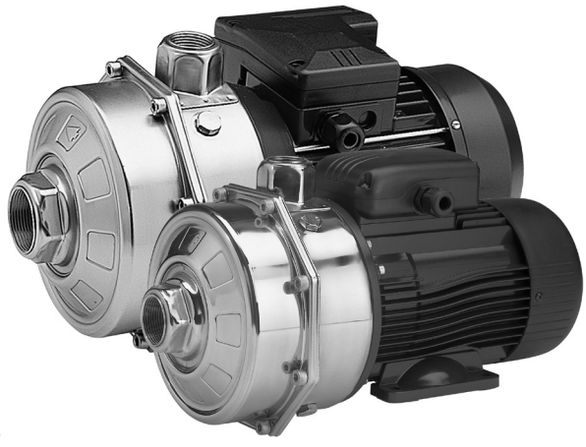
GENERAL DESCRIPTION

Twin impeller centrifugal electric pumps made of stainless steel

MARKET SECTORS

CIVIL, AGRICULTURAL,
INDUSTRIAL.



APPLICATIONS

Version made of AISI 304

- Handling of chemically and mechanically non-aggressive water and liquids.
- Water supply.
- Irrigation.
- Water circulation (cold, hot, refrigerated).

Version made of AISI 316 (“..N”)

- Reverse osmosis (where demineralized water is used).
- Industrial washing.
- Thermal waters.
- Chlorine dispensing in swimming pools.

SPECIFICATION

PUMP

- Delivery up to **12,5 m³/h**.
- Head up to **62 m**.
- Maximum ambient temperature:
  - **45 °C** with single-phase motor
  - **40 °C** with three-phase motor
- Temperature of pumped liquid:
  from -10°C to +85°C for CA standard version (NBR elastomers).
  from -10°C to +110°C for CA and CA..N (EPDM elastomer for N version, FPM elastomers for V version).
- Maximum operating pressure: **8 bar** (PN 8).
- Hydraulic performance compliant with ISO 9906:2012 (Grade 3B). (ex ISO 9906:1999 - Annex A).
- Counter-clockwise rotation facing the pump from the suction port.

MOTOR

- Asynchronous, squirrel cage rotor, close construction, external ventilation.
- Protection class: **IP55.**
- **Class 155** (F) Insulation
- Performance to EN 60034-1 specifications.
- **Standard voltage**:
  - Single-phase version: 220-240 V, 50 Hz
  - Three-phase version: 220-240/380-415 V, 50 Hz.
- Condensate drain plugs in the standard version.

CONSTRUCTION CHARACTERISTICS

- Close-coupled, twin-impeller centrifugal pump featuring axial suction and radial discharge.
- Compact construction, with pump coupled directly to motor; special motor shaft extension in common with the pump and supported by ball bearings.
- Threaded suction and discharge ports (Rp EN 10226-1 and ISO 7-1).
- High performance enclosed impeller made of **AISI 304** stainless steel (**AISI 316** for N version).
- **Mechanical seal** with Ceramic/Carbon rings, NBR elastomers, (EPDM for N version) other parts are made of AISI 304 stainless steel (AISI 316 for N version). Mounting dimensions according to EN 12756 (ex DIN 24960) and ISO 3069.
- **O-rings** made of NBR (EPDM for N version).
- Mounting pedestal on motor.

OPTIONAL FEATURES

- Different voltages.
- 60 Hz frequency (see 60 Hz catalog).
- Different material for the mechanical seal and O-rings.

IDENTIFICATION CODE

C	A	M	1	2	0		/	3	3	N	/		-	V		

Series name [2 digits]
CA

Phase [1 digit]
[_] = three-phase
[M] = single-phase

Nominal flow [2 o 3 digits]
[120] = l/min

Frequency [1 digit]
[6] = 60 Hz
[_] = 50 Hz

Impeller size [2 digits]
Adimensional value

Extra description [1 digit]
[_] = standard version or
letter assigned by the manufacturer

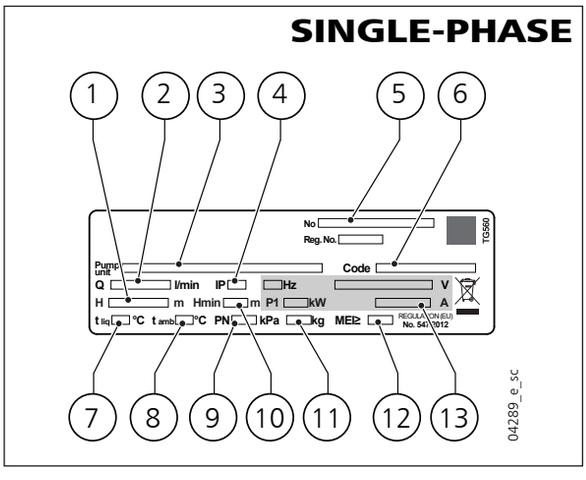
Material of elastomer [1 digit]
[_] = NBR elastomer for CA;
EPDM elastomer for CA..N
[V] = FPM elastomer for CA e CA..N

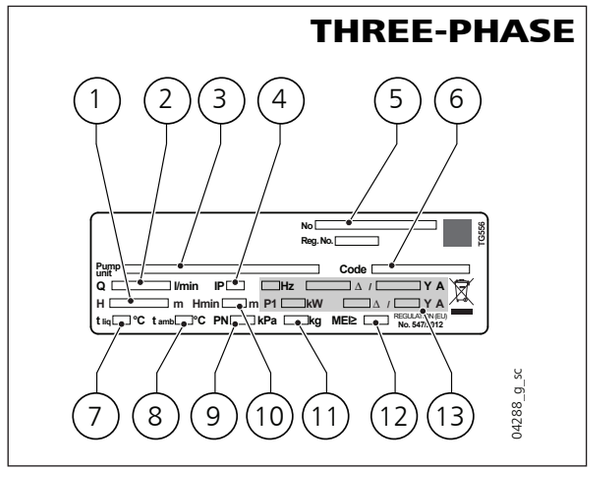
Motor efficiency level [1 digit]
[A] = IE2, three-phase version
[D] = IE3, three-phase version
[C] = IE2, single-phase version

Material [1 digit]
Null = AISI 304 version (CA)
N = AISI 316 version (CA ..N)

EXAMPLES:
CAM120/33/B-V
CA series electric pump, single-phase, nominal flow 120 l/min, frequency 50 Hz, two impellers size 3, stainless steel AISI 304 version, FPM elastomer.
CA120/35N/B
CA series electric pump, three-phase, nominal flow 120 l/min, frequency 50 Hz, 1 impeller size 3 + 1 impeller size 5, stainless steel AISI 316 version, EPDM elastomer.

