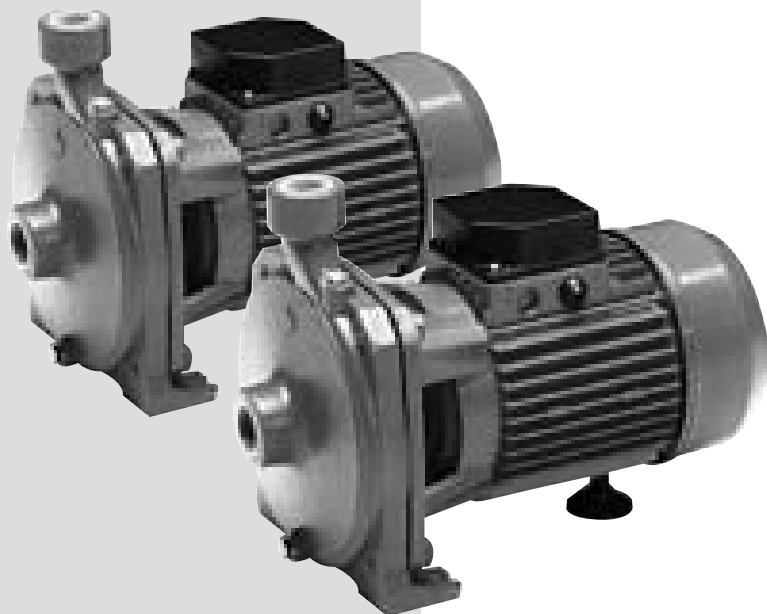


The CM series single impeller centrifugal pumps are silent and have a high hydraulic efficiency.

- **HIGH RELIABILITY**
- **STRONG AND RESISTANT**
- **HIGH HYDRAULIC PERFORMANCE**



### Applications

- Pumping from wells for irrigation
- Booster systems
- Domestic autoclaves
- Washing systems

### Motor

- Enclosed, externally ventilated
- Level of protection IP 44
- Class F insulation
- Single phase power supply with capacitor permanently activated and thermal protection built into the motor winding
- Three phase power supply with external protection provided by the user
- Speed of rotation 2850 rpm
- Suitable for continuous use

