

Technical data

Pump name

COMPACT A/8

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	mm ² /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/m ³ 1000
7	Available system NPSH	0	Solids	Weight % 0
8	Ambient temperature K	290		

Pump

9	Pump name	COMPACT A/8	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	4		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	450.51	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 10.5
19	Shaft power kW			- (Qmin.) m 40.0
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/8_230_Three Phase	Phases	3~
30	Specific design	- / 50 Hz / Pole pairs 1	Frame size	
31	Rated power kW	0.6	Weight	kg 0
32	Number of poles	2	Electric voltage	V 230
33	Speed 1/min	2800	Electric current	A 2.6
34	Degree of protection	IP 44		
35				

Remarks

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Performance curve Pump name COMPACT A/8

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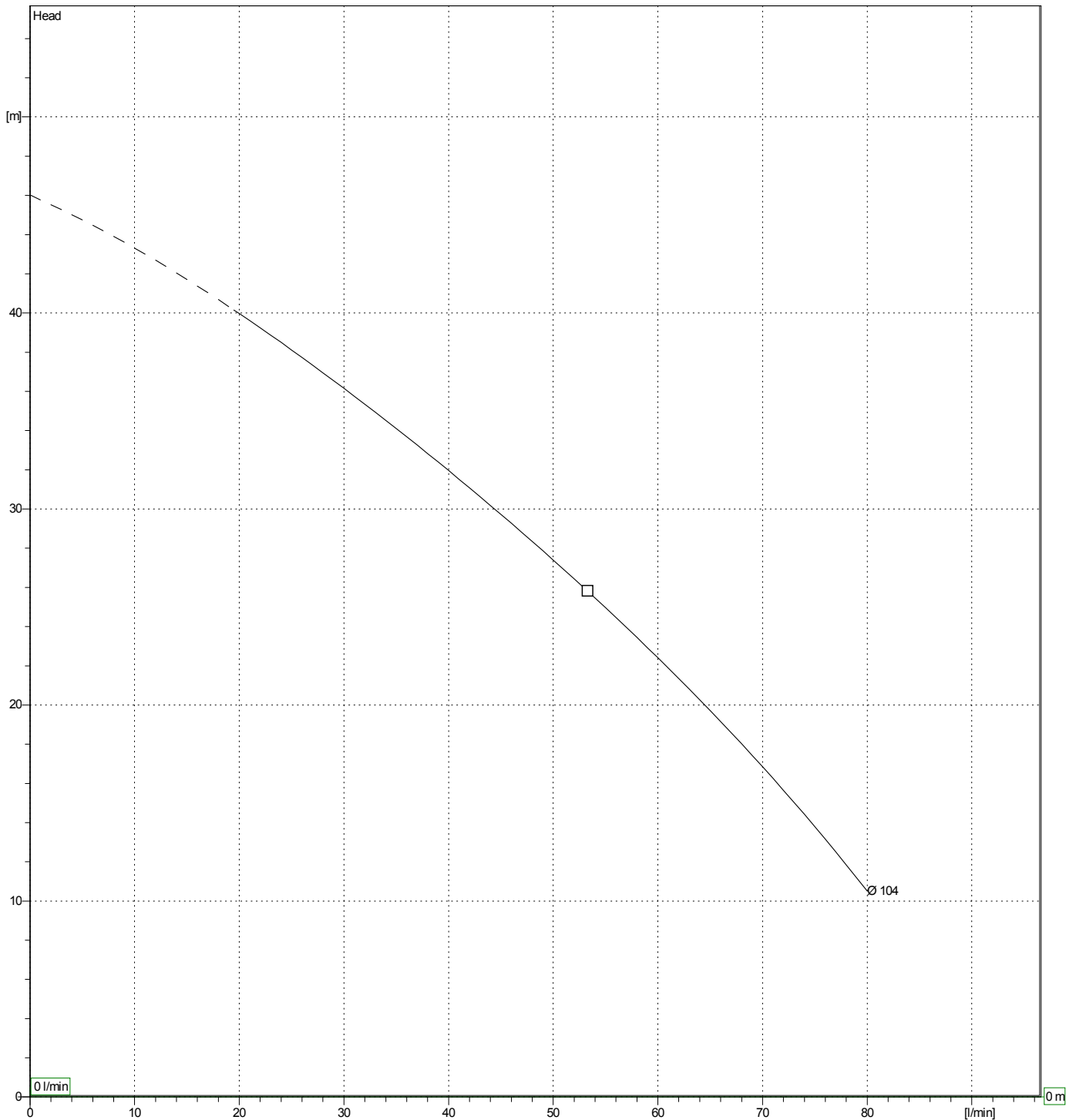
1	Flow	l/min	0
2	Head	m	0
3	Geodetic head	m	0