RATING PLATE



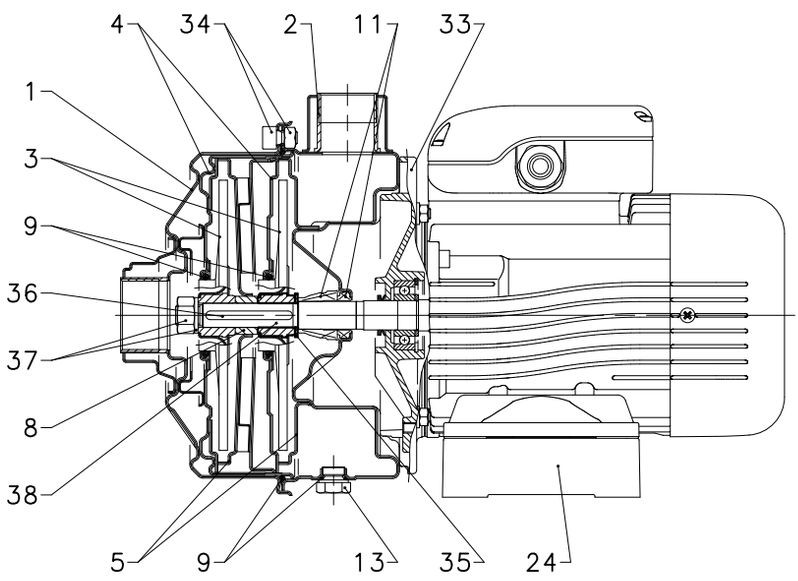


LEGEND

1 - Head range
2 - Flow range
3 - Electric pump unit type
4 - Electric pump unit type
5 - Serial number (data + order number)
6 - Electric pump unit code
7 - Maximum operating liquid temperature (uses as EN 60335-2-41)
8 - Maximum operating ambient temperature
9 - Maximum operating pressure
10 - Minimum head (EN 60335-2-41)
11 - Weight
12 - MEI Index (Regulation (EU) No 547/2012 - 50 Hz)
13 - Electrical data
14 - Maximum operating liquid temperature (for use other than EN 60335-2-41)

ELECTRIC PUMP CROSS-SECTION AND MAIN COMPONENTS

02179_B_DS



VERSIONS
CAM70/33
CAM70/34
CAM70/44
CAM120/33
CAM120/35
CA70/33
CA70/34
CA70/45
CA120/33
CA120/35
CA120/55
CA200/33
CA200/35
CA200/55

ca-caN-en_b_mo

CA VERSION

REF. N.	PART	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Suction flange	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
2	Pump body	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
3	Impeller	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
4	Diffuser cover	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
5	Diffuser cover	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
8	Impeller spacer	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
9	Elastomers	NBR (standard version)		
11	Mechanical seal	Ceramic / Carbon / NBR (standard version)		
13	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
24	Mounting pedestal	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
33	Adapter	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
34	Pump body fastening nuts and bolts	Zinc-plated steel		
35	Impeller shoulder washer	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
36	Key	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
37	Impeller lock nut and washer	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
38	Shaft extension	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

ca-ca-en_b_tm

CA..N VERSION

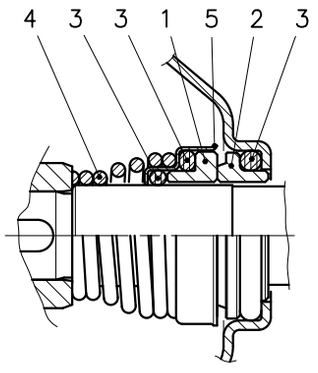
REF. N.	PART	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Suction flange	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
3	Impeller	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
4	Diffuser cover	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
5	Diffuser	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Impeller spacer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	Elastomers	EPDM (standard version)		
11	Mechanical seal	Ceramic / Carbon / EPDM (standard version)		
13	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
24	Mounting pedestal	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
33	Adapter	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
34	Pump body fastening nuts and bolts	Zinc-plated steel		
35	Impeller shoulder washer	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
36	Key	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
37	Impeller lock nut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
38	Shaft extension	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

ca-caN-en_a_tm

MECHANICAL SEALS

Elastomer bellow seal with mounting dimensions according to EN 12756 and ISO 3069

CA-CA(N)



