Technical data

Pump name COMPACT A/12

Customer	Date 19-May-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	MULTISTAGE CENTRIFUGAL PUMPS	Fluid		Water, clean
2	Number of pumps / Reserve	1 / 0	Liquid temperature	K	293
3	Flow l/min	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	COMPACT A/12	Frequency		Hz	50
10	Design	MULTISTAGE CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max.	mm	104
12	Speed 1/min	2800		Designed	mm	104
13	No. of Stage	6		Min.	mm	104
14	Connection Suction side	UNI ISO 228	Flow	Operating	l/min	
15	Connection Discharge side	UNI ISO 228		Max-	l/min	80
16	Max Working Pressure kPa	1000		Min-	l/min	20
17	Shut-off head kPa	724.76	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	24.0
19	Shaft power kW			- (Qmin.)	m	67.9
20			Max. Shaft Power at max. impeller		kW	
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	PPE+PS Glass Fiber Reinforced		
23	Casing	Cast iron		
24	Shaft	AISI 416		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	TEFC_COMPACT A/12_230_Three Phase	Phases		3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	0.9	Weight	kg	0
32	Number of poles	2	Electric voltage	V	230
33	Speed 1/min	2800	Electric current	A	4.3
34	Degree of protection	IP 44			
35					

Remarks

EBARA

Performance curve

Pump name COMPACT A/12

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Requested data

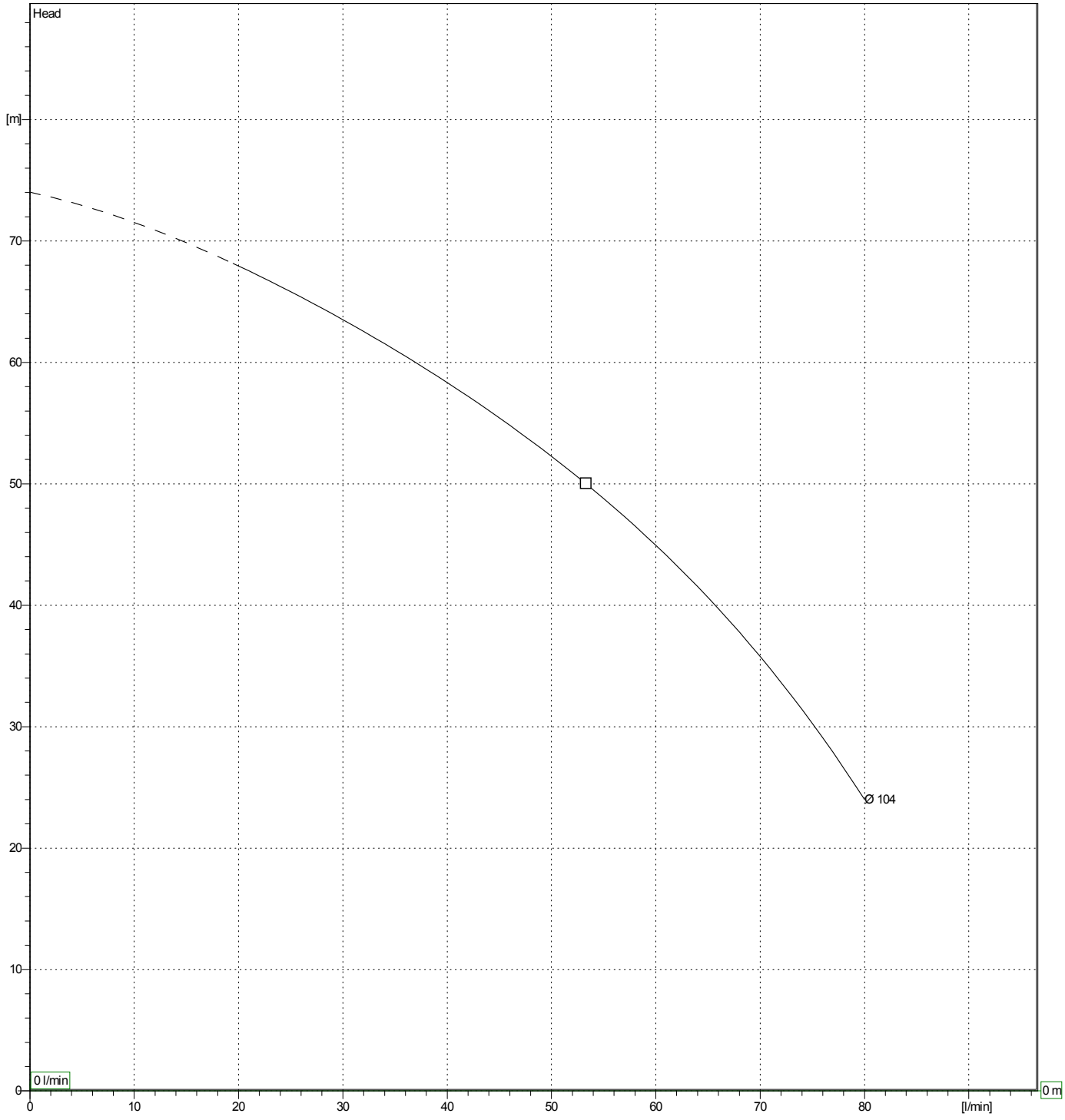
1	Flow	l/min	0
2	Head	m	0
3	Geodetic head	m	0

