

CO SERIES

THREADED CENTRIFUGAL PUMPS WITH OPEN IMPELLER

These pumps combine the advantages of an open impeller with those of the AISI 316 stainless steel construction, which is particularly suited for handling moderately aggressive liquids with suspended solids.

- ❑ **ALL COMPONENTS IN CONTACT WITH PUMPED LIQUID ARE MADE OF AISI 316L STAINLESS STEEL**
- ❑ **MECHANICAL SEAL MADE OF SILICON CARBIDE/SILICON CARBIDE/FPM IN THE "K" VERSION**

APPLICATIONS

- Washing and surface treatment of metal parts.
- Washing of foodstuffs, produce, fish and shellfish.
- Oil and cleaner circulation systems.
- Machine tool cooling fluid circulation systems.
- Commercial dishwashers.
- Industrial washing machines.

SPECIFICATIONS

- **Open impeller handles solids up to 20 mm in diameter (10 mm for C0350 series pumps).**
- **Delivery up to 900 l/min (54m³/h).**
- **Head up to 24,5 m.**
- **Maximum operating pressure: 8 bar.**
- **Continuous duty.**
- **Temperature of pumped liquid: -10°C to +110°C.**
- Enclosed motor with external ventilation and aluminium alloy finned casing.
- Versions:
 - Single-phase** 220-240 V 50 Hz.
 - Three-phase** 220-240/380-415 V 50 Hz.
- Power up to 3 kW.
- Built-in automatic reset overload protection on single-phase version; to be provided by user for the three-phase version.
- Class **F Insulation.**
- **IP 55 protection.**

