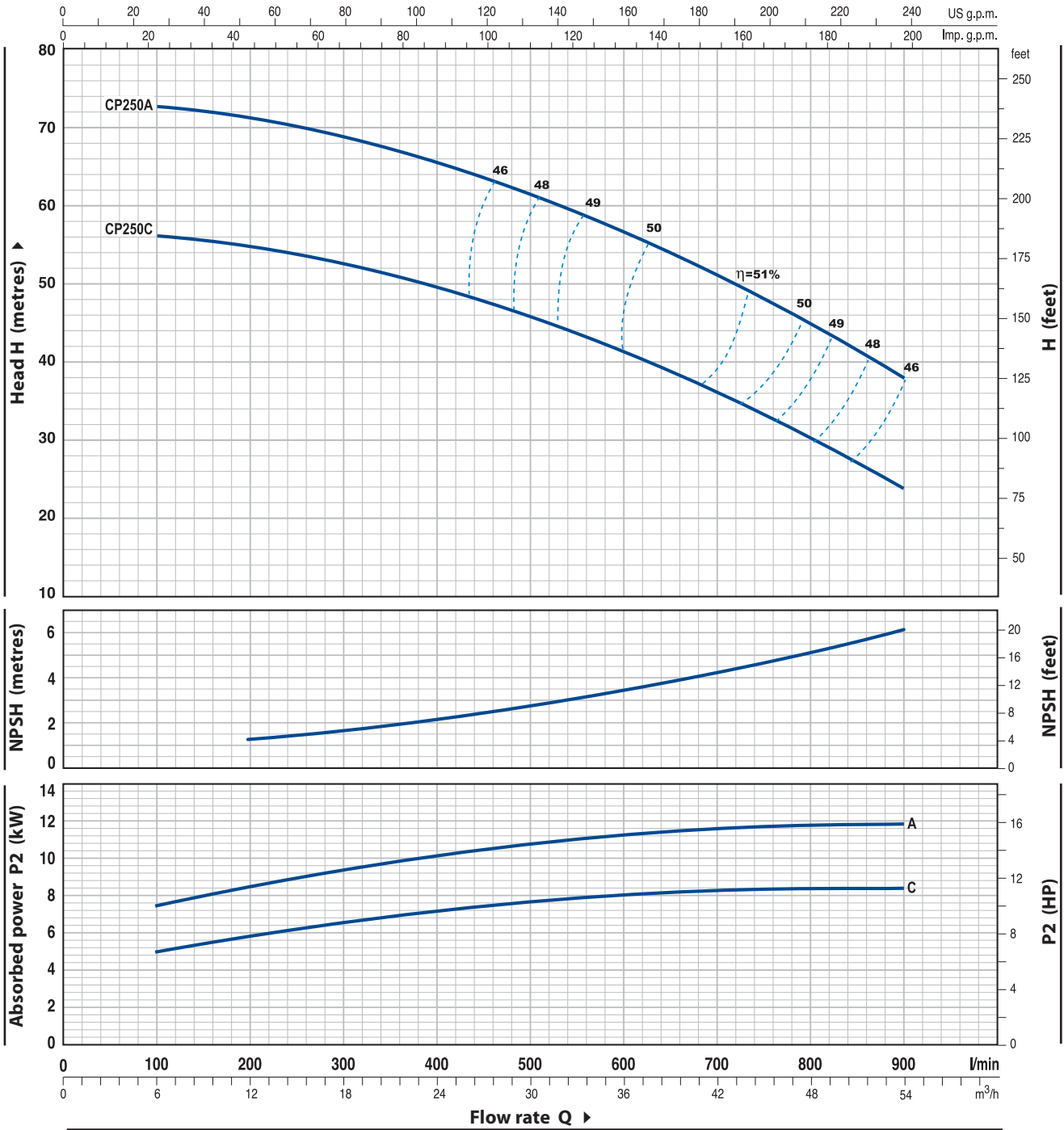
MODEL	POWER		Q	Flow rate												
	kW	HP		m ³ /h	0	6	12	18	24	30	36	42	48	51	54	
Three-phase			l/min	0	100	200	300	400	500	600	700	800	850	900		
CP 230C	3	4	H metres	30	29.5	28.5	27	25	22	19.5	15.5	11.5	9			
CP 230B	4	5.5		39	38.5	38	36	34	31	28	24	18.5	15	13		
CP 230A	5.5	7.5		46	45.5	44.5	42	40	37	32.5	27.5	21.5	18	15		

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



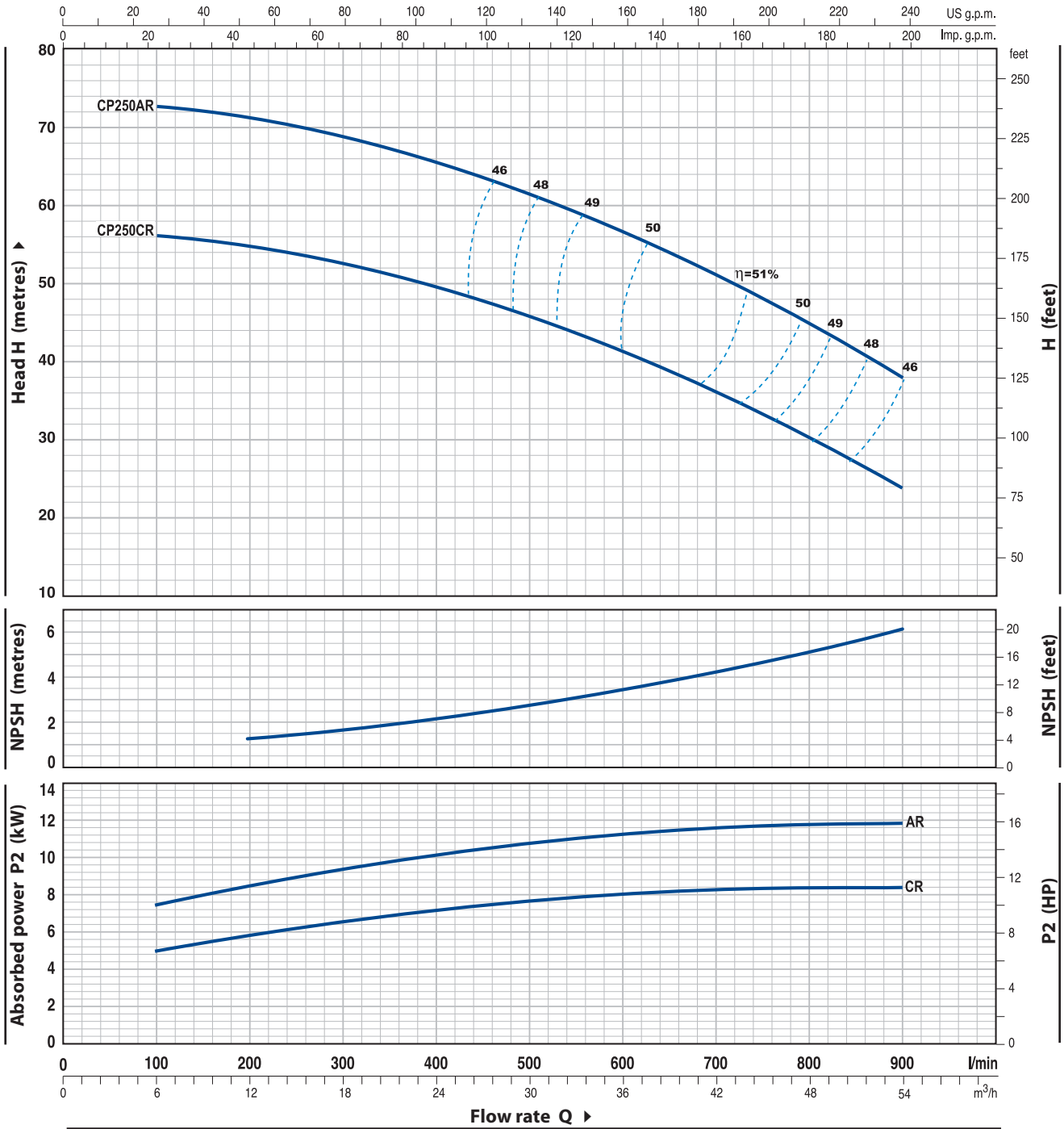
MODEL	POWER		Q	Flow rate											
	kW	HP		m ³ /h	0	6	12	18	24	30	36	42	48	54	
Three-phase			l/min	0	100	200	300	400	500	600	700	800	900		
CP 250C	7.5	10	H metres	57	56	54.5	52.5	49.5	46	41.5	35.5	30	24		
CP 250A	11	15		74	73	71	68	65	61	57	51	45	37		

