Technical data

Pump name LPS 50/40 M

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	IN LINE 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	LPS 50/40 M	Frequency		Hz	50
10	Design	IN LINE CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max.	mm	95
12	Speed 1/min	2800		Designed	mm	95
13	No. of Stage	1		Min.	mm	95
14	Connection Suction side		Flow	Operating	l/min	
15	Connection Discharge side			Max-	l/min	320
16	Max Working Pressure kPa	1000		Min-	l/min	120
17	Shut-off head kPa	95.68	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	3.5
19	Shaft power kW			- (Qmin.)	m	9.0
20			Max. Shaft Power at max. impeller		kW	0.34
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	AISI 304		
23	Casing	AISI 304		
24	Shaft	AISI 303 (wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	TEFC_LPS 50/40 M_230_Single Phase	Phases		1~
30	Specific design	- / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	0.4	Weight	kg	0
32	Number of poles	2	Electric voltage	V	230
33	Speed 1/min	2800	Electric current	A	2.74
34	Degree of protection	IP 55			
35					

Remarks

EBARA

Performance curve **Pump name** LPS 50/40 M

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Requested data

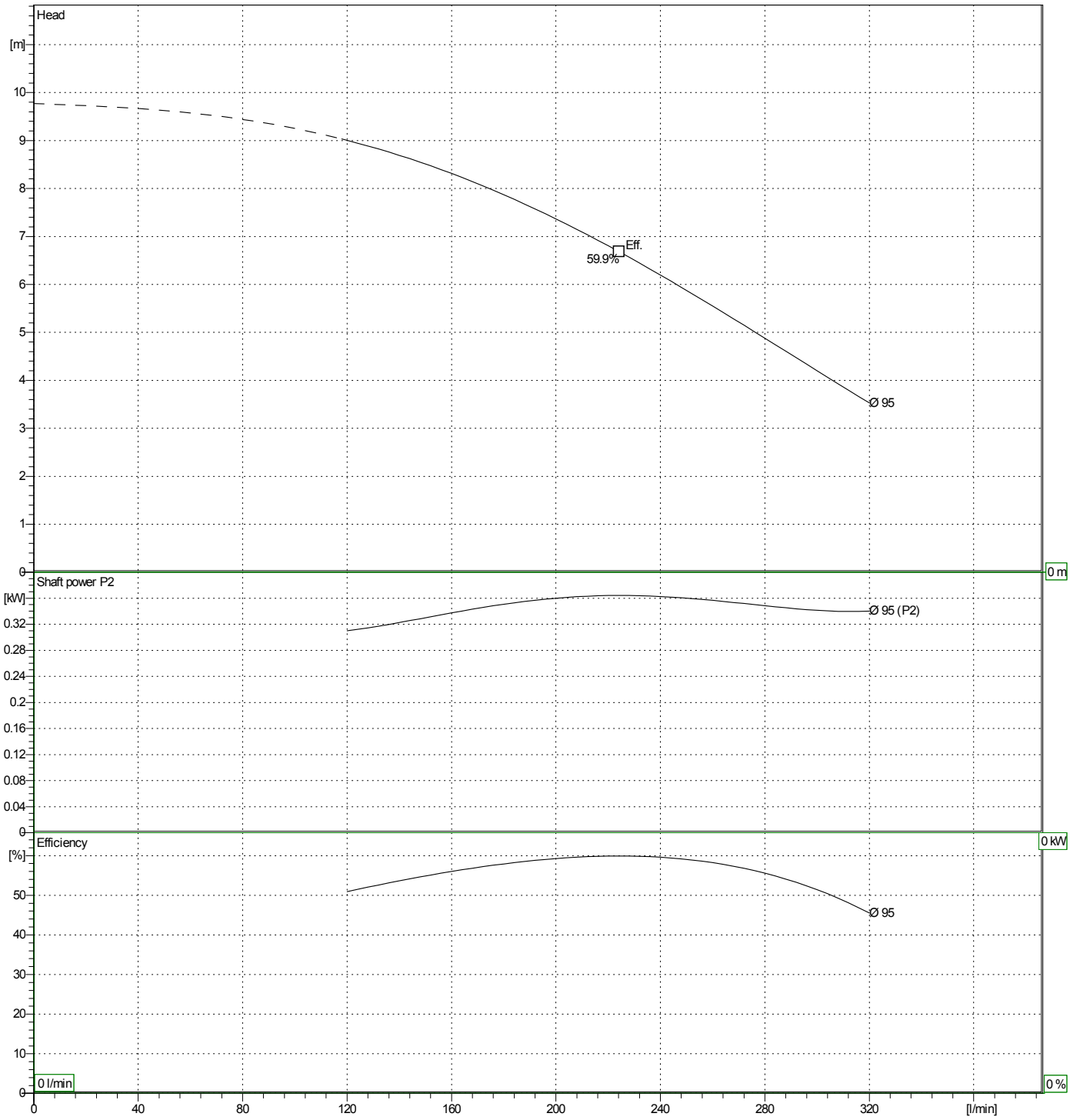
1	Flow	l/min	0
2	Head	m	0
3	Geodetic head	m	0