LIST OF MATERIALS

POSITION 1 - 2	POSITION 3	POSITION 4 - 5
B : Resin impregnated carbon	P : NBR	F : AISI 304
C : Special resin impregnated carbon	E : EPDM	G : AISI 316
Q : Silicon carbide	V : FPM	
U : Tungsten carbide		
V : Ceramic		

ca_ten-mec-en_b_tm

SEAL TYPES

SERIES	TYPE	POSITION 1 ROTATING ASSEMBLY	POSITION 2 FIXED ASSEMBLY	POSITION 3 ELASTOMERS	POSITION 4 SPRINGS	POSITION 5 OTHER COMPONENTS	TEMPERATURE (°C)
CA	STANDARD MECHANICAL SEAL						
	VBPGF	V	B	P	G	F	-10...+110
	OTHER TYPES OF MECHANICAL SEAL						
	VBEGF	V	B	E	G	F	-10...+110
	VCEGG	V	C	E	G	G	
	QQEGF	Q	Q	E	G	F	
	UBEGF	U	B	E	G	F	
	UCEGF	U	C	E	G	F	
	UUEGF	U	U	E	G	F	
	VBVGF	V	B	V	G	F	
	VCVGF	V	C	V	G	F	
	QQVGF	Q	Q	V	G	F	
	UCVGF	U	C	V	G	F	
	UUVGF	U	U	V	G	F	
CA..N	STANDARD MECHANICAL SEAL						
	VBEGG	V	B	E	G	G	-10...+110
	OTHER TYPES OF MECHANICAL SEAL						
	VCEGG	V	C	E	G	G	-10...+110
	QQEGG	Q	Q	E	G	G	
	VCVGG	V	C	V	G	G	
	QQVGG	Q	Q	V	G	G	

ca_tipi-ten-mec-en_d_tc

MOTORS (ErP 2009/125/EC)

- Short-circuit squirrel-cage motor, enclosed construction with external ventilation (TEFC).
- **IP55** protection degree.
- Insulation class **155 (F)**.
- Electrical performances according to EN 60034-1.
- **Supplied three-phase surface motors with IE2 (power < 0,75 kW) or IE3 (power ≥ 0,75 kW) efficiency level according to EN 60034-30:2009 and EN 60034-30-1:2014.**
- Metric cable gland according to EN 50262.
- **Single-phase** version:
  220-240 V 50 Hz
  Built-in automatic reset overload protection.
  Maximum ambient temperature: 45 °C.
- **Three-phase** version:
  220-240/380-415 V 50 Hz
  Overload protection to be provided by the user.
  Maximum ambient temperature: 40 °C.

From 1 July 2023 in accordance with the **Regulations (EU) 2019/1781 and (EU) 2021/341**, the three-phase 50 Hz, 60 Hz or 50/60 Hz **surface motors** with **power outputs ranging from 0,12 to 0,749 kW** must have a minimum level **IE2** efficiency; the ones with power outputs ranging **from 0,75 to 74,9 kW** must have a minimum level of **IE3** efficiency. The single-phase **surface motors** with **power outputs ranging from 0,12 kW** must have a minimum level **IE2** efficiency.

The following tables also contain the mandatory information pursuant to Annex I, section 2, of the aforementioned Regulations.

SINGLE-PHASE MOTORS AT 50 Hz, 2 POLES

P_N kW	MOTOR TYPE	IEC SIZE	Construction Design	INPUT CURRENT In (A) 220-240 V	CAPACITOR µF	CAPACITOR V	DATA FOR 230 V 50 Hz VOLTAGE min^{-1}	Is / In	η %	cosφ	Tn Nm	Ts/Tn	Tm/Tn	Operating conditions ** Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
0,75	SM80CA/1075/B E2	80	SPECIAL	4,38-4,27	25	450	2865	5,11	77,40	0,97	2,50	0,40	2,26	≤ 1000	-15 / 45	No
1,1	SM80CA/1115/B E2	80		6,26-5,93	30	450	2860	4,78	79,60	0,98	3,67	0,50	2,14			
1,5	PLM90CA/1155 E2	90		8,41-7,87	50	450	2890	6,71	81,30	0,97	4,95	0,59	2,78			

** Operating conditions to be referred to motor only. About electric pump, refer to limits in user's manual.

ca-motm-2p50-en_c_te

THREE-PHASE MOTORS AT 50 Hz, 2 POLES

P_N kW	Model	IEC SIZE	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage				
						cosφ	Is / I_N	T_N Nm	Ts/T_N	Tm/Tn
0,75	SM80CA/307 PE	80	SPECIAL	2	50	0,78	7,38	2,48	3,57	3,75
0,95	SM80CA/311 PE	80				0,79	8,31	3,63	3,95	3,95
1,1	SM80CA/311 PE	80				0,79	8,31	3,63	3,95	3,95
1,5	SM80CA/315 PE	80				0,80	8,80	4,96	4,31	4,10
1,85	PLM90CA/322 E3	90				0,80	8,77	7,28	3,72	3,70
2,2	PLM90CA/322 E3	90				0,80	8,77	7,28	3,72	3,70
3	PLM90CA/330 E3	90				0,79	7,81	9,93	4,26	3,94

P_N kW	Voltage U_N V											n_N min^{-1}	Operating conditions **		
	Δ			Y			Δ			Y			Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
	220 V	230 V	240 V	380 V	400 V	415 V	380 V	400 V	415 V	660 V	690 V				
	I_N (A)														
0,75	2,96	2,94	2,96	1,71	1,70	1,71	1,70	1,69	1,70	0,98	0,98	2875 ÷ 2895	≤ 1000	-15 / 40	No
0,95	4,19	4,14	4,16	2,42	2,39	2,40	2,41	2,38	2,38	1,39	1,37	2870 ÷ 2900			
1,1	4,19	4,14	4,16	2,42	2,39	2,40	2,41	2,38	2,38	1,39	1,37	2870 ÷ 2900			
1,5	5,56	5,49	5,51	3,21	3,17	3,18	3,21	3,18	3,19	1,85	1,84	2870 ÷ 2895			
1,85	7,97	7,90	7,98	4,6	4,56	4,61	4,57	4,54	4,57	2,64	2,62	2880 ÷ 2900			
2,2	7,97	7,90	7,98	4,6	4,56	4,61	4,57	4,54	4,57	2,64	2,62	2880 ÷ 2900			
3	11,0	11,0	11,2	6,35	6,33	6,44	6,29	6,27	6,34	3,63	3,62	2865 ÷ 2895			

