

Technical Data

Pump Name

3E 32-125/0.75

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	Inline vertical	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 32-125/0.75	Frequency Hz	50
10	Design	Inline vertical	Installation type	With motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 144
12	Speed rpm	2900		Designed mm 144
13	No. of Stage	1		Min. mm 144
14	Connection Suction side	EN 10k	Flow	Operating m³/h
15	Connection Discharge side	EN 10k		Max- m³/h 9
16	Max Working Pressure kPa	1000		Min- m³/h 1.5
17	Shut-off head kPa	244.15	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 15.7
19	Shaft power kW			- (Qmin.) m 24.8
20			Max. Shaft Power at max. impeller kW	0.75
21	Required pump NPSH m		Efficiency %	

Materials

22	Impeller	AISI 304		
23	Casing	Cast iron		
24	Shaft	AISI 304(wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_3E_2_0.75_230_1	Phases	3~
30	Specific design	TEFC / 50 Hz / Pole pairs 1	Frame size	
31	Rated power kW	0.75	Weight kg	
32	Number of poles	2	Electric voltage V	230
33	Speed rpm	2900	Electric current A	3.3
34	Degree of protection	IP55		
35				

Remarks

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Performance Curve

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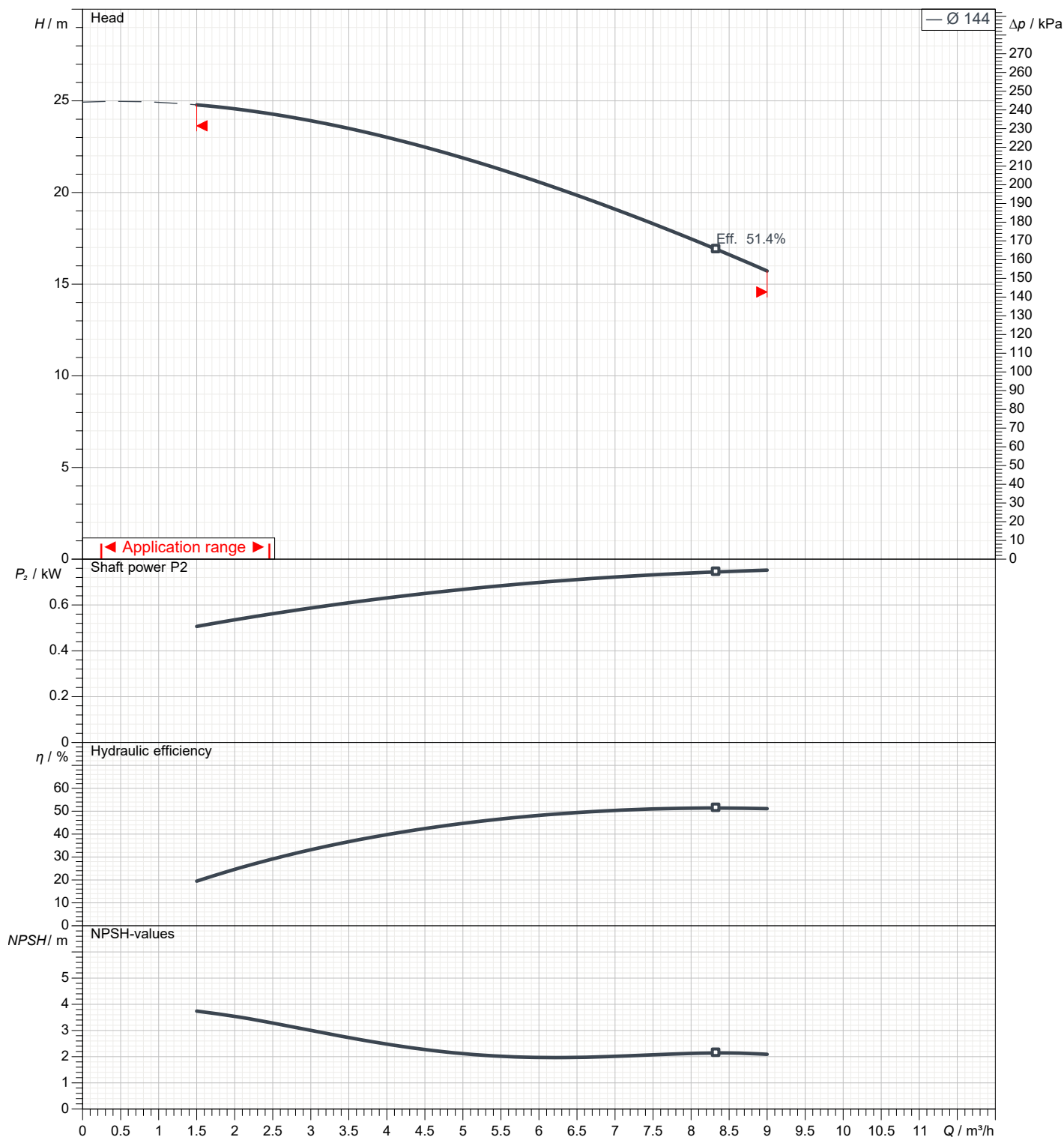
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	144	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