Pump

Operating Flow	l/min		Frequency	Hz	50
Operating Head	m		Number of poles		2
Impeller Diameter	Designed mm	95	Speed	1/min	

Test standard: ISO 9906:2012 - Grade3B

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

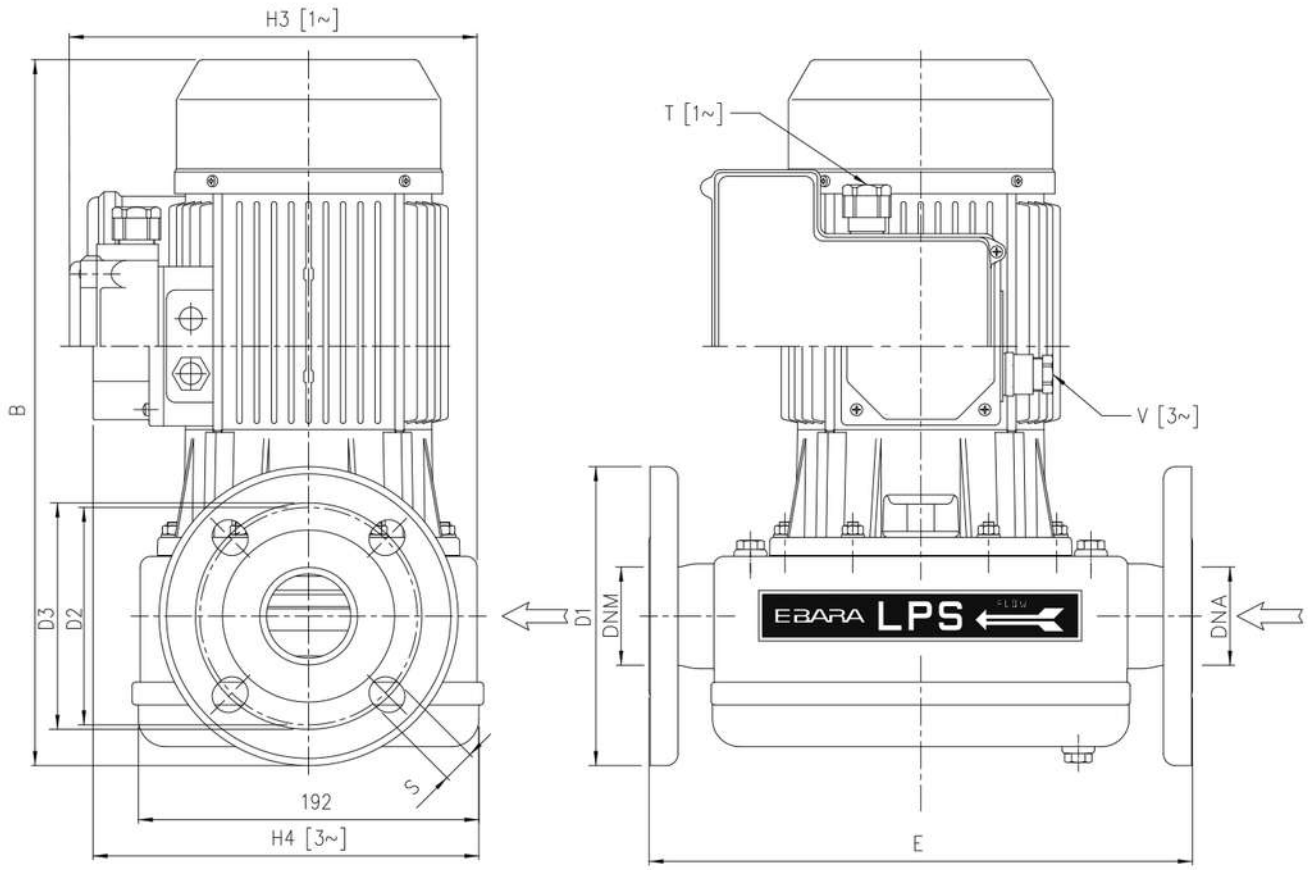


EBARA

Dimensions

Pump name LPS 50/40 M

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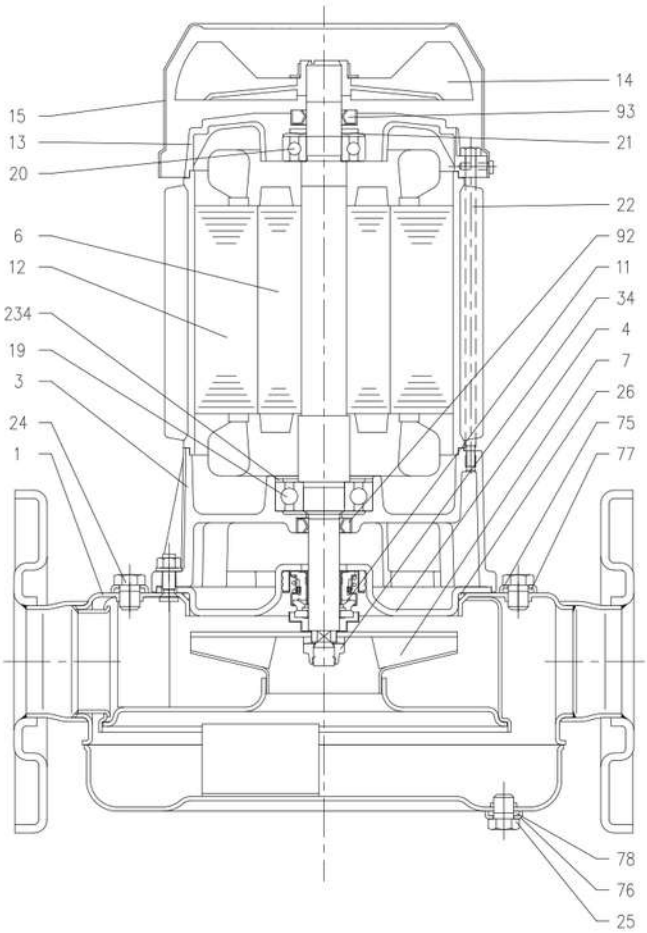
Dimensions in mm								
1	B	356.5						
2	D1	165						
3	D2	120						
4	D3	125						
5	DNA	50						
6	DNM	50						
7	E	310						
8	H3	206						
9	S	18						
10	T	PG 11						
11	Weight P&M	11.6 kg						

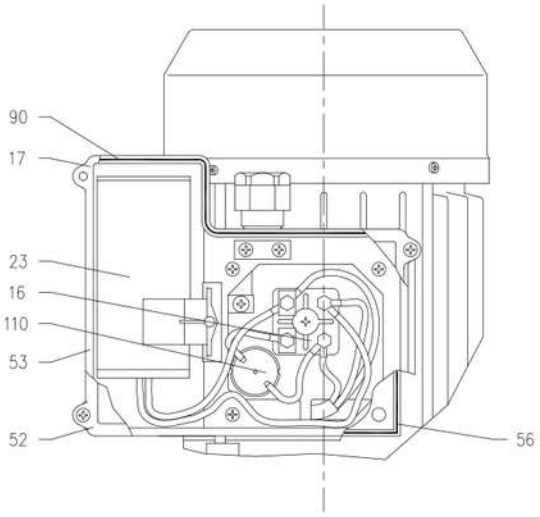
EBARA

(1/3)
Construction

Pump name LPS 50/40 M

