

Technische Daten

Pumpenname CDX 120/12

Besteller	Datum 09-March-2017	Firma
Ansprechpartner	Art.-Nr. 1.1	Issued by
Telefon	Projekt	Telefon
E-Mail	Projektname EBARA Pump Selector-2081930	E-Mail

Requested data

1	Pumpenbezeichnung	CENTRIFUGAL PUMPS	Fluid	Wasser, rein
2	Pumpenanzahl / Reserve	1 / 0	Mediumtemperatur °C	20
3	Förderstrom m³/h	0	Kinematische Viskosität mm²/s	1
4	Förderhöhe m	0	Dampfdruck bar	0,022
5	Geodätische Höhe m	0	PH Wert	7
6	Vordruck bar	0,1	Dichte kg/dm³	1
7	Available system NPSH	0	Feststoffe Weight %	0
8	Umgebungstemperatur °C	20	Aufstellungshöhe über NN m	1000

Pumpe

9	Pumpenname	CDX 120/12	Frequenz Hz	50
10	Bauart	CENTRIFUGAL PUMPS	Installationsart	STANDARD
11	Hersteller	EPE	Laufgrad	Max. mm 157
12	Drehzahl 1/min	2800	Durchmesser	Designed mm 157
13	No. of Stage	1		Min. mm 157
14	Anschluß Saugseite	UNI ISO 228-1	Förderstrom	Operating m³/h
15	Anschluß Druckseite	UNI ISO 228-1		Max- m³/h 9,6
16	Max Working Pressure bar	8		Min- m³/h 3
17	Shut-off head bar	3,13	Förderhöhe	Operating m
18	Gesamtgewicht kg	See the table of "Dimensions".		- (Qmax.) m 19,5
19	Wellenleistung kW			- (Qmin.) m 29,5
20			Max. Shaft Power at max. impeller kW	1,06
21	NPSH - Wert m		Efficiency %	

Materials

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

Motor

28	Hersteller	EPE Standard	Isolierklasse	F
29	Typ	TEFC_CD X 120/12_400_Three Phase	Phasen	3~
30	Ausführung	IE3 / 50 Hz / Polpaarzahl 1	Baugröße	
31	Leistung kW	0,9	Gewicht kg	0
32	Polzahl	2	El. Spannung V	400
33	Drehzahl 1/min	2800	El. Stromstärke A	2,5
34	Schutzart	IP 55		
35				

