

Booster set name

Technical Data

1 GPE MATRIX 3-4T/0.65 ESPM

Customer	Date	09.04.2024	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID		E-mail

Requested data

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

Pump

9	Pump Name		MATRIX 3-4T/0.65	Hz	50	
10	Design		HORIZONTAL MULTISTAGE PUMPS	Installation type	STANDARD	
11	Manufacturer			Impeller Diameter	Max. mm	99
12	Speed	1/min	2850		Designed mm	99
13	No. of Stage		4		Min. mm	99
14	Connection	Suction side	UNI ISO 228	Flow	Operating m ³ /h	
15	Connection	Discharge side	UNI ISO 228		Max- m ³ /h	4.8
16	Max Working Pressure	kPa	1000		Min- m ³ /h	1.2
17	Shut-off head	kPa	442.57	Head	Operating m	
18	Total weight	kg			- (Qmax.) m	16.0
19	Shaft power	kW			- (Qmin.) m	41.8
20				Max. Shaft Power at max. impeller	kW	0.59
21	Required pump NPSH	m		Efficiency	%	

Materials

22	Impeller	AISI 304	
23	Casing	AISI 304	
24	Shaft	AISI 304 wet extension	
25			
26			
27			

Motor

28	Manufacturer	EPE Standard	Insulation class	F		
29	Type	TEFC_MATRIX 3-4T/0.65M_230_Single Phase	Phases	1~		
30	Specific design	IE2 / 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	1/min	2850	Electric current	A	4.4
34	Degree of protection	IP 55				
35						

Remarks

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Performance Curve

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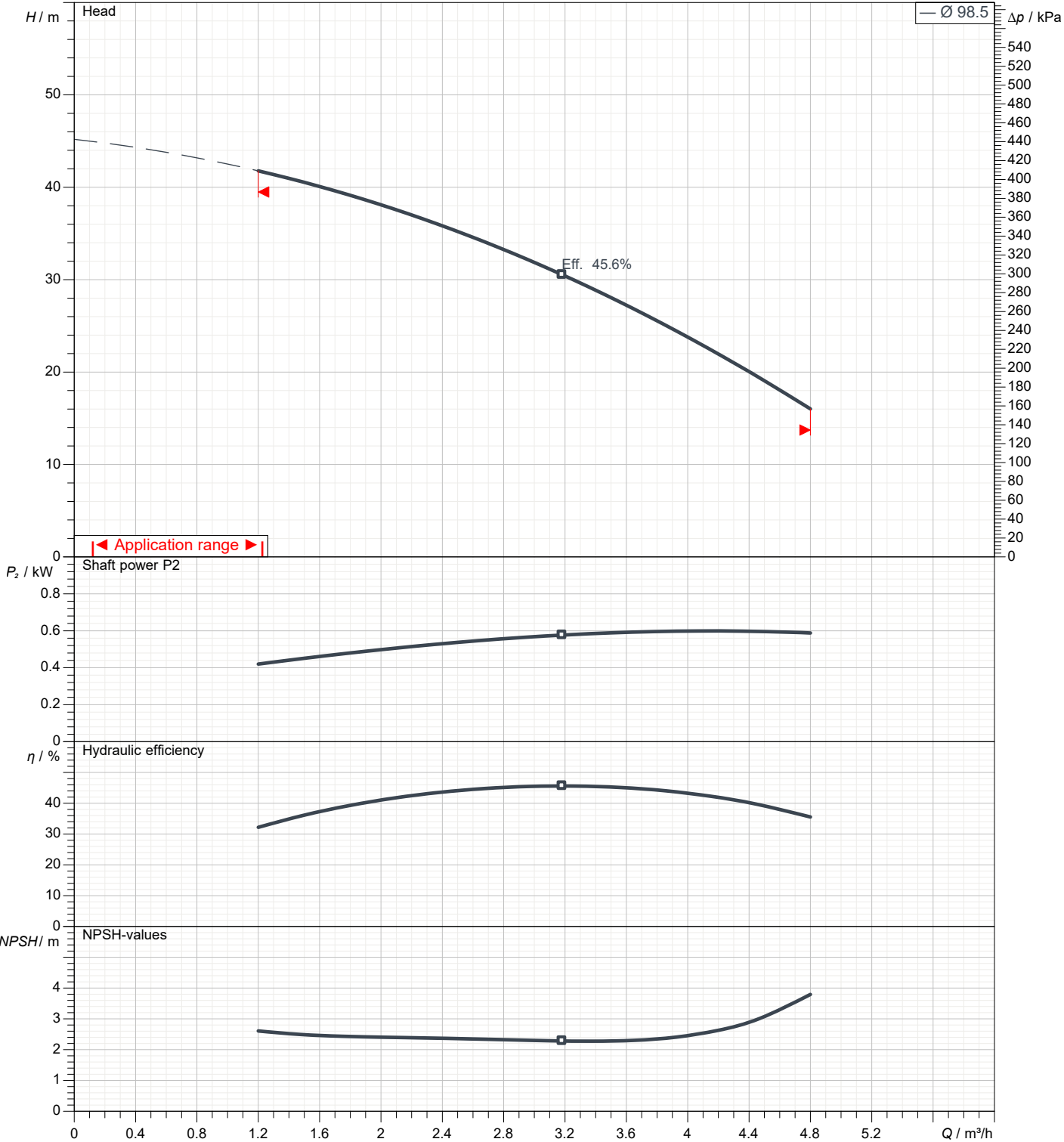
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Hz	50
Operating head	m		Number of poles	2
Impeller diameter designed	mm	99	Speed	1/min 2850