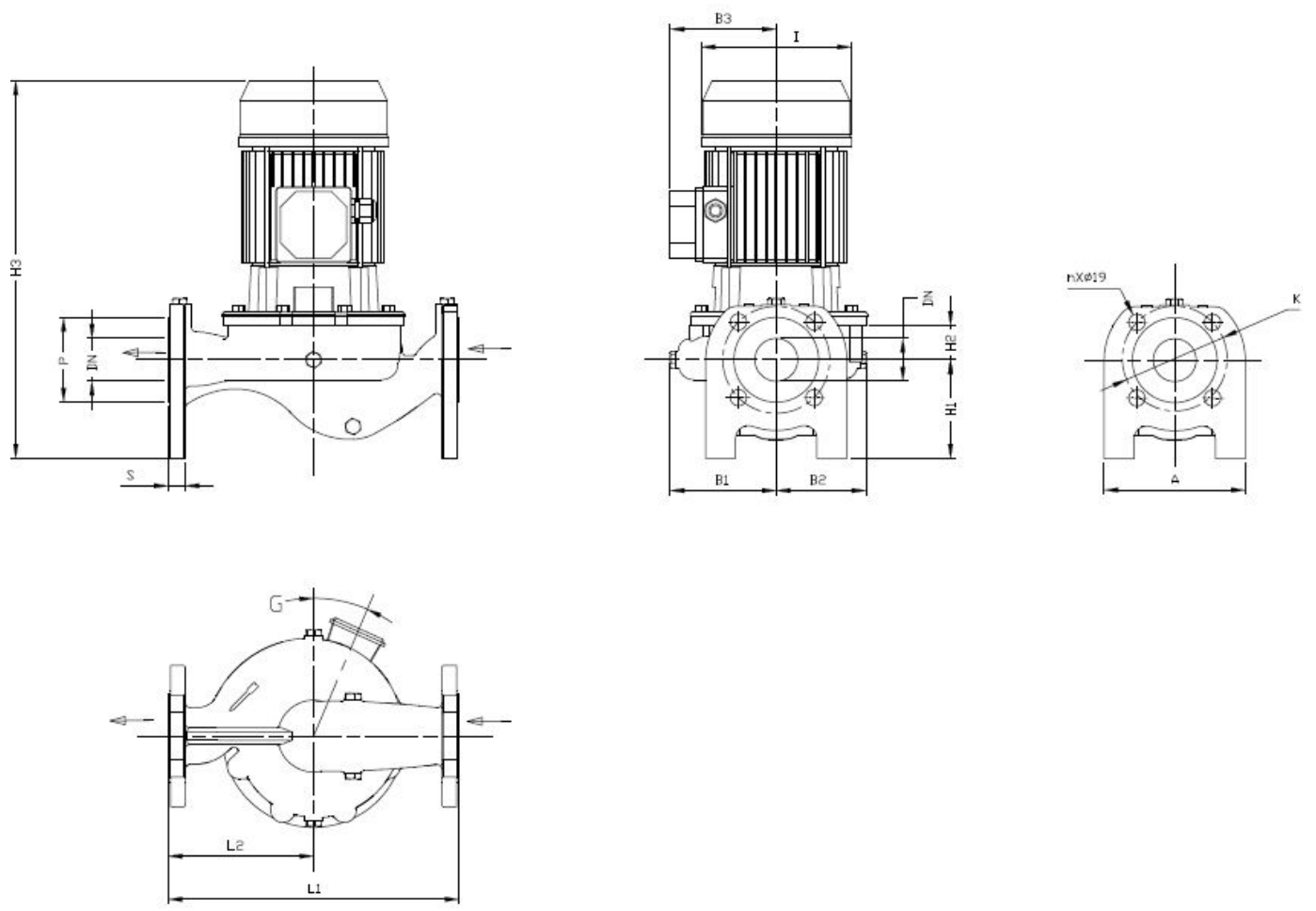
Water; 20°C; 998.3kg/m³; 1cSt



Dimensions

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Dimensions in mm								
1	A	140	Φ K	100				
2	B1	115	Φ P	76				
3	B2	103						
4	B3	101						
5	G	0						
6	H1	79						
7	H2	38						
8	H3	347						
9	I	140						
10	L1	280						
11	L2	140						
12	n	4(Num)						
13	S	18						
14	Weight P&M	19.4 kg						
15	Φ DN	32						