Pump

Operating Flow		l/min		Frequency	Hz 50
Operating Head		m		Number of poles	2
Impeller Diameter	Designed mm		104	Speed	1/min

Test standard: ISO 9906:2012 - Grade3B

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

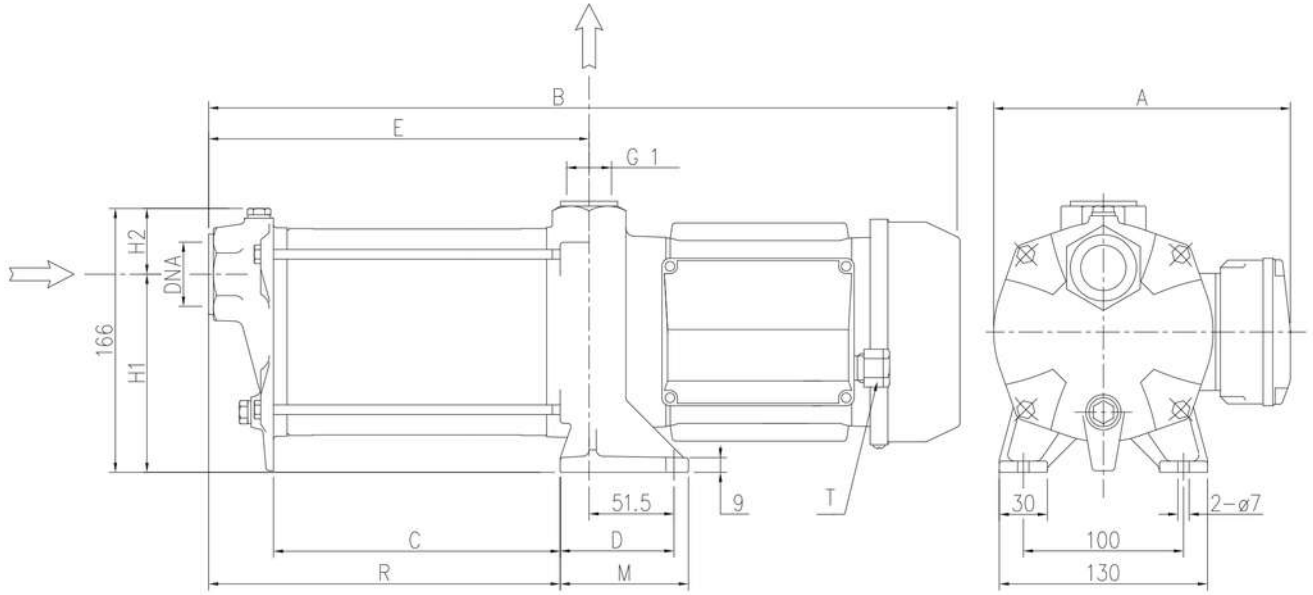


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Dimensions

Pump name COMPACT A/12

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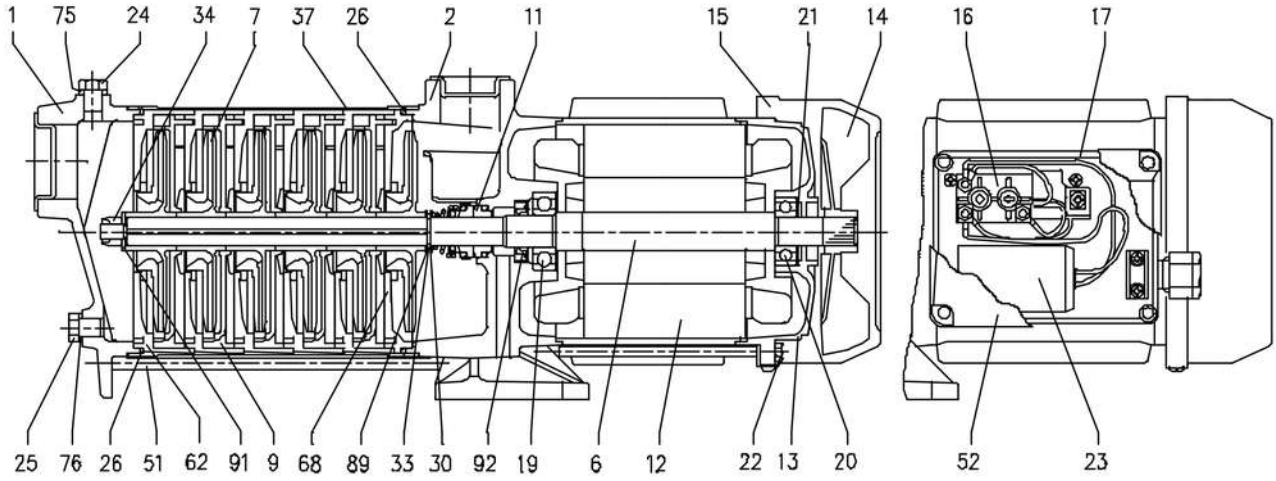
Dimensions in mm								
1	A	169						
2	B	464						
3	C	168						
4	D	69.5						
5	DNA	G 1						
6	E	224.5						
7	H1	127.5						
8	H2	42.5						
9	M	80						
10	R	206.5						
11	T	M16X1.5						
12	Weight P&M	16.3 kg						

EBARA

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Construction

Pump name COMPACT A/12

Customer	Date 19-May-2020	Company
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(2/4)
Construction

Pump name COMPACT A/12

Customer	Date 19-May-2020	Company
Contact	Item no.	Issued by
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N°	PART NAME	MATERIAL	Q.TY
1	Suction casing	G20	1
2	Delivery casing	G20	1
6	Shaft with rotor	AISI 416	1
7	Impeller	PPE+PS Glass Fibre Reinforced	[3]
9	Diffuser	PPE+PS Glass Fibre Reinforced	[3]
