

Customer	Date 20-October-2016	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 °F	68
3	Flow US g.p.m.	0	Kin. viscosity ft ² /s	1.08E-5
4	Head ft	0	Vapour pressure psi	0.319
5	Static head ft	0	PH value	7
6	Inlet pressure psi	1	Density lb/ft ³	62
7	Available system NPSH	0	Solids Weight %	0
8	Environmental temperature °F	68	Altitude ft	3281

Pump

9	Pump name	CDX 120/106	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EPE	Impeller Max. inch	5
12	Speed rpm	3450	Diameter Designed inch	5
13	No. of Stage	1	Min. inch	5
14	Connection Suction side	UNI ISO 228	Flow Operating US g.p.m.	
15	Connection Discharge side	UNI ISO 228	Max- US g.p.m.	47.6
16	Max Working Pressure psi		Min- US g.p.m.	13.2
17	Shut-off head psi	33.71	Head Operating ft	
18	Total weight lb	See the table of "Dimensions".	- (Qmax.) ft	46.1
19	Shaft power hp		- (Qmin.) ft	71.3
20			Max. Shaft Power at max. impeller hp	0.96
21	Required NPSH ft		Efficiency %	

Materials

22				
23				
24				
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_CDX 120/106_460_Three Phase	Phases	3~
30	Specific design	- / 60 Hz / Pole pairs 1	Frame size	
31	Rated power hp	1.0058	Weight lb	0
32	Number of poles	2	Electric voltage V	460
33	Speed rpm	3450	Electric current A	1.7
34	Degree of protection	IP55		
35				

Remarks

Performance curve

Pump name **CDX 120/106**

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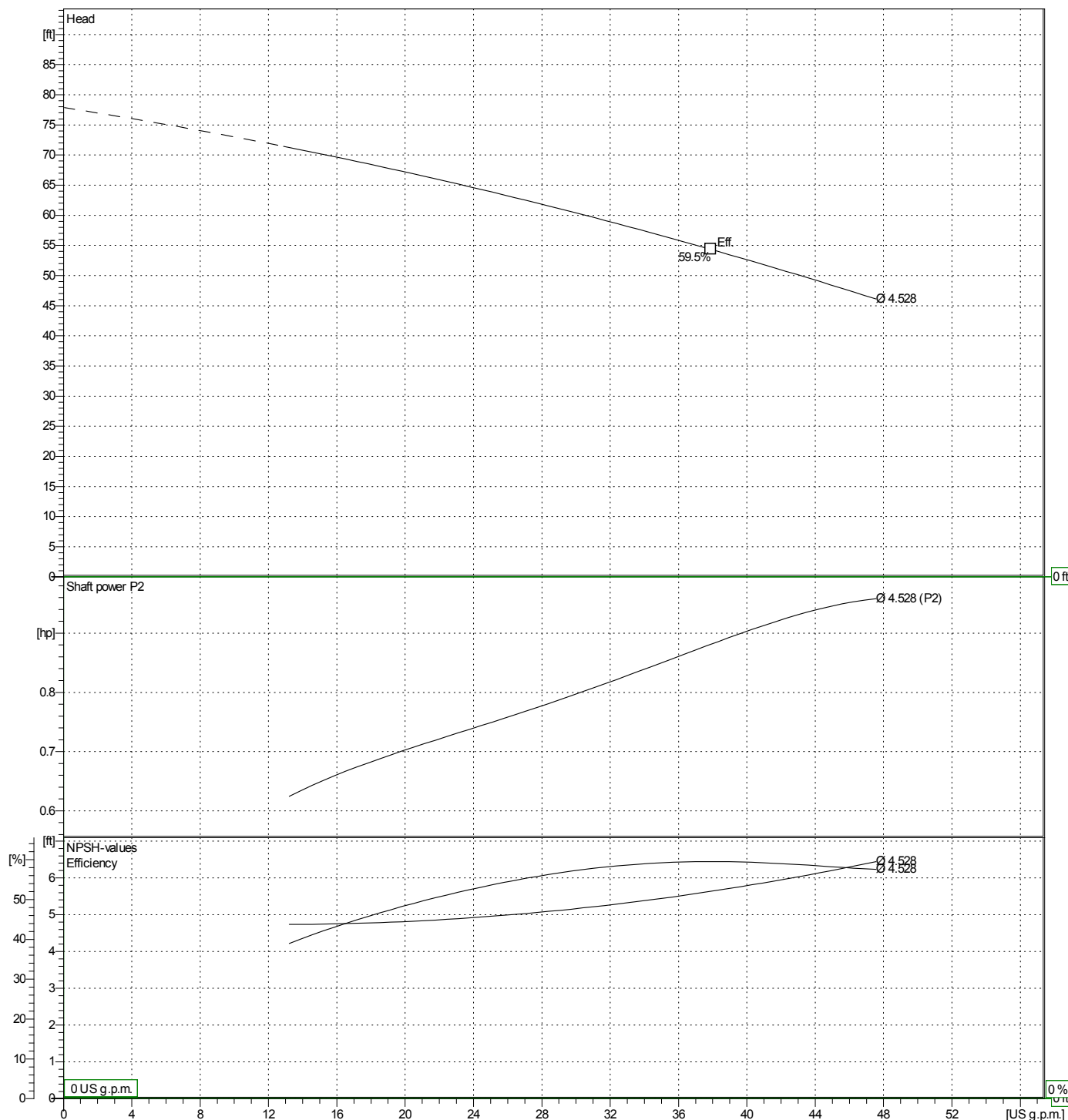
1	Flow	US g.p.m.	0
2	Head	ft	0
3	Static head	ft	0