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s

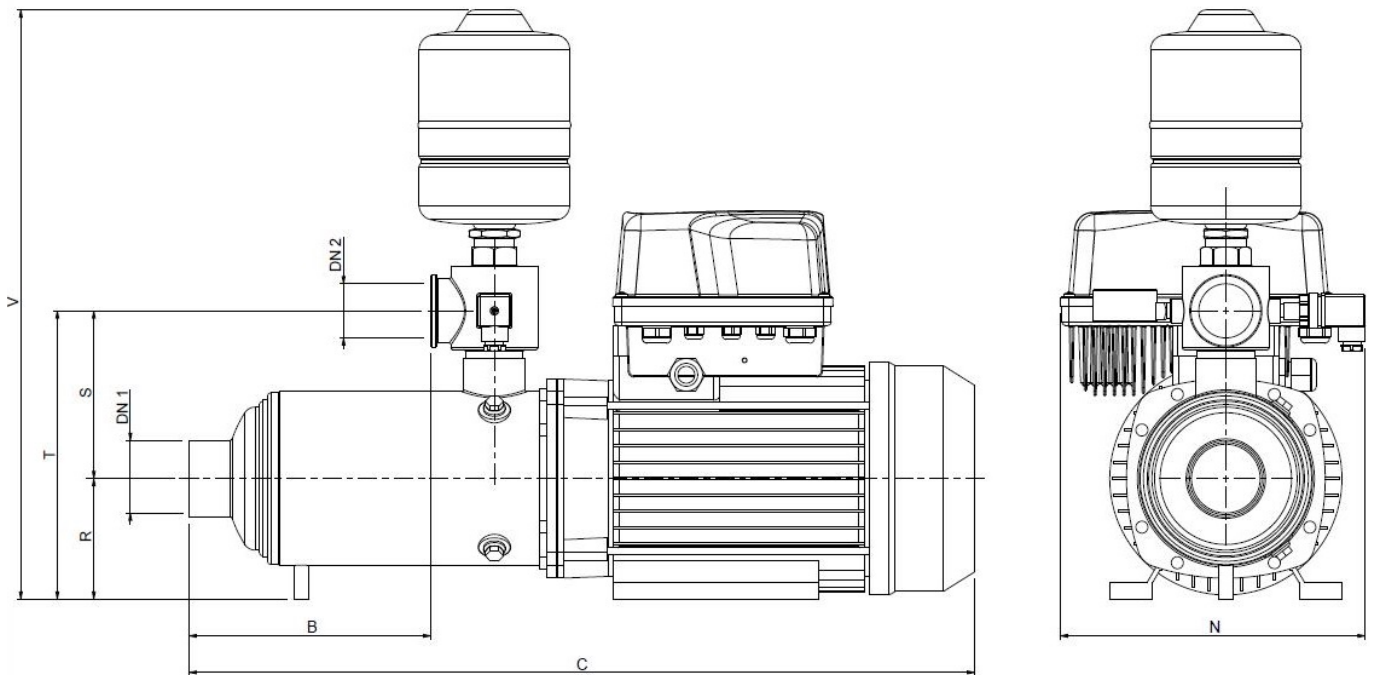


Dimensions

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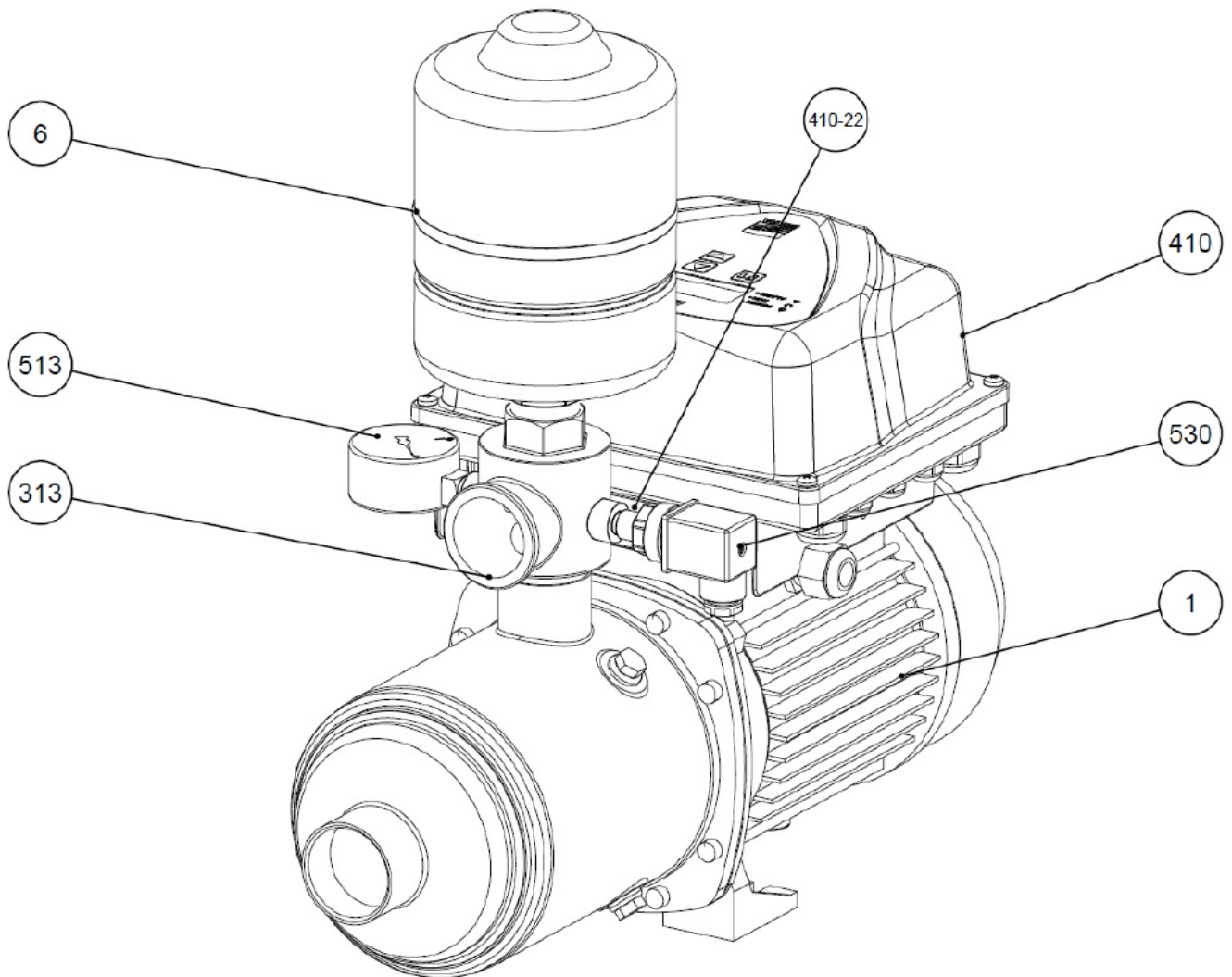
Dimensions in		mm						
1	B	101						
2	C	384						
3	DN1	G1						
4	DN2	FG1						
5	N	F24						
6	R	390						
7	S	133						
8	T	223						
9	V	461						
10	Weight kg	16.9						
11								
12								
13								
14								
15								

