

# Technical data

Pump name

CDXM 120/07

Customer	Date 23-June-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

## Requested data

1	Pump type	CENTRIFUGAL PUMPS	Fluid	Water, clean
2	Number of pumps / Reserve	1 / 0	Liquid temperature	K 293
3	Flow	m <sup>3</sup> /h 0	Kin. viscosity	mm <sup>2</sup> /s 1
4	Head	m 0	Vapour pressure	kPa 2.2
5	Geodetic head	m 0	PH value	7
6	Inlet pressure (pin)	kPa 10	Density	kg/m <sup>3</sup> 1000
7	Available system NPSH	0	Solids	Weight % 0
8	Ambient temperature	K 290		

## Pump

9	Pump name	CDXM 120/07	Frequency	Hz 50
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max. mm 132
12	Speed	1/min 2800		Designed mm 132
13	No. of Stage	1		Min. mm 132
14	Connection Suction side	UNI ISO 228-1	Flow	Operating m <sup>3</sup> /h
15	Connection Discharge side	UNI ISO 228-1		Max- m <sup>3</sup> /h 10.8
16	Max Working Pressure	kPa 800		Min- m <sup>3</sup> /h 3
17	Shut-off head	kPa 220.32	Head	Operating m
18	Total weight	kg See the table of "Dimensions".		- (Qmax.) m 12.5
19	Shaft power	kW		- (Qmin.) m 20.5
20			Max. Shaft Power at max. impeller	kW 0.65
21	Required pump NPSH	m	Efficiency	%

## Materials

22	Impeller	AISI 304	
23	Casing	AISI 304	
24	Shaft	AISI 304	
25			
26			
27			

## Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_CD XM 120/07_230_Single Phase	Phases	1~
30	Specific design	- / 50 Hz / Pole pairs 1	Frame size	
31	Rated power	kW 0.55	Weight	kg 0
32	Number of poles	2	Electric voltage	V 230
33	Speed	1/min 2800	Electric current	A 4.6
34	Degree of protection	IP 55		
35				

## Remarks

# Performance curve Pump name CDXM 120/07

Customer	Date 23-June-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

## Requested data

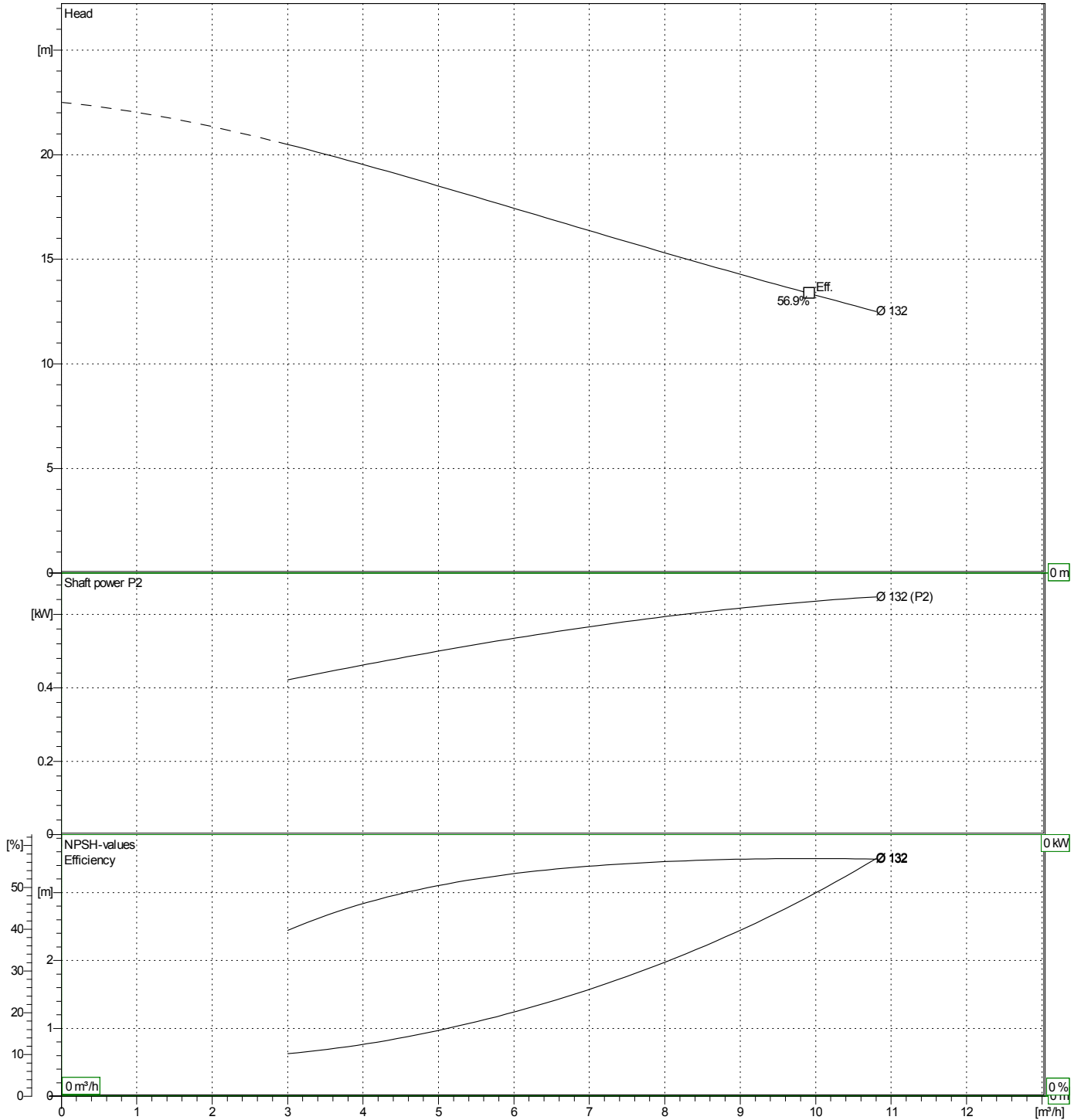
1	Flow	m <sup>3</sup> /h	0
2	Head	m	0
3	Geodetic head	m	0