Remarks

Kennlinie

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Requested data

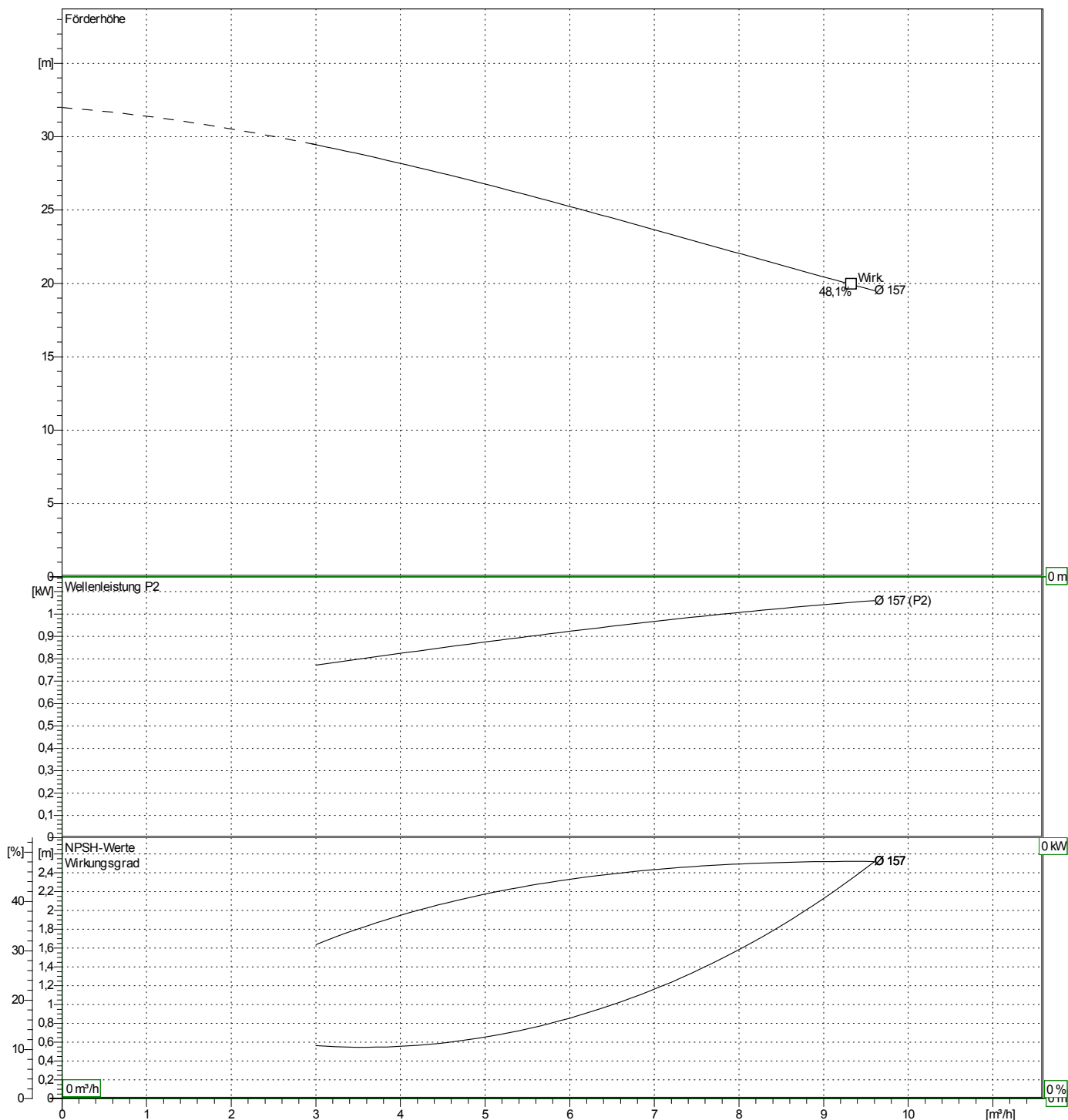
1	Förderstrom	m³/h	0
2	Förderhöhe	m	0
3	Geodätische Höhe	m	0

Pumpe

Operating Flow	m³/h	Frequenz	Hz	50
Operating Head	m	Polzahl		2
Laufgrad Durchmesser	Designed mm	Drehzahl	1/min	

