CEA-CA SERIES

STAINLESS STEEL THREADED CENTRIFUGAL PUMPS

Wide range of pumps for domestic and industrial applications.
Single-impeller (CEA) and dual-impeller (CA) models available.

- ❑ **IN THE STANDARD VERSION ALL COMPONENTS IN CONTACT WITH THE PUMPED LIQUID ARE MADE OF STAINLESS STEEL (AISI 304 OR AISI 316)**
- ❑ **IP 55 MOTOR PROTECTION**

APPLICATIONS

- **Handling of liquids compatible with AISI 304 stainless steel in a wide variety of civil and industrial systems.**
- Water circulation for domestic use.
- Sprinkler systems.
- Composition of surge tank units for pressure boosting in various applications.

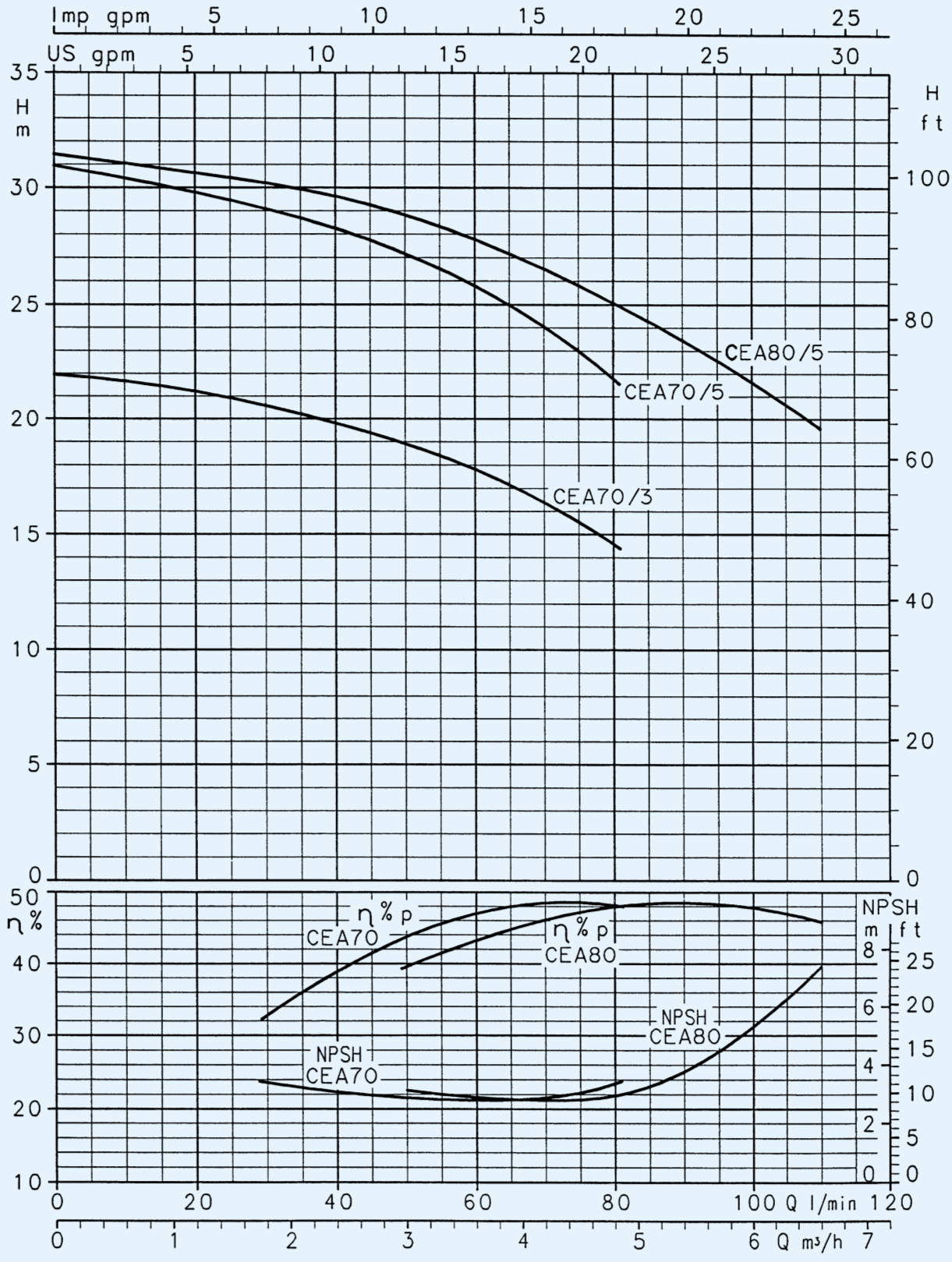
SPECIFICATIONS

- **Single-impeller CEA series, dual-impeller CA series.**
- **Delivery:** up to **30 m³/h.**
- **Head:** up to **62 m.**
- **Maximum** operating **pressure: 8 bar.**
- **Continuous duty.**
- **Temperature of pumped liquid: -10°C to 85°C (special CEA-V CA-V version, with O-ring or FPM seals, is available for temperatures up to +110°C).**
- Enclosed motor with external ventilation and aluminium alloy finned casing.
- Versions:
  Single-phase 220-240 V 50 Hz, permanently connected capacitor and built-in automatic reset overload protection.
  Three-phase 220-240/380-415 V 50 Hz, overload protection to be provided by user.
- Power up to 3 kW.
- Class **F Insulation.**
- **IP 55 protection.**