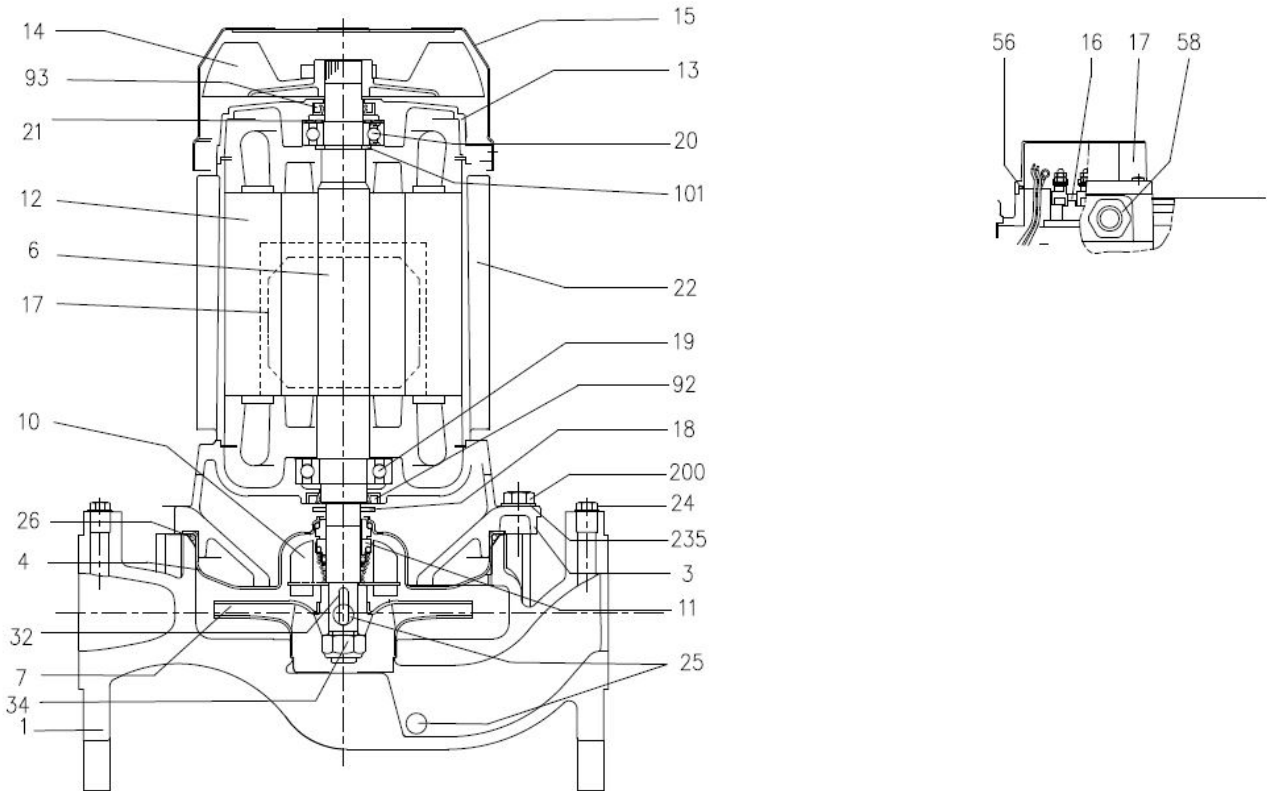
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Construction