Test standard: ISO 9906:2012 - Grade3B

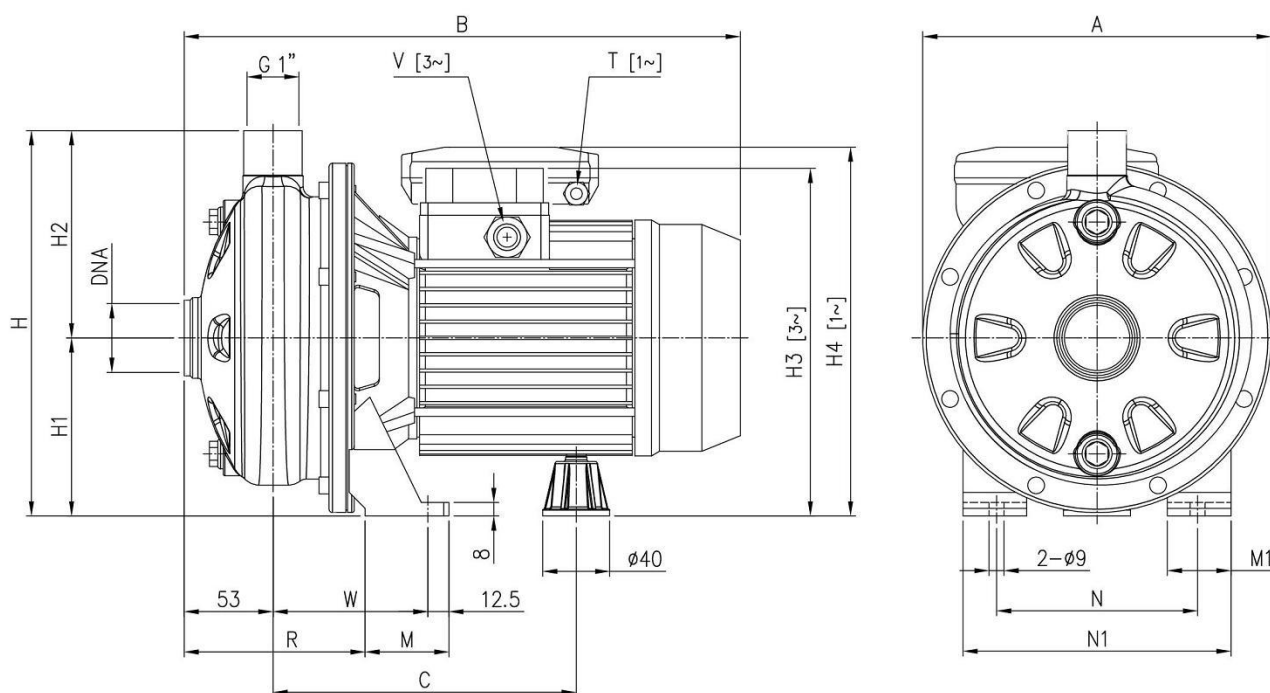
Wasser, rein [100%] ; 20°C; 0,9983kg/dm³; 1mm²/s



Abmessungen

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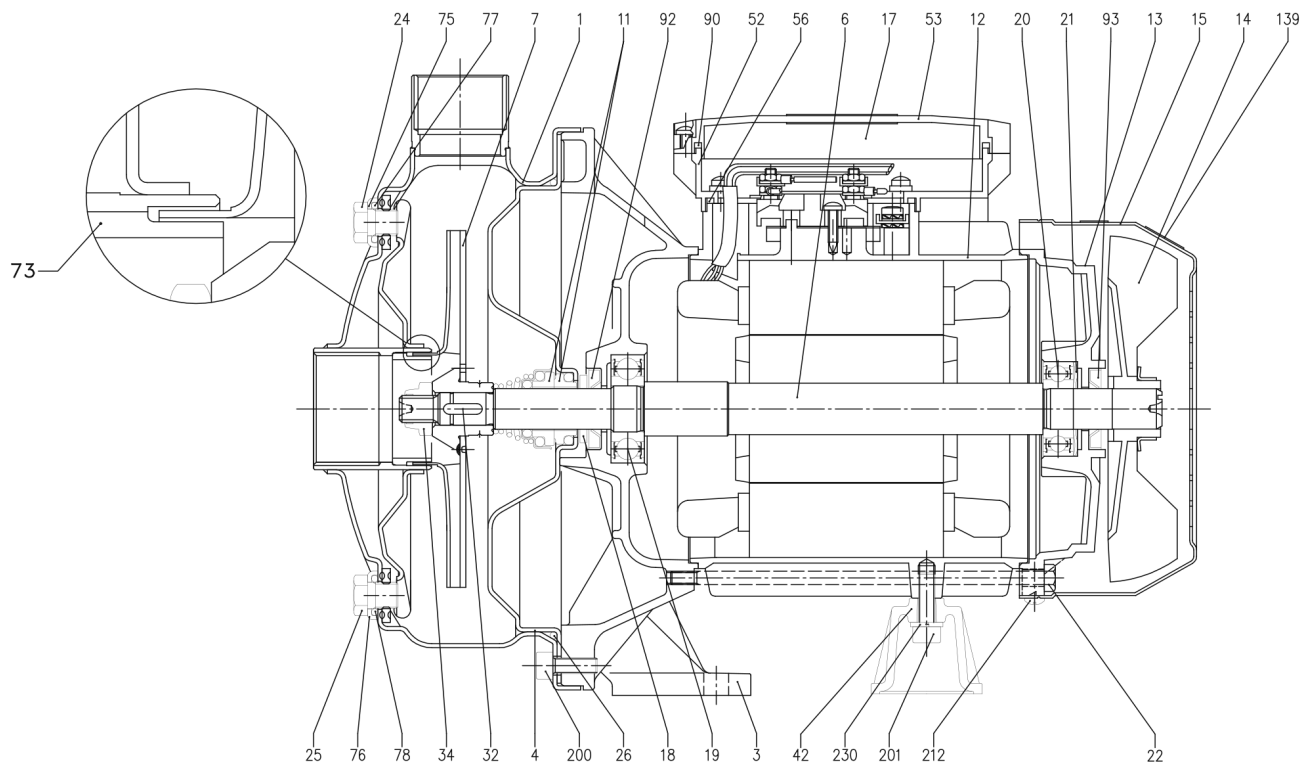