TABLE OF MATERIALS

PART	MATERIAL	
	CEA	CA
Pump body, Flange, Seal housing, Diffuser, Impeller	STAINLESS STEEL (AISI 304 - DIN 1.4301)	
Shaft extension	STAINLESS STEEL (AISI 316 - DIN 1.4571)	STAINLESS STEEL (AISI 304 - DIN 1.4301)
Fill and drain plugs	STAINLESS STEEL (AISI 316 - DIN 1.4571)	
Mechanical seal	CARBON/CERAMIC	
O-ring seals	NBR	

CEA70-CEA80 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz

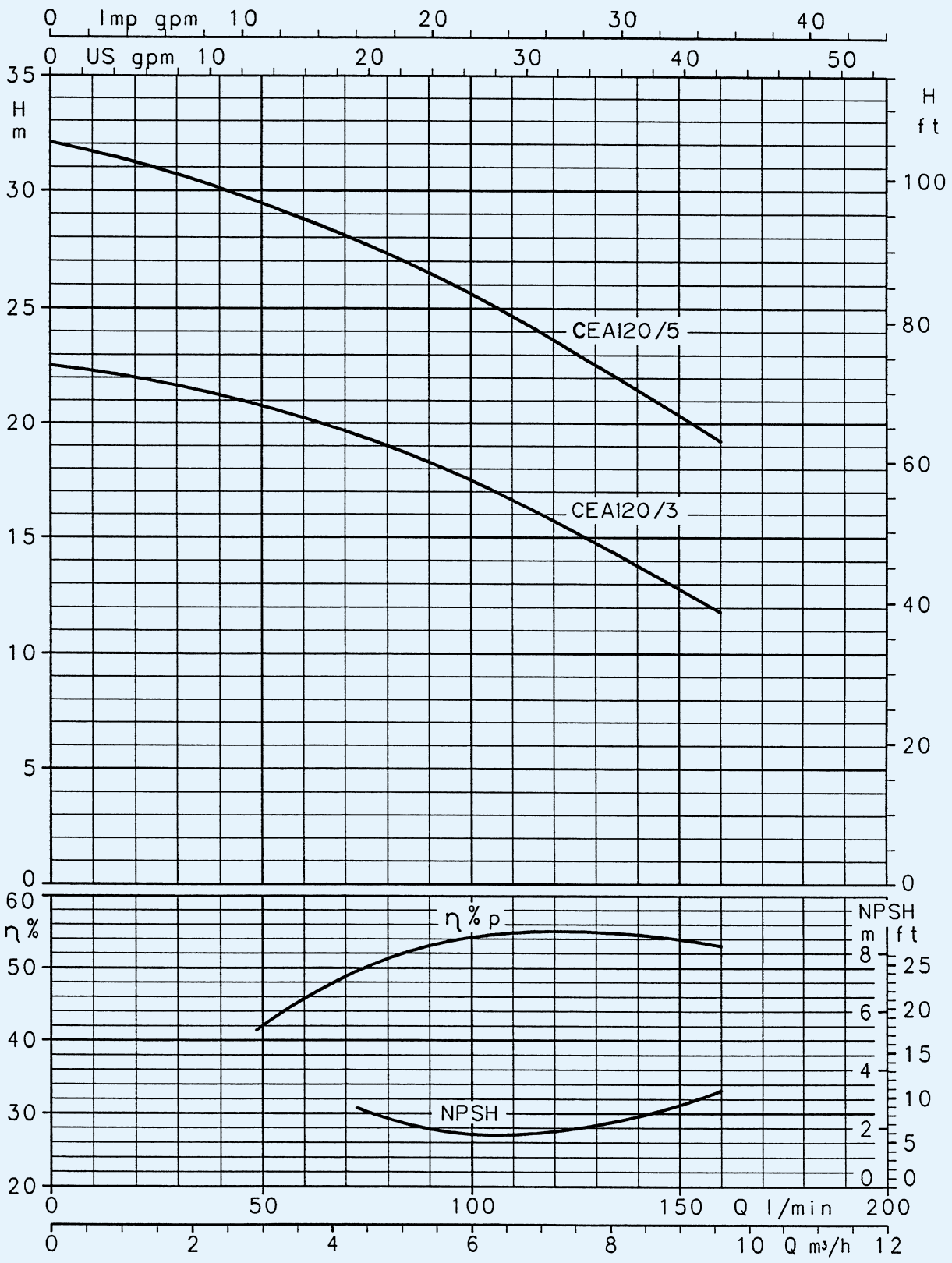


These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity γ = 1 mm²/sec.