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

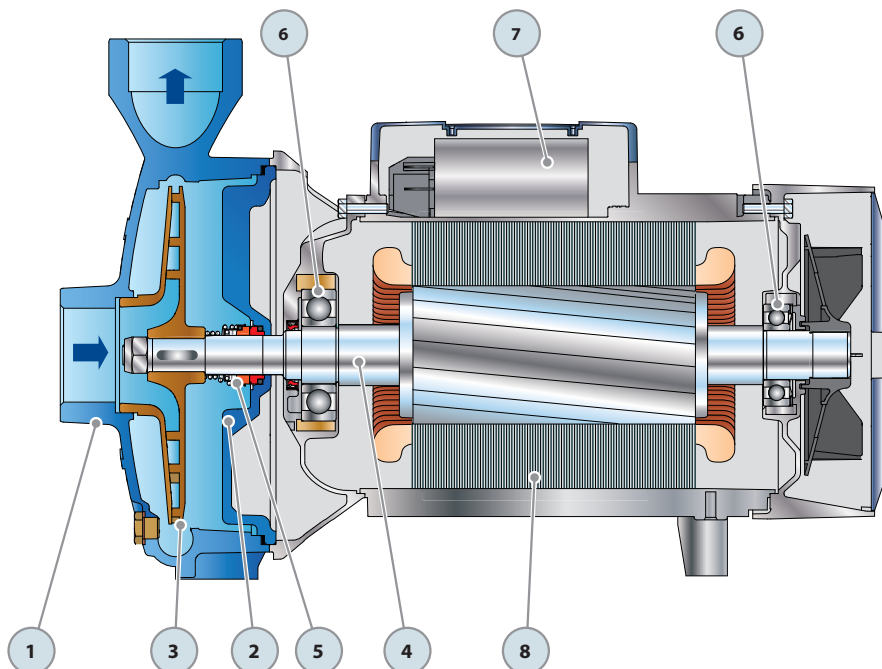


MODEL	POWER		Q	Flow rate												
	kW	HP		m ³ /h	0	6	12	18	24	30	36	42	48	54		
Three-phase			l/min	0	100	200	300	400	500	600	700	800	900			
CP 250CR	7.5	10	H metres	57	56	54.5	52.5	49.5	46	41.5	35.5	30	24			
CP 250AR	11	15		74	73	71	68	65	61	57	51	45	37			

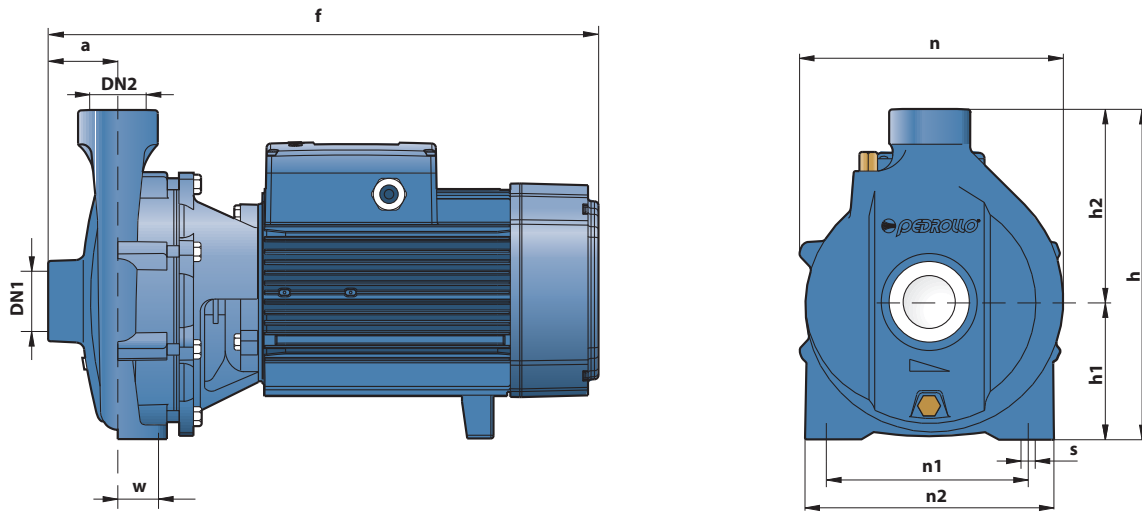
Q = Flow rate H = Total manometric head HS = Suction height

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	Cast iron					
3	IMPELLER	Brass for CP 220, CP 230 Cast iron for CP 250					
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104					
5	MECHANICAL SEAL	<i>Pump Model</i>	<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		CP 220C-B CP 230C	FN-20	Ø 20 mm	Graphite	Ceramic	NBR
		CP 220A-AH CP 230B-A CP 250C-CR	FN-24	Ø 24 mm	Graphite	Ceramic	NBR
		CP 250A-AR	FN-32 NU	Ø 32 mm	Graphite	Ceramic	NBR
		6	BEARINGS	<i>Pump Model</i>	<i>Model</i>		
		CP 220C	6206 ZZ - C3 / 6204 ZZ				
		CPm 220C					
		CP 220B CP 230C	6206 ZZ - C3 / 6205 ZZ				
		CP 220A-AH CP 230B-A CP 250C-CR	6307 ZZ - C3 / 6206 ZZ - C3				
		CP 250A-AR	6310 ZZ - C3 / 6308 ZZ - C3				
7	CAPACITOR	<i>Pump Single-phase</i>	<i>Capacitance (230 V or 240 V)</i>				
		CPm 220C	70 µF 450 VL				
8	ELECTRIC MOTOR	<p>CPm: single-phase 230 V - 50 Hz. CP: three-phase 230/400 V - 50 Hz up to 4 kW. 400/690 V - 50 Hz from 5.5 to 11 kW.</p> <p>➔ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance</p> <p>- Insulation: F class. - Protection: IP 44.</p>					



DIMENSIONS AND WEIGHT



MODEL		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	426/409	315	132	183	255	170	230	40	14	-	-										
-	CP 220B				426											-	31.5	28.5							
-	CP 220A				460											-	-	31.9							
-	CP 220AH				505											-	-	41.0							
-	CP 230C				426											-	328	136	192	273	190	250	-	46.0	
-	CP 230B				460											-	328	136	192	273	190	250	-	31.5	
-	CP 230A				505											-	328	136	192	273	190	250	-	41.0	
-	CP 250C				507											-	392	160	232	322	230	294	45	-	74.0
-	CP 250A				571											-	392	160	232	322	230	294	45	-	103.0
-	CP 250CR				534											-	92	534	-	-	-	-	-	-	-
-	CP 250AR	598	3"	92	598	-	-	-	-	-	-	-	-	-	107.0										

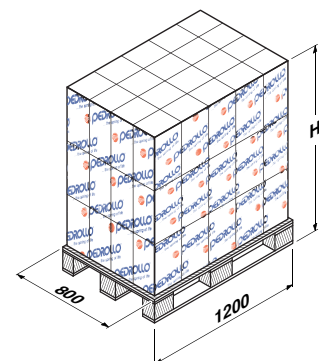
ABSORPTION

MODEL	VOLTAGE (single-phase)	
Single-phase	230 V	240 V
CPm 220C	15.8 A	15.0 A

MODEL	VOLTAGE (three-phase)					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
CP 220C	11.4 A	6.6 A	3.8 A	10.7 A	6.2 A	3.6 A
CP 220B	12.6 A	7.3 A	4.2 A	12.0 A	7.0 A	4.0 A
CP 220A	17.0 A	9.8 A	5.7 A	16.5 A	9.5 A	5.5 A
CP 220AH	20.0 A	11.5 A	6.7 A	21.0 A	12.0 A	6.9 A
CP 230C	13.2 A	7.6 A	4.4 A	11.1 A	6.4 A	3.7 A
CP 230B	16.8 A	9.7 A	5.6 A	16.2 A	9.4 A	5.4 A
CP 230A	20.0 A	11.5 A	6.7 A	19.2 A	11.0 A	6.4 A
CP 250C-CR	28.6 A	16.5 A	9.5 A	27.5 A	16.0 A	9.3 A
CP 250A-AR	40.8 A	23.6 A	13.7 A	40.8 A	23.6 A	13.7 A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
CPm 220C	CP 220C	18	1220	590	530	24	1580	780	700
-	CP 220B	18	1180	-	600	24	1520	-	790
-	CP 220A	18	1430	-	760	24	1860	-	1000
-	CP 220AH	12	1430	-	570	16	1860	-	760
-	CP 230C	18	1200	-	590	24	1550	-	780
-	CP 230B	18	1430	-	760	24	1860	-	1000
-	CP 230A	12	1430	-	570	16	1860	-	760
-	CP 250C	6	1180	-	460	-	-	-	-
-	CP 250A	6	1180	-	640	-	-	-	-
-	CP 250CR	6	1180	-	490	-	-	-	-
-	CP 250AR	6	1180	-	660	-	-	-	-





PERFORMANCE RANGE

- Flow rate up to **250 l/min** (15 m³/h)
- Head up to **57 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature between **-10 °C** and **+40 °C**
- Max. working pressure **10 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

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. The pumps in this series are specifically intended for use in the civil, industrial and agricultural sectors where their overriding characteristics of sturdiness and reliability are best appreciated. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