Abmessungen in mm							
1	A	208	V	M16x1.5			
2	B	332	W	92,5			
3	C	181	Weight P&M	12.4 kg			
4	DNA	G1 1/4					
5	H	229,5					
6	H1	106					
7	H2	123,5					
8	H3	207					
9	M	50					
10	M1	38					
11	N	120					
12	N1	160					
13	R	108					

(1/3) Konstruktion

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(2/3) Konstruktion

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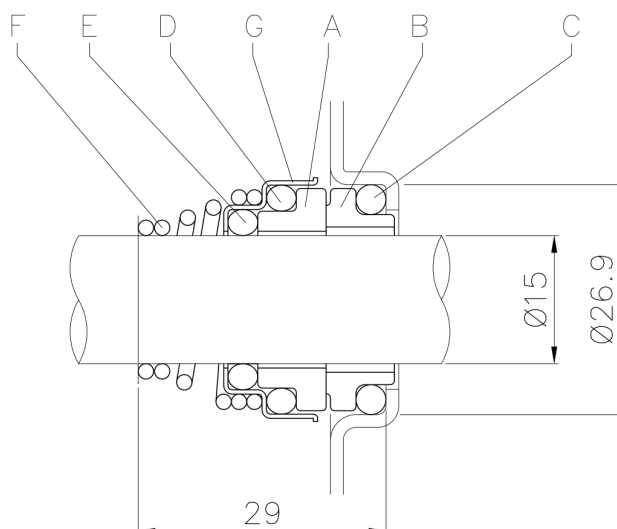
N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304 / AISI 316 [5]	1
3	Motor bracket	Aluminium	1
4	Casing cover	AISI 304 / AISI 316 [5]	1
6	Shaft with rotor	AISI 303 / AISI 316 (Wet extension) [5]	1
7	Impeller	AISI 304 / AISI 316 [5]	1
11	Mechanical seal [6]	Carbon/Ceramic/NBR	1
12	Motor frame with stator	-	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 [5]	1
25	Drain plug	AISI 304 / AISI 316 [5]	1
26	O-ring [3]	NBR	1
32	Key	AISI 316	1
34	Impeller nut	AISI 304 / AISI 316 [5]	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	Double ring [4]	AISI 304 / AISI 316 [5]	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
- [4] NBR for CDX 70/05, 70/07, 90/10
FPM for CDX H-HS-HW-HSW 70/05, 70/07, 90/10
- [5] Only for "L" version
- [6] See **CONSTRUCTION 3**

(3/3) Konstruktion

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REF	PART NAME	MATERIAL Standard 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