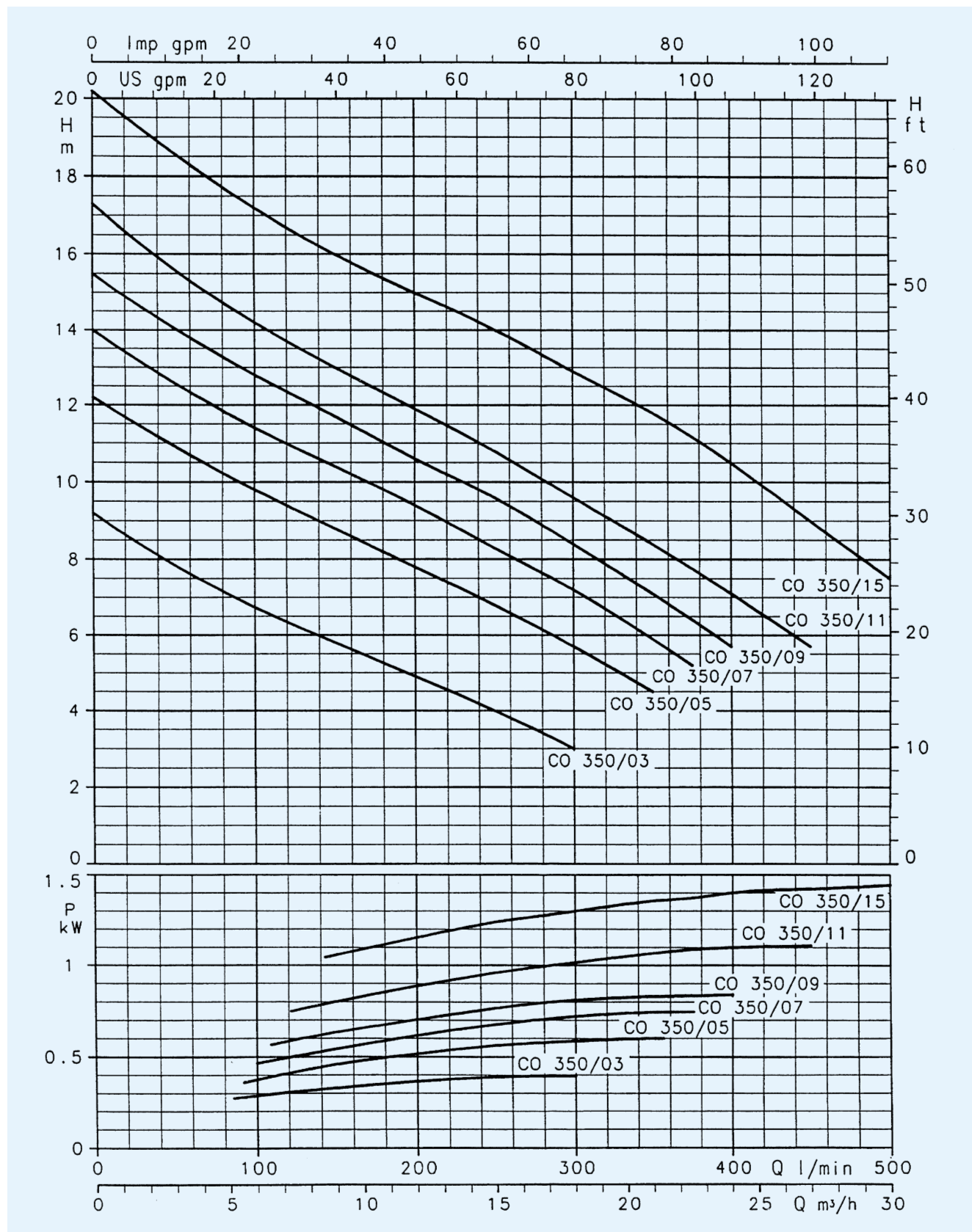


TABLE OF MATERIALS

PART	MATERIAL
Pump body, Flange, Seal-housing disk, Impeller	STAINLESS STEEL (AISI 316L - DIN 1.4404)
Shaft extension, Fill and drain plugs	STAINLESS STEEL (AISI 316 - DIN 1.4571)
Standard mechanical seal	CARBON/CERAMIC
"K" version mechanical seal	SILICON CARBIDE/SILICON CARBIDE
O-rings seals	FPM

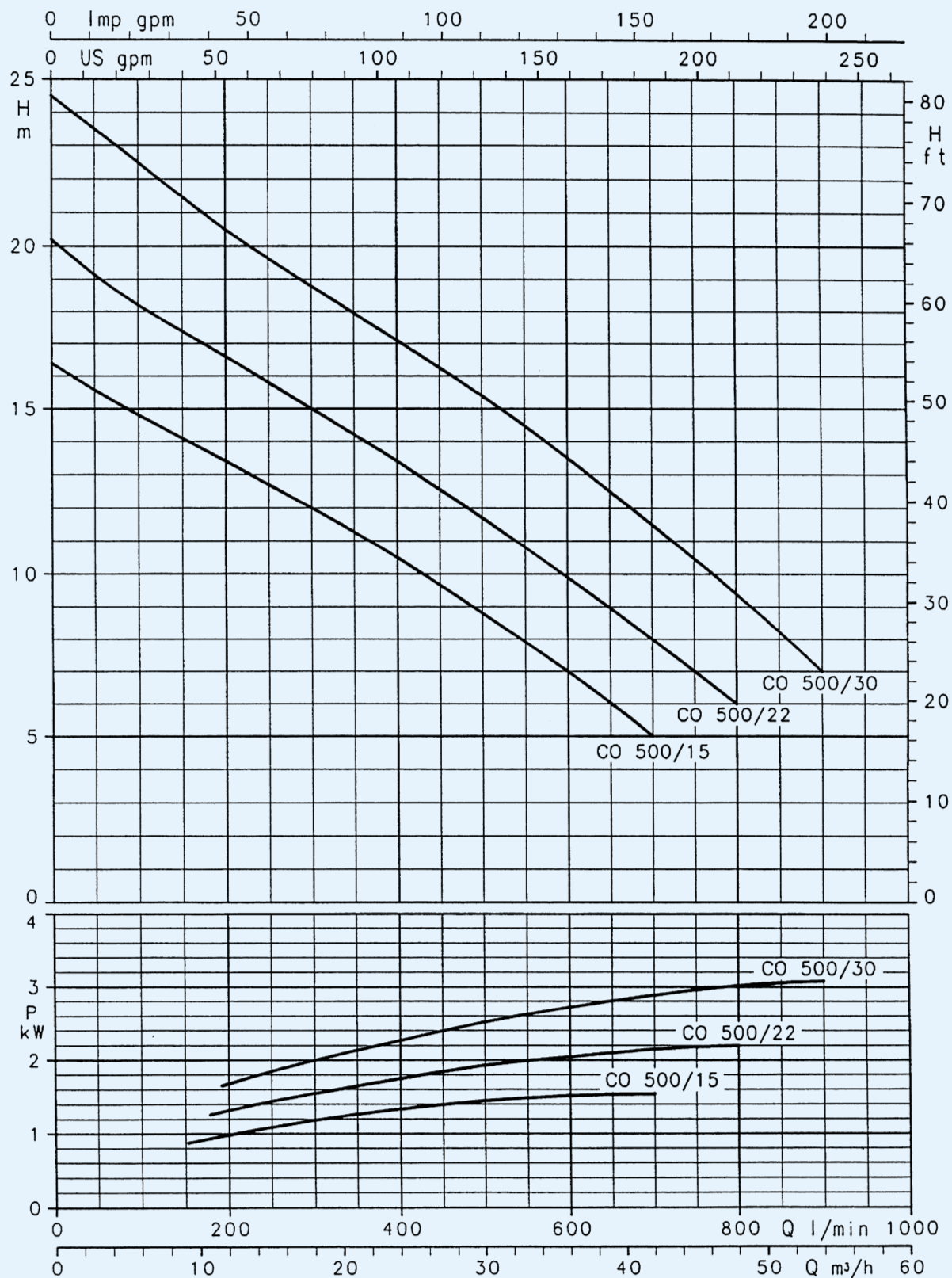
* Bare shaft version available
* 2 and 4 poles motor available