OPTIONALS AVAILABLE ON REQUEST

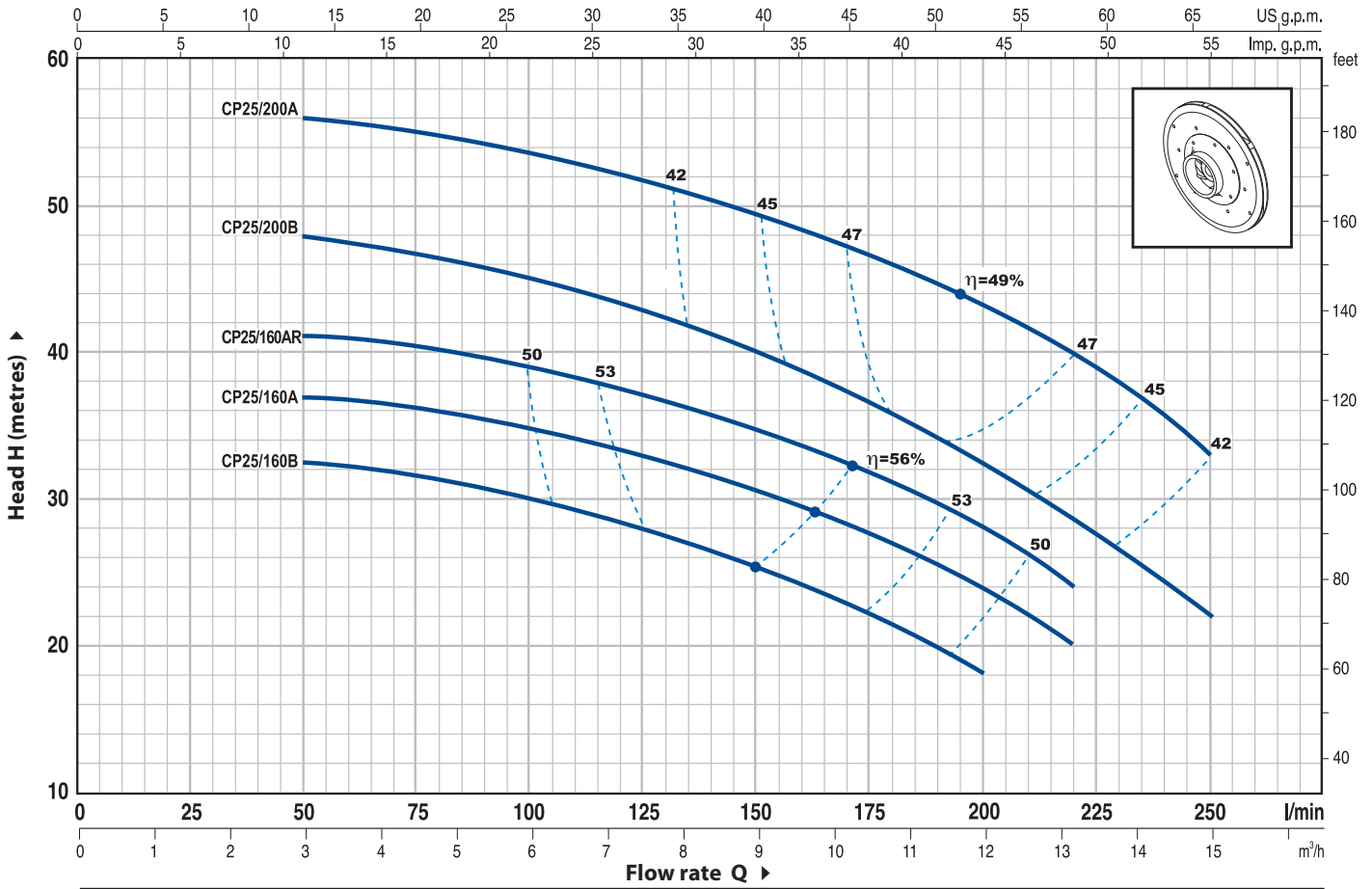
- Special mechanical seal
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

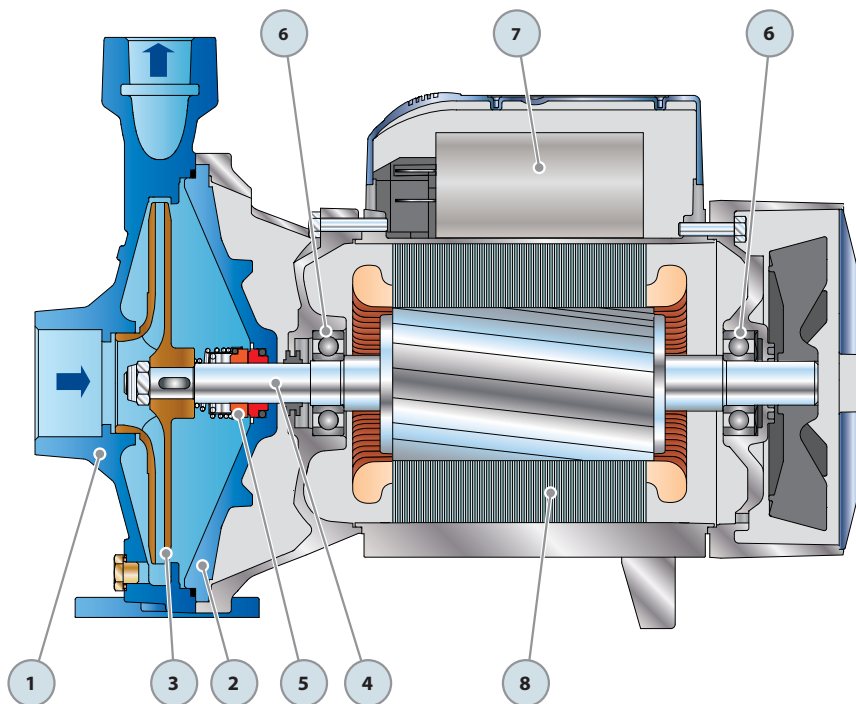


MODEL		POWER		Q	H metres																		
Single-phase	Three-phase	kW	HP		0	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.5	8.4	9.6	10.8	12.0	13.2	15.0				
				l/min	0	50	60	70	80	90	100	110	125	140	160	180	200	220	250				
CPm 25/160B	CP 25/160B	1.1	1.5	H metres	33	32.5	32	31.5	31	30.5	30	29	28	26.5	24	21.5	18						
CPm 25/160A	CP 25/160A	1.5	2		38	37	36.8	36.5	36	35.5	35	34	33	31.5	29.5	27	24	20					
-	CP 25/160AR	2.2	3		42	41	41	40.5	40	39.5	39	38	37	36	34	31	28	24					
CPm 25/200B	CP 25/200B	2.2	3		49	48	47.5	47	46.5	45.5	45	44	43	41	38.5	36	32	28	22				
-	CP 25/200A	3	4		57	56	55.8	55.5	55	54.5	53.5	53	52	50.5	48.5	46	43.5	40	33				

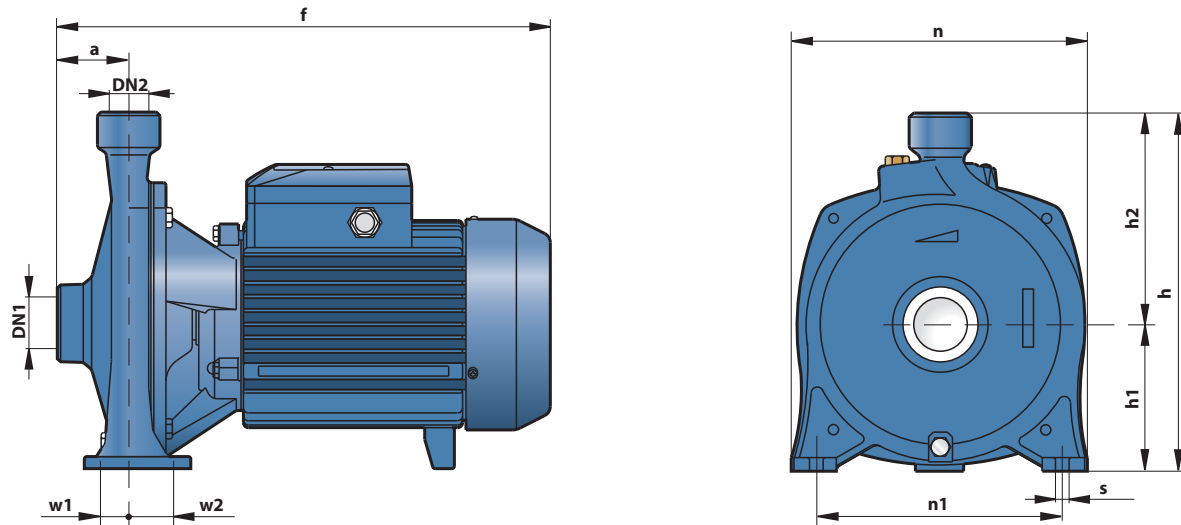
Q = Flow rate H = Total manometric head HS = Suction height

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

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS					
1	PUMP BODY	Cast iron, made to EN 733 standards, complete with threaded ports in compliance with ISO 228/1					
2	BODY BACKPLATE	Cast iron					
3	IMPELLER	Brass					
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104					
5	MECHANICAL SEAL	<i>Pump</i>	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>		
		<i>Model</i>	<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		CP 25/160	FN-18	Ø 18 mm	Graphite	Ceramic	NBR
		CP 25/200	FN-24	Ø 24 mm	Graphite	Ceramic	NBR
6	BEARINGS	<i>Pump</i>	<i>Model</i>				
		CP 25/160	6204 ZZ / 6204 ZZ				
		CP 25/200	6206 ZZ - C3 / 6205 ZZ				
7	CAPACITOR	<i>Pump</i>	<i>Capacitance</i>				
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>		<i>(110 V)</i>		
		CPm 25/160B	31.5 µF 450 VL		60 µF 250 VL		
		CPm 25/160A	45 µF 450 VL		80 µF 250 VL		
		CPm 25/200B	70 µF 450 VL		-		
8	ELECTRIC MOTOR	<p>CPm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding (up to 1.5 kW). CP: 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> <p>- Insulation: F class. - Protection: IP 44.</p>					



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w1	w2	s	1~	3~
CPm 25/160B	CP 25/160B	1½"	1"	56	375	260	105	155	206	150	27.5	27.5	10	20.0	18.0
CPm 25/160A	CP 25/160A													21.3	21.3
-	CP 25/160AR													-	21.3
CPm 25/200B	CP 25/200B			60	390/365	305	125	180	252	210	23.5	39.5	11	28.5	30.7
-	CP 25/200A				390									-	30.9

