



ITT

Lowara

General Catalogue

CO Series

1

Threaded centrifugal pumps with open impeller. These pumps combine the advantages of an open impeller with those of AISI 316 stainless steel which is particularly suited for pumping moderately aggressive liquids containing suspended solids.

SPECIFICATIONS

Delivery: up to 54 m³/h

Head: up to 24 m

Power supply: three-phase and single-phase 50 and 60 Hz

Power: 0.37 kW to 3 kW

Maximum operating pressure:
8 bar

Temperature of pumped liquid:
-10°C to +120°C

Insulation class: F

Protection: IP55

Open impeller pumps solids up to:

CO350 - 11 mm

CO500 - 20 mm

MATERIALS

Pump body:

Stainless steel

Impeller:

Stainless steel

Seal housing:

Stainless steel

Mechanical seal:

Ceramic/Carbon/FPM

Fill and drain plugs:

Stainless steel

Elastomers: FPM

APPLICATIONS

- Pumping cooling liquid to machine tools
- Pressure boosting
- Industrial dishwashers
- Industrial washing equipment
- General industry
- Water treatment



For a complete list of technical information, consult www.lowara.com

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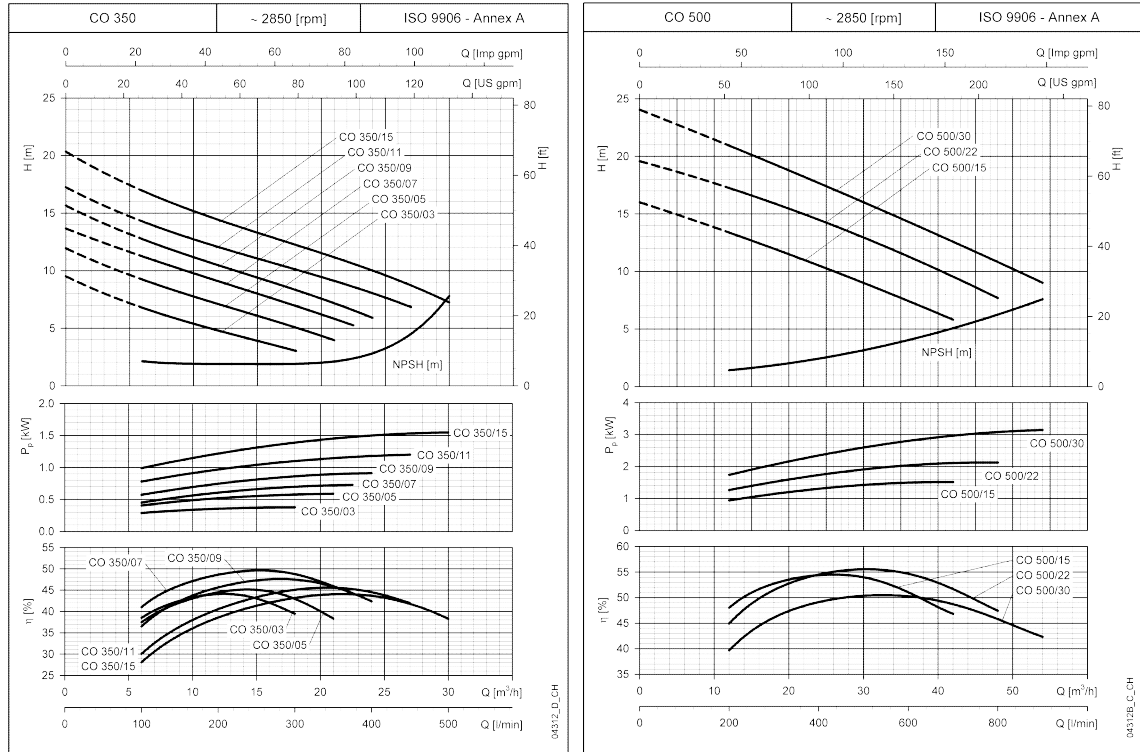
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CO SERIES OPERATING CHARACTERISTICS AT 50 Hz



These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

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HYDRAULIC PERFORMANCE TABLE

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PUMP TYPE	RATED		Q = DELIVERY																		
	POWER		l/min	0	100	120	160	200	240	280	300	350	375	400	450	500	600	650	700	800	900
			m³/h	0	6	7,2	9,6	12	14,4	16,8	18	21	22,5	24	27	30	36	39	42	48	54
	kW	HP	H = TOTAL HEAD IN COLUMN OF WATER (METRES)																		
CO(M) 350/03	0,37	0,5	9,5	6,8	6,3	5,5	4,8	4,1	3,4	3,0											
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										
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									
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								
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							
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						
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		
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	
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

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ELECTRICAL DATA

ELECTRIC PUMP TYPE SINGLE-PHASE	ABSORBED POWER*	ABSORBED CURRENT*	CAPACITOR
		220-240 V	
	kW	A	µF / 450 V
COM350/03	0,63	2,82	14
COM350/05	0,88	4,25	16
COM350/07	1,02	4,67	20
COM350/09	1,21	5,46	25
COM350/11	1,75	7,85	30
COM350/15	2,04	9,21	40
COM500/15	2,02	9,12	40
COM500/22	2,72	12,7	70
-	-	-	-

* Maximum values within the operating range.