P_N kW	Efficiency η_N %																		IE
	Δ 220 V Y 380 V			Δ 230 V Y 400 V			Δ 240 V Y 415 V			Δ 380 V Y 660 V			Δ 400 V Y 690 V			Δ 415 V			
	4/4	3/4	2/4	4/4	3/4	2/4	4/4	3/4	2/4	4/4	3/4	2/4	4/4	3/4	2/4	4/4	3/4	2/4	
0,75	82,5	83,1	81,3	82,8	82,7	80,1	82,6	82,0	78,9	82,5	82,0	78,9	82,5	82,0	78,9	82,5	82,0	78,9	3
0,95	84,0	84,7	83,4	84,4	84,5	82,5	84,3	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	
1,1	84,0	84,7	83,4	84,4	84,5	82,5	84,3	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	
1,5	85,6	86,5	85,8	85,9	86,4	84,9	86,0	86,0	84,0	85,6	86,0	84,0	85,6	86,0	84,0	85,6	86,0	84,0	
1,85	86,5	87,4	86,8	86,4	86,9	85,7	86,6	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	
2,2	86,5	87,4	86,8	86,4	86,9	85,7	86,6	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	
3	87,2	88,5	88,3	87,5	88,2	87,5	87,5	87,8	86,4	87,2	87,8	86,4	87,2	87,8	86,4	87,2	87,8	86,4	

** Operating conditions to be referred to motor only. About electric pump, refer to limits in user's manual.

ca-ie3-mott-2p50-en_b_te

FOR SM AND PLM MOTORS

SINGLE-PHASE	50 Hz	60 Hz
PN kW	1 x 220-240	1 x 220-230
0,40	s	-
0,55	s	-
0,75	s	-
1,1	s	-
1,5	s	-

THREE-PHASE	50 Hz			60 Hz				50/60 Hz	
PN kW	3 x 220-230-240/380-400-415	3 x 380-400-415/660-690	3 x 440-460/-	3 x 220-230/380-400	3 x 255-265-277/440-460-480	3 x 380-400/660-690	3 x 440-460-480/-	3 x 230/400 50 Hz 3 x 265/460 60 Hz	3 x 400/690 50 Hz 3 x 460/- 60 Hz
0,40	s	o	o	s	o	o	o	o	o
0,55	s	o	o	s	o	o	o	o	o
0,75	s	o	o	s	o	o	o	o	o
1,1	s	o	o	s	o	o	o	o	o
1,5	s	o	o	s	o	o	o	o	o
2,2	s	o	o	s	o	o	o	o	o
3	s	o	o	s	o	o	o	o	o

s = Standard voltage o = voltage upon request ca-volt-lowa-en_e_te

Please contact the sales network to check other available voltages.

Tolerances on nominal voltages

- **50 Hz**:
  ± 10% on the single voltage value shown on the rating plate.
  ± 5% on voltage range shown on the rating plate.
- **60 Hz**:
  ± 10% on the voltage values shown on the rating plate.

CA SERIES
PUMPS (ErP 2009/125/EC)

The **Commission Regulation (EU) No 547/2012** has implemented two directives with regard to ecodesign requirements for **some types of clean water pumps** placed on the market and put into service inside EU zone as self-alone units or integrated in other products.

For end-suction close-coupled pumps (ESCC for the Regulation) the efficiency assessment refers to:
- just the pump and not the pump and motor assembly (electric or combustion);
- pumps with
  - one impeller;
  - a nominal pressure PN not higher than 16 bar (1600 kPa);
  - a minimum nominal flow not less than 6 m^3/h;
  - a maximum nominal power at the shaft not higher than 150 kW;
  - a head not greater than 140 meters, with a speed of 2900 min^{-1}
  - a head not greater than 90 meters, with a speed of 1450 min^{-1}
- use with clean water at a temperature ranging from -10°C to 120°C (the test is performed with cold water at a temperature not higher than 40°C).

According to the definitions established by the Regulations, **the CA Series does not fall into any of the subject categories, despite having a good hydraulic performance.**

HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 2 POLES

CA	~ 2850 [rpm]	ISO 9906:2012 - Grade 3B

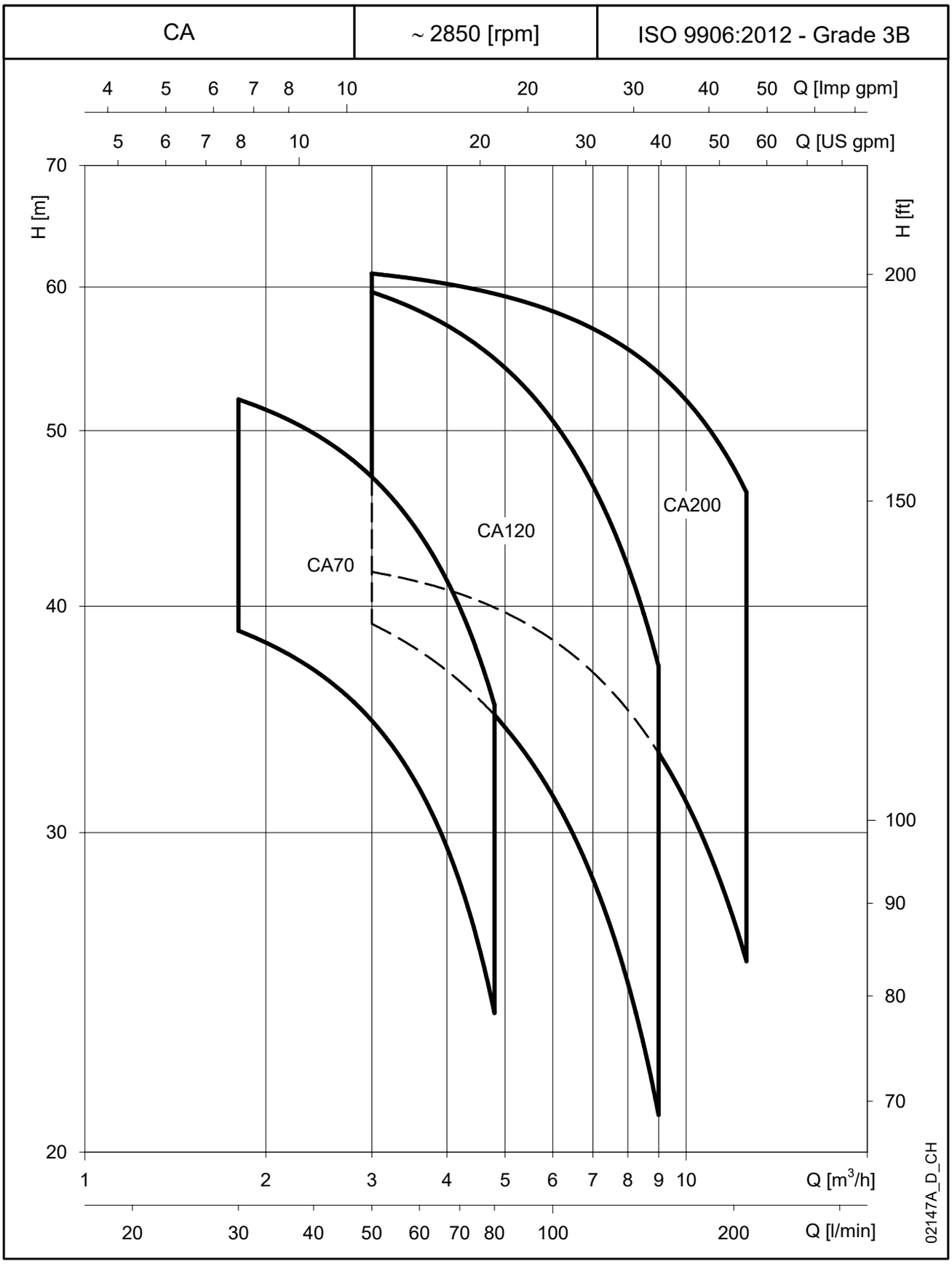


TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

PUMP TYPE	VERSION	MOTOR		ELECTRIC PUMP			Q = DELIVERY									
					* I		l/min 0	30	35	40	45	50	55	60	65	80
		P_N	TYPE	* P_1	220-240 V	380-415 V	m^3/h 0	1,8	2,1	2,4	2,7	3,0	3,3	3,6	3,9	4,8
		kW		kW	A	A	H = TOTAL HEAD IN METRES OF COLUMN OF WATER									
CAM70/33	1 ~	1,1	SM80CA/1115/B E2	1,11	4,96	-	43,7	40,0	39,1	38,1	37,0	35,9	34,6	33,2	31,6	25,7
CAM70/34		1,1	SM80CA/1115/B E2	1,30	5,76	-	48,9	45,3	44,5	43,6	42,5	41,3	39,9	38,3	36,5	30,1
CAM70/44		1,1	SM80CA/1115/B E2	1,51	6,68	-	51,8	48,0	47,2	46,1	45,0	43,7	42,3	40,7	39,1	33,4
CA70/33	3 ~	0,75	SM80CA/307 PE	1,05	3,24	1,87	42,9	38,8	37,8	36,8	35,7	34,5	33,1	31,7	30,1	24,0
CA70/34		1,1	SM80CA/311 PE	1,29	4,10	2,37	48,3	44,6	43,8	42,8	41,7	40,4	38,9	37,3	35,5	29,0
CA70/45		1,1	SM80CA/311 PE	1,64	4,90	2,83	58,1	54,1	53,2	52,1	50,8	49,4	47,9	46,2	44,3	37,6

PUMP TYPE	VERSION	MOTOR		ELECTRIC PUMP			Q = DELIVERY									
					* I		l/min 0	50	60	70	80	90	100	110	120	150
		P_N	TYPE	* P_1	220-240 V	380-415 V	m^3/h 0	3,0	3,6	4,2	4,8	5,4	6,0	6,6	7,2	9,0
		kW		kW	A	A	H = TOTAL HEAD IN METRES OF COLUMN OF WATER									
CAM120/33	1 ~	1,5	PLM90CA/1155 E2	1,57	7,08	-	44,9	40,1	38,8	37,4	36,0	34,4	32,7	30,9	29,0	22,5
CAM120/34		1,5	PLM90CA/1155 E2	1,86	8,32	-	49,4	44,8	43,3	41,8	40,1	38,3	36,4	34,4	32,3	25,1
CA120/33	3 ~	1,1	SM80CA/311 PE	1,56	4,71	2,72	44,4	39,4	38,0	36,5	35,0	33,3	31,6	29,8	27,8	21,3
CA120/35		1,5	SM80CA/315 PE	2,06	6,18	3,57	54,8	49,9	48,5	47,0	45,3	43,4	41,4	39,2	36,9	29,0
CA120/55		2,2	PLM90CA/322 E3	2,56	7,97	4,60	63,5	58,6	57,1	55,4	53,5	51,5	49,2	46,7	44,0	34,9

PUMP TYPE	VERSION	MOTOR		ELECTRIC PUMP			Q = DELIVERY									
					* I		l/min 0	50	70	90	110	130	150	170	190	210
		P_N	TYPE	* P_1	220-240 V	380-415 V	m^3/h 0	3,0	4,2	5,4	6,6	7,8	9,0	10,2	11,4	12,6
		kW		kW	A	A	H = TOTAL HEAD IN METRES OF COLUMN OF WATER									
CA200/33	3 ~	2,2	PLM90CA/322 E3	2,33	7,45	4,30	43,1	42,0	40,7	39,2	37,3	35,3	33,1	30,8	28,3	25,6
CA200/35		2,2	PLM90CA/322 E3	3,14	9,30	5,37	53,5	52,1	51,2	50,0	48,4	46,5	44,4	41,9	39,2	36,3
CA200/55		3	PLM90CA/330 E3	3,77	11,71	6,76	62,6	60,9	60,0	58,9	57,5	55,8	53,9	51,6	49,0	46,1

