



DESCRIPTION

Single-impeller centrifugal pumps with hydraulic components made of AISI 304 stainless steel, suitable for pressure boosting, water supply, water treatment and irrigation, air conditioning systems and general water pumping, including moderately aggressive liquids. Performance data according to ISO 9906, Annex A.

MODEL DESIGNATION

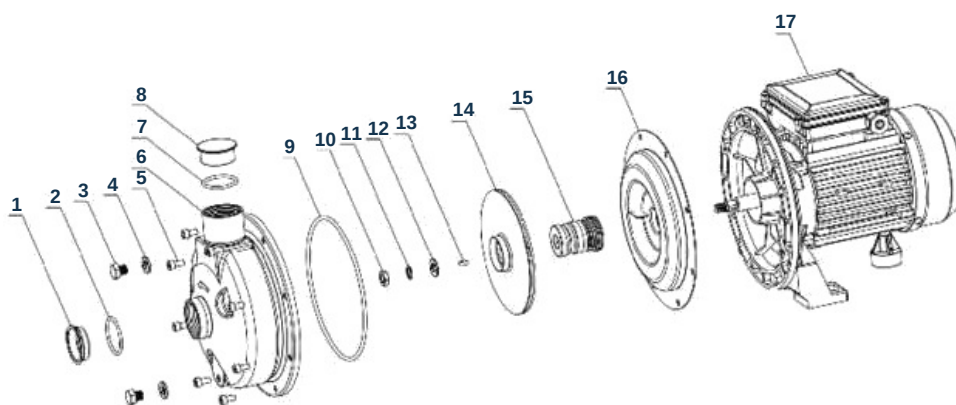
- CDX... three-phase, 3~ 380–415 V
- CDXM... single-phase, 1~ 220–240 V

FEATURES

- Single-stage centrifugal pump with axial suction and radial discharge
- Compact design: the pump is directly coupled to the motor on the same axis
- Easy installation: threaded inlet and outlet
- Lightweight: main parts and components are pressed from thin sheet metal

CONSTRUCTION

EXPLODED VIEW · CDX70 / 90 / 120 / 200



No.	PART
1	Dust cap
2	O-ring
3	Plug
4	Washer
5	Hexagon socket bolt
6	Pump casing assembly
7	O-ring
8	Dust cap
9	O-ring
10	Hexagon nut
11	Spring washer
12	Washer
13	Key
14	Impeller
15	Mechanical seal
16	Pump cover
17	Motor

MATERIALS

- Pump body, impeller, diffuser and casing cover in AISI 304
- Shaft in AISI 303
- Bracket and motor casing in aluminium
- Mechanical seal in carbon/ceramic/NBR



