Technical data

Pump name CDX 120/20

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 m³/h	0	Kin. viscosity	mm²/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/m³	1000
7	Available system NPSH	0	Solids	Weight %	0
8	Ambient temperature K	290			

Pump

9	Pump name	CDX 120/20	Frequency		Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max.	mm	176
12	Speed 1/min	2800		Designed	mm	176
13	No. of Stage	1		Min.	mm	176
14	Connection Suction side	UNI ISO 228-1	Flow	Operating	m³/h	
15	Connection Discharge side	UNI ISO 228-1		Max-	m³/h	9.6
16	Max Working Pressure kPa	800		Min-	m³/h	3
17	Shut-off head kPa	396.70	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	28.6
19	Shaft power kW			- (Qmin.)	m	37.5
20			Max. Shaft Power at max. impeller		kW	1.63
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_CDX 120/20_230_Three Phase	Phases		3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	1.5	Weight	kg	0
32	Number of poles	2	Electric voltage	V	230
33	Speed 1/min	2800	Electric current	A	7.1
34	Degree of protection	IP 55			
35					

Remarks

EBARA

Performance curve **Pump name** CDX 120/20

Customer	Date 23-June-2020	Company
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Requested data

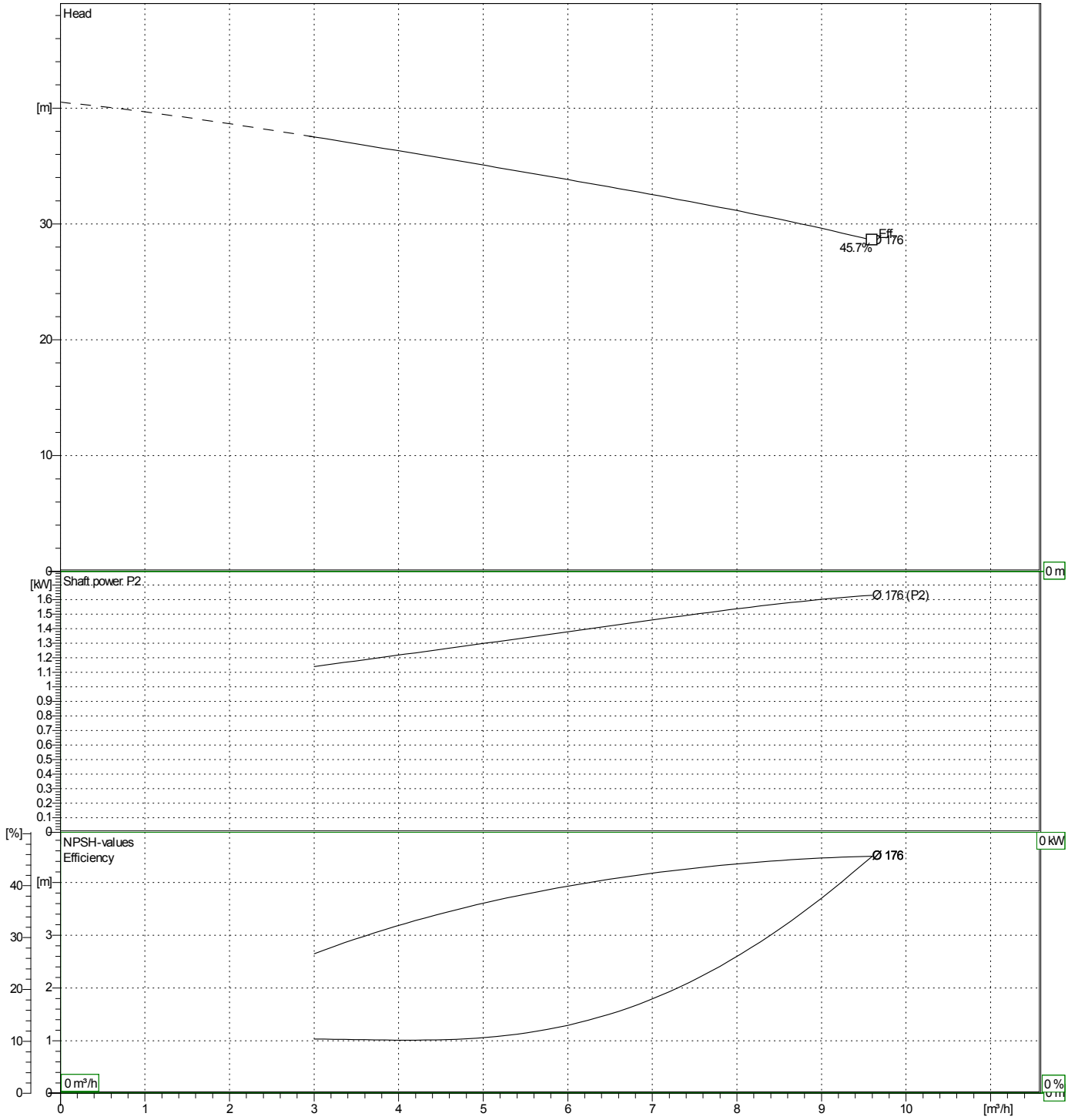
1	Flow	m³/h	0
2	Head	m	0
3	Geodetic head	m	0

