

Technical Data

Pump Name

3E-K 80-100/1,5Q1AEGG TT

Customer	Date 09.06.2024	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	IN-LINE CENTRIFUGAL PUMP	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature °C	20
3	Flow m³/h		Kin. viscosity cSt	1.005
4	Head m		Vapour pressure kPa	2.34
5	Geodetic head m		PH value	
6	Inlet pressure (pin) kPa	0	Density kg/m³	998.3
7	Available system NPSH		Solids Weight %	0
8	Ambient temperature °C	20		

Pump

9	Pump Name	3E-K 80-100/1,5Q1AEGG TT	Frequency Hz	50
10	Design	IN-LINE CENTRIFUGAL PUMP	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 103
12	Speed rpm	2900		Designed mm 103
13	No. of Stage	1		Min. mm 103
14	Connection Suction side		Flow	Operating m³/h
15	Connection Discharge side			Max- m³/h 51
16	Max Working Pressure kPa	1000		Min- m³/h 36
17	Shut-off head kPa	121.54	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 7.9
19	Shaft power kW			- (Qmin.) m 9.9
20			Max. Shaft Power at max. impeller kW	1.50
21	Required pump NPSH m		Efficiency %	

Materials

22	Impeller	EN 1.4404 (AISI 316L)		
23	Casing cover	EN 1.4404 (AISI 316L)		
24	Casing	CAST IRON EN-GJL-250-EN-1561		
25	Shaft	EN 1.4404 (AISI 316L)		
26	O-ring	EPDM		
27	Bracket	ALUMINUM		

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_3E-K_2_1.5_400_1	Phases	3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size	80
31	Rated power kW	1.5	Weight kg	
32	Number of poles	2	Electric voltage V	400
33	Speed rpm	2900	Electric current A	3.3
34	Degree of protection	IP55		
35				

Remarks

Performance Curve

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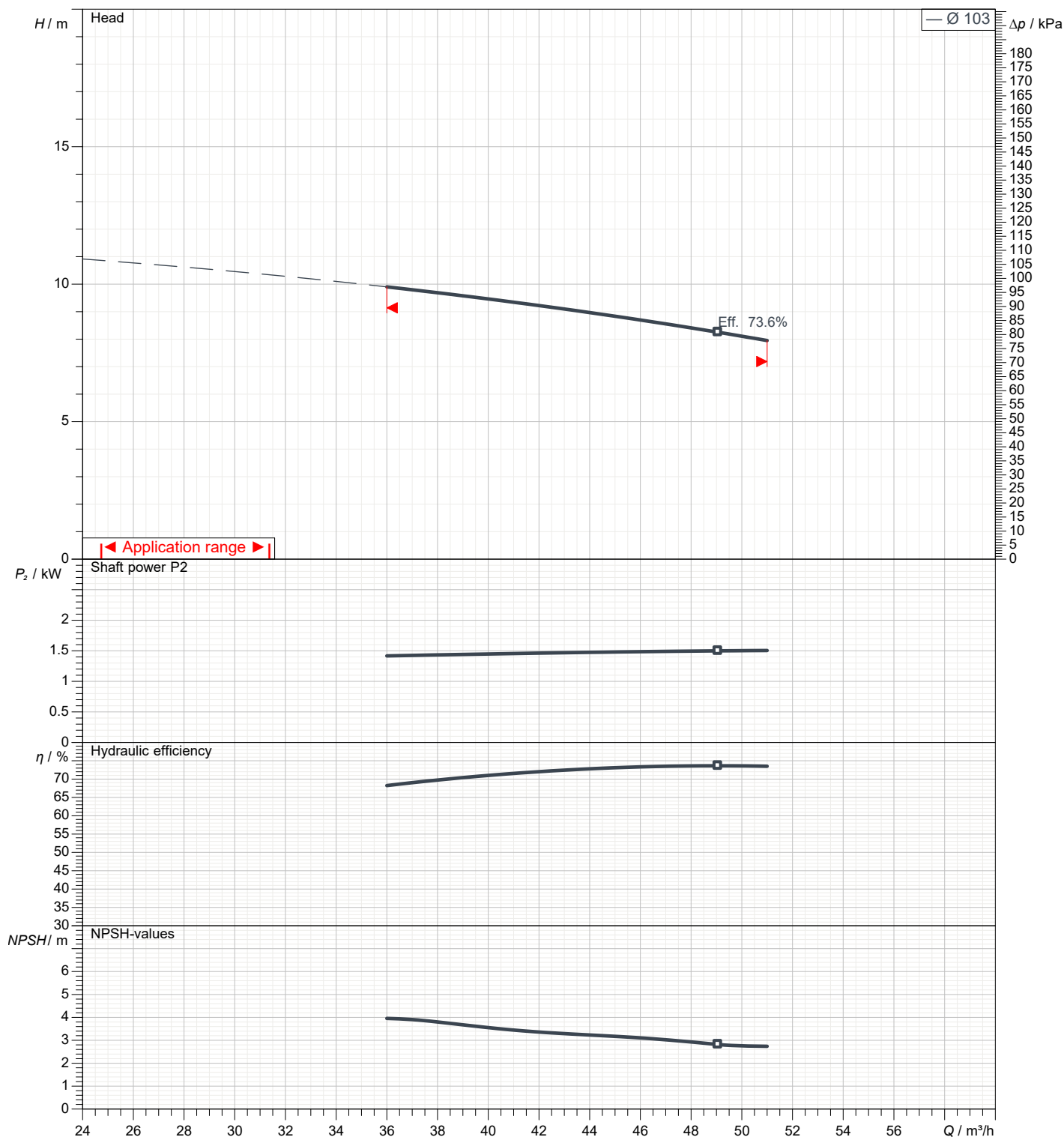
Requested data