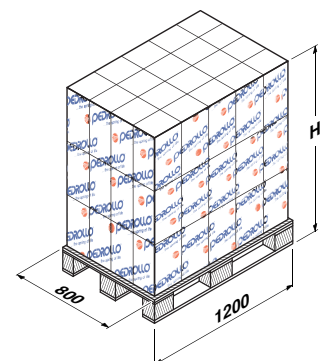
ABSORPTION

MODEL	VOLTAGE (single-phase)		
Single-phase	230 V	240 V	110 V
CPm 25/160B	8.5 A	7.8 A	17.0 A
CPm 25/160A	9.8 A	8.9 A	19.6 A
CPm 25/200B	13.4 A	13.0 A	-

MODEL	VOLTAGE (three-phase)					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
CP 25/160B	5.7 A	3.3 A	1.9 A	5.2 A	3.0 A	1.7 A
CP 25/160A	7.3 A	4.2 A	2.4 A	6.7 A	3.9 A	2.3 A
CP 25/160AR	8.9 A	5.1 A	3.0 A	8.3 A	4.8 A	2.8 A
CP 25/200B	10.5 A	6.0 A	3.5 A	9.6 A	5.6 A	3.3 A
CP 25/200A	12.4 A	7.2 A	4.2 A	11.0 A	6.4 A	3.7 A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
CPm 25/160B	CP 25/160B	50	1560	1020	920	70	2130	1420	1280
CPm 25/160A	CP 25/160A	50	1560	1090	1040	70	2130	1510	1440
-	CP 25/160AR	50	1560	-	1090	70	2130	-	1510
CPm 25/200B	CP 25/200B	18	1190	530	570	-	-	-	-
-	CP 25/200A	18	1210	-	580	-	-	-	-





PERFORMANCE RANGE

- Flow rate up to **450 l/min** (27 m³/h)
- Head up to **112 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
(up to +40 for the version with the technopolymer impeller)
- Ambient temperature between **-10 °C** and **+40 °C**
- Max. working pressure **10 bar**
(**6 bar** for 2CP25/130N)
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

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. The high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors; in particular for the distribution of water in combination with pressure sets, for pressure boosting and in fire-fighting sets.

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

OPTIONALS AVAILABLE ON REQUEST

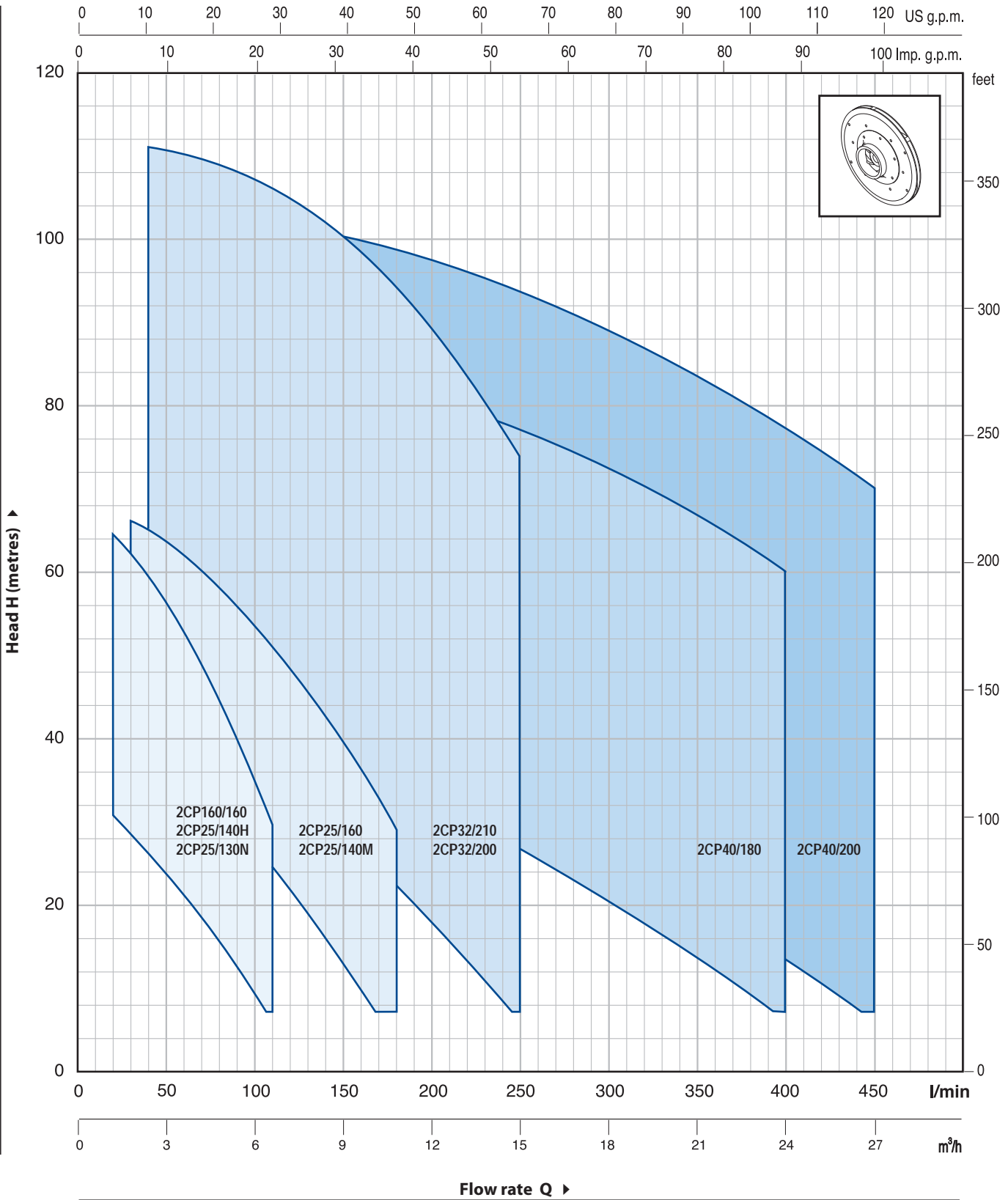
- Pumps with technopolymer impeller
- Special mechanical seal
- Other voltages or 60 Hz frequency
- IP55 class protection for:
 - 2CP32/200, - 2CP40/180,
 - 2CP32/210, - 2CP40/200