Pump

Operating Flow	US g.p.m.	Impeller Diameter	Designed in	5
Operating Head	ft	Frequency	Hz	60
		Speed	rpm	

Test standard: ISO 9906:2012 - Grade3B

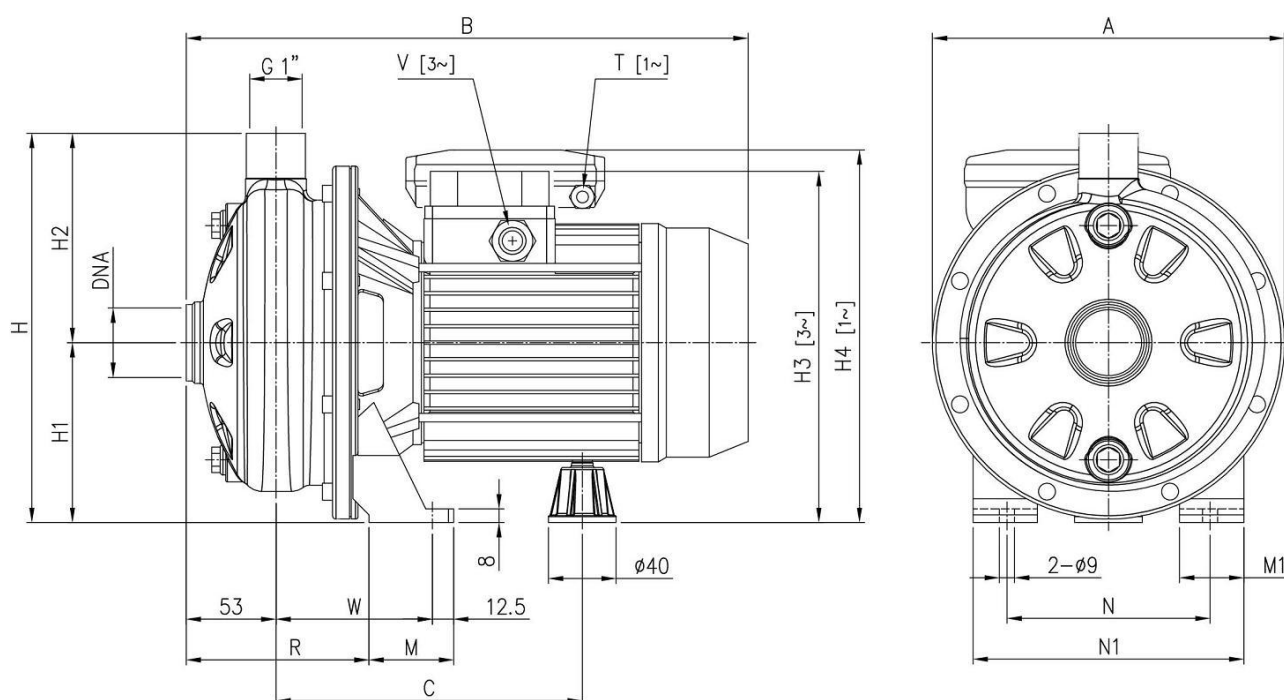
Water, clean [100%]; 68°F; 62.321690545307lb/ft³; 0ft²/s



