PENTAIR

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	Aluminium 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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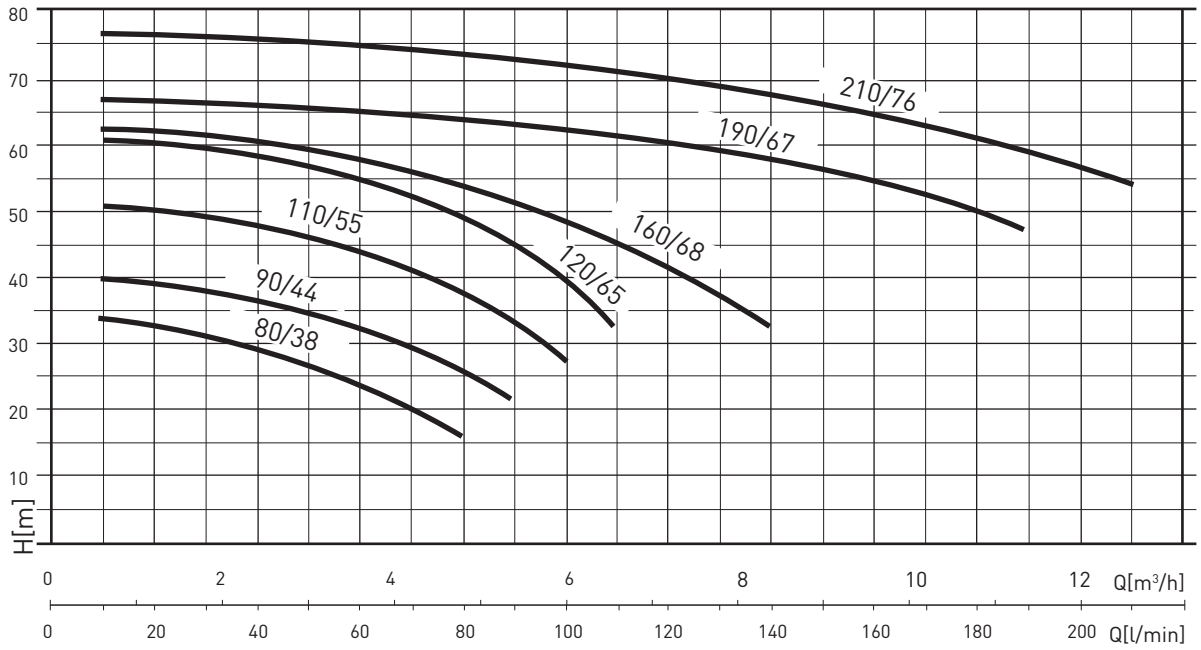
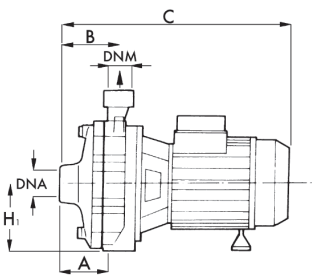
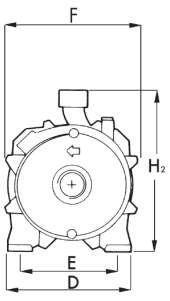
HYDRAULIC PERFORMANCE



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					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 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