## Pump

Operating Flow	m <sup>3</sup> /h	Frequency	Hz	50
Operating Head	m	Number of poles	2	
Impeller Diameter	Designed mm	132	Speed	1/min

Test standard: ISO 9906:2012 - Grade3B

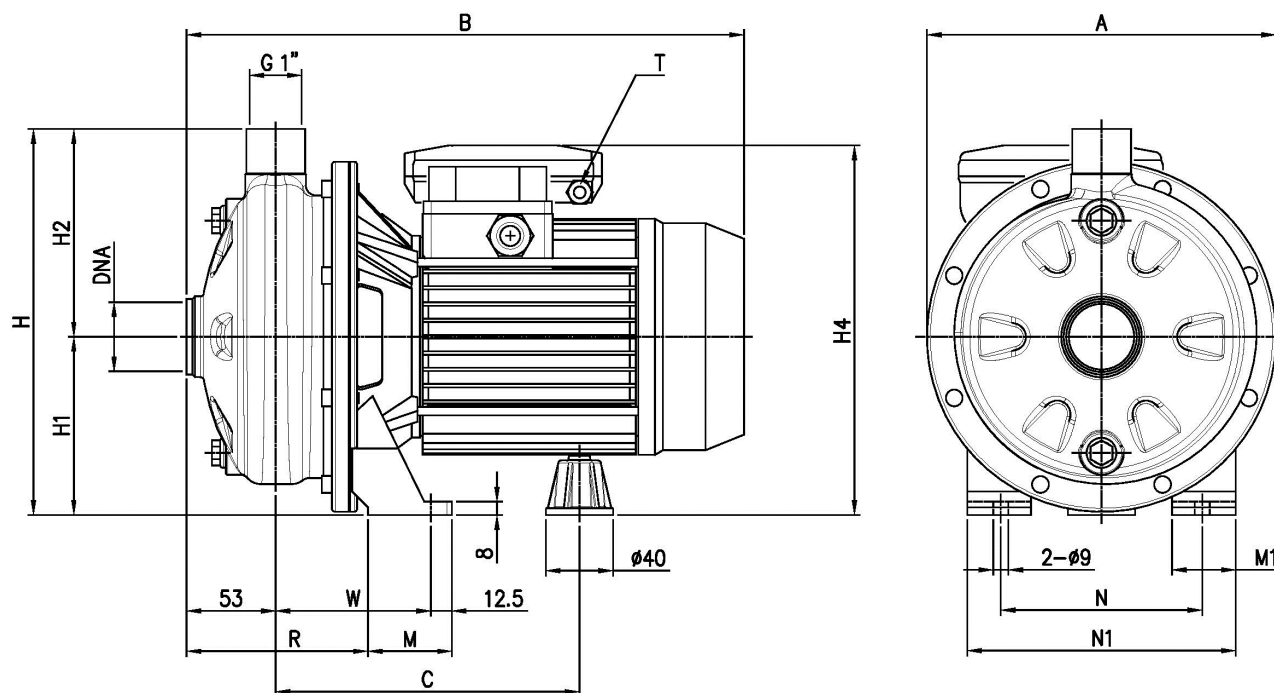
Water, clean [100%] ; 293K; 998.3kg/m<sup>3</sup>; 1mm<sup>2</sup>/s



