

Technische Daten

Pumpenname 2CDX 70/20

Besteller	Datum 11-November-2016	Firma
Ansprechpartner	Art.-Nr. 1.1	Issued by
Telefon	Projekt	Telefon
E-Mail	Projektname EBARA Pump Selector-2072031	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	2CDX 70/20	Frequenz Hz	50
10	Bauart	CENTRIFUGAL PUMPS	Installationsart	STANDARD
11	Hersteller	EPE	Laufgrad	Max. mm -
12	Drehzahl 1/min	2800	Durchmesser	Designed mm 153/176
13	No. of Stage	2		Min. mm -
14	Anschluß Saugseite	UNI ISO 228-1	Förderstrom	Operating m³/h
15	Anschluß Druckseite	UNI ISO 228-1		Max- m³/h 4,8
16	Max Working Pressure bar	8		Min- m³/h 1,2
17	Shut-off head bar	6,27	Förderhöhe	Operating m
18	Gesamtgewicht kg	See the table of "Dimensions".		- (Qmax.) m 44,0
19	Wellenleistung kW			- (Qmin.) m 60,0
20			Max. Shaft Power at max. impeller kW	1,69
21	NPSH - Wert m		Efficiency %	

Materials

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

Motor

28	Hersteller	EPE Standard	Isolierklasse	F
29	Typ	TEFC_2CDX 70/20_400_Three Phase	Phasen	3~
30	Ausführung	IE3 / 50 Hz / Polpaarzahl 1	Baugröße	
31	Leistung kW	1,5	Gewicht kg	0
32	Polzahl	2	El. Spannung V	400
33	Drehzahl 1/min	2800	El. Stromstärke A	4,1
34	Schutzart	IP 55		
35				

Remarks

Kennlinie

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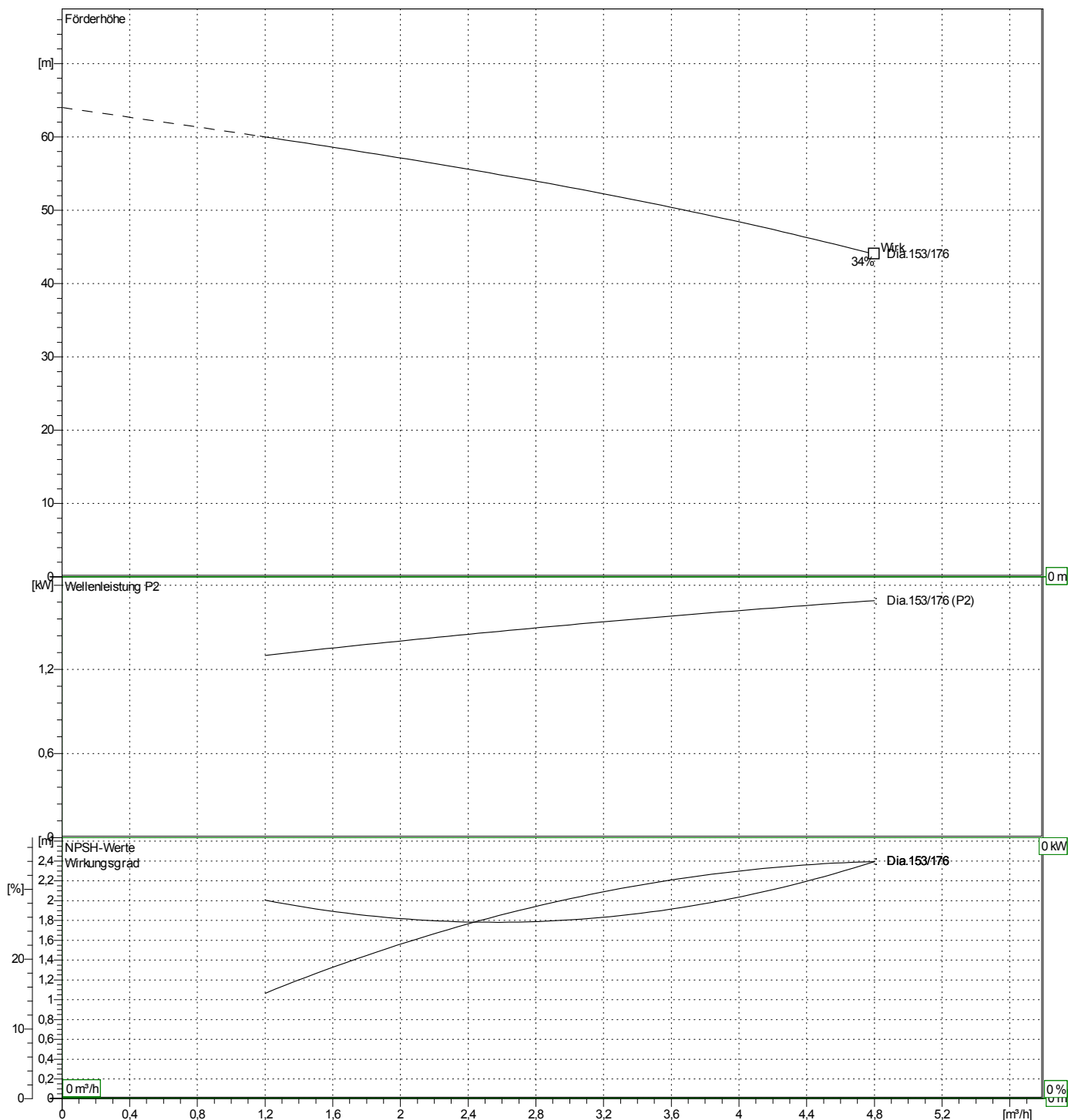
1	Förderstrom	m³/h	0
2	Förderhöhe	m	0
3	Geodätische Höhe	m	0