CO 350 SERIES OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



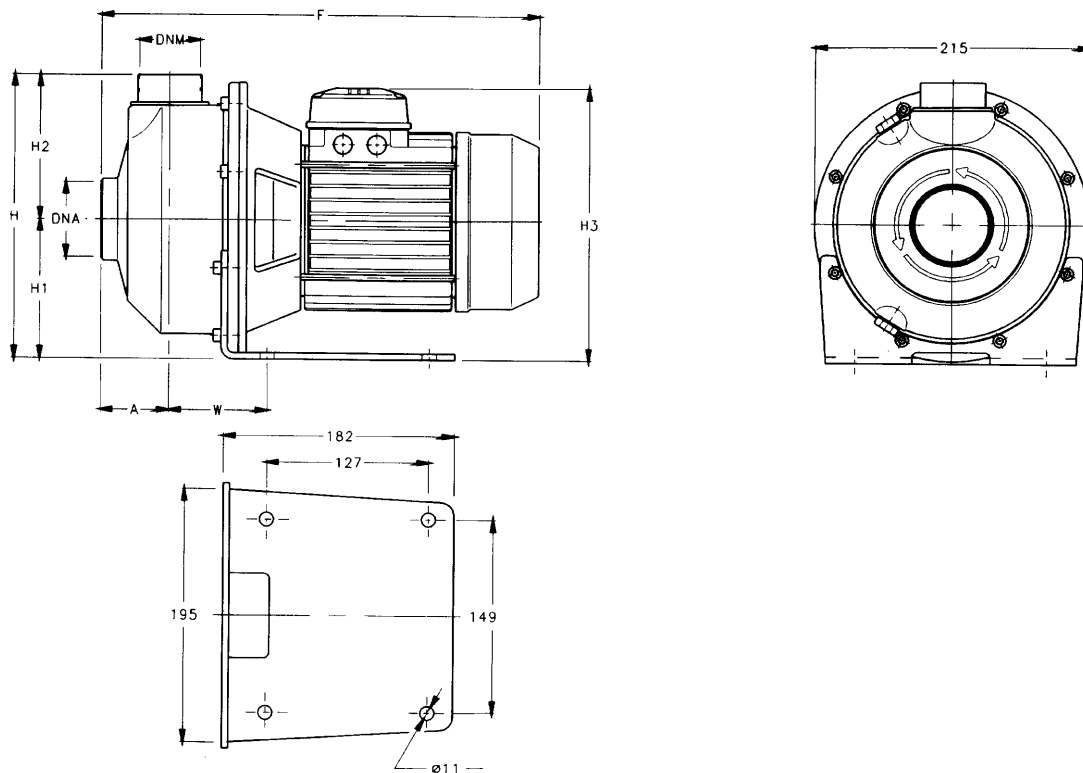
These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\gamma = 1 \text{ mm}^2/\text{sec}$.