CEA-CA

LOWARA

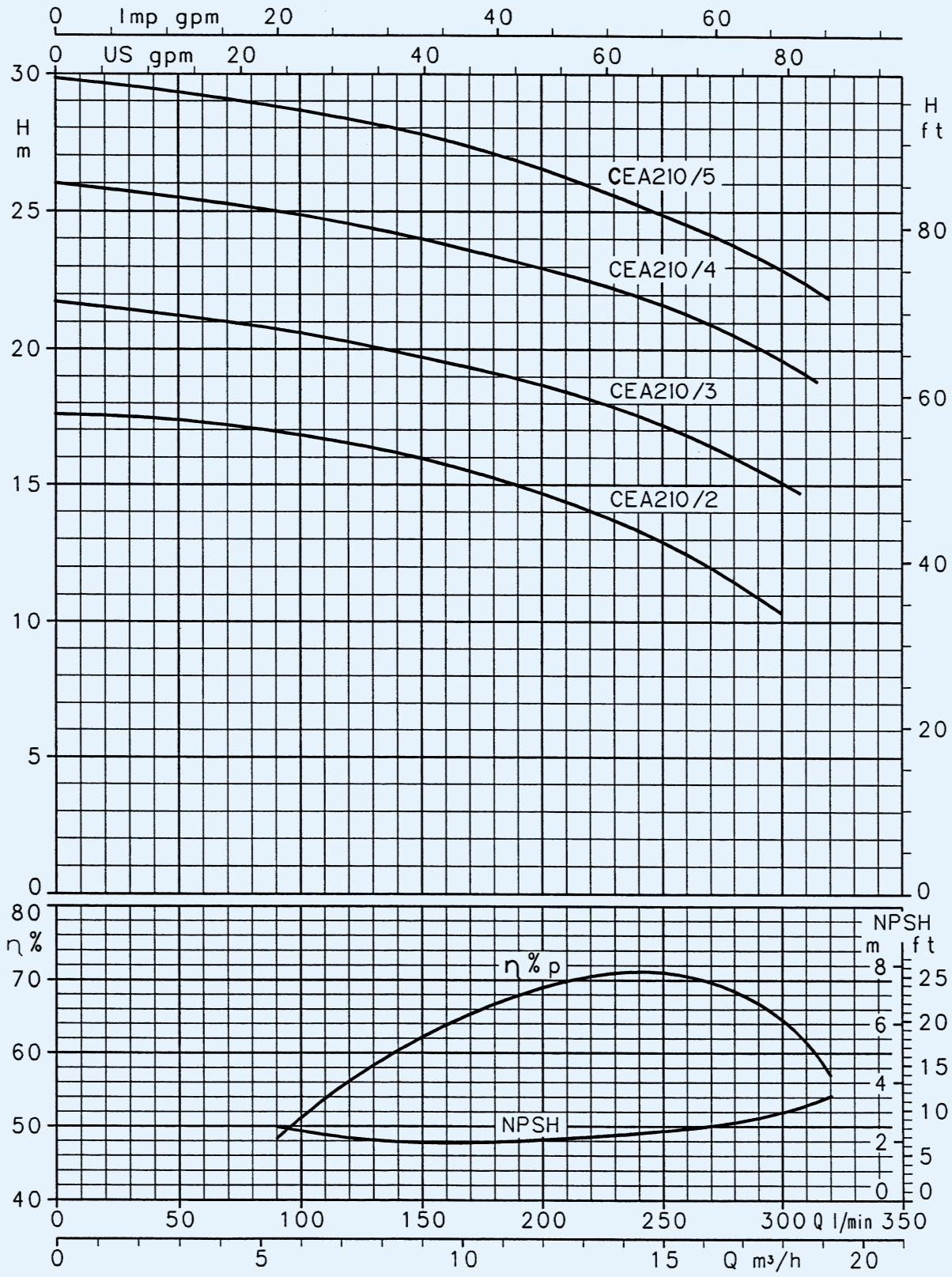
CEA120 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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