Pumpe

Operating Flow	m³/h	Laufgrad Durchmesser	mm	153/176
Operating Head	m	Frequenz	Hz	50
		Drehzahl	1/min	

Test standard: ISO 9906:2012 - Grade3B

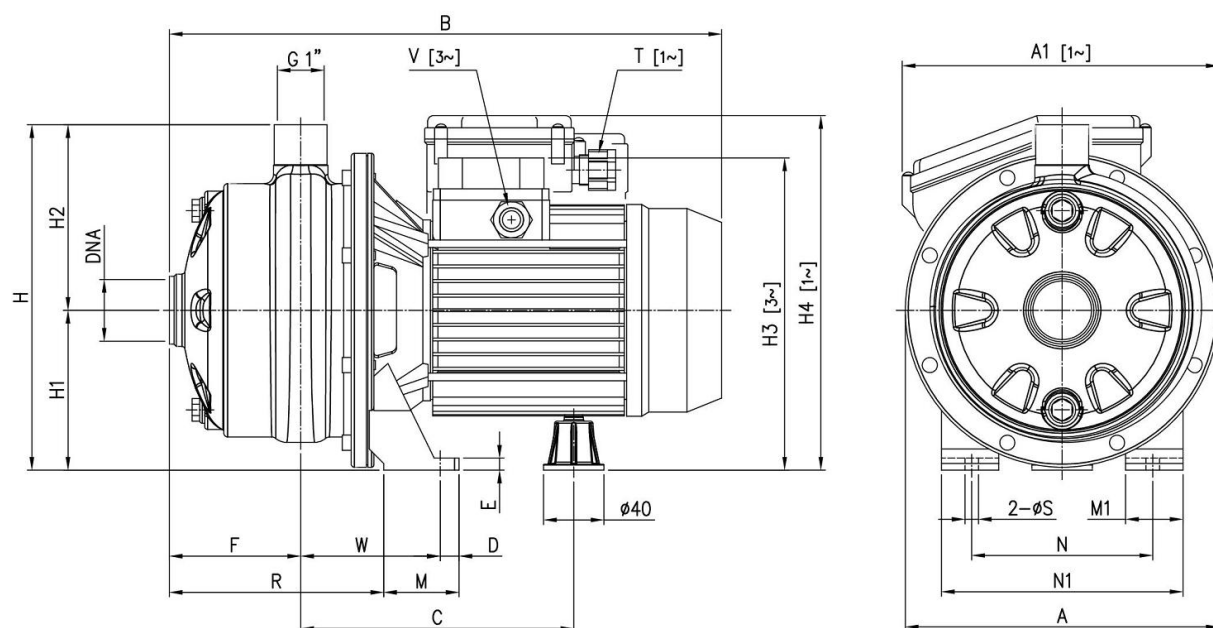
Wasser, rein [100%]; 20°C; 0,9983kg/dm³; 1mm²/s