GUARANTEE

2 years subject to terms and conditions

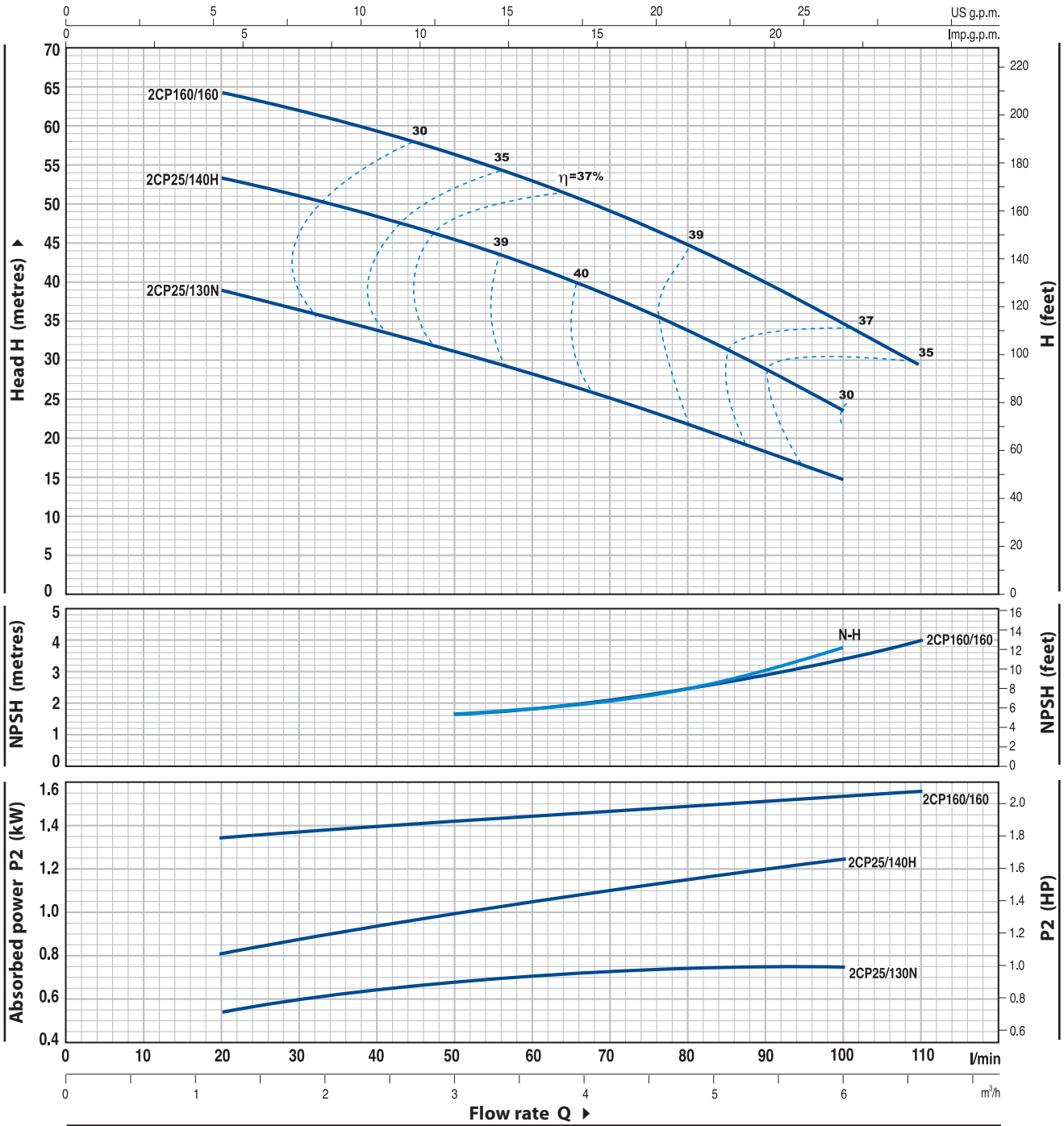
PERFORMANCE RANGE

50 Hz n= 2900 1/min HS= 0 m



CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



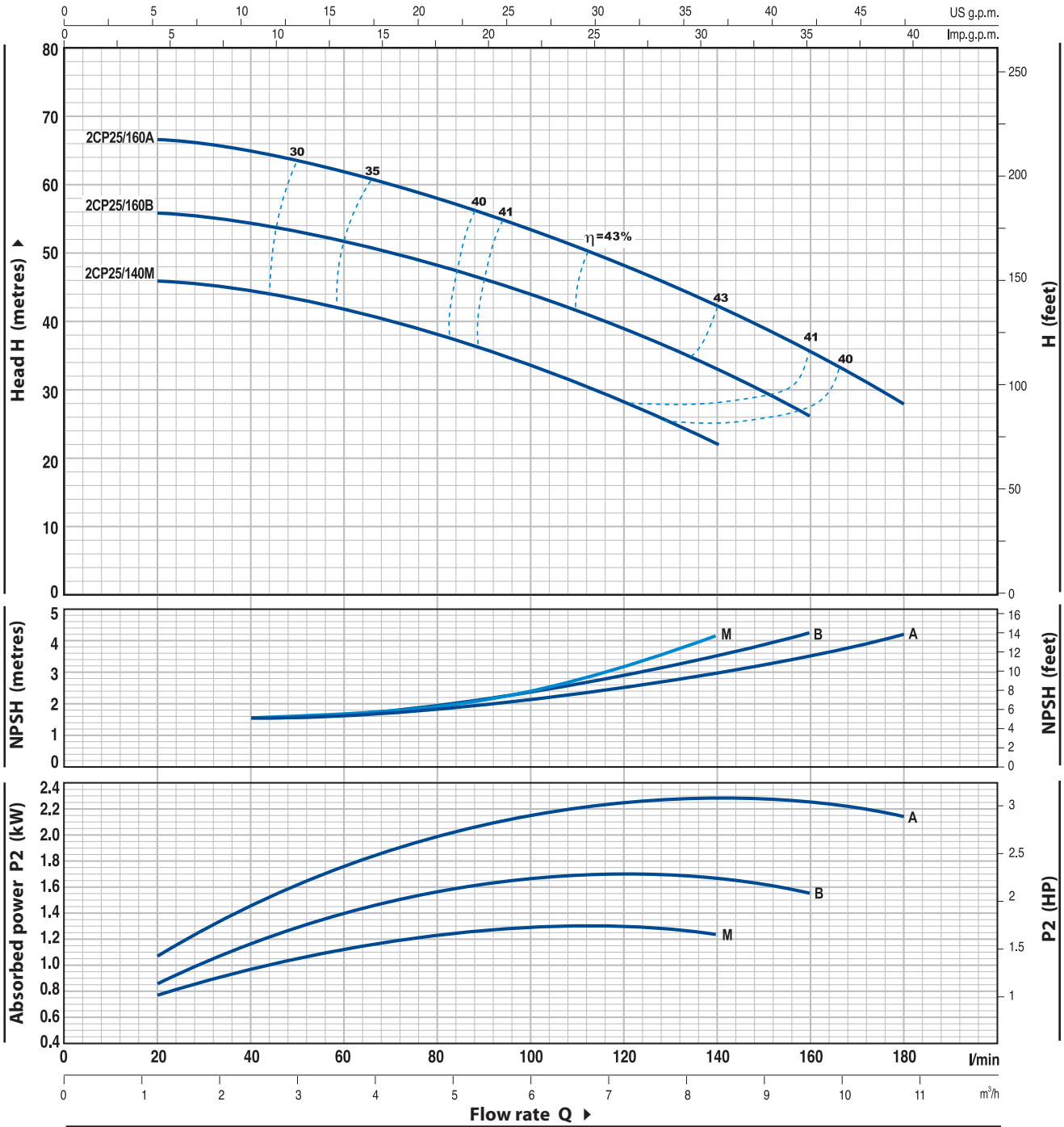
MODEL		POWER		Q	Flow rate												
Single-phase	Three-phase	kW	HP		m³/h	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	
				l/min	0	20	30	40	50	60	70	80	90	100	110		
2CPm 25/130N	2CP 25/130N	0.75	1	H metres	42	39	37	34	31	28.5	25.5	22	18	15			
2CPm 25/140H	2CP 25/140H	1.1	1.5		54	53	51	49	46	42	38	34	29	24			
2CPm 160/160	2CP 160/160	1.5	2		66	64	62	60	57	53	49	44	39.5	35	30		

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



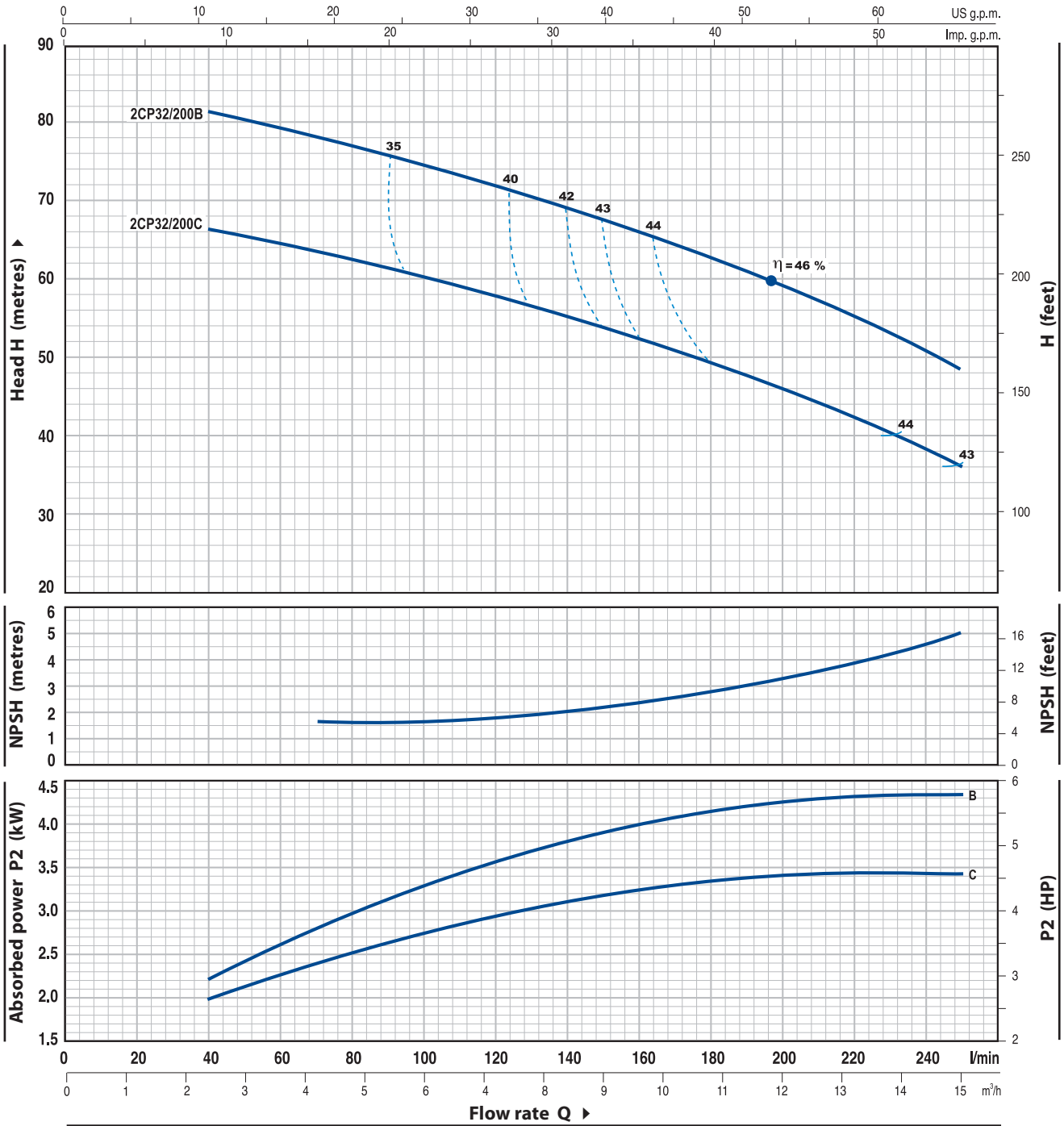
MODEL		POWER		Q	Flow rate																
Single-phase	Three-phase	kW	HP		m³/h	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.5	8.4	9.6	10.8	
				l/min	0	20	30	40	50	60	70	80	90	100	110	125	140	160	180		
2CPm 25/140M	2CP 25/140M	1.1	1.5	H metres	47	46	45.5	44	43	42	41	38	36	34	31	27	22				
2CPm 25/160B	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		