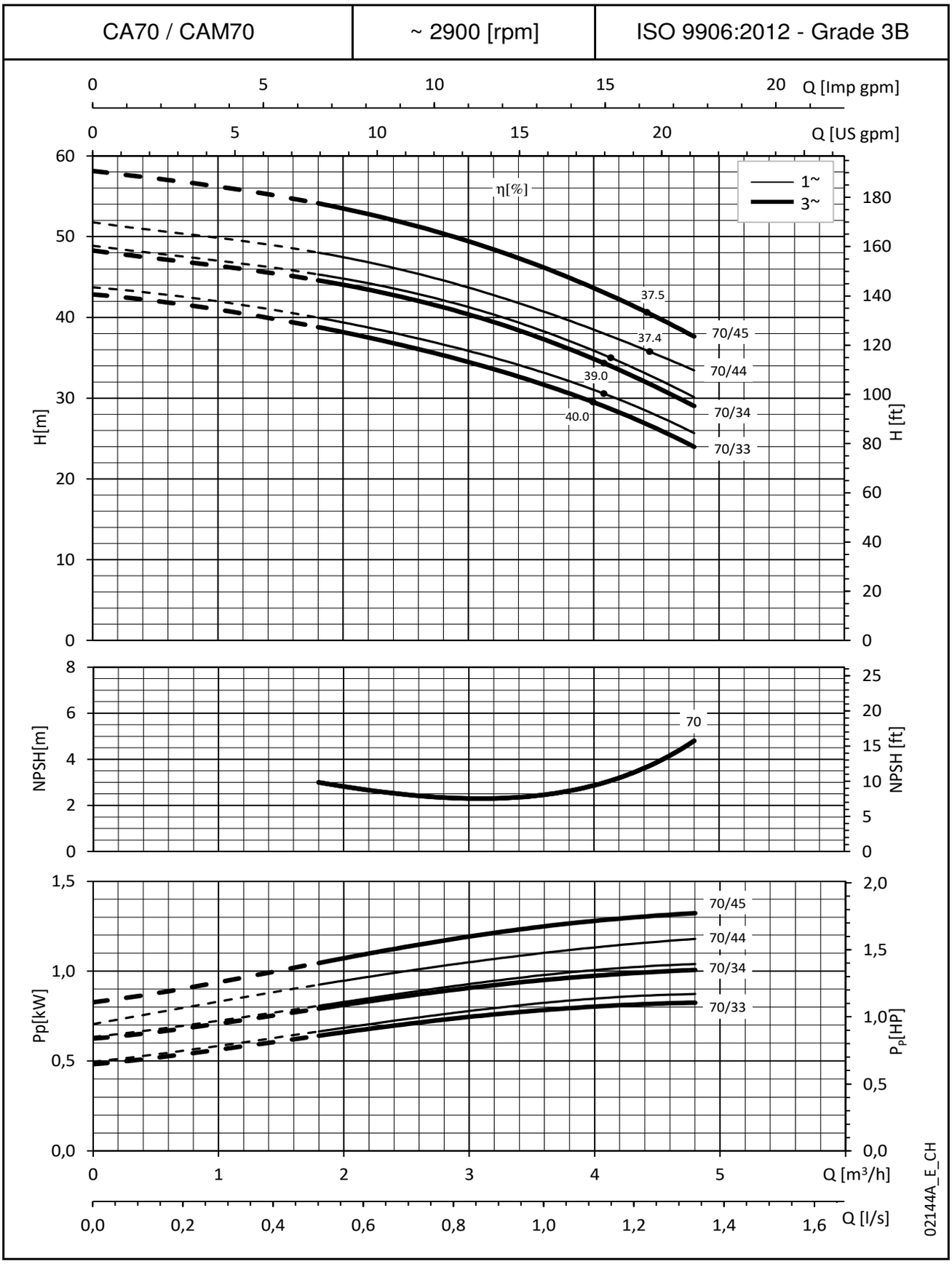
Hydraulic performances in compliance withi ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

ca_2p50-en_f_th

* Maximum value in specified range: P1 = input power; I = input current.

OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

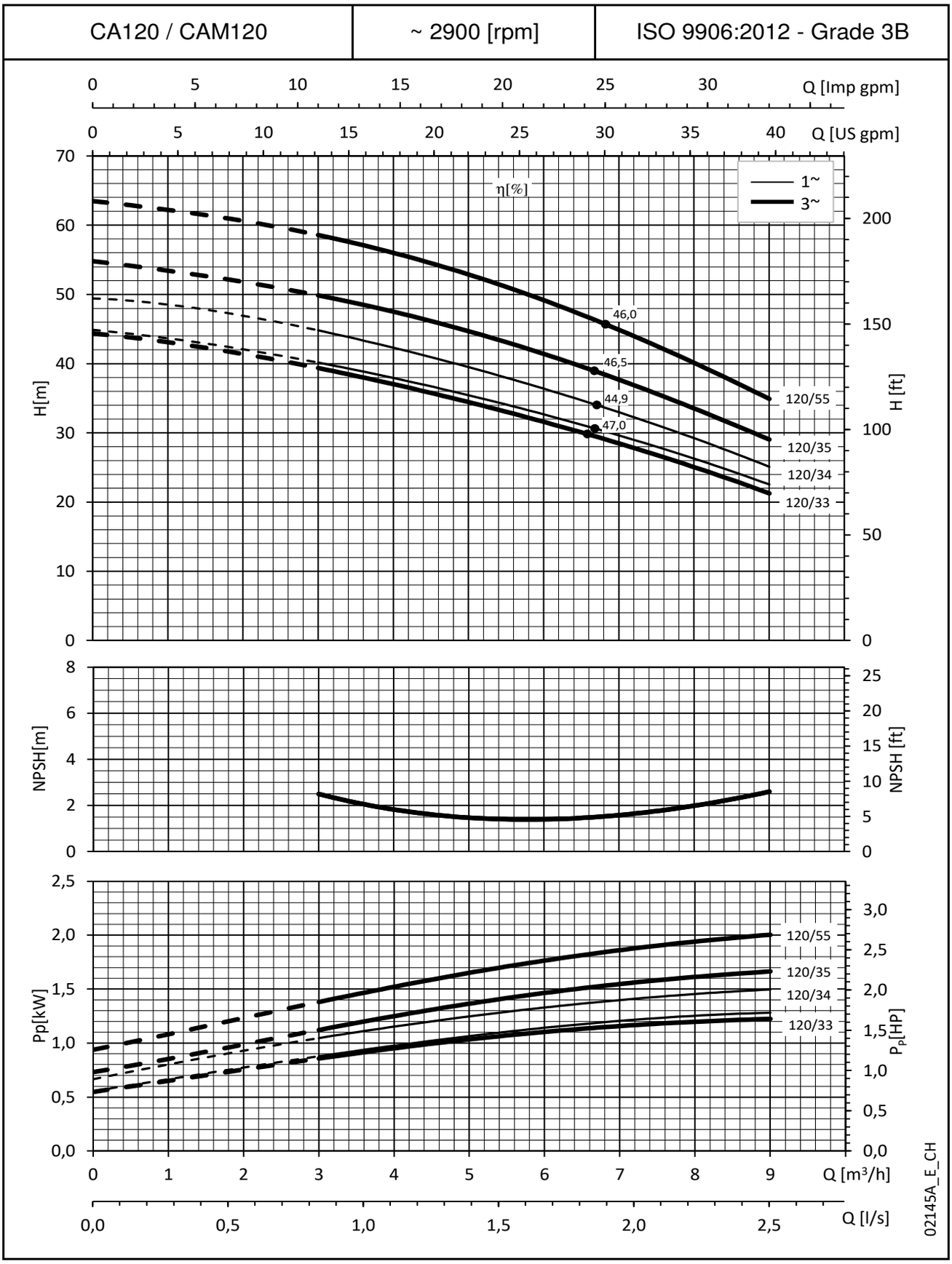
CA70 / CAM70	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

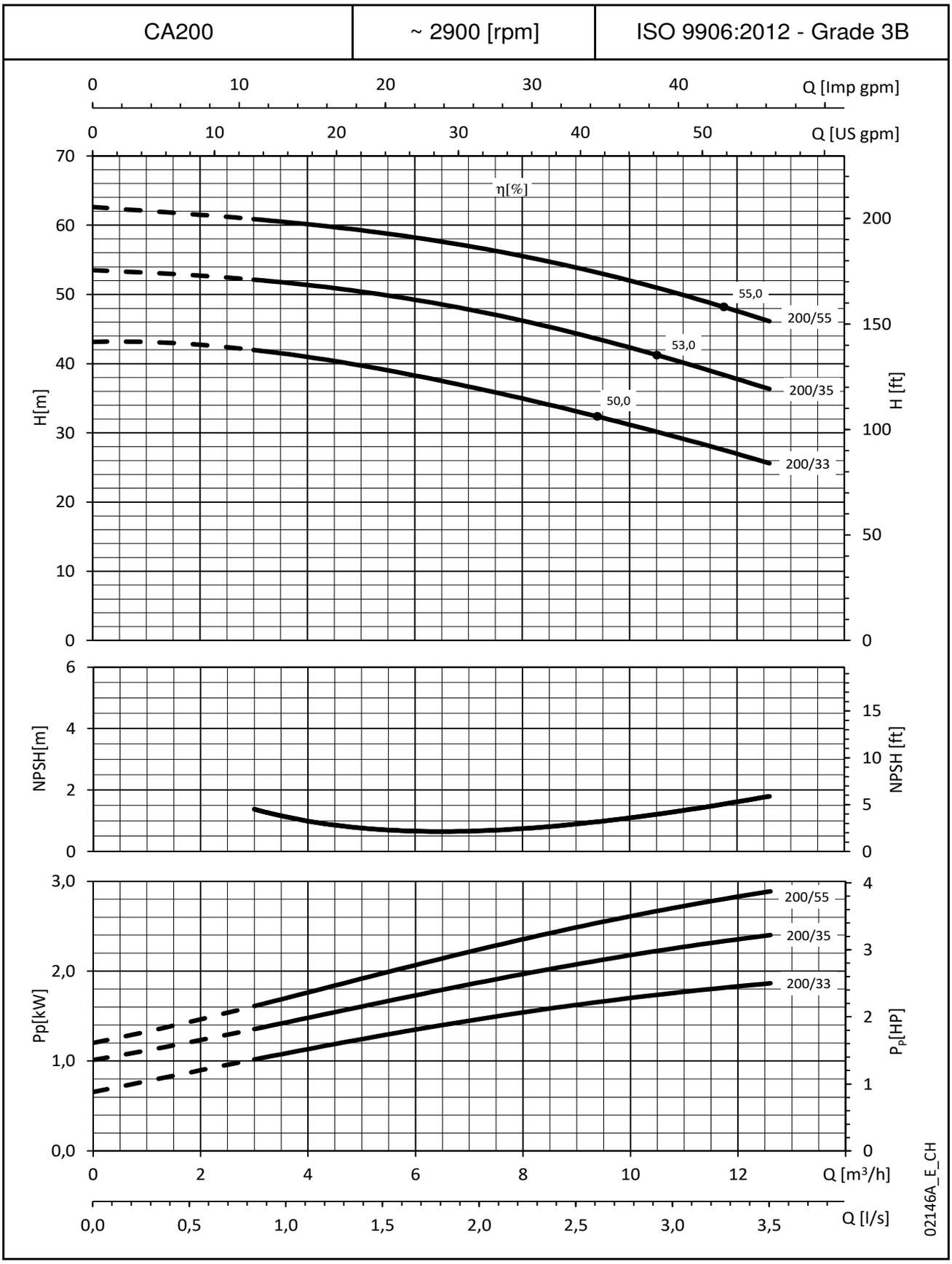
CA120 / CAM120	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