Pump

Operating Flow	m³/h		Frequency	Hz	50
Operating Head	m		Number of poles		2
Impeller Diameter	Designed mm	176	Speed	1/min	

Test standard: ISO 9906:2012 - Grade3B

Water, clean [100%] ; 293K; 998.3kg/m³; 1mm²/s

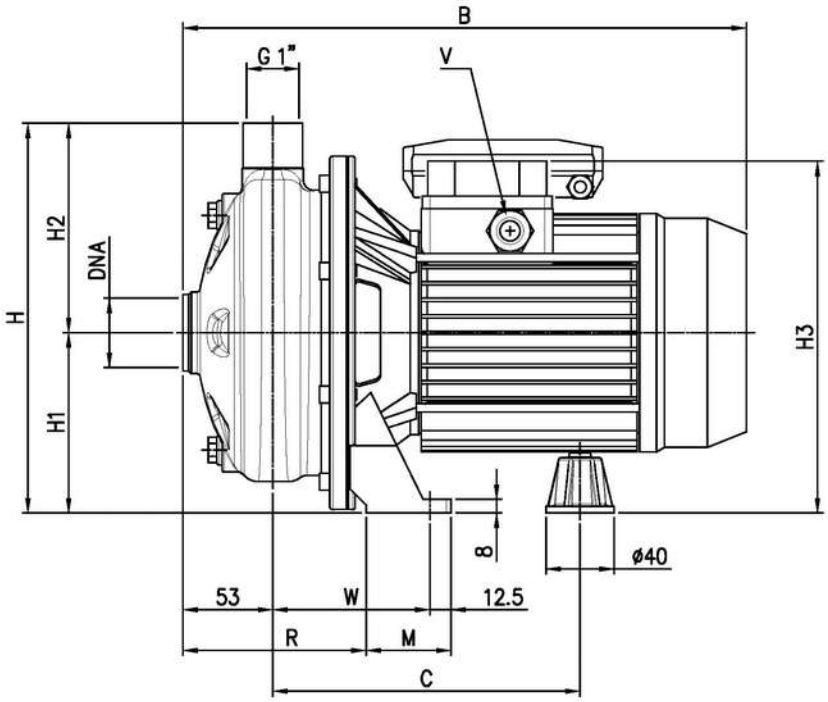


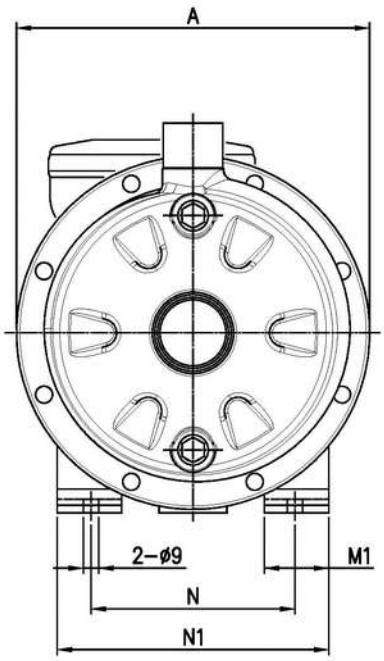
EBARA

Dimensions

Pump name CDX 120/20

Customer	Date 23-June-2020	Company
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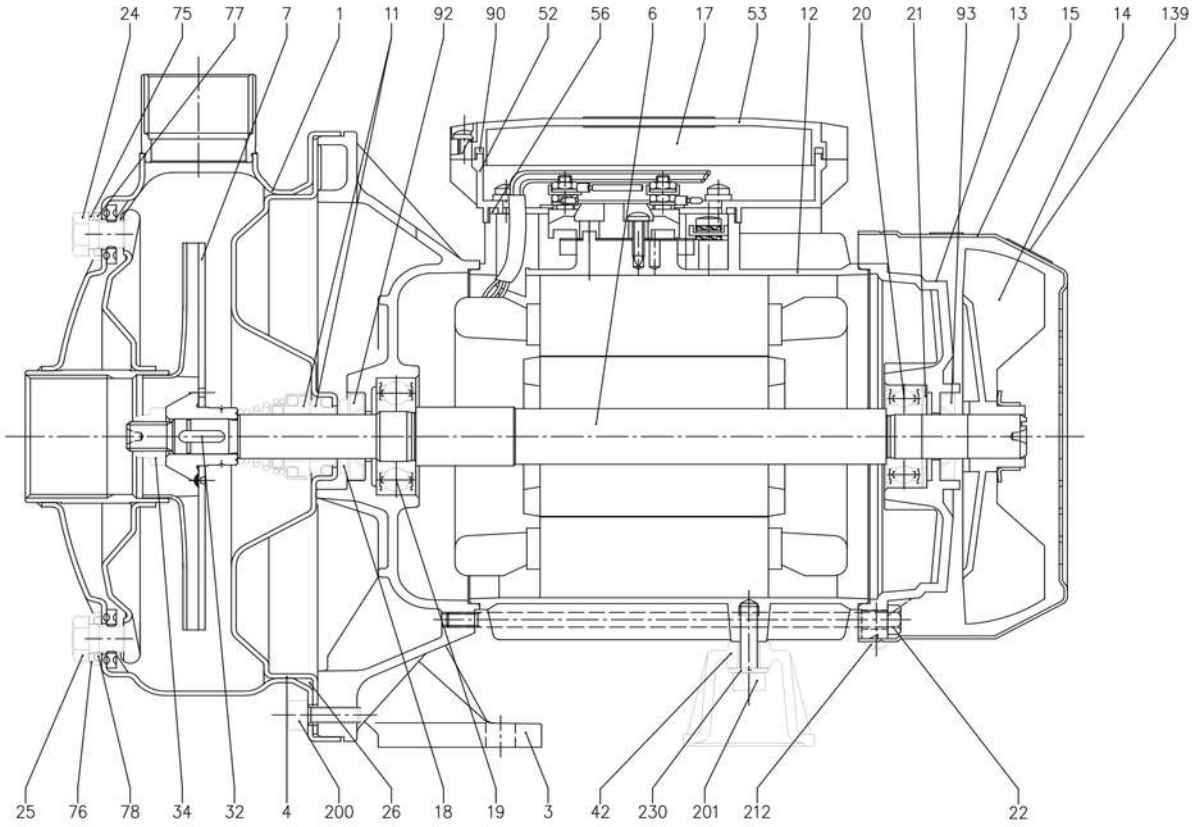
Dimensions in mm								
1	A	232	V	M20x1.5				
2	B	371.5	W	95				
3	C	198.5	Weight P&M	18.1 kg				
4	DNA	G1 1/4						
5	H	250						
6	H1	118						
7	H2	132						
8	H3	237						
9	M	55						
10	M1	40						
11	N	140						
12	N1	180						
13	R	105.5						

EBARA

(1/3)
Construction

Pump name CDX 120/20

Customer	Date 23-June-2020	Company