Dimensions

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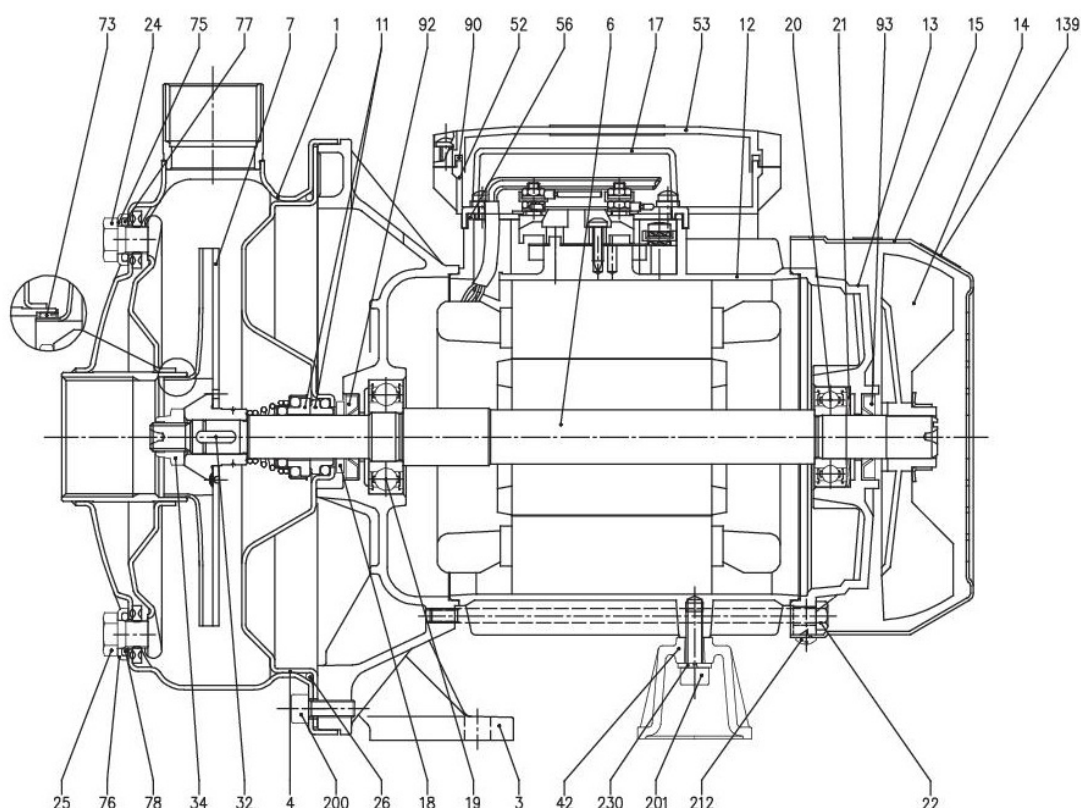