Abmessungen

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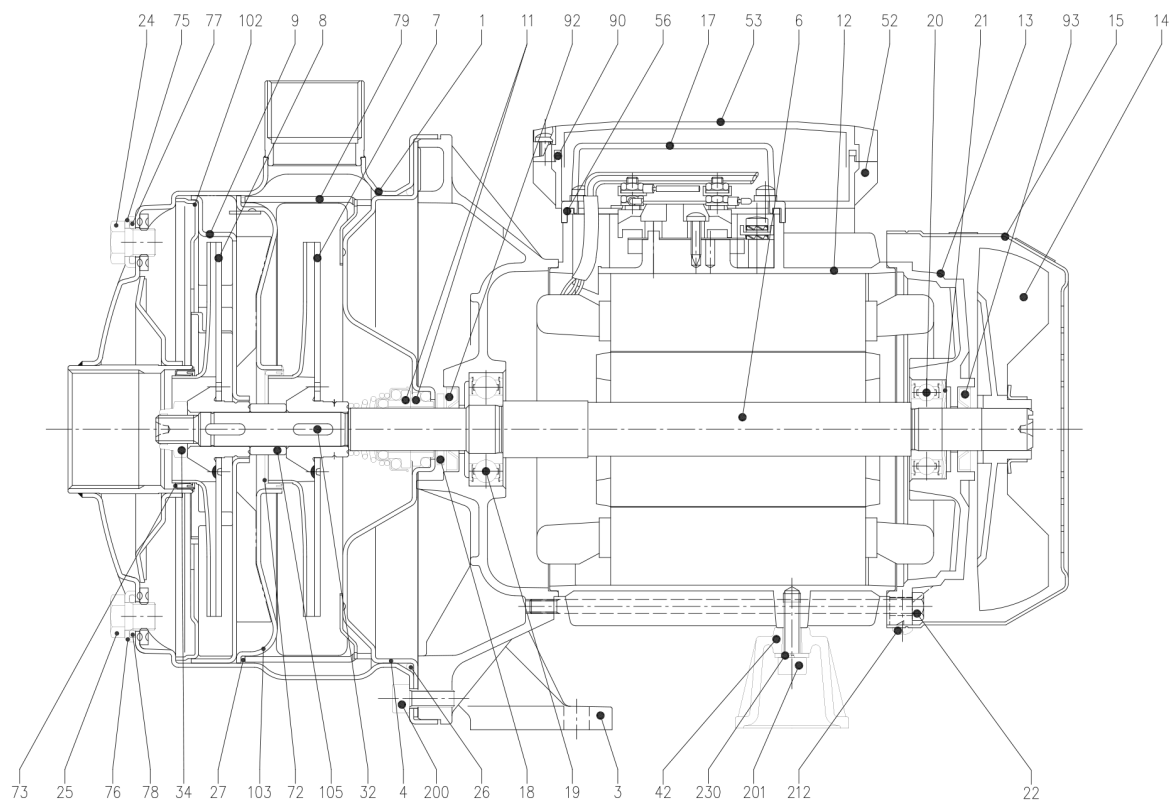


