CP

Centrifugal pumps

Clean water
Civil use
Agricultural use
Industrial use

PERFORMANCE RANGE

- Flow rate up to **900 l/min** (54 m^3/h)
- Head up to **79 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 60335-1
IEC 60335-1
CEI 61-150

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

CE

EU REGULATION N. 547/2012

CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT

EAC

INSTALLATION AND USE

Suitable for use with clean water and with 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 air conditioning and cooling systems, for irrigation, etc.
The pump should be installed in an enclosed environment or sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

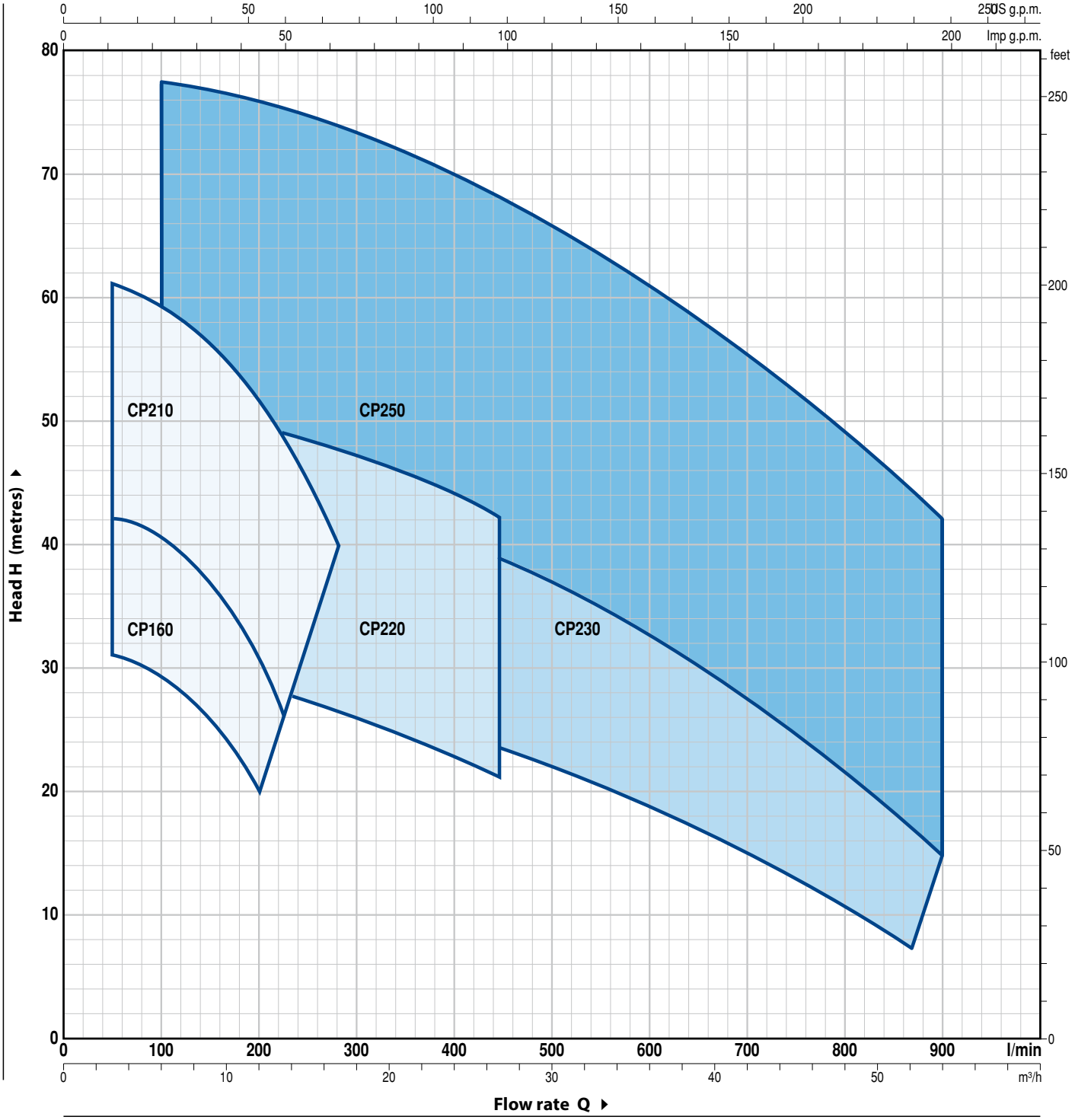
- Registered EU Design n. 002098434 for CP 160, CP210
- Registered Italian model n. 72753 for CP 220, CP 230, CP250

OPTIONS AVAILABLE ON REQUEST

- Special mechanical seal
- EN 10088-3 - 1.4401 (AISI 316) stainless steel pump shaft for CP 220, CP 230, CP250
- Other voltages or 60 Hz frequency
- IP X5 class protection for CP 160