Dimensions in inch							
1	A	8.189	V	PG 11			
2	B	12.598	W	3.6417			
3	C	7.126	Weight kg	0.37402			
4	DNA	G 1 1/4					
5	H	9.0354					
6	H1	4.1732					
7	H2	4.8622					
8	H3	8.1496					
9	M	1.9685					
10	M1	1.4961					
11	N	4.7244					
12	N1	6.2992					
13	R	7.0866					

(1/2) Construction

Pump name CDX 120/106

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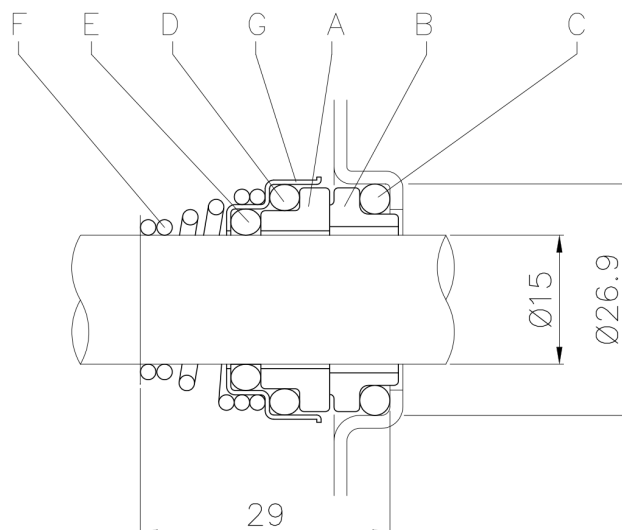
N°	PART NAME	MATERIAL	Q.TY	N°	PART NAME	MATERIAL	Q.TY
1	Casing	Al Si304	1	25	Drain plug	Al Si303	1
3	Motor bracket	Aluminum	1	26	O-ring [3]	NBR	1
4	Casing cover	Al Si304	1	32	Key	Al Si316	1
6	Shaft with rotor	Al Si303 (W etextension)	1	34	Impellernut	Al Si304	1
7	Impeller	Al Si304	1	42	Motor support	Aluminum	1
11	Mechanical seal [3] - [4]	Carbon/Ceramic/NBR	1	52	Terminal box [1]	ABS	1
12	Motor frame with stator	-	1	53	Terminal box cover [6]	ABS [6]	1
13	Motor cover	Aluminum	1	56	Box gasket	NBR	1
14	Fan	PA	1	73	Casing ring [5]	Al Si304	1
15	Fan cover	Fe P04 Zincate	1	75	Washer	Al Si304	1
16	Terminal box	-	1	76	Washer	Al Si304	1
17	Terminal box cover [2]	Aluminum	1	77	O-ring [3]	NBR	1
18	Splash ring	NBR	1	78	O-ring [3]	NBR	1
19	Pump side ballbearing	-	1	90	Terminal box cover gasket [7]	NBR	1
20	Fan side ballbearing	-	1	92	Lip seal	-	1
21	Adjusting ring	Steel C70	1	93	Lip seal	-	1
22	Tie rod	Fe 420 Zincate	4	110	Protector [1]	-	1
23	Capacitor [1]	-	1	200	Screw	Stainless steel A2 UN I7323	8
24	Priming plug	Al Si303	1				

- [1] Only for single phase
- [2] Only for three phase
- [3] FPM for CDX H-HS-HW-HSW
- [4] Special version, see CONSTRUCTION 2
- [5] NBR for CDX 70/076-70/106-70/156
FPM for CDX H-HS-HW-HSW of the CDX 70/076-70/106-70/156
- [6] White gasket in NBR only for version single phase CDX 70/076, 70/106, 70/156, 120/106, 120/156, 200/156
- [7] Only for version single phase CDX 120/206, 200/206

(2/2) Construction

Pump name CDX 120/106

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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