LOWARA CEA

304/316 stainless steel centrifugal pumps

Standard centrifugal pumps

Description

Lowara CEA series are designed to pump non-aggressive water and clean liquids in agricultural and various industrial applications. These pumps are available in a single phase version (CEAM) and a three phase version (CEA). The CEA series are also available with a pump body entirely made of 316 stainless steel (N-version) to pump aggressive liquids.

Applications

- water distribution
- washing machines
- reverse osmosis
- swimming pools
- circulation of hot and cold liquids

Specifications

- suitable for water, clean liquids and continuously duty
- passes solids: CO350: 11 mm, CO500: 20 mm
- body: 304 or 316 stainless steel, Viton® FPM O-rings
- impeller: 304 or 316 stainless steel
- capacity: up to 31 m³/h
- head: up to 30 m
- maximum pressure: 8 bar
- liquid temperature: max +110 °C
- standard motor IE2/IE3
- insulation class: F
- protection: IP55
- suction end: 1¼" up to 2"
- pressure end: 1" and 1¼"
- motor power P2: up to 3,0 kW
- single phase version with thermal overload protection
- power supply:
  - single phase 220-240 Volt 50 Hz (CEAM)
  - three phase 220-240/380-415 Volt 50 Hz
- available for the North American market on request (cURus)

Hydraulic performance CEA series at 50 Hz, 2-pole

PUMP TYPE	RATED POWER		Q = CAPACITY																	
			l/min 0	30	40	60	80	100	120	140	160	180	200	250	300	350	400	430	480	520
			m³/h 0	1,8	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	12	15	18	21	24	26	29	31
	kW	pk	H=TOTAL HEAD IN METRES COLUMN OF WATER																	
CEA(M) 70/3	0,37	0,5	22	20,1	19,1	16,6	12,8													
CEA(M) 70/5	0,55	0,75	31,1	28,8	27,7	24,7	20,2													
CEA(M) 80/5	0,75	1	32	30	29,3	27,4	24,7	21												
CEA(M) 120/3	0,55	0,75	22,4			18,9	17,5	15,9	14	11,8	9,2									
CEA(M) 120/5	0,9	1,2	31,8			28,2	26,5	24,6	22,4	20	17,3									
CEA(M) 210/2	0,75	1	17,7						16,5	16,1	15,6	15	14,4	12,6	10,4					
CEA(M) 210/3	1,1	1,5	20,8						19,7	19,3	19	18,5	18	16,5	14,4					
CEA(M) 210/4	1,5	2	25,5						24,8	24,5	24	23,6	23	21,3	19					
CEA(M) 210/5	1,85	2,5	29						28,2	27,9	27,5	27,1	26,6	25,1	23,1					
CEA(M) 370/1	1,1	1,5	16,3									15,5	15,2	14,3	13	11,4	9,4	8,1		
CEA(M) 370/2	1,5	2	20,4										19,1	18,3	17,2	15,8	14,1	13	10,8	
CEA 370/3	1,85	2,5	24,4										22,9	22,1	21,1	19,8	18,2	17,1	15	13
CEA370/5	3	4	30,3										28,3	27,5	26,5	25,3	23,8	22,8	21	19,0

Electrical motor data CEA series at 50 Hz, 2-pole

PUMP TYPE 1~	INPUT POWER* kW	INPUT CURRENT* 220-240V A	CAPICITOR µF / 450V
CEAM 70/3	0,60	2,72	14
CEAM 70/5	0,97	4,55	16
CEAM 80/5	1,07	4,87	20
CEAM 120/3	0,91	4,33	16
CEAM 120/5	1,39	6,24	25
CEAM 210/2	1,13	5,10	20
CEAM 210/3	1,48	6,68	30
CEAM 210/4	1,91	8,60	40
CEAM 370/1	1,49	6,75	30
CEAM 370/2	2,05	9,26	40

* Maximum value in specific range

** Electric pumps equipped with PLM motor

PUMP TYPE 3~	INPUT POWER* kW	INPUT CURRENT* 220-240V A	INPUT CURRENT 380-415V A
CEA 70/3	0,61	2,51	1,45
CEA 70/5	0,88	2,86	1,65
CEA 80/5	1,06	3,65	2,11
CEA 120/3	0,82	2,74	1,58
CEA 120/5	1,32	4,52	2,61
CEA 210/2	1,12	3,76	2,17
CEA 210/3	1,43	4,68	2,70
CEA 210/4	1,84	6,04	3,49
CEA 210/5	2,28	8,35	4,82
CEA 370/1	1,44	4,71	2,72
CEA 370/2	1,99	6,32	3,65
CEA 370/3	2,47	8,63	4,98
CEA 370/5**	3,32	10,3	5,96