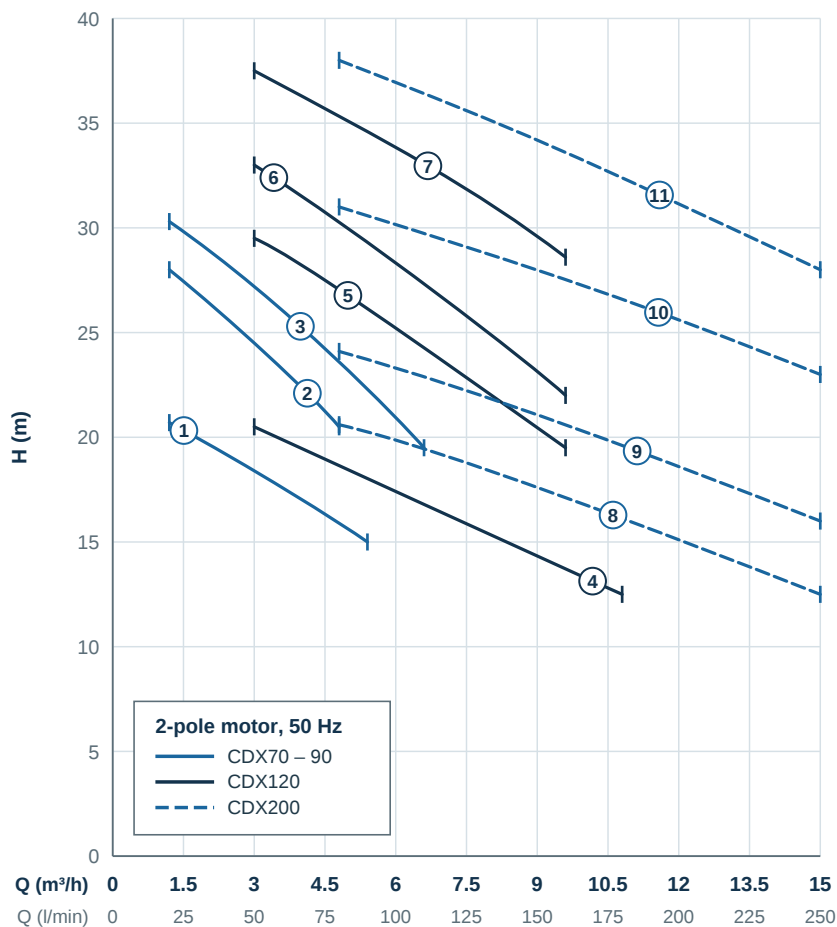
OPERATING CONDITIONS

- Maximum working pressure: 8 bar
- Maximum liquid temperature: 35 °C according to EN 60335-2-41 for domestic use
- 60 °C for other uses of CDX70/05, CDX70/07, CDX90/10
- 90 °C for other models

APPLICATIONS

- Pressure boosting
- Water supply
- Water treatment and irrigation
- Air conditioning systems
- General water pumping, including moderately aggressive liquids