1	Flow	m³/h		Operating flow	m³/h		Frequency	Hz	50
2	Head	m		Operating head	m		Number of poles		2
3	Geodetic head	m		Impeller diameter designed	mm	103	Speed	rpm	2900

Pump

Test standard: ISO 9906:2012 - Grade3B

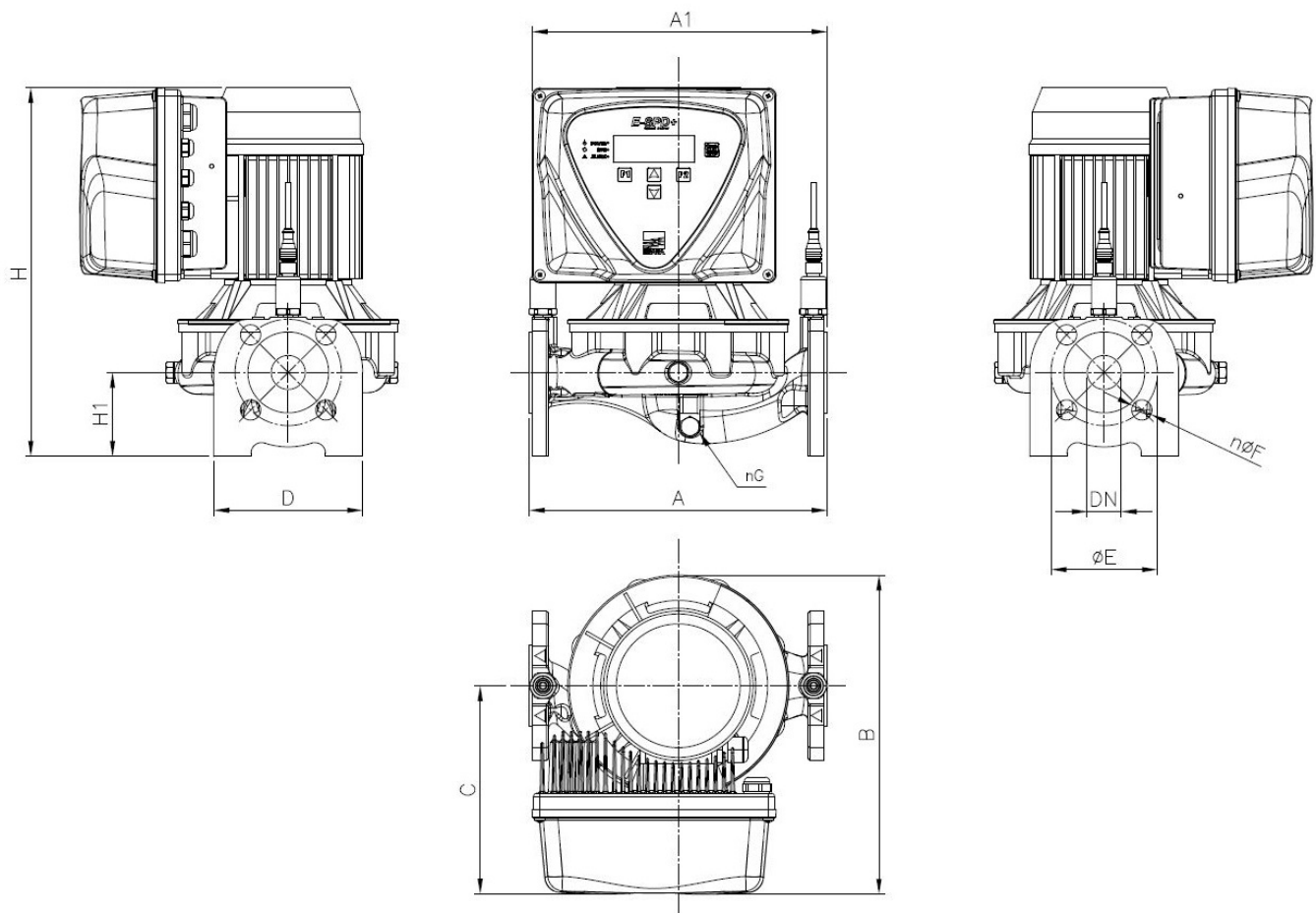
Water; 20°C; 998.3kg/m³; 1cSt



Dimensions

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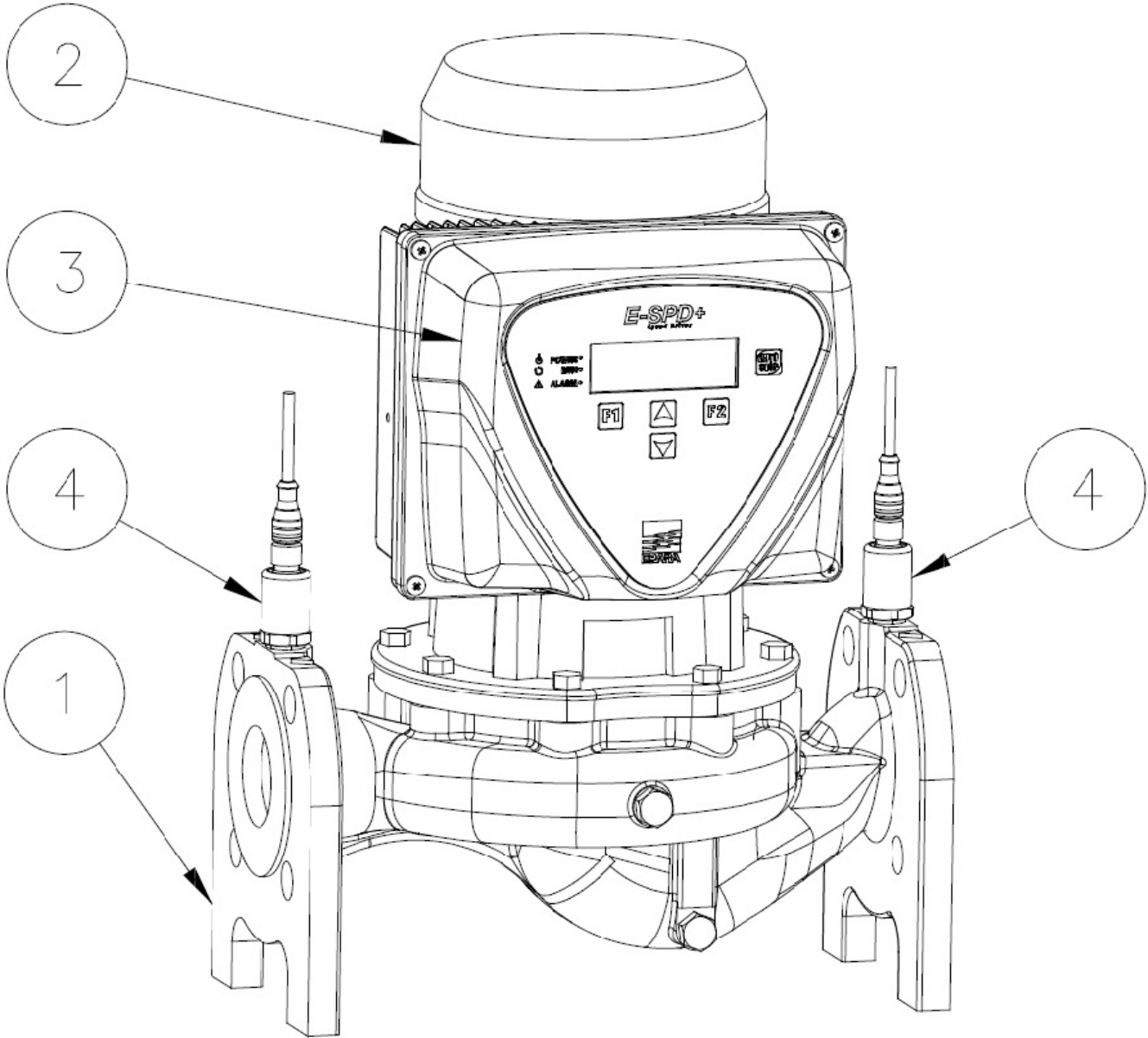