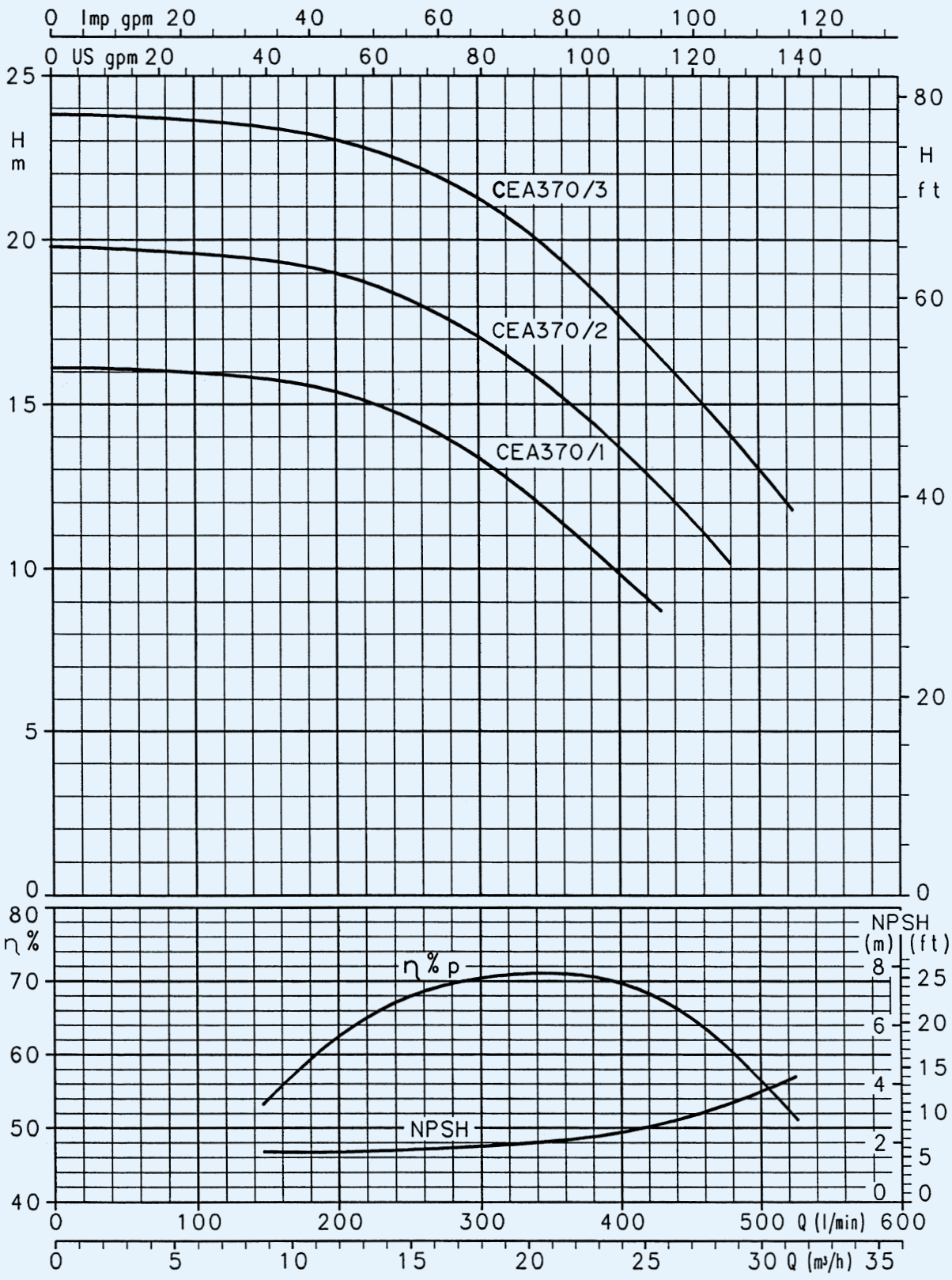
CEA-CA

CEA210 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



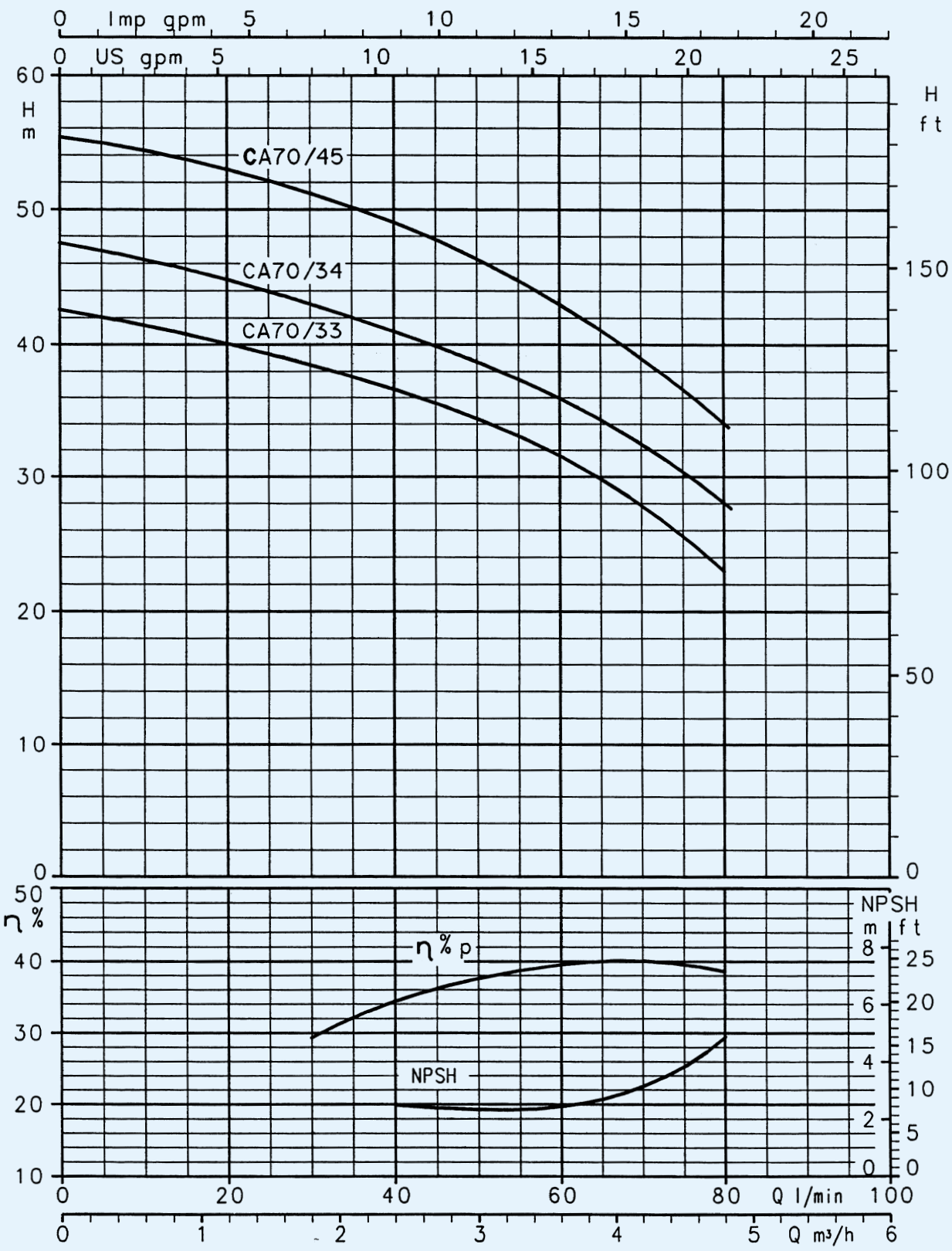
These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity γ = 1 mm²/sec.