PERFORMANCE CURVES



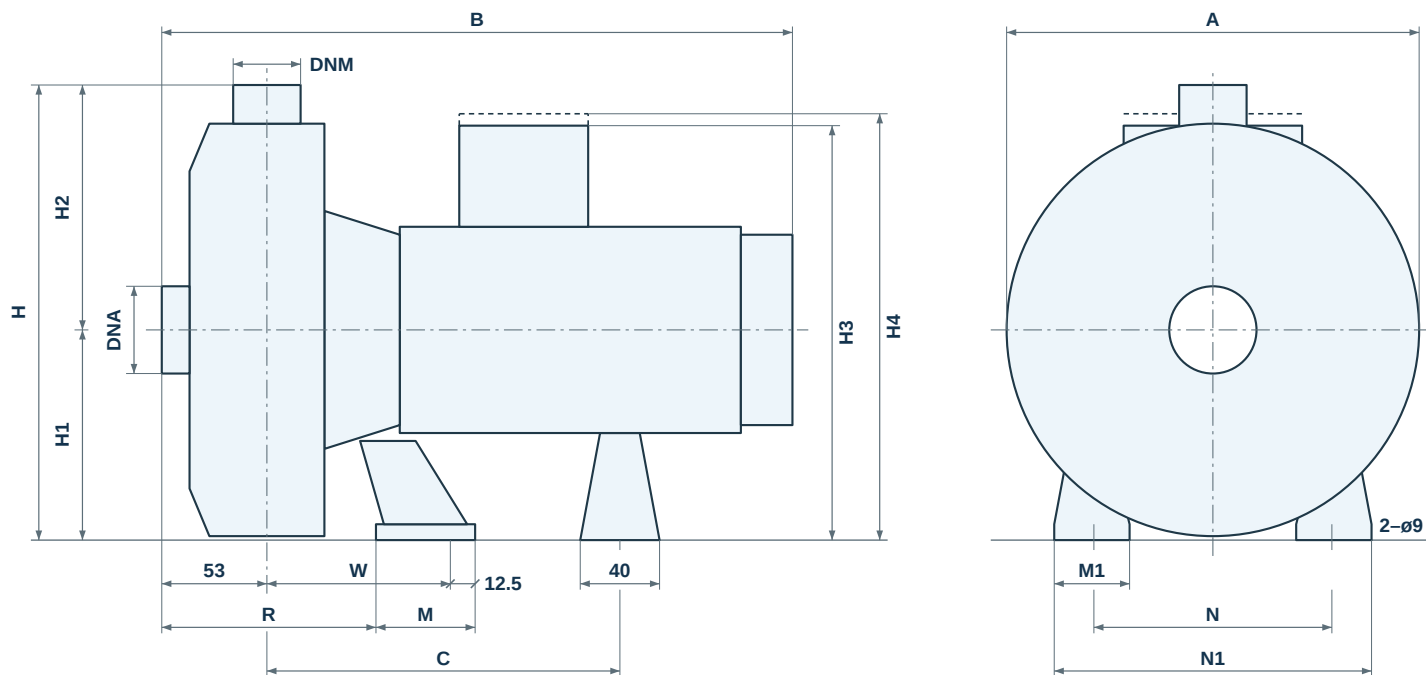
PERFORMANCE DATA

No.	MODEL		P ₂	I (A)		CAPACITY Q / TOTAL HEAD H (m)											
	3~ 380–415 V	1~ 220–240 V		kW	1~	3~	m³/h l/min	1.2 20	3 50	4.8 80	5.4 90	6.6 110	7.8 130	9.6 160	10.8 180	12.6 210	15 250
①	CDX70/05	CDXM70/05	0.37	3.1	1.4		20.7	18.4	15.9	15	–	–	–	–	–	–	
②	CDX70/07	CDXM70/07	0.55	4.6	2.0		28	24.5	20.5	–	–	–	–	–	–	–	
③	CDX90/10	CDXM90/10	0.75	5.6	2.3		30.3	27.2	23.6	22.3	19.5	–	–	–	–	–	
④	CDX120/07	CDXM120/07	0.55	4.6	1.9		–	20.5	18.7	18.1	16.8	15.5	13.7	12.5	–	–	
⑤	CDX120/12	CDXM120/12	0.9	6.9	3.0		–	29.5	27.1	26.1	24.3	22.4	19.5	–	–	–	
⑥	CDX120/15	CDXM120/15	1.1	7.7	3.2	H (m)	–	33	30.3	29.3	27.3	25.3	22	–	–	–	
⑦	CDX120/20	CDXM120/20	1.5	9.3	4.0		–	37.5	35.3	34.6	33.1	31.4	28.6	–	–	–	
⑧	CDX200/12	CDXM200/12	0.9	6.3	2.7		–	–	20.6	20.2	19.5	18.5	17.1	16.1	14.6	12.5	
⑨	CDX200/15	CDXM200/15	1.1	7.7	3.2		–	–	24.1	23.7	22.9	22	20.6	19.6	18.1	16	
⑩	CDX200/20	CDXM200/20	1.5	10.7	4.0		–	–	31	30.6	29.7	28.9	27.5	26.6	25.1	23	
⑪	CDX200/25	CDXM200/25	2.2	11.8	4.8		–	–	38	37.5	36.4	35.3	33.6	32.4	30.5	28	

TECHNICAL DATA

- T.E.F.C. 2-pole motor, 50 Hz
- Insulation class F, degree of protection IP55
- Single-phase 1~ 220–240 V; three-phase 3~ 380–415 V
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Thermal protection to be provided by the user for three-phase version
- DNA G1½ for CDX200, G1¼ for the other models; DNM 1"

OVERALL DIMENSIONS



DIMENSIONS TABLE

MODEL		DIMENSIONS (mm)															T	DNA
3~	1~	A	B 1~	B 3~	C	H	H1	H2	H3	H4	M	M1	N	N1	R	W		
CDX70/05	CDXM70/05	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG11	G1¼
CDX70/07	CDXM70/07	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG11	G1¼
CDX90/10	CDXM90/10	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG11	G1¼
CDX120/07	CDXM120/07	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG11	G1¼
CDX120/12	CDXM120/12	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG13.5	G1¼
CDX120/15	CDXM120/15	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG13.5	G1¼
CDX120/20	CDXM120/20	232	345	345	199	250	118	132	235	253	55	40	140	180	105.5	95	PG13.5	G1¼
CDX200/12	CDXM200/12	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG13.5	G1½
CDX200/15	CDXM200/15	208	318	318	178	229.5	106	123.5	209	215	50	38	120	160	108	92.5	PG13.5	G1½
CDX200/20	CDXM200/20	208	345	345	199	229.5	106	123.5	223	240	55	40	140	180	105.5	95	PG13.5	G1½
CDX200/25	CDXM200/25	232	345	345	199	250	118	132	235	—	55	40	140	180	105.5	95	—	G1½

Dimensions in mm. T = cable gland.