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



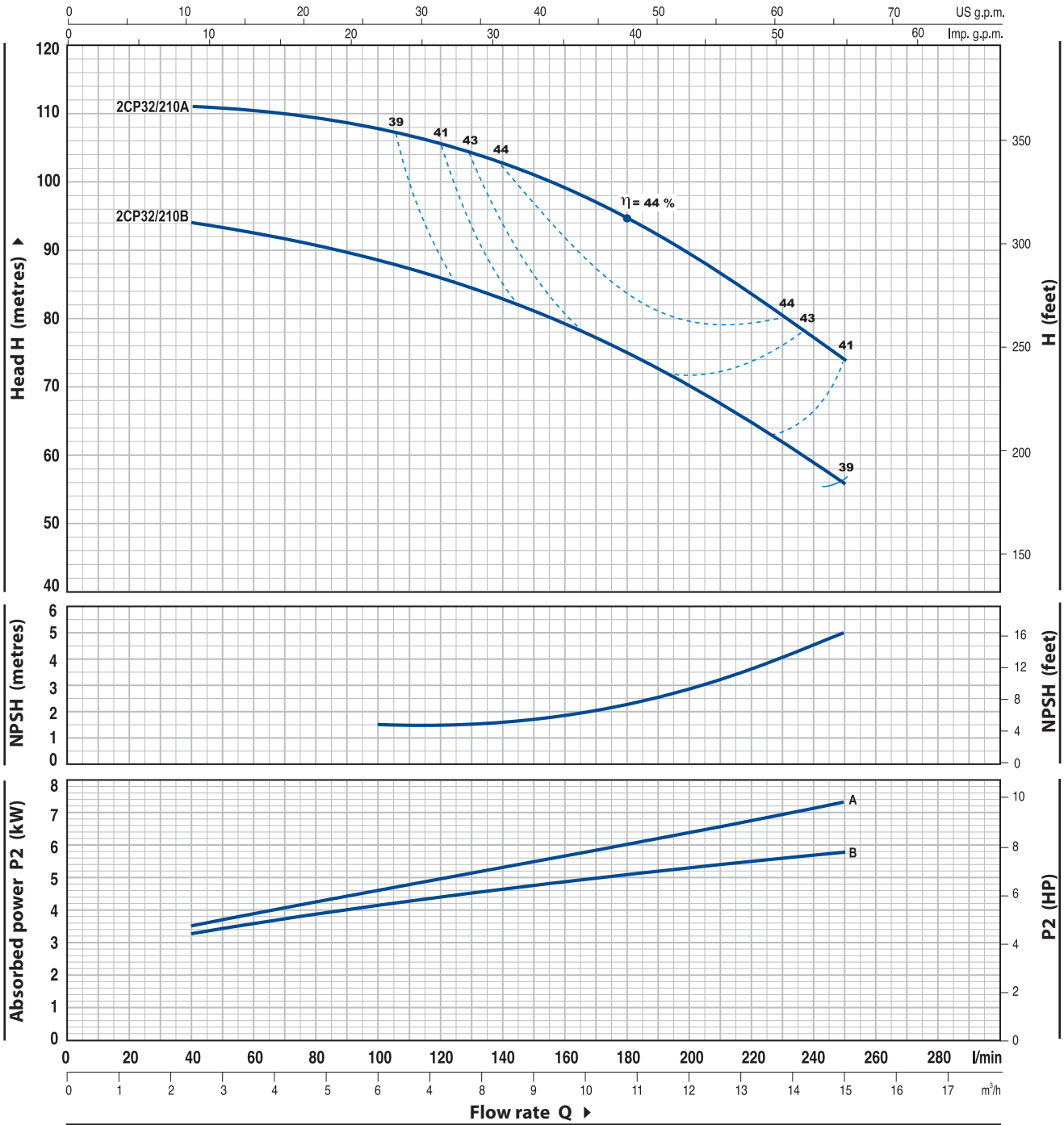
MODEL	POWER		Q	0	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.5	8.4	9.6	10.8	12.0	15.0
	kW	HP		0	40	50	60	70	80	90	100	110	125	140	160	180	200	250
Three-phase			H metres	70	66.5	65.5	65	64	63	62	60.5	59	57	55	52	49.5	46.5	36
2CP 32/200C	3	4		85	81	80	79	78	77	76	75	74	72	69	66	62	58	49
2CP 32/200B	4	5.5																

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



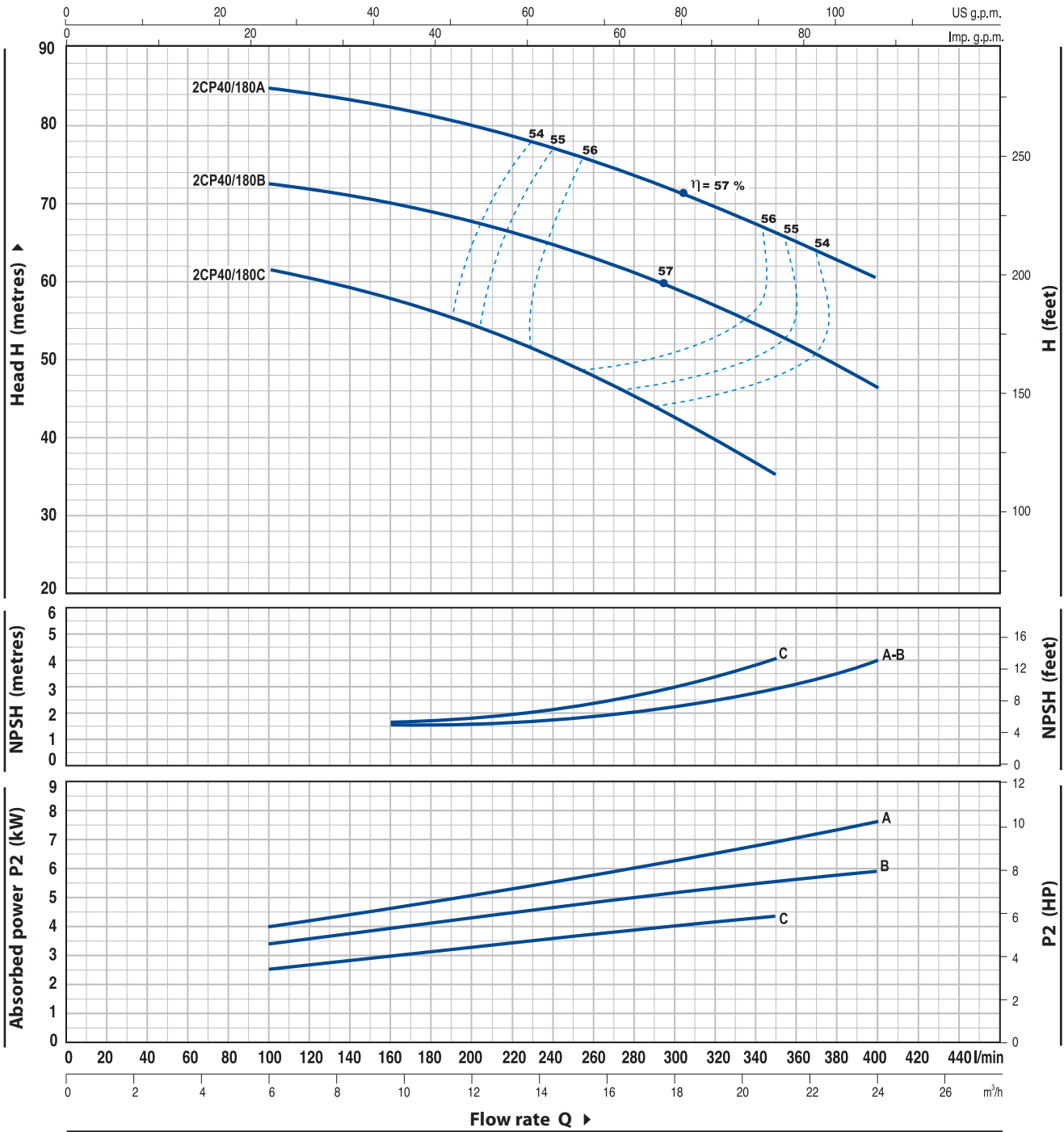
MODEL	POWER		Q	Flow rate																
	kW	HP		0	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.5	8.4	9.6	10.8	12.0	15.0		
Three-phase			l/min	0	40	50	60	70	80	90	100	110	125	140	160	180	200	250		
2CP 32/210B	5.5	7.5	H metres	94	94	93.5	93	92	91	90	89	87	85	83	79	75	70	56		
2CP 32/210A	7.5	10		112	111	110.8	110.5	110.3	110	109	108	107	105	102	99	94	89	74		