CEA370 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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

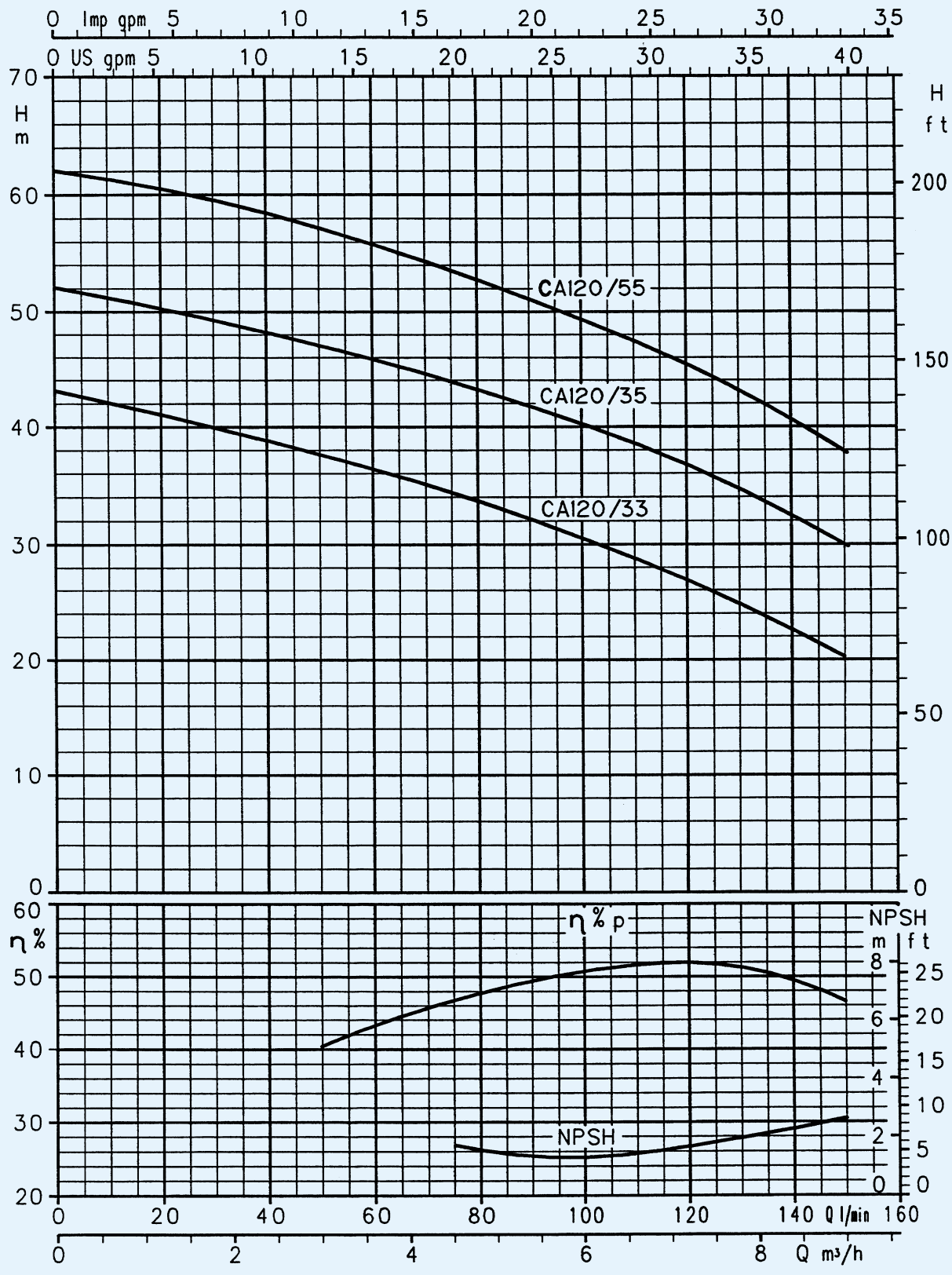
CA70 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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

