

# NOCCHI CB

## TWIN IMPELLER CENTRIFUGAL PUMPS

SUPERIOR HYDRAULIC PERFORMANCE

The two opposed impellers with balanced axial thrust ensure optimal performance, making these models ideal for civil and industrial applications, autoclave units etc.

### APPLICATIONS

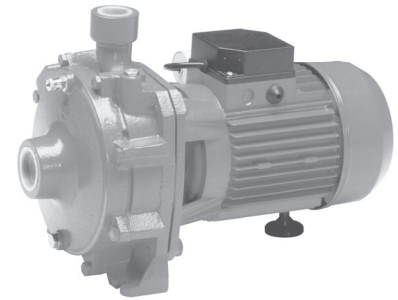
- Pressure booster systems.
- Small irrigation systems
- Handling of non-aggressive liquids
- Washing systems

### APPLICATION DATA

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

### MOTOR

- Closed, ventilated from exterior.
- Protection rating IP 44.
- Insulation class F.
- Single phase power supply with permanently activated capacitor and thermal cutout protection incorporated in the motor winding.
- Three phase power supply with external protection to be fitted by the user.



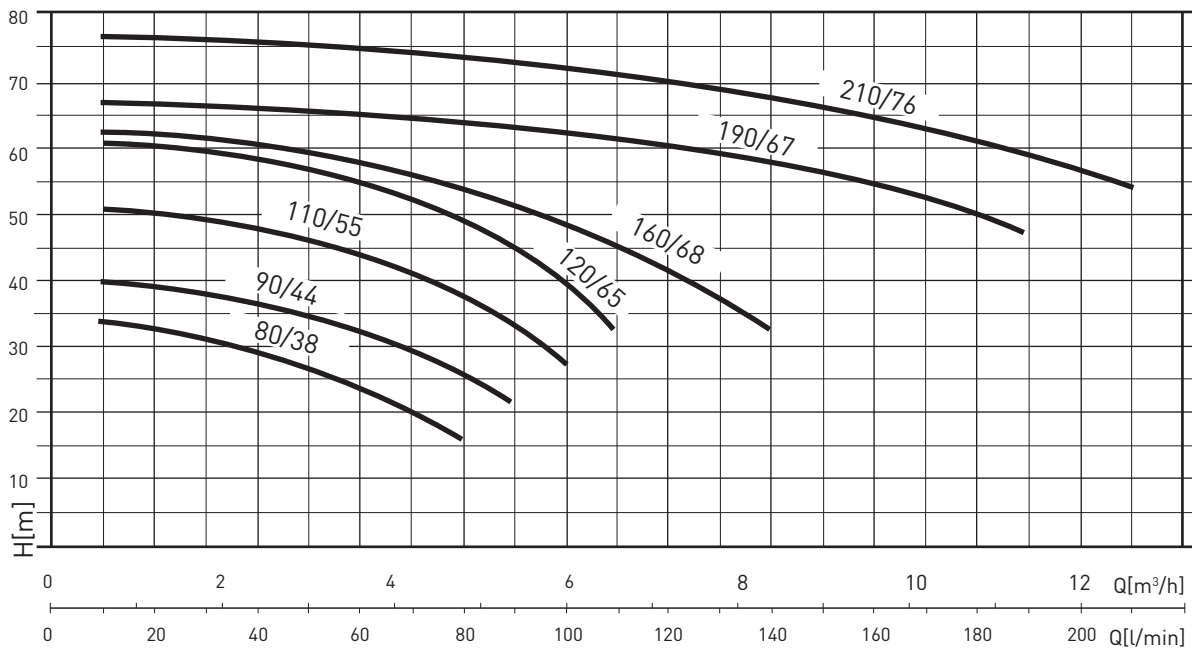
### TABLE OF MATERIALS

Component	Material
Pump body	Cast iron EN GJL 200 (ex G20)
Motor bracket	Aluminum on models: kW 0.55 - 1.00 Cast iron on all other models in the range
Impeller	Technopolymer on models: kW 0.55 - 0.75 Brass on all other models in the range
Intermediate disk	Cast iron
Motor shaft	AISI 303 on models: kW 1.1 - 1.5 - 2.2 AISI 304 on models: kW 3.0 - 4.0 AISI 416 on models: kW 0.55 - 0.75
Mechanical gasket	Graphite
Counterface	Ceramic
Seal holder disk	AISI 304 on models: kW 0.55 - 0.75 Cast iron on all other models in the range
Seals	NBR

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### HYDRAULIC PERFORMANCE



### PERFORMANCE TABLE

MODEL	Motor output (P2)		Motor output (P1)		VOLT	In (A)	μF	Q	L/min	20	40	50	80	90	100	110	140	170	190	210		
	HP	kW	HP	kW						m.c.a. / m.w.c.	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 CB 80/38 T	0.75	0.55	1.5 1.4	1.1 1.1	1 - 220 V 3 - 220-380 V	5 3.4-2.0	1.6	m.c.a. / m.w.c.		33	30.2	27.9	17									
CB 90/44 M CB 90/44 T	1	0.74	1.9 1.2	1.4 0.9	1 - 220 V 3 - 220-400 V	6.1 2.9-1.7	20			39.5	37	35.2	27	21								
CB 110/55 M CB 110/55 T	1.5	1.1	2.5 2.4	1.9 1.8	1 - 220 V 3 - 220-400 V	8.6 5.5-3.2	35			50.8	48.8	47.1	38.4	33.4	27.5							
CB 120/65 M CB 120/65	2	1.5	3.2 2.8	2.4 2.1	1 - 220 V 3 - 220-400 V	10.8 6.9-4.0	40			60.5	58.6	56.9	49.8	46.5	40.3	32.5						
CB 160/68 T	3	2.2	3.5	2.6	3 - 220-400 V	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 - 220-400 V	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 - 220-400 V	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