Dimensions in		mm						
1	A	340						
2	B	300						
3	C	196						
4	D	185						
5	E	145						
6	H	353						
7	H1	82						
8	nG	4-G1/4"						
9	nØF	4-Ø19						
10	Weight P&M	40 kg						
11								
12								
13								
14								
15								

(1/2)
Construction

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N°	PART NAME	Quantity
1	Pump	1
2	Electric motor	1
3	E-SPD+	1
4	Pressure transducer	2

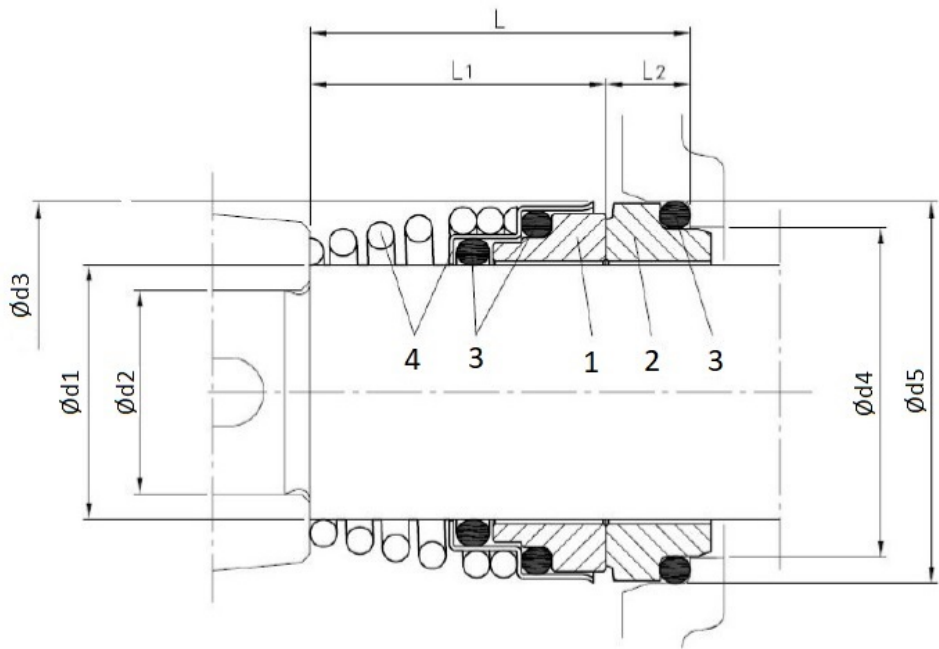
(2/2)

Construction

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Version	Dimensions [mm]								Material			
	d1	d2	d3	d4	d5	L	L1	L2	1 Rotary seal ring	2 Stationary seal ring	3 Rubber	4 Frame + Spring
Standard (Q1AEGG)	22	19	36	31	37	37.5	27.5	10	Silicon Carbide	Metallised Carbon	EPDM	EN 1.4401 (AISI 316)