(1/2) Construction

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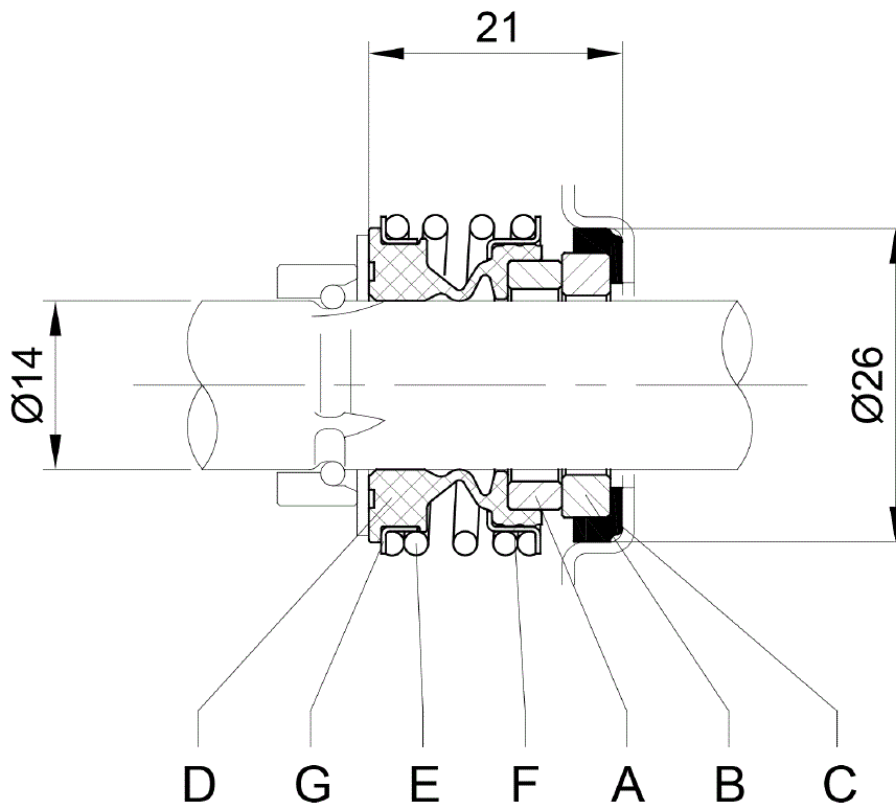
N°	PART NAME	MATERIAL	Quantity
1	Electropump	-	1
6	Membrane Vessel	-	1
313	5-Way Check Valve	AISI 304	1
410	E-SPD+	-	1
410-22	E-SPD+ adaptor	-	1
513	Pressure gauge	Copper alloy / plastic	1
530	Pressure transmitter	-	1

(2/2)
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MECHANICAL SEAL



	A	B	C	Material	E	F	G
	Rotary seal ring	Stationary seal ring	Gasket	D Bellows	Spring	Frame	Retainer ring
STANDARD*	Carbon	Ceramic	EPDM	EPDM	EN 1.4402 (AISI 316)	EN 1.4402 (AISI 316)	EN 1.4402 (AISI 316)

*Approval for drinking water application
WRAS Approval product

