

## CB TWO-STAGE CENTRIFUGAL PUMPS

High hydraulic performance

The two opposite impellers with balanced axial thrust allow for high efficiency, making them particularly suitable for civil and industrial use, autoclave units, etc.

### APPLICATIONS

- Pressurization systems.
- Small irrigation.
- Handling of non-aggressive liquids
- Washing systems

### USAGE DATA

- Type of liquid: clear or slightly turbid non-abrasive water.
- Maximum temperature of the liquid  
40°C for 0.55 - 0.75 kW 90°C for 1.1 - 4.0 kW
- Maximum suction height recommended  
5 m with foot valve.
- Maximum operating pressure: 6 bar  
for models kW 0.55 - 0.75 10 bar for models kW 1.1 - 4

### 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.



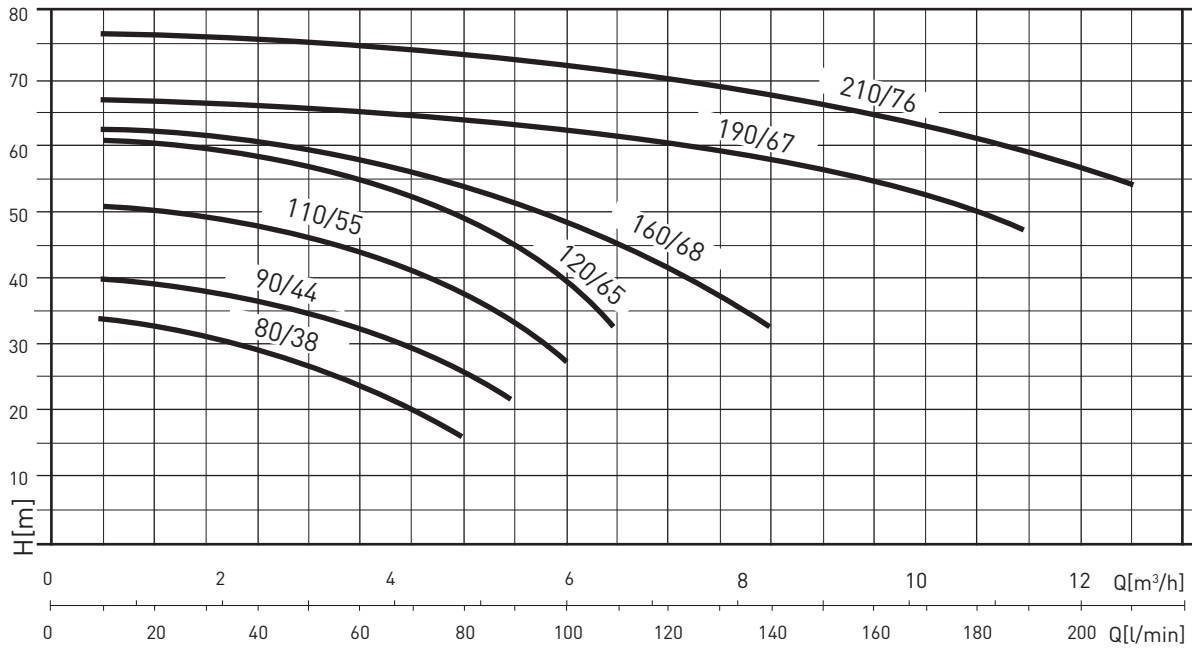
## TABLE OF MATERIALS

Component	Material
Pump body	Cast iron EN GJL 200
Motor casing	Aluminium for models : kW 0.55 - 1.00 Cast iron for the rest of the range
Impeller	Technopolymer for models : kW 0.55 - 0.75 brass for the rest of the range
Intermediate disk	Cast iron
Motor shaft	AISI 303 for models : kW 1.1 - 1.5 - 2.2 AISI 304 for models : kW 3.0 - 4.0 AISI 416 for models : kW 0.55 - 0.75
Mechanical seal	Graphite
Counterface	Ceramic
Seal-holding disk	AISI 304 for models : kW 0.55 - 0.75 Cast iron for the rest of the range
Gaskets	NBR

# CB

## TWO-STAGE CENTRIFUGAL PUMPS

### HYDRAULIC PERFORMANCE



### PERFORMANCE TABLE

MODEL	Motor power (P2)		Motor power (P1)		VOLT. (V)	In (A)	μF	Q	m.c.w.																	
	HP	kW	HP	kW					l/min	20	40	50	80	90	100	110	140	170	190	210						
									m³/h	1,2	2,4	3,0	4,8	5,4	6,0	6,6	8,4	9,6	10,8	12,0						
CB 80/38 M	0,75	0,55	1,5	1,1	1~230	5	1,6	33	30,2	27,9	17															
CB 80/38 T			1,4	1,1	3~220/380	3,4-2,0																				
CB 90/44 M	1	0,74	1,9	1,4	1~230	6,1	20	39,5	37	35,2	27	21														
CB 90/44 T			1,2	0,9	3~230/400	2,9-1,7																				
CB 110/55 M	1,5	1,1	2,5	1,9	1~230	8,6	35	50,8	48,8	47,1	38,4	33,4	27,5													
CB 110/55 T			2,4	1,8	3~230/400	5,5-3,2																				
CB 120/65 M	2	1,5	3,2	2,4	1~230	10,8	40	60,5	58,6	56,9	49,8	46,5	40,3	32,5												
CB 120/65 T			2,8	2,1	3~230/400	6,9-4,0																				
CB 160/68 T	3	2,2	3,5	2,6	3~230/400	8,1-4,7		60,5	59,3	54,1	51,6	48,4	44,6	32												
CB 190/67 T	4	3	5,5	4,1	3~230/400	12,5-7,2		67	64,8	63,9	62,5	62	58	53,5												
CB 210/76 T	5	4	6,1	4,6	3~230/400	15,1-8,7		76,5	73,9	72,9	71,8	70,5	66,8	62	58,3	54										

### OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions mm.										WEIGHT (Kg)
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CB 80/38	58	73	336	180	140	183	97	227	1"	1"	13,5
CB 90/44	58	73	336	180	140	183	97	227	1"	1"	15
CB 110/55	66	86	394	195	155	209	110	265	1 1/4"	1"	25
CB 120/65	66	86	410	195	155	209	110	265	1 1/4"	1"	27
CB 160/68	66	86	410	195	155	194	110	265	1 1/4"	1"	27
CB 190/67	72	96	467	230	180	228	133	309	1 1/2"	1 1/4"	42,5
CB 210/76	72	96	467	230	180	228	133	309	1 1/2"	1 1/4"	46,3