CEA-CA

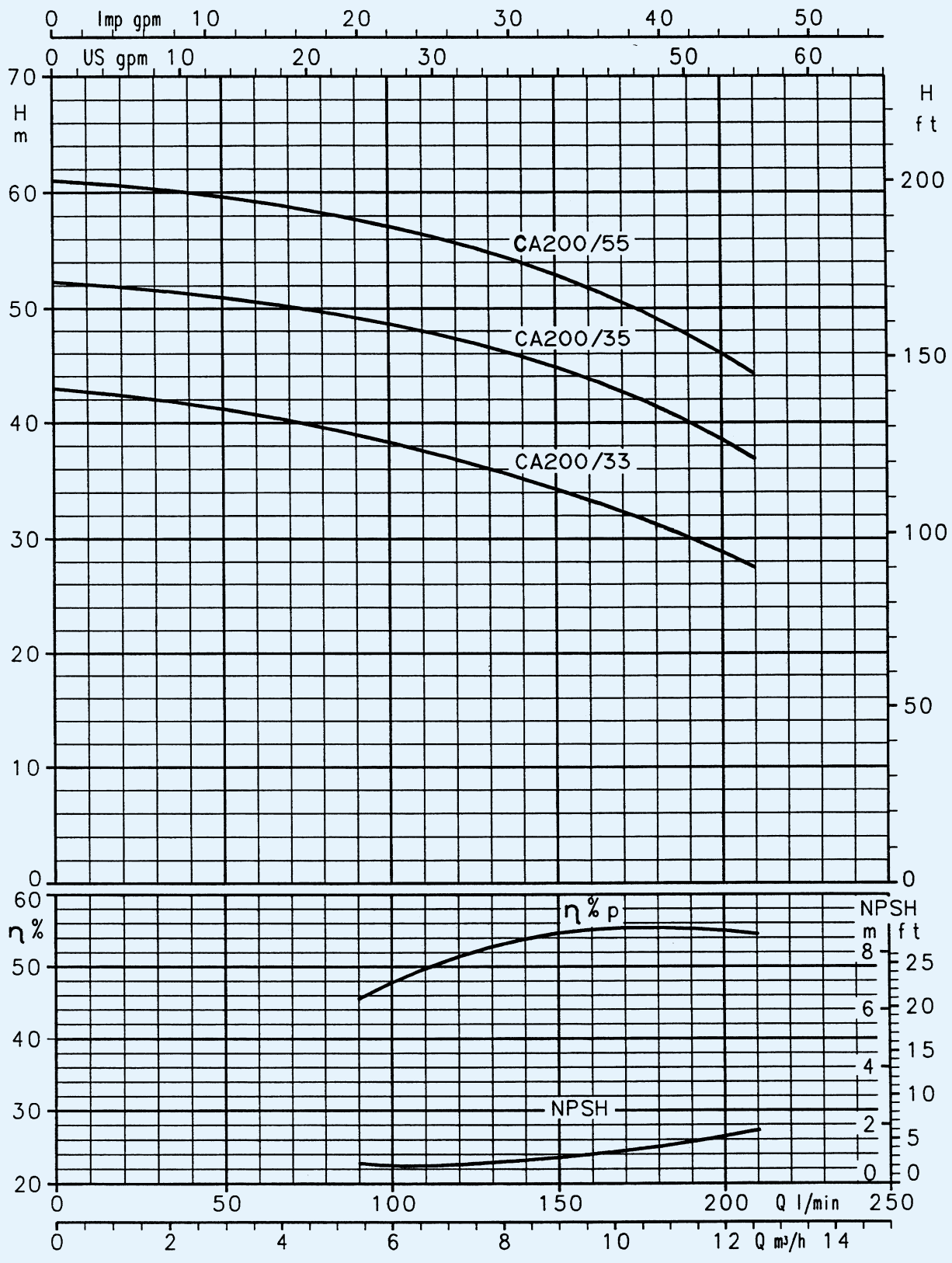
CA120 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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