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Construction

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No	PART NAME		MATERIAL	DIMENSIONS	STANDARD	Q.TY
1	Casing		Cast iron EN-GJL-250-EN 1561			1
3	Motor bracket	[1]	-			1
4	Casing cover		EN 1.4301(AISI 304)			1
6	Shaft with rotor - Wet extension		EN 1.4301(AISI 304)			1
7	Impeller		EN 1.4301(AISI 304)			1
10	Baffle	[2]	EN 1.4301(AISI 304)			1
11	Mechanical seal	[3]				1
12	Motor frame with stator		-			1
13	Motor cover		Aluminium			1
14	Fan		PA			1
15	Fan cover		Fe P04 Galvanized			1
16	Terminal		-			1
17	Terminal box cover		Aluminium (three phase version)			1
18	Splash ring	0.37 kW to 0.75 kW		25x14.5x2.5	EBARA DRAWING	1
		Up to 11kW		40x21.5x2		
		15 kW and above		50x29.5x3		
19	Bearing		*			1
20	Bearing		*			1
21	Adjusting ring		Steel C70			1
22	Tie rod	Up to 3 kW	Fe 42 Galvanized	M5	EBARA DRAWING	4
		For 4 to 7.5 kW		M6		
		9.2 kW to 11kW		M8		
	Screw	15 kW and above	Gv. Steel 8.8 strength class ISO 898-1	M10x40	UNI 5739	
24	Plug		Brass	G 1/4		2
25	Drain plug		Brass	G 1/4		4
26	O-ring	32-125,50-100,50-125,65-100,80-100,40-160/1.1	EPDM[4]	158.11x5.34	OR 6625	1
		40-160, 50-160,		183.52x5.34	OR 6720	
32	Key	32-125,50-100,65-100/0.55,65-100/0.75	EN 1.4401(AISI 316)	A 4x4x14	UNI 6604	1
		40-160,50-125,50-160,65-100/1.1,65-100/1.5,80-100		A 6x6x18		
34	Impeller nut	32-125,50-100,65-100/0.55,65-100/0.75	EN 1.4301(AISI 304)	M10x1.25	UNI 7474	1
		40-160,50-125,50-160,65-100/1.1,65-100/1.5,80-100		M16x1.5		
56	Box gasket		NBR			1
58	Cable gland		-			1
92	Lip seal	32-125,50-100,65-100		15x30x5	DIN 3760 without spring	1
		Up to 3kW		25x40x7		
		From 4 to 7.5 kW		30x47x7		
93	Lip seal	32-125,50-100,65-100/0.55,65-100/0.75		15x30x5	DIN 3760 without spring	1
		40-160,50-125,80-100		17x32x6		
		Up to 4 kW		25x40x7		
200	Screw	32-125,50-100,65-100/0.55,65-100/0.75	Gv. Steel 8.8 strength class ISO 898-1	M6x25	UNI 5739	8
		65-100/1.1,65-100/1.5		M 6x30		
		50-125,80-100		M 8x30		
		40-160,50-160		M10x35		
235	Washer	32-125,50-100,65-100	Galvanized Steel		UNI 6592	8
		50-125,80-100		8.4x17		8
		40-160,50-160		10.5x21		10

[1] Cast iron EN-GJL-200-EN 1561 for models with 15,18.5, 22 kW motor
Aluminum AL-EN-1706-AC-46000-D for all the others;

[2] EN1.4301(AISI 304) for 32-125,40-160,50-100/125/160
CF8 for 65-100,80-100

[3] See MECHANICAL SEAL pages

[4] FPM for Q1AVGG
EPDM for Q1AEGG,Q4Q1EGG

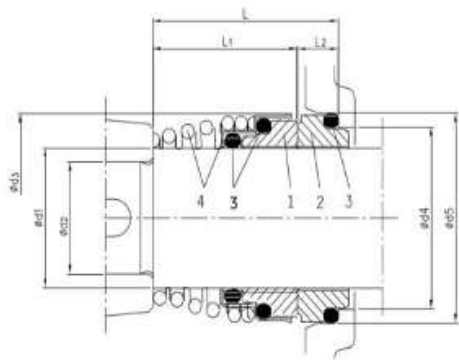
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Version	Pump type	Dimensions [mm]								Material			
		d1	d2	d3	d4	d5	L	L1	L2	1 Rotary seal ring	2 Stationary seal ring	3 Rubber	4 Frame + Spring
Standard (Q1AEGG)	32-125/160/200 50-100 65-100/0.55-0.75 40-160/200	15	12	26	21	26.9	29	22	7	Silicon Carbide	Metarialsed Carbon	EPDM	EN 1.4401 (AISI 316)
	50-125/160/200 65-100/1.1-1.5 65-125/160/200 80-100	22	19	36	31	37	37.5	27.5	10				
	80-160/9.2-11 80-160/15 80-200 100-160	30	24	46	39	45	42.5	32.5	10				