11	Mechanical seal [2]	Carbon/Ceramic/NBR	1
12	Motor frame with stator	-	1
13	Motor cover	Aluminium	1
14	Fan	PP	1
15	Fan cover	Fe P04 Zincate	1
16	Terminal board	-	1
17	Terminal box cover [2]	Aluminium PP [1]	1
19	Pump side ball bearing	-	1
20	Fan side ball bearing	-	1
21	Adjusting ring	Steel C70	1
22	Tie rod	Fe 42 Zincate	4
23	Capacitor [1]	-	1
24	Priming plug	Brass	1
25	Drain plug	Brass	1
26	O-ring	NBR	2
30	Washer	AISI 304	1
33	Seeger ring	AISI 304	1
34	Impeller nut	AISI 304	1
37	External pump casing	AISI 304	1
51	Tie rod	Fe P04 Zincate	4
52	Capacitor box	PP class V-0	1
62	Stage housing	PPE+PS Glass Fibre Reinforced	[3]
68	Stage	PPE+PS Glass Fibre Reinforced/PTFE	1
75	Washer	AISI 304	1
76	Washer	AISI 304	1
89	Washer	AISI 304	1
91	Washer	AISI 304	1
92	Lip seal	-	1

[1] Only for single phase
[2] See **CONSTRUCTION 4**
[3] See **CONSTRUCTION 3**

(3/4)
Construction

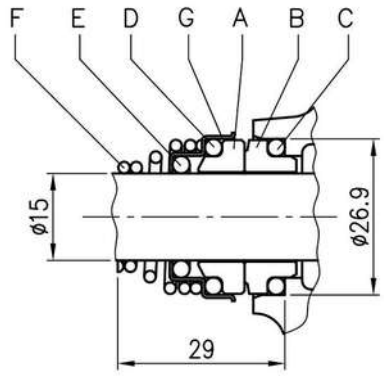
Pump name COMPACT A/12

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(4/4)
Construction

Pump name COMPACT A/12

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REF	PART NAME	MATERIAL product standard
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