Customer	Date 19-May-2020	Company
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EBARA

(2/3)
Construction

Pump name LPS 50/40 M

Customer	Date 19-May-2020	Company
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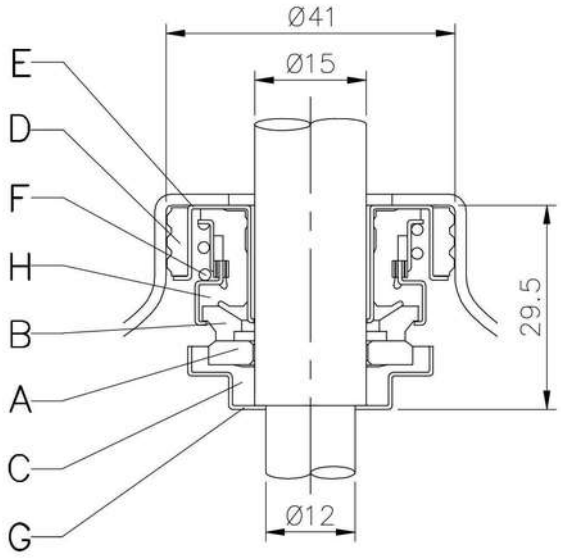
N°	PART NAME	MATERIAL	DIMENSION	STANDARD
1	Casing	AISI 304		
3	Motor bracket	Aluminium		
4	Casing cover	AISI 304		
6	Shaft with rotor	AISI 303 (Wet extension)		
7	Impeller	AISI 304		
11	Mechanical seal [4]	Carbon/Ceramic/NBRH		
12	Motor frame with stator	-		
13	Motor cover	Aluminium		
14	Fan	PA		
15	Fan cover	Fe P04 Galvanized		
16	Terminal board	-		
17	Terminal box cover [2]	Aluminium		
19	Pump side ball bearing	-		
20	