

# LOWARA CO

stainless steel 316 centrifugal pumps  
with semi-open impeller



[Standard centrifugal pumps](#) [Drainage pumps](#)

## Description

Lowara CO series are designed to pump non-aggressive water and clean liquids in agricultural and various industrial applications. The open impeller pumps solids up to 20 mm depending on the model. CO models are standard equipped with Vit/SiC/Widia seal and Viton® FPM O-rings. The hydraulic parts of this pump are entirely made of 316 stainless steel.

## Applications

- o industrial washing machines for washing mechanical parts
- o washing machines for food industries
- o commercial and industrial dishwashers
- o circulation and transfer of moderately viscous liquids, with light aggressiveness
- o circulation of light oil and cleaning liquids

## Specifications

- o suitable for water, clean liquids and continuously duty
- o passes solids: CO350: 11 mm, CO500: 20 mm
- o body: 316 stainless steel
- o impeller: 316 stainless steel
- o capacity: up to 54 m<sup>3</sup>/h
- o head: up to 21 m
- o maximum pressure: 8 bar
- o liquid temperature: -10 °C up to +110 °C
- o standard motor IE2/IE3
- o insulation class: F
- o protection: IP55
- o suction end: 1½" and 2"
- o pressure end: 1¼" and 1½"
- o motor power P2: up to 3,0 kW
- o single phase version with thermal overload protection
- o power supply:
  - single phase 220-240 Volt 50 Hz (COM)
  - three phase 220-240/380-415 Volt 50 Hz
- o available for the North American market on request (cURus)



## Hydraulic performance CO series at 50 Hz, 2-pole

PUMP TYPE			Q = CAPACITY																	PASSES SOLIDS (mm)	
			l/min	100	120	160	200	240	280	300	350	375	400	450	500	600	650	700	800		900
			m <sup>3</sup> /h	6	7,2	9,6	12	14,4	16,8	18	21	22,5	24	27	30	36	39	42	48		54
		H=TOTAL HEAD IN METRES COLUMN OF WATER																			
kW	pk																				
CO(M) 350/03	0,37	0,5	9,5	6,8	6,3	5,5	4,8	4,1	3,4	3,0										11	
CO(M) 350/05	0,55	0,75	12,0	9,2	8,8	7,9	7,1	6,3	5,5	5,1	4,0									11	
CO(M) 350/07	0,75	1	13,7	11,2	10,8	9,9	9,1	8,2	7,4	6,9	5,8	5,3								11	
CO(M) 350/09	0,9	1,2	15,7	12,7	12,2	11,3	10,5	9,6	8,8	8,3	7,2	6,6	5,9							11	
CO(M) 350/11	1,1	1,5	17,3	14,3	13,8	12,9	12,0	11,2	10,5	10,1	9,1	8,6	8,0	6,8						11	
CO(M) 350/15	1,5	2	20,3	16,9	16,4	15,3	14,4	13,5	12,7	12,2	11,2	10,6	10,0	8,7	7,2					11	
CO(M) 500/15	1,5	2	16,0				13,4	12,8	12,3	12,0	11,3	10,9	10,5	9,8	9,0	7,4	6,6	5,8		20	
CO(M) 500/22	2,2	3	19,6				17,3	16,7	16,2	15,9	15,2	14,9	14,5	13,7	13,0	11,3	10,4	9,6	7,7	20	
CO 500/30	3	4	24,1				20,9	20,3	19,7	19,3	18,5	18,1	17,7	16,9	16,0	14,3	13,5	12,6	10,8	9,0	20

## Electrical motor data CO series at 50 Hz, 2-pole

PUMP TYPE	MOTOR TYPE	INPUT POWER kW	INPUT CURRENT 220-240 V A	CAPICITOR μF / 450 V
COM350/03	SM63BG/1045	0,63	2,82	14
COM350/05	SM71BG/1055	0,88	4,25	16
COM350/07	SM71BG/1075	1,02	4,67	20
COM350/09	SM71BG/1095	1,21	5,46	25
COM350/11	SM80BG/1115	1,75	7,85	30
COM350/15	SM80BG/1155	2,04	9,21	40
COM500/15	SM80BG/1155	2,02	9,12	40
COM500/22	PLM90BG/1225	2,72	12,7	70
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PUMP TYPE	MOTOR TYPE	INPUT POWER kW	INPUT CURRENT 220-240 V A	INPUT CURRENT 380-415 V A
CO350/03	SM63BG/304	0,64	2,53	1,46
CO350/05	SM71BG/305	0,79	2,70	1,56
CO350/07	SM80BG/307PE	0,92	2,96	1,71
CO350/09	SM80BG/311PE	1,08	3,72	2,15
CO350/11	SM80BG/311PE	1,61	4,87	2,81
CO350/15	SM80BG/315PE	1,87	5,75	3,32
CO500/15	SM80BG/315PE	1,84	5,70	3,29
CO500/22	PLM90BG/322	2,66	8,27	4,78
CO500/30	PLM90BG/330	3,80	11,4	6,57