PERFORMANCE RANGE

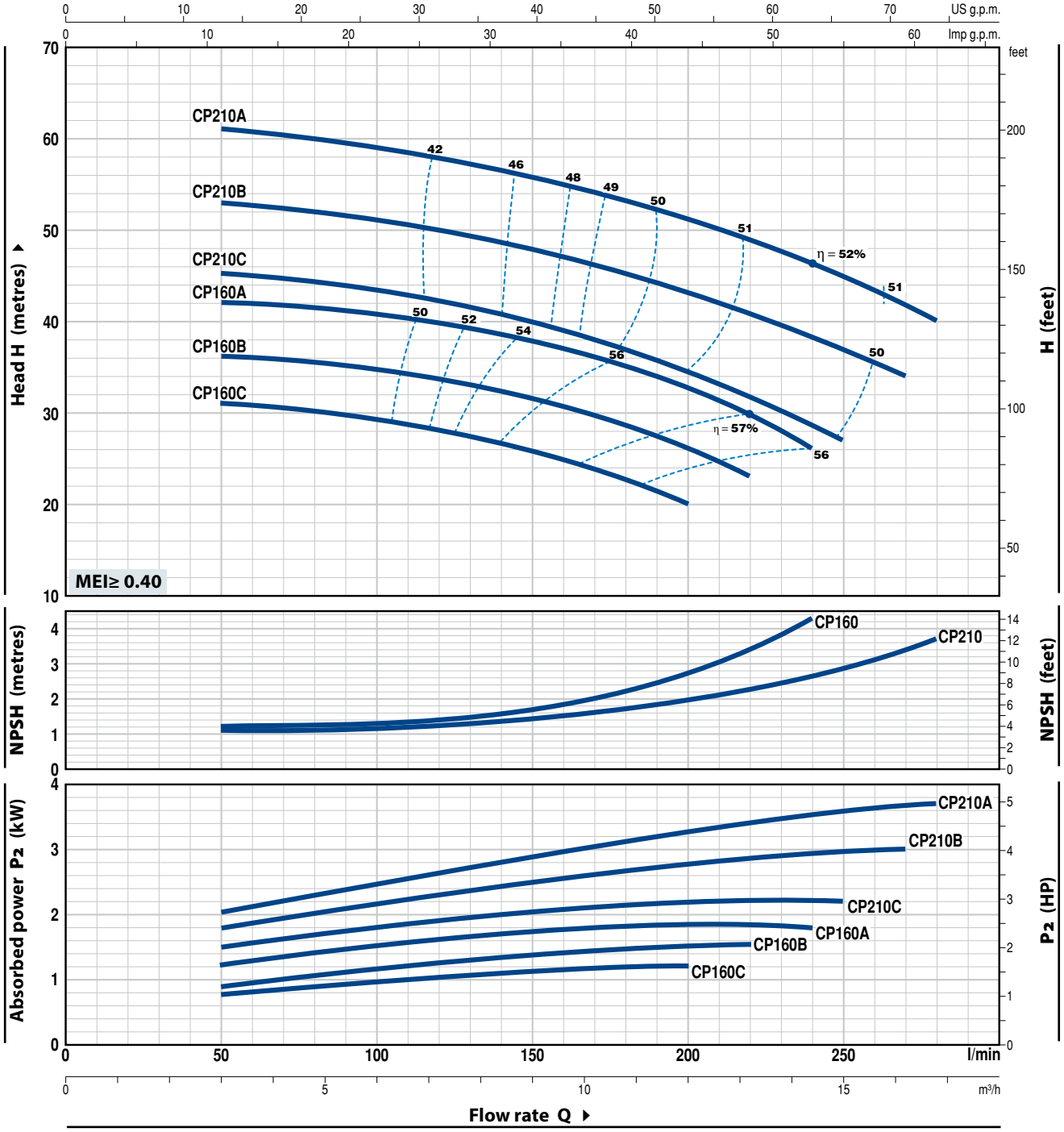
50 Hz **n= 2900 rpm** HS= 0 m



CP 160-210

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz **n= 2900 rpm** HS= 0 m



MODEL		POWER (P2)			Q	m³/h	0	3	4.5	6	7.5	9	10.5	12	13.2	14.4	15	16.2	16.8
Single-phase	**Three-phase**	**kW**	**HP**	▲		l/min	**0**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**220**	**240**	**250**	**270**	**280**
CPm 160C	**CP 160C**	1.1	1.5	IE2	**H**	metres	32	31	30.5	29.5	28	26	23	20					
CPm 160B	**CP 160B**	1.5	2				37	36	35.5	34.5	33.5	31.5	29	26.5	23				
–	**CP 160A**	2.2	3				43	42	41.5	40.5	39.5	38	35.5	33	30	26			
CPm 210C	**CP 210C**	2.2	3	**IE3**			46	45.5	44.5	43.5	42	40	37.5	34.5	32	28.5	27		
–	**CP 210B**	3	4				54	53	52	51	49.5	48	45.5	43	40	38.5	37	34	
–	**CP 210A**	4	5.5				61	61	60	59	57.5	56	53.5	51	49	46.5	45	42	40