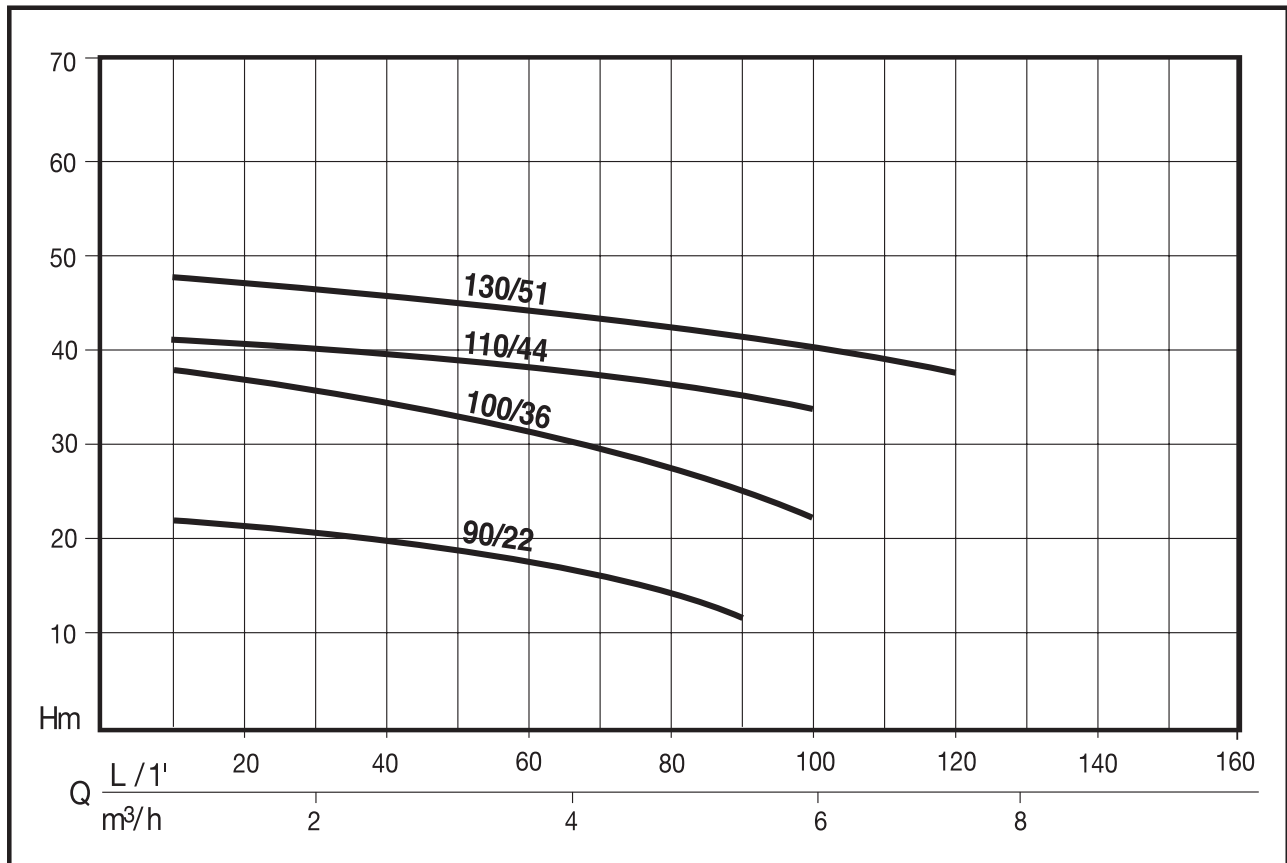
### Usage limitations

- Type of liquid: non-abrasive clear or slightly cloudy water
- Maximum liquid temperature 90°C (model CM 90/22 50°C)
- Maximum recommended suction height 5 m with foot valve
- Maximum operating pressure: 6 bar for models HP 0.5 - 0.75  
8 bar for models HP 1 - 1.5 - 2

### DESIGN FEATURES

Component	Material
1 Pump casing	EN GJL 200 (ex G20) Cast iron
2 Motor bracket	EN GJL 200 (ex G20) Cast iron
3 Impeller	Brass (CM 90/22 in technopolymer)
5 Motor shaft	X12 CrNiS 1809 (AISI 416) Stainless steel
7 Mechanical seal	Graphite
8 Counterface	Ceramic
10 O-ring	NBR 70 shore

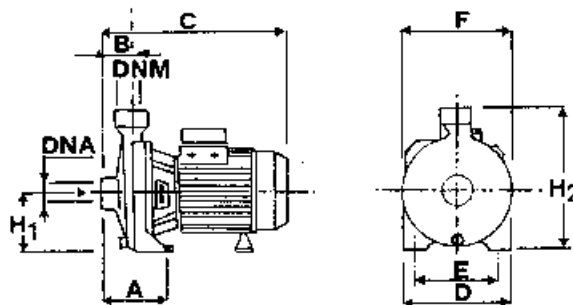
### TABLE OF HYDRAULIC PERFORMANCE



### PUMP PERFORMANCE

CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE (V)	Amp.	μF.	Q	Discharge head in meters					
		HP	kW	HP	kW					L/1'	10	30	50	80	100
N418B090 N418B100	CM 90/22 M* CM 90/22 T*	0,5	0,35	1	0,75	1 ~ 220÷240 V 3 ~ 230÷400 V	3,6 2,4-1,4	12,5	Discharge head in meters	22	20	18	13		
N418B130 N418B140	CM 100/36 M CM 100/36 T	1	0,75	1,7	1,25	1 ~ 220÷240 V 3 ~ 230÷400 V	5,5 3,8-2,2	20		35	33	31	26	22	
N4187090 N4187100	CM 110/44 M CM 110/44 T	1,5	1,1	2,6	1,9	1 ~ 230 V 3 ~ 230÷400 V	9,2 5,7-3,3	35		41	40	39	36	34	
N4187110 N4187120	CM 130/51 M CM 130/51 T	2	1,5	3,1	2,3	1 ~ 230 V 3 ~ 230÷400 V	10,8 7,8-4,5	40		47	46	45	42	40	38

\* Girante in tecnopolimero



### TABLE OF SIZES AND WEIGHTS

Model	Dimensions mm.										Weight
	A	B	C	D	E	F	H1	H2	DNA	DNM	kg
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"	20,5
CM 130/51	88	45	350	220	180	225	115	286	1"1/4	1"	23