CO 500 SERIES OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



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

DIMENSIONS AND WEIGHTS, CO SERIES



PUMP TYPE	kW	DIMENSIONS IN mm							DNA	DNM	WEIGHT			
		A	F	H	H1	H2	H3	W			kg			
COM 350/03	0,37	54	342	222	109	113	213	76	Rp 1 ¹ / ₂	Rp 1 ¹ / ₄	9,5			
CO 350/03	0,37										9,5			
COM 350/05	0,55										10,5			
CO 350/05	0,55										10,5			
COM 350/07	0,75										12			
CO 350/07	0,75										12			
COM 350/09	0,9										12			
CO 350/09	0,9										12			
COM 350/11	1,1		382				225				15,5			
CO 350/11	1,1		382				225				13,7			
COM 350/15	1,5		416				230				18,3			
CO 350/15	1,5		382				225				15,5			
COM 500/15	1,5		416				230		18,5					
CO 500/15	1,5		382				225		16					
COM 500/22	2,2		416				230				Rp 2"	Rp 1 ¹ / ₂	20,5	
CO 500/22	2,2												18,5	
CO 500/30	3												20,5	

CO SERIES HYDRAULIC PERFORMANCE TABLE AT 2850 rpm 50 Hz

PUMP TYPE		kW	HP	CAPACITOR		INPUT CURRENT			Q = DELIVERY												
SINGLE-PHASE 220-240 V	THREE-PHASE 220-240/ 380-415 V			μF	V	SINGLE- PHASE 220- 240 V	THREE-PHASE		l/min	0	100	150	200	250	300	400	500	600	700	800	900
							220- 240 V	380- 415 V	m³/h	0	6	9	12	15	18	24	30	36	42	48	56
H = TOTAL HEAD METERS COLUMN OF WATER																					
COM 350/03	CO 350/03	0,37	0,5	12,5	450	2,7	1,9	1,1	8,2	6,8	5,8	4,9	4	3							
COM 350/05	CO 350/05	0,55	0,75	18	450	4	2,8	1,6	12,2	9,8	8,8	7,8	6,8	5,7							
COM 350/07	CO 350/07	0,75	1	22	450	4,9	3,3	1,9	14	11,4	10,4	9,4	8,3	7,2							
COM 350/09	CO 350/09	0,9	1,2	22	450	5,6	3,6	2,1	15,5	12,8	11,7	10,6	9,6	8,4	5,7						
COM 350/11	CO 350/11	1,1	1,5	30	450	7,4	5	2,9	17,5	14,2	13	11,9	10,8	9,6	7,1						
COM 350/15	CO 350/15	1,5	2	40	450	9,8	6,4	3,7	20,2	17,2	16	15	14,1	12,9	10,5	7,5					
COM 500/15	CO 500/15	1,5	2	40	450	9,5	6,2	3,6	16,4			13,4	12,7	12	10,5	8,8	7	5			
COM 500/22	CO 500/22	2,2	3	50	450	13	8,7	5	20,2			16,6	15,8	15	13,4	11,7	9,9	8	6		
	CO 500/30	3	4	–	–	–	11,9	6,9	24,5			20,5	19,6	18,8	17,1	15,4	13,5	11,5	9,4	7	