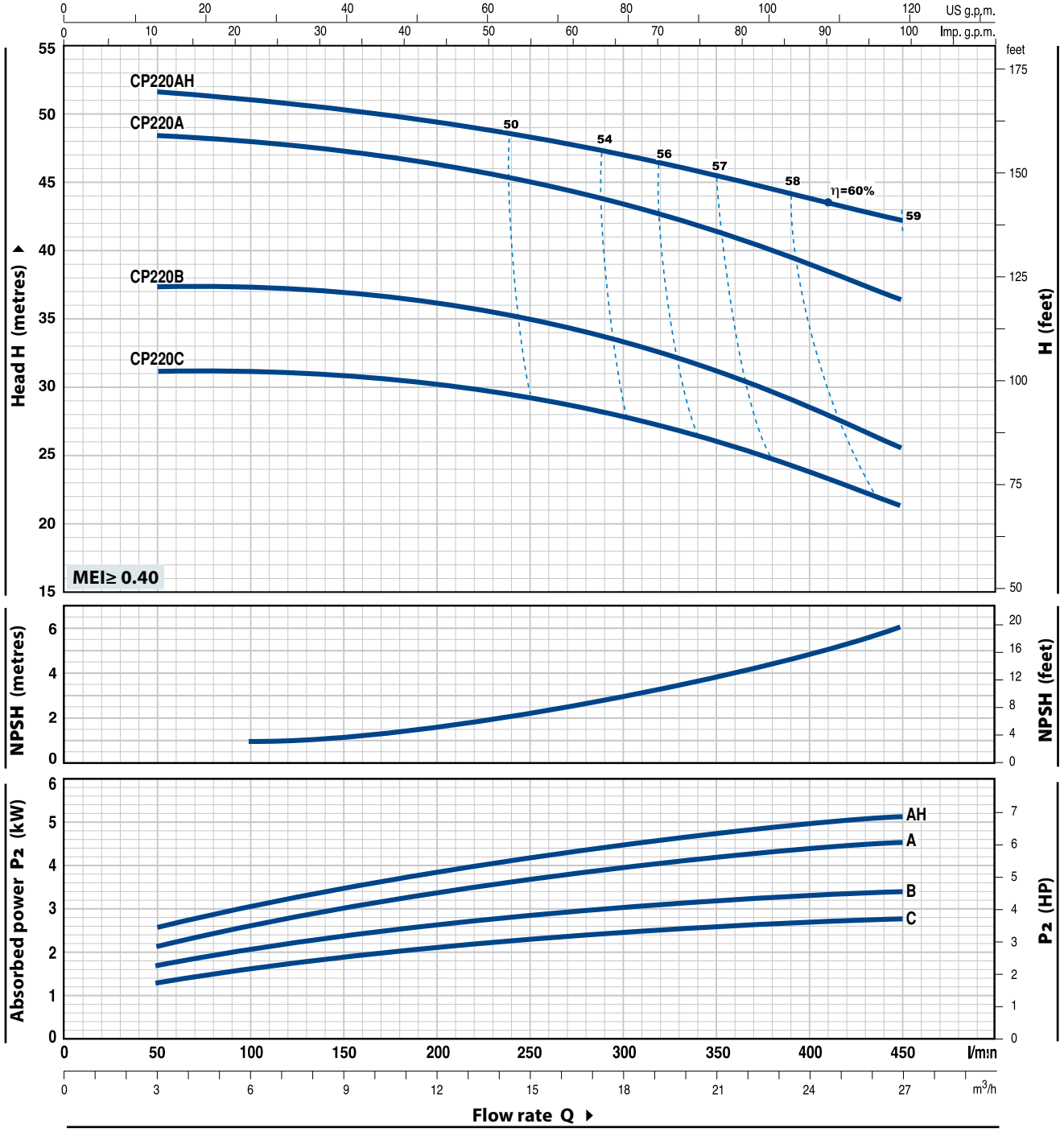
Q = Flow rate **H** = Total manometric head **HS** = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

▲ Performance class of the three-phase motor (IEC-60034-30)

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz **n= 2900 rpm** HS= 0 m



MODEL		POWER (P2)			Q	m³/h	0	3	6	12	18	24	27
Single-phase	Three-phase	kW	HP	▲		l/min	**0**	**50**	**100**	**200**	**300**	**400**	**450**
CPm 220C	**CP 220C**	2.2	3	IE3	H	metres	32	31.5	31	30	28	24	21
–	**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 **HS** = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

▲ Performance class of the three-phase motor (IEC-60034-30)