CEA-CA

CA200 SERIES
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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

CEA-CA

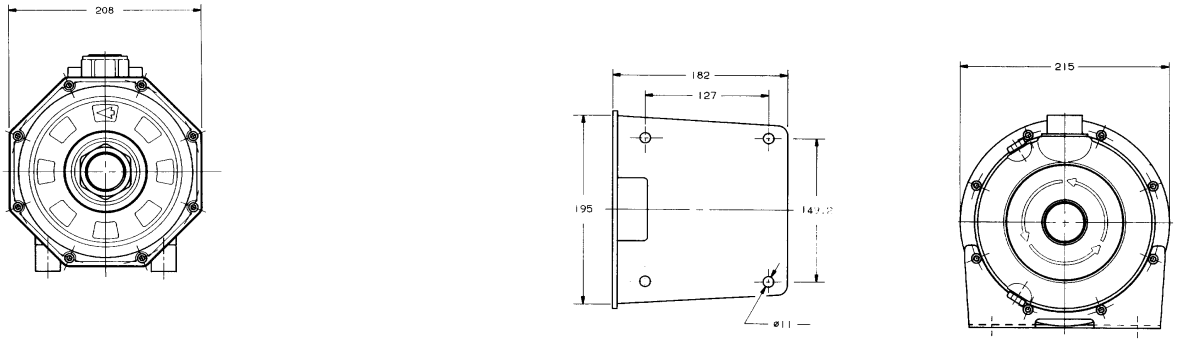
CEA-CA SERIES HYDRAULIC PERFORMANCE TABLE AT 2850 rpm 50 Hz

PUMP TYPE		kW	HP	CAPACITOR		INPUT CURRENT IN Amp.		Q = DELIVERY																
								l/min	0	20	40	60	80	100	120	140	160	200	250	300	350	400	450	500
SINGLE-PHASE 220-240 V	THREE-PHASE 380-415 V			µF	V	SINGLE-PHASE 220-240 V	THREE-PHASE 380-415 V	m³/h	0	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	12	15	18	21	24	27	30
								H = TOTAL HEAD METERS COLUMN OF WATER																
CEAM 70/3	CEA 70/3	0,37	0,5	12,5	450	2,6	1,2	22	21	20	18	14,5												
CEAM 70/5	CEA 70/5	0,55	0,75	18	450	4,2	1,7	31	30	28	26	22												
CEAM 80/5	CEA 80/5	0,75	1	22	450	4,8	2,1	31,5	30,5	29,5	28	25	21,5											
CEAM 120/3	CEA 120/3	0,55	0,75	18	450	3,8	1,6	22,5	22	21	20	19	17,5	16	14	12								
CEAM 120/5	CEA 120/5	0,9	1,2	22	450	6	2,4	32	31	30	29	27	25,5	23,5	21,5	19								
CEAM 210/2	CEA 210/2	0,75	1	22	450	5,2	2,2					17	17	16,5	16	16	14,5	13	10,5					
CEAM 210/3	CEA 210/3	1,1	1,5	30	450	7,4	2,8					21	20,5	20,5	20	19,5	18,5	17	15					
CEAM 210/4	CEA 210/4	1,5	2	40	450	9	3,6					25	25	24,5	24	24	23	21,5	19,5					
CEAM 210/5	CEA 210/5	1,85*	2,5*	50	450	11	4,4					29	28,5	28,5	28	27,5	26,5	25	23					
CEAM 370/1	CEA 370/1	1	1,5	30	450	7,4	2,9								16	15,5	15,5	14,5	13,5	11,5	10			
CEAM 370/2	CEA 370/2	1,5	2	40	450	10,4	3,7								19,5	19,5	19	18	17	15,5	14	11,5		
CEAM 370/3	CEA 370/3	1,85*	2,5*	50	450	11,5	4,6								23,5	23,5	23	22,5	21	19,5	18	15,5	13	
CAM 70/33	CA 70/33	0,75	1	22	450	5	2,1	43	40	37	32	23												
CAM 70/34	CA 70/34	0,9	1,2	22	450	5,8	2,4	47	45	41	36	28												
CAM 70/45	CA 70/45	1,1	1,5	30	450	8,1	3	55	53	49	43	34												
CAM 120/33	CA 120/33	1,1	1,5	30	450	7	2,8	43	41	39	36	34	30	27	23									
CAM 120/35	CA 120/35	1,5	2	40	450	9,5	3,8	53	53	52	50	48	44	40	35									
CAM 120/55	CA 120/55	1,85*	2,5*	50	450	12,2	4,6	62	60	58	56	53	49	45	41									
CAM 200/33	CA 200/33	1,85*	2,5*	50	450	11,5	4,7	43	42	42	41	40	38	37	35	33	29							
	CA 200/35	2,2	3				5,2	52	52	51	50	50	49	47	46	44	38							
	CA 200/55	3	4				6,5	61	61	60	59	58	57	56	54	52	46							