# Dimensions

Pump name CDXM 120/07

Customer	Date 23-June-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

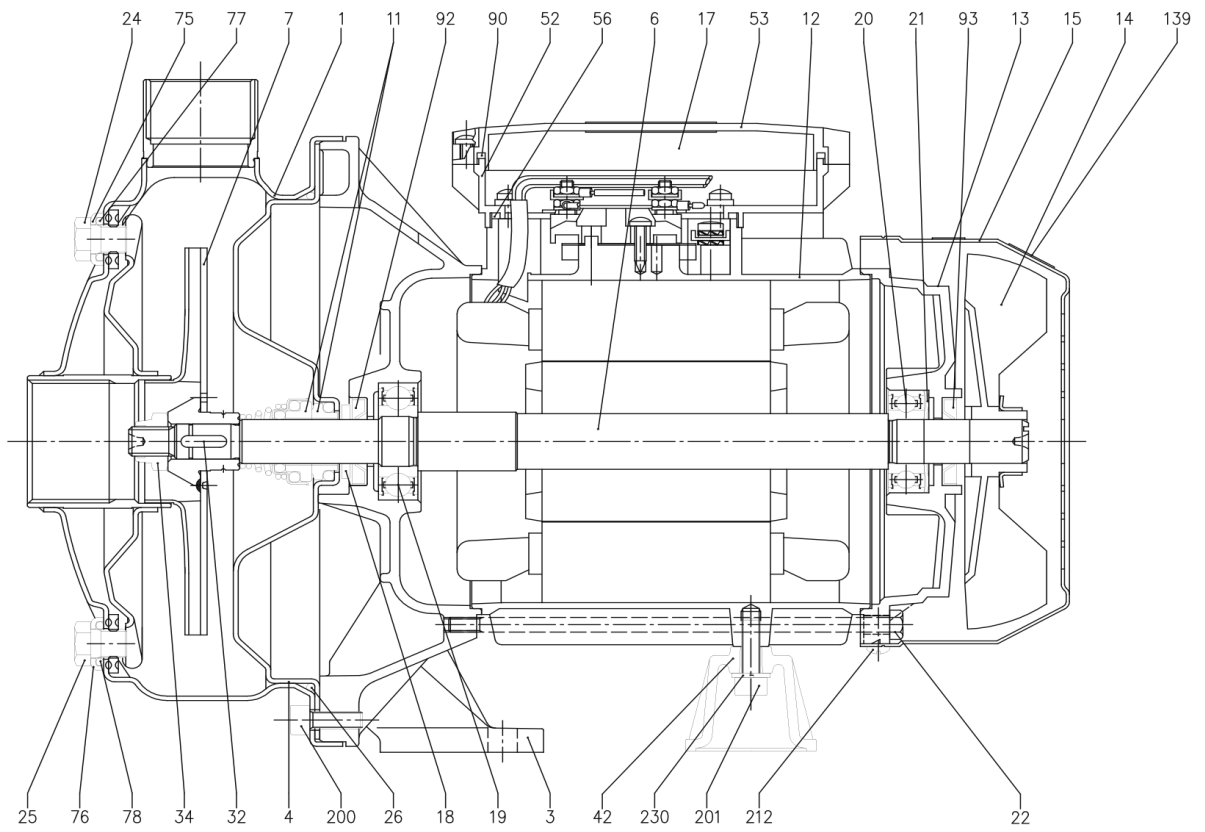


Dimensions in		mm					
1	A	208	T	PG11			
2	B	321	W	92.5			
3	C	181	Weight P&M	9.6 kg			
4	DNA	G1 1/4					
5	H	229.5					
6	H1	106					
7	H2	123.5					
8	H4	216					
9	M	50					
10	M1	38					
11	N	120					
12	N1	160					
13	R	108					