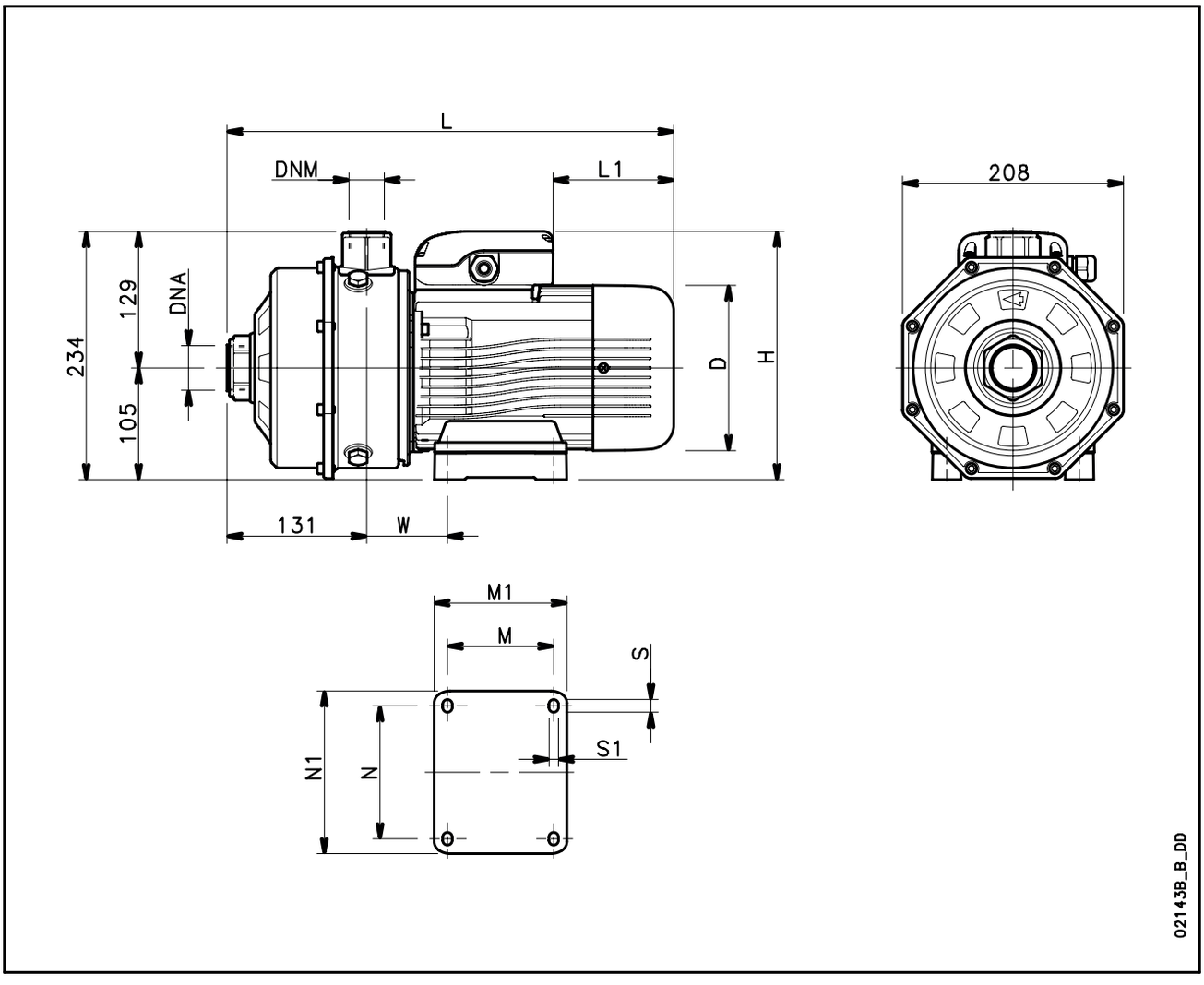
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

CA200	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 Kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz



PUMP TYPE	DIMENSIONS (mm)											DNA	DNM	WEIGHT
	D	H	L	L1	M	M1	N	N1	S	S1	W			kg
CAM70/33/C	156	242	420	69	100	125	125	153	12	9	76	Rp 1¼	Rp 1	16
CAM70/34/C	156	242	420	69	100	125	125	153	12	9	76	Rp 1¼	Rp 1	16
CAM70/44/C	156	242	420	69	100	125	125	153	12	9	76	Rp 1¼	Rp 1	16
CAM120/33/C	174	265	454	58	125	155	140	170	13	10	98	Rp 1¼	Rp 1	28
CAM120/34/C	174	265	454	58	125	155	140	170	13	10	98	Rp 1¼	Rp 1	28
CA70/33/D	155	234	420	114	100	125	125	153	12	9	76	Rp 1¼	Rp 1	17
CA70/34/D	155	234	420	114	100	125	125	153	12	9	76	Rp 1¼	Rp 1	17
CA70/45/D	155	234	420	114	100	125	125	153	12	9	76	Rp 1¼	Rp 1	19
CA120/33/D	155	234	420	114	100	125	125	153	12	9	76	Rp 1¼	Rp 1	19
CA120/35/D	155	234	420	114	100	125	125	153	12	9	76	Rp 1¼	Rp 1	20
CA120/55/D	174	239	454	172	125	155	140	170	13	10	98	Rp 1¼	Rp 1	25
CA200/33/D	174	239	454	172	125	155	140	170	13	10	98	Rp 1½	Rp 1	25
CA200/35/D	174	239	454	172	125	155	140	170	13	10	98	Rp 1½	Rp 1	25
CA200/55/D	174	239	454	172	125	155	140	170	13	10	98	Rp 1½	Rp 1	27

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