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EBARA

(2/3)
Construction

Pump name CDX 120/20

Customer	Date 23-June-2020	Company
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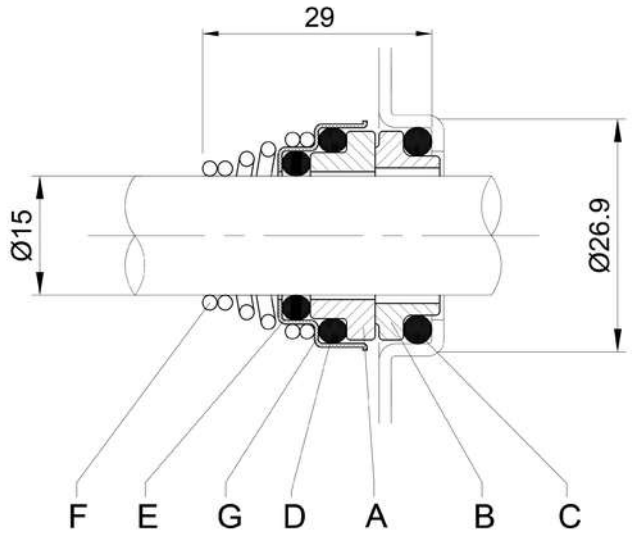
N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304 / AISI 316L [4]	1
3	Motor bracket	Aluminium	1
4	Casing cover	AISI 304 / AISI 316L [4]	1
6	Shaft with rotor	AISI 303 / AISI 316L [4] (Wet extension)	1
7	Impeller	AISI 304 / AISI 316L [4]	1
11	Mechanical seal [5]	Carbon/Ceramic/NBR	1
12	Motor frame with stator	-	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**

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Construction

Pump name CDX 120/20

Customer	Date 23-June-2020	Company
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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