

CM

HORIZONTAL CENTRIFUGAL PUMPS

HIGHLY RELIABLE, STURDY, HIGH HYDRAULIC PERFORMANCE

The CM series of single impeller centrifugal pumps are silent with optimal hydraulic performance.

APPLICATIONS

- Lifting from wells for irrigation.
- Pressurization systems.
- Autoclaves for homes.
- Washing.

USAGE DATA

- Type of liquid: clear or slightly turbid non-abrasive water.
- Maximum temperature of the liquid 90°C (model CM 90/22 50°C).
- Maximum suction height recommended 5 m with foot valve.
- Maximum operating pressure:
6 bar for models HP 0.5.
8 bar for models HP 1 - 1.5 - 2.

MOTOR

- Closed, ventilated from outside.
- Degree of protection IP 44
- Insulation class F
- Single-phase power supply with capacitor permanently on and thermal protection built into the motor casing.
- Three-phase power supply with external protection provided by the user.
- Speed of rotation 2850 rpm.
- Continuous service.

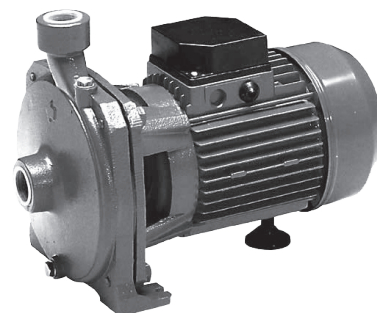


TABLE OF MATERIALS

Component	Material
Pump body	Cast iron EN GJL 200
Motor casing	Cast iron EN GJL 200
Impeller	Brass (CM 90/22 in technopolymer)
Motor shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)
Mechanical seal	Graphite
Counterface	Ceramic
Gaskets	NBR 70 shore

CM

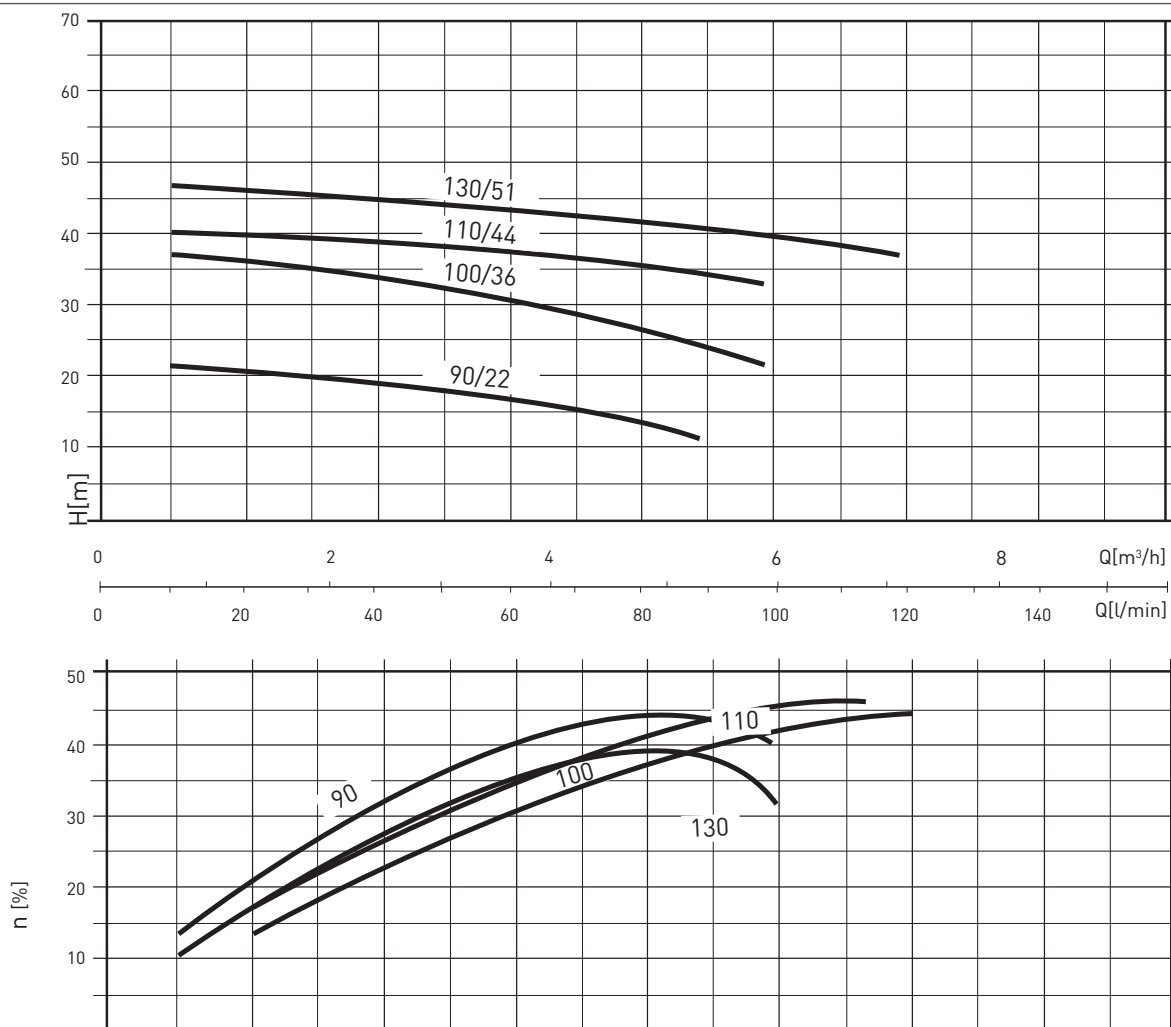
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HYDRAULIC PERFORMANCE



MEI ≥ 0.1 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

PERFORMANCE TABLE

MODEL	Motor power (P2)		Motor power (P1)		VOLT. (V)	In (A)	μF	Q	l/min	10	30	50	80	100	120
	HP	kW	HP	kW						0.6	1.8	3	4.8	6	7.2
CM 90/22 M* CM 90/22 T*	0.5	0.35	1	0.75	1 - 230 3 - 230/400	3.6 2.4-1.4	12.5	m.c.a. / m.c.w.	22	20	18	13			
CM 100/36 M CM 100/36 T	1	0.75	1.7	1.25	1 - 230 3 - 230/400	5.5 3.8-2.2	20		35	33	31	26	22		
CM 110/44 M CM 110/44 T	1.5	1.1	2.3 2.4	1.7 1.8	1 - 230 3 - 230/400	8 5.5-3.2	35		41	40	39	36	34		
CM 130/51 M CM 130/51 T	2	1.5	3.2 2.8	2.4 2.1	1 - 230 3 - 230/400	10.3 6.9-4.0	40		47	46	45	42	40	38	

* Technopolymer impeller

OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.										WEIGHTS (Kg)
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CM 90/22	75	43	267	150	110	160	82	202	1"	1"	6.5
CM 100/36	82	44	310	180	140	185	107	242	1"	1"	11
CM 110/44	88	45	350	194	155	200	100	252	1 1/4"	1"	20
CM 130/51	88	45	361	220	180	225	115	285	1 1/4"	1"	23