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

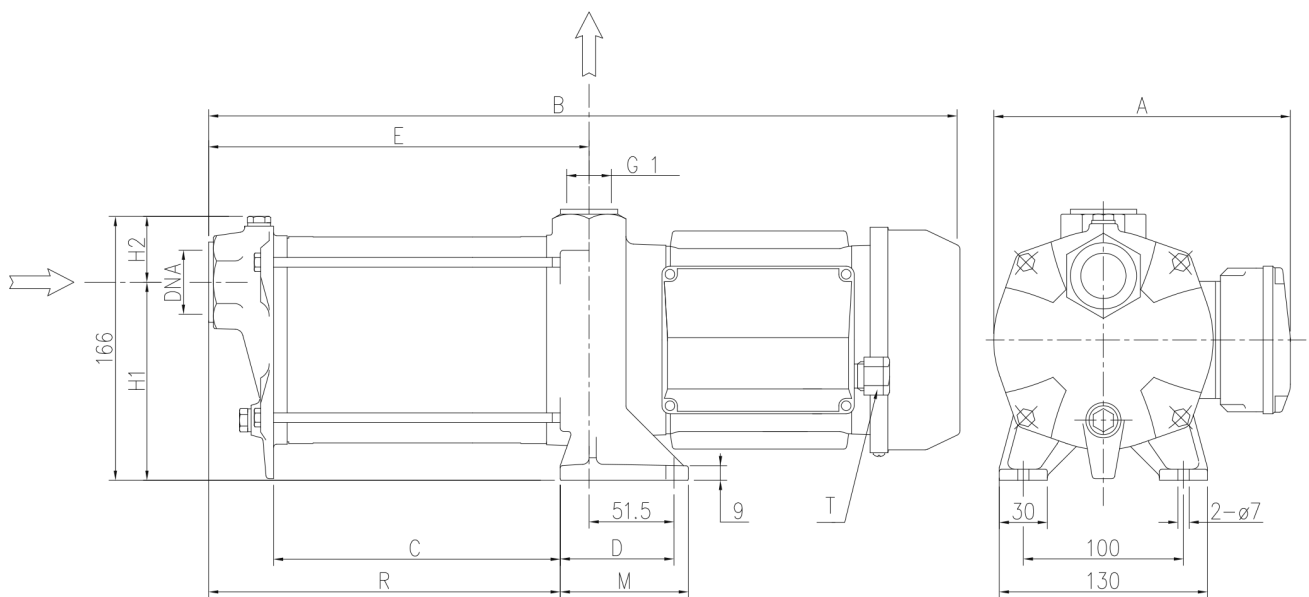
Water, clean [100%] ; 293K; 998.3kg/m³; 1mm²/s



Dimensions

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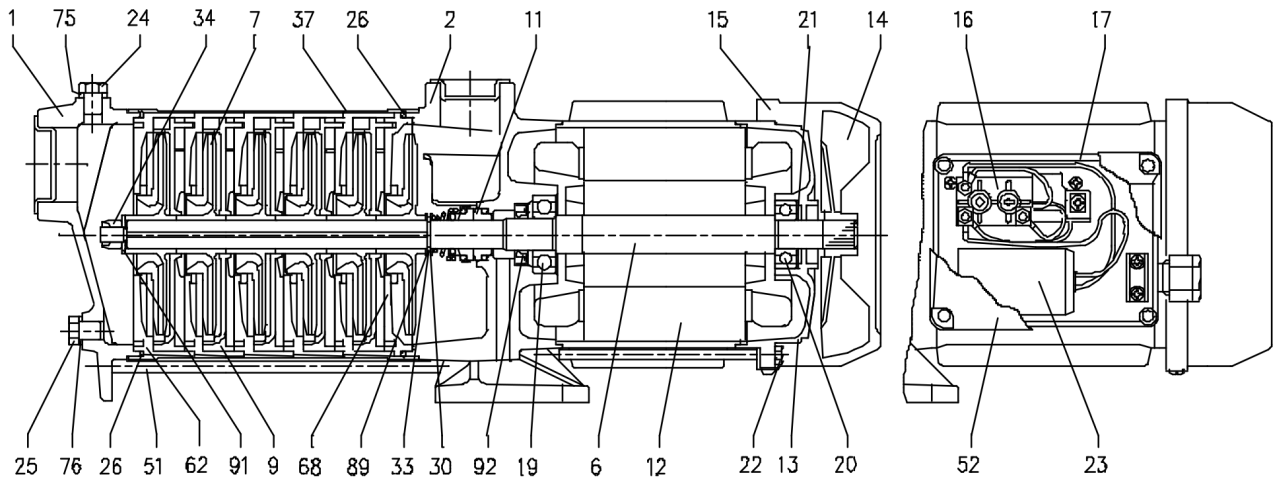


Dimensions in		mm					
1	A	159					
2	B	359.5					
3	C	134					
4	D	51.5					
5	DNA	G 1					
6	E	172.5					
7	H1	127.5					
8	H2	38.5					
9	M	62					
10	R	172.5					
11	T	PG 11					
12	Weight P&M	10.3 kg					

(1/4) Construction

Pump name COMPACT A/8

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(2/4)**Construction**Pump name **COMPACT A/8**

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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**

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Construction

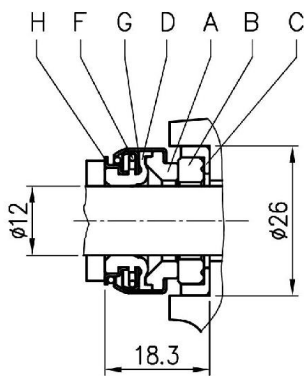
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(4/4) Construction

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REF	PART NAME	MATERIAL
A	Rotary seal ring	carbon graphite
B	Stationary seal ring	ceramic
C	Gasket	NBR
D	Bellows	NBR
F	Self driving spring	AISI 304
G	Frame	AISI 304
H	Retainer ring	AISI 304