ELECTRIC PUMP TYPE THREE-PHASE	ABSORBED POWER*	ABSORBED CURRENT*	ABSORBED CURRENT*
		220-240 V	380-415 V
	kW	A	A
CO 350/03	0,64	2,53	1,46
CO 350/05	0,79	2,7	1,56
CO 350/07	1	3,57	2,06
CO 350/09	1,13	4,21	2,43
CO 350/11	1,69	5,2	3
CO 350/15	1,98	6,3	3,64
CO 500/15	1,96	6,27	3,62
CO 500/22	2,73	9,06	5,23
CO 500/30	3,58	11,0	6,38

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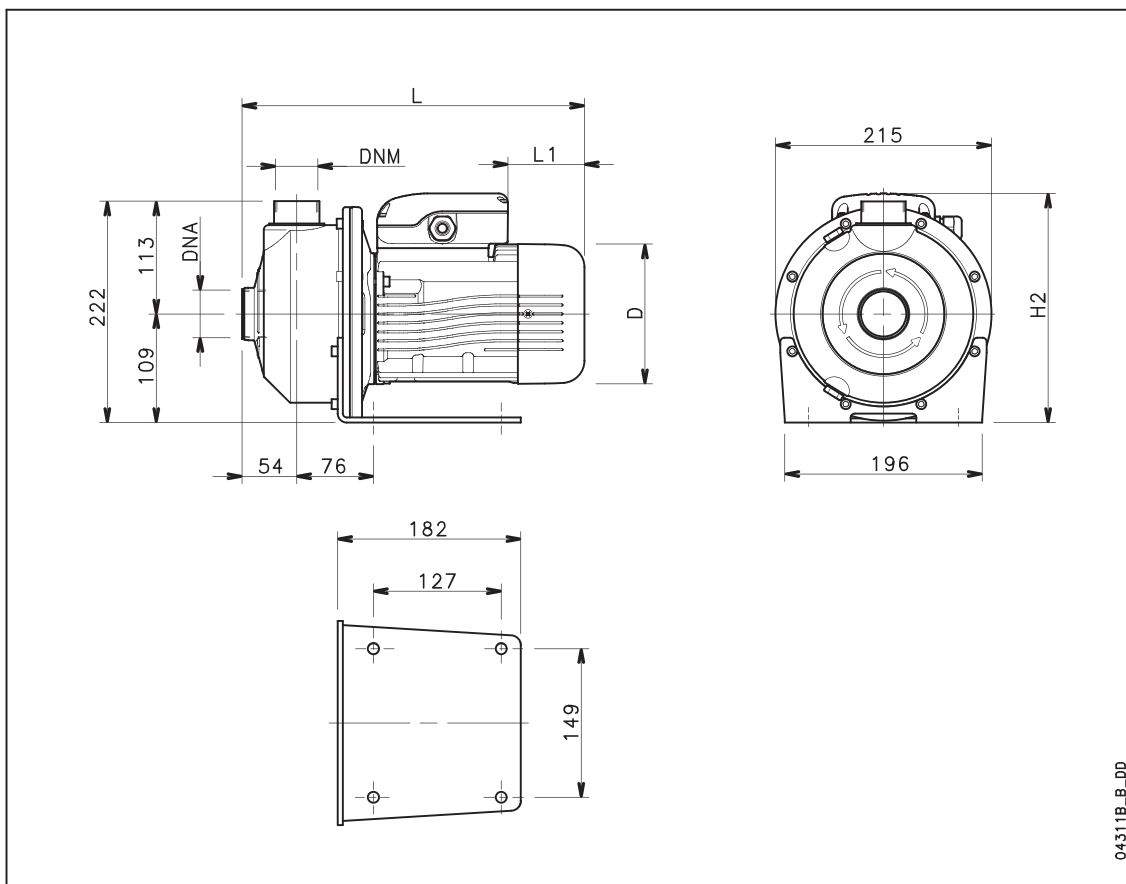
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CO SERIES - DIMENSIONS AND WEIGHTS



PUMP TYPE	DIMENSIONS (mm)				DNA	DNM	WEIGHT kg
	D	H2	L	L1			
COM 350/03	120	220	325	62	Rp 1½	Rp 1¼	10
COM 350/05	140	230	339	76	Rp 1½	Rp 1¼	11,9
COM 350/07	140	230	339	76	Rp 1½	Rp 1¼	12,6
COM 350/09	140	239	339	31	Rp 1½	Rp 1¼	13,2
COM 350/11	156	246	385	69	Rp 1½	Rp 1¼	14,5
COM 350/15	156	246	385	69	Rp 1½	Rp 1¼	16,2
COM 500/15	156	246	385	69	Rp 2	Rp 1½	16,2
COM 500/22	174	243	429	84	Rp 2	Rp 1½	20
CO 350/03	120	220	325	62	Rp 1½	Rp 1¼	10
CO 350/05	140	230	339	76	Rp 1½	Rp 1¼	11,9
CO 350/07	140	230	339	76	Rp 1½	Rp 1¼	12,6
CO 350/09	140	230	339	76	Rp 1½	Rp 1¼	12,2
CO 350/11	156	238	385	114	Rp 1½	Rp 1¼	14,5
CO 350/15	156	238	385	114	Rp 1½	Rp 1¼	16,2
CO 500/15	156	238	385	114	Rp 2	Rp 1½	16,2
CO 500/22	156	238	385	114	Rp 2	Rp 1½	17,8
CO 500/30	174	243	429	172	Rp 2	Rp 1½	25

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