# (1/3) Construction

Pump name CDXM 120/07

Customer	Date 23-June-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail



**(2/3)****Construction**

Pump name CDXM 120/07

Customer	Date 23-June-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304 / AISI 316L [4]	1
3	Motor bracket	Aluminium	1
4	Casing cover	AISI 304 / AISI 316L [4]	1
6	Shaft with rotor	AISI 303 / AISI 316L [4] (Wet extension)	1
7	Impeller	AISI 304 / AISI 316L [4]	1
11	Mechanical seal [5]	Carbon/Ceramic/NBR	1
12	Motor frame with stator	-	1
13	Motor cover	Aluminium	1
14	Fan	PA	1
15	Fan cover	Fe P04 Zincate	1
17	Terminal box cover [2]	Aluminium	1
18	Splash ring	NBR	1
19	Pump side ball bearing	-	1
20	Fan side ball bearing	-	1
21	Adjusting ring	Steel C70	1
22	Tie rod	Fe 420 Zincate	4
24	Priming plug	AISI 304 / AISI 316 [4]	1
25	Drain plug	AISI 304 / AISI 316 [4]	1
26	O-ring [3]	NBR	1
32	Key	AISI 316	1
34	Impeller nut	AISI 304 / AISI 316 [4]	1
42	Motor support	Aluminium	1
52	Terminal box [1]	ABS class V-0	1
53	Terminal box cover [1]	ABS class V-0	1
56	Box gasket	NBR	1
73	Casing ring	-	1
75	Washer	AISI 304	1
76	Washer	AISI 304	1
77	O-ring [3]	NBR	1
78	O-ring [3]	NBR	1
90	Terminal box cover gasket [1]	NBR	1
92	Lip seal	-	1
93	Lip seal	-	1
200	Screw	Stainless steel A2 UNI7323	8

[1] Only for single phase

[2] Only for three phase

[3] FPM for CDX H-HS-HW-HSW

EPDM for CDX E and Special Mechanical Seal

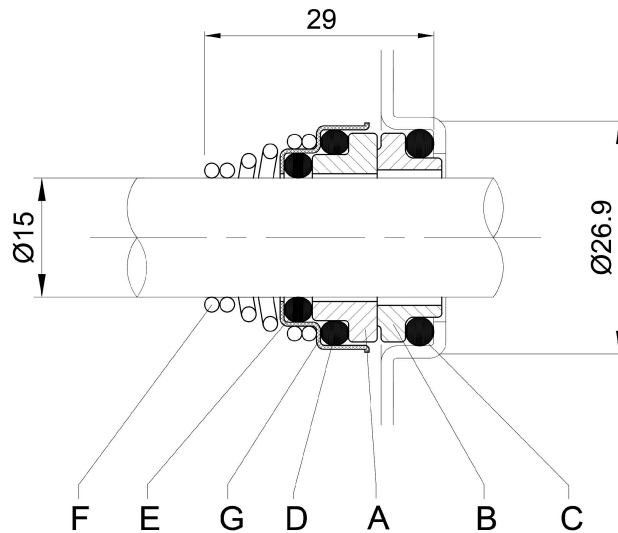
[4] Only for "L" version

[5] See **COSTRUCTION 3**

# (3/3) Construction

Pump name CDXM 120/07

Customer	Date 23-June-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail



REF	PART NAME	MATERIAL Standard and L version
A	Rotary seal ring	Ceramic
B	Stationary seal ring	Carbon graphite
C	O-Ring	NBR
D	O-Ring	NBR
E	O-Ring	NBR
F	Self-driving spring	AISI 316
G	Frame	AISI 304