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



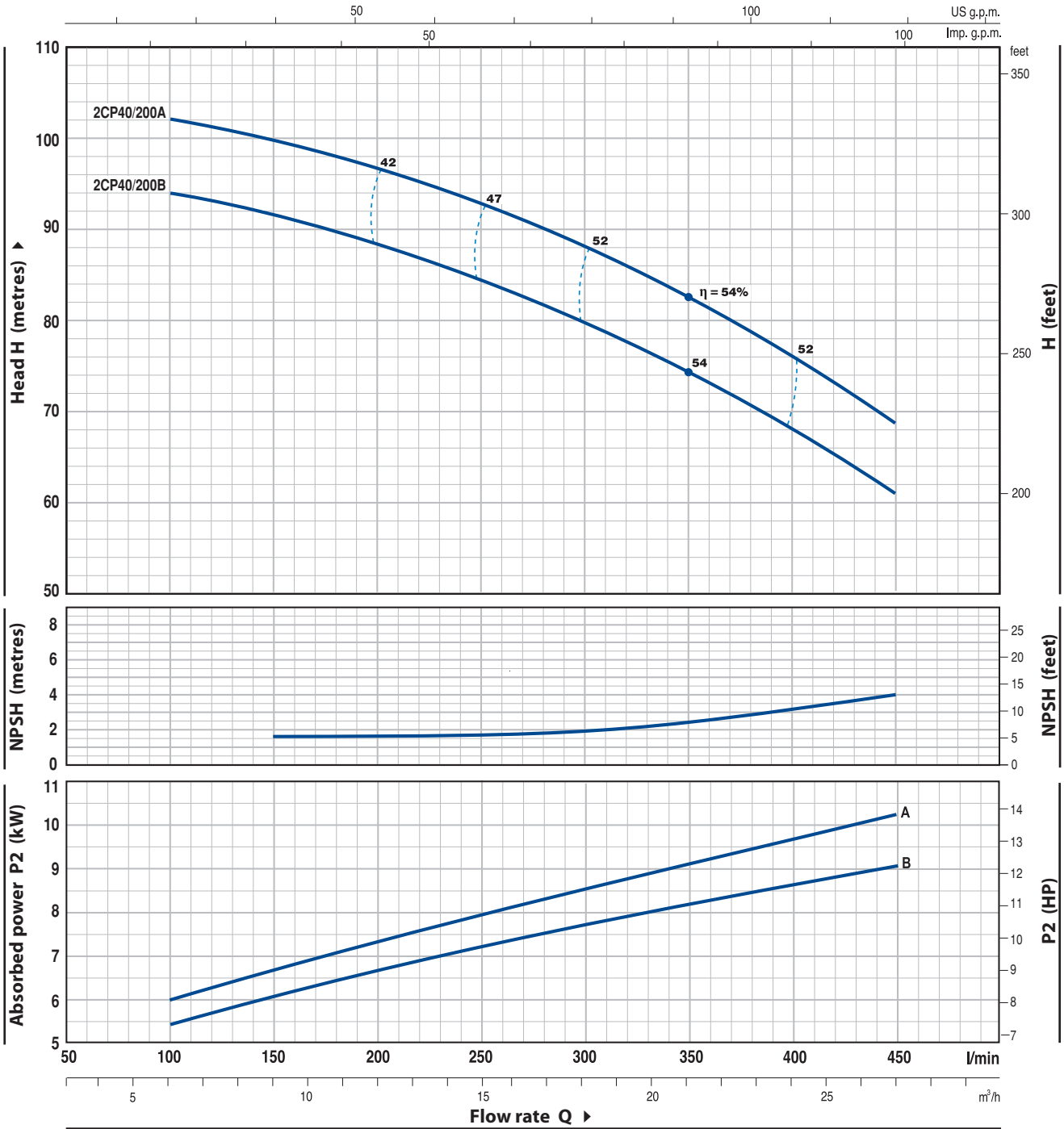
MODEL	POWER		Q	0	6.0	6.6	7.5	8.4	9.6	10.8	12.0	15.0	18.0	21.0	24.0
	kW	HP		0	100	110	125	140	160	180	200	250	300	350	400
Three-phase			l/min												
2CP 40/180C	4	5.5	H metres	64	62	61	60	59	58	56	54.5	49	43	35	
2CP 40/180B	5.5	7.5		76	73	72.5	72	71	70	69	67.5	64	59.5	54	46
2CP 40/180A	7.5	10		88	85	84.5	84	83	82	81	79.5	76	72	67	60

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



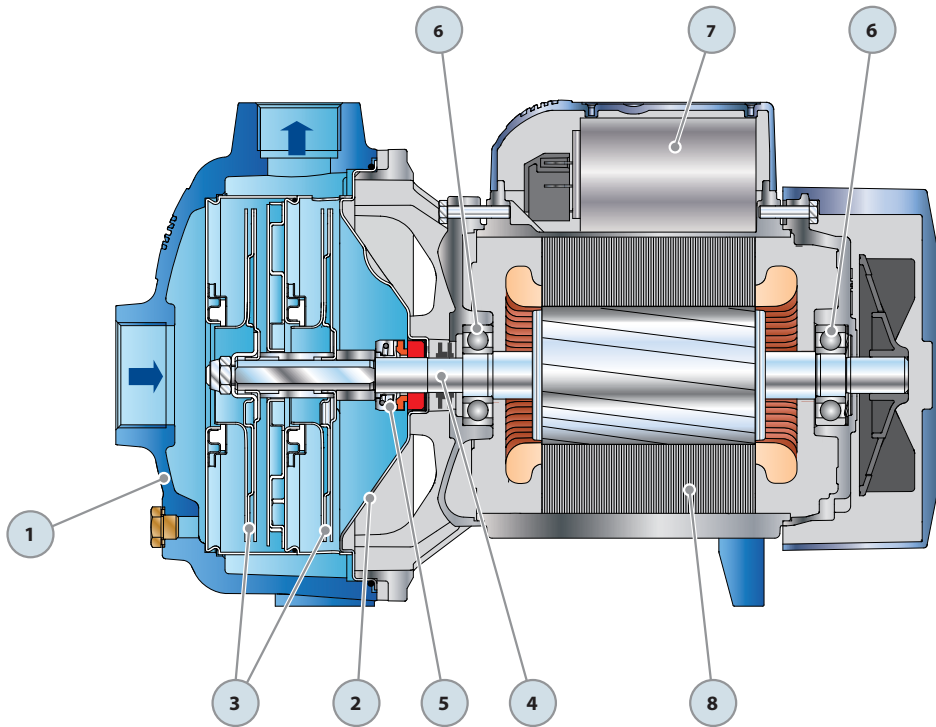
MODEL	POWER		Q	Flow rate												
	kW	HP		m ³ /h	0	6.0	9	10.8	12.0	15.0	18.0	21.0	24.0	27.0		
Three-phase			l/min	0	100	150	180	200	250	300	350	400	450			
2CP 40/200B	9.2	12.5	H metres	97	94	92	90	88	85	80	74	68	61			
2CP 40/200A	11	15		105	102	100	98	97	93	88	83	76	69			

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

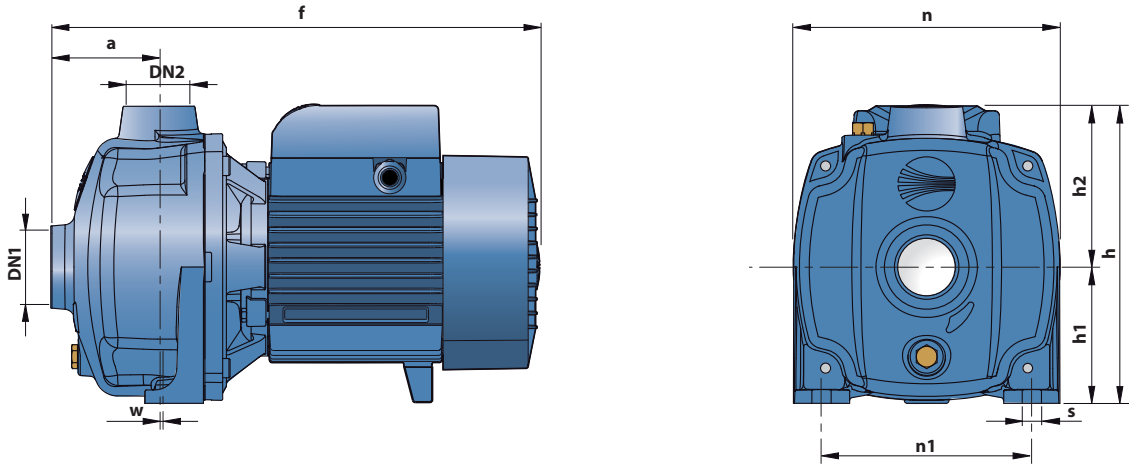
Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

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	Stainless steel AISI 304				
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
5	MECHANICAL SEAL	Seal	Shaft	Materials		
		Model	Diameter	Stationary ring	Rotational ring	Elastomer
		AR-14	Ø 14 mm	Ceramic	Graphite	NBR
6	BEARINGS	6203 ZZ / 6203 ZZ				
7	CAPACITOR	Pump	Capacitance			
		Single-phase	(230 V or 240 V)		(110 V)	
		2CPm 25/130N	20 µF 450 VL		60 µF 300 VL	

- 8 ELECTRIC MOTOR** **2CPm 25/130N:** single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.
2CP 25/130N: three-phase 230/400 V - 50 Hz.
- ⇒ Pump fitted with the three-phase motor option offers IE2 (IEC 60034-30) class high performance
- Insulation: F class.
 - Protection: IP 44.