Abmessungen in mm							
1	A	232	N	140			
2	B	407,5	N1	180			
3	C	198,5	R	141,5			
4	D	12,5	S	9			
5	DNA	G1 1/4	V	M20X1.5			
6	E	8	W	95			
7	F	89	Weight P&M	20.1 kg			
8	H	250					
9	H1	118					
10	H2	123					
11	H3	237					
12	M	55					
13	M1	40					

(1/3) Konstruktion

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(2/3) Konstruktion

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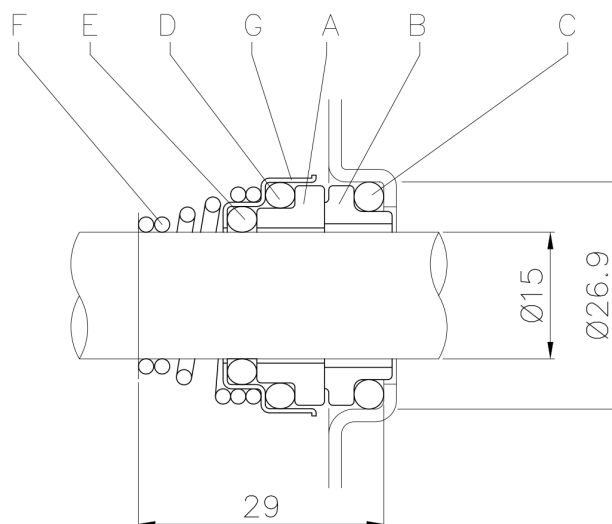
N°	PART NAME	MATERIAL	DIMENSION	STANDARD	Q.TY
1	Casing	AISI 304 / AISI 316 [6]			1
3	Motor bracket	[4]			1
4	Casing cover	AISI 304 / AISI 316 [6]			1
6	Shaft with rotor	AISI 303 / AISI 316 [6] (Wet extension)			1
7	Impeller	AISI 304 / AISI 316 [6]			1
8	Impeller	AISI 304 / AISI 316 [6]			1
9	Diffuser	AISI 304 / AISI 316 [6]			1
11	Mechanical seal	Ceramic/Carbon/NBR			1
12	Motor frame with stator	-			1
13	Motor cover	Aluminium			1
14	Fan	PA			1
15	Fan cover	Fe P04 Galvanized			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 Galvanized			4
24	Priming plug	AISI 304 / AISI 316 [6]			1
25	Drain plug	AISI 304 / AISI 316 [6]			1
26	O-ring [3]	NBR			1
27	O-ring [3]	NBR			1
32	Key	AISI 316			2
34	Impeller nut	Stainless steel A2-70	M10X1,25	UNI 7474	1
42	Motor support	Aluminium			1
52	Capacitor box [1]	ABS class V-0			1
53	Capacitor box cover [1]	ABS class V-0			1
56	Box gasket	NBR			1
72	Casing ring [5]	NBR			1
73	Casing ring [5]	NBR			1
75	Washer	AISI 304			1
76	Washer	AISI 304			1
77	O-ring [3]	NBR			1
78	O-ring [3]	NBR			1
79	Space diffuser	AISI 304 / AISI 316 [6]			1
90	Terminal box cover gasket [1]	NBR			1
92	Lip seal	NBR			1
93	Lip seal	NBR			1
102	Suction cover	AISI 304 / AISI 316 [6]			1
103	Conveyor cover	AISI 304 / AISI 316 [6]			1
105	Sleeve	AISI 304 / AISI 316 [6]			1
200	Screw	Stainless steel A2-70	M6X16	UNI 5931	8
			M8X18		
201	Screw	Zn. Steel cl.8.8		UNI 5931	1
212	Screw	Stainless steel A2	3,5X9,5	UNI 6954	4
230	Washer	Steel C70	6,4	UNI 1751	1

- [1] Only for single phase
 [2] Only for three phase
 [3] FPM for H-HS-HW-HSW
 EPDM for E
 [4] Material: Aluminium for version up to 1.5 kW included
 Cast iron for version 2.2 kW and above
 [5] FPM for H-HS-HW-HSW
 NBR for E
 [6] Only for "L" version

(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