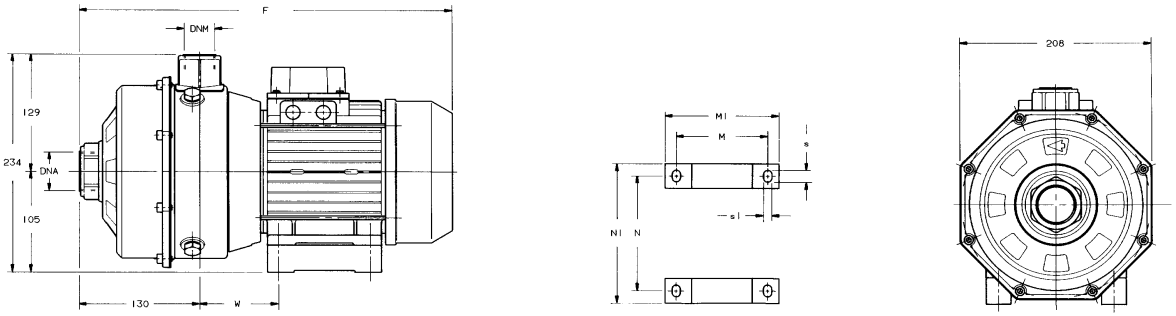
***** CEAM = 2,2 kW (3HP)

DIMENSIONS AND WEIGHTS, CEA-CA SERIES

CEA SERIES SINGLE-IMPELLER PUMPS (low head)



CA SERIES DOUBLE-IMPELLER PUMPS (medium head)



CEA-CA

PUMP TYPE	kW	DIMENSIONS IN mm									WEIGHT
		A	F	H	H1	H2	H3	W	DNA	DNM	kg
CEA 70/3	0,37										10,1
CEA 70/5	0,55										11,5
CEA 80/5	0,75	51	328	220		111	213	65	Rp 1"¼	Rp 1"	12,1
CEA 120/3	0,55										11,3
CEA 120/5	0,9										14,7
CEA 210/2	0,75		342		109						12,1
CEA 210/3	1,1								Rp 1"½		14,8
CEA 210/4	1,5										16,4
CEA 210/5	1,85	54	382	222		113	225	76		Rp 1"¼	19,2
CEA 370/1	1,1								Rp 2"		14,8
CEA 370/2	1,5										16,3
CEA 370/3	1,85										19,2
CEAM 70/3	0,37										10,1
CEAM 70/5	0,55										11,5
CEAM 80/5	0,75	51	328	220		111	213	65	Rp 1"¼	Rp 1"	12,1
CEAM 120/3	0,55										11,3
CEAM 120/5	0,9										14,7
CEAM 210/2	0,75		342		109						12,1
CEAM 210/3	1,1		382				225		Rp 1"½		14,8
CEAM 210/4	1,5		416				230				21,5
CEAM 210/5	1,85	54	416	222		113	230	76		Rp 1"¼	22
CEAM 370/1	1,1		382				225		Rp 2"		14,8
CEAM 370/1	1,5		416				230				21,5
CEAM 370/3	2,2		416				230				22

PUMP TYPE	kW	DIMENSIONS IN mm										WEIGHT
		F	M	M1	N	N1	s	s1	W	DNA	DNM	kg
CA 70/33	0,75	373	90	112	112	135	12	7	75			13,5
CA 70/34	0,9	373	90	112	112	135	12	7	75			13,5
CA 70/45	1,1									Rp 1"¼		16,5
CA 120/33	1,1											16,2
CA 120/35	1,5	403	100	124	125	152			84		Rp 1"	17,9
CA 120/55	1,85						13	9				21
CA 200/33	1,85											21
CA 200/35	2,2	450	125	156	140	170			98	Rp 1"½		21,9
CA 200/55	3	450	125	156	140	170			98			23,9
CAM 70/33	0,75	373	90	112	112	135	12	7	75			13,5
CAM 70/34	0,9	373	90	112	112	135	12	7	75			13,5
CAM 70/45	1,1	403	100	124	125	152			84	Rp 1"¼		16,5
CAM 120/33	1,1	403	100	124	125	152			84		Rp 1"	16,2
CAM 120/35	1,5						13	9				23
CAM 120/55	1,85	450	125	156	140	170			98	Rp 1"¼		23
CAM 200/33	1,85									Rp 1"½		23,8