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~
2CPm 25/130N	2CP 25/130N	1 1/4"	1"	73	330	201	92	109	180	142	1	10	14.5	14.0

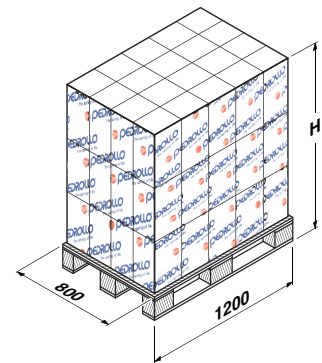
ABSORPTION

MODEL	VOLTAGE (single-phase)		
Single-phase	230 V	240 V	110 V
2CPm 25/130N	6.3 A	6.0 A	12.6 A

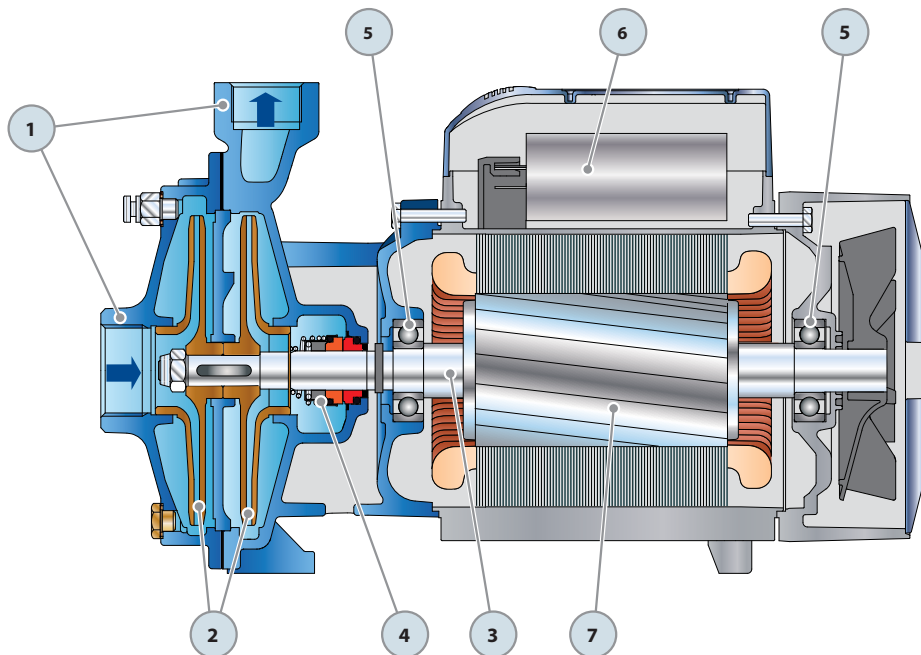
MODEL	VOLTAGE (three-phase)					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
2CP 25/130N	4.6 A	2.6 A	1.5 A	4.3 A	2.5 A	1.5 A

PALLETIZATION

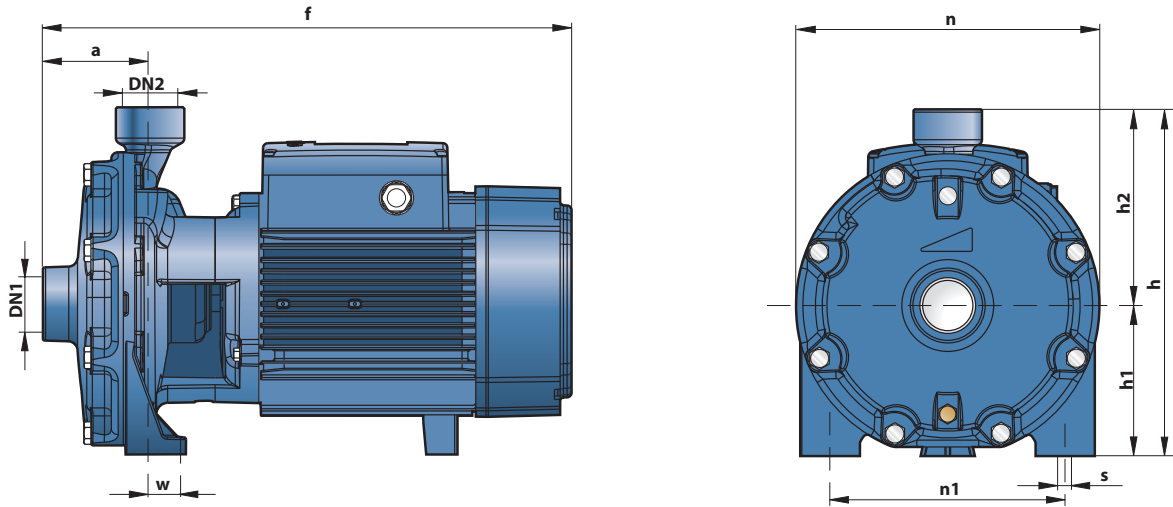
MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
2CPm 25/130N	2CP 25/130N	60	1320	890	860	84	1790	1240	1200



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS					
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1					
2	IMPELLERS	Brass					
3	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104					
4	MECHANICAL SEAL	<i>Pump Model</i>	<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		2CP 25/140	FN-18	Ø 18 mm	Graphite	Ceramic	NBR
		2CP 25/160					
		2CP 160/160					
		2CP 32/200	FN-20	Ø 20 mm	Graphite	Ceramic	NBR
		2CP 32/210	FN-24	Ø 24 mm	Graphite	Ceramic	NBR
		2CP 40/180					
		2CP 40/200	FN-32 NU	Ø 32 mm	Graphite	Ceramic	NBR
5	BEARINGS	<i>Pump Model</i>	<i>Model</i>				
		2CP 25/140	6204 ZZ / 6204 ZZ				
		2CP 25/160					
		2CP 160/160					
		2CP 32/200	6206 ZZ - C3 / 6206 ZZ - C3				
		2CP 32/210	6306 ZZ - C3 / 6206 ZZ - C3				
		2CP 40/180					
		2CP 40/200	6308 ZZ - C3 / 6308 ZZ - C3				
6	CAPACITOR	<i>Pump Single-phase</i>	<i>Capacitance (230 V or 240 V)</i>		<i>(110 V)</i>		
		2CPm 25/140	25 µF 450 VL	60 µF 250 VL			
		2CPm 160/160	45 µF 450 VL	80 µF 250 VL			
		2CPm 25/160B	45 µF 450 VL	80 µF 250 VL			
		7	ELECTRIC MOTOR	<p>2CPm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.</p> <p>2CP: three-phase 230/400 V - 50 Hz up to 4 kW. 400/690 V - 50 Hz from 5.5 to 11 kW</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. 			



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~
2CPm 25/140H	2CP 25/140H	1 1/4"	1"	74	382	225	93	132	200	162	23	10	18.9	18.3
2CPm 160/160	2CP 160/160			84	405	263	110	153	225	185	26	11	24.5	23.3
2CPm 25/140M	2CP 25/140M			74	382	225	93	132	200	162	23	10	18.9	18.3
2CPm 25/160B	2CP 25/160B-A	1 1/2"	1 1/4"	86	407	263	110	153	225	185	26	11	24.3	23.2/ 24.5
-	2CP 32/200C-B			95	464	304	132	172	266	206	19	-	38.0/43.0	
-	2CP 32/210B-A	2"	1 1/2"		542								-	54.0/61.0
-	2CP 40/180C			108	496	334	139	195	292	232	21	14	-	49.0
-	2CP 40/180B-A				542									-
-	2CP 40/200B-A			110	566	355	160	195	298				-	89.0/90.0

ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
Single-phase			
2CPm 25/140H	7.6 A	7.0 A	15.2 A
2CPm 160/160	11.0 A	10.0 A	21.0 A
2CPm 25/140M	8.0 A	7.3 A	16.0 A
2CPm 25/160B	11.0 A	10.0 A	21.0 A

MODEL	VOLTAGE (three-phase)					
	230 V	400 V	690 V	240 V	415 V	720 V
Three-phase						
2CP 25/140H	5.7 A	3.3 A	1.9 A	5.2 A	3.0 A	1.7 A
2CP 160/160	8.0 A	4.6 A	2.7 A	7.0 A	4.0 A	2.3 A
2CP 25/140M	5.9 A	3.4 A	2.0 A	5.4 A	3.1 A	1.8 A
2CP 25/160B	8.0 A	4.6 A	2.7 A	7.7 A	4.4 A	2.6 A
2CP 25/160A	9.3 A	5.4 A	3.1 A	8.7 A	5.0 A	2.9 A
2CP 32/200C	12.8 A	7.4 A	4.3 A	12.3 A	7.1 A	4.1 A
2CP 32/200B	18.2 A	10.5 A	6.1 A	17.7 A	10.2 A	5.9 A
2CP 32/210B	21.7 A	12.5 A	7.2 A	19.9 A	11.5 A	6.7 A
2CP 32/210A	27.7 A	16.0 A	9.2 A	26.0 A	15.0 A	8.7 A
2CP 40/180C	17.0 A	9.8 A	5.7 A	16.5 A	9.5 A	5.5 A
2CP 40/180B	21.3 A	12.3 A	7.1 A	20.8 A	12.0 A	6.9 A
2CP 40/180A	26.7 A	15.4 A	8.9 A	26.0 A	15.0 A	8.7 A
2CP 40/200B	-	17.5 A	10.1 A	-	17.5 A	10.1 A
2CP 40/200A	-	20.0 A	11.5 A	-	20.0 A	11.5 A

PALLETIZATION

MODEL		GROUPAGE			CONTAINER				
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
2CPm 25/140H	2CP 25/140H	50	1370	960	930	70	1860	1340	1300
2CPm 160/160	2CP 160/160	50	1540	1240	1180	70	2100	1730	1650
2CPm 25/140M	2CP 25/140M	50	1370	960	930	70	2860	1340	1300
2CPm 25/160B	2CP 25/160B	50	1540	1230	1180	70	2100	1720	1640
-	2CP 25/160A	50	1540	-	1240	70	2100	-	1730
-	2CP 32/200C	18	1420	-	700	24	1840	-	930
-	2CP 32/200B	18	1420	-	790	24	1840	-	1050
-	2CP 32/210B	12	1420	-	670	16	1840	-	880
-	2CP 32/210A	12	1420	-	750	16	1840	-	1000
-	2CP 40/180C	12	1420	-	610	16	1840	-	800
-	2CP 40/180B	12	1420	-	670	16	1840	-	880
-	2CP 40/180A	12	1420	-	740	16	1840	-	980
-	2CP 40/200B	6	1200	-	551	9	1730	-	818
-	2CP 40/200A	6	1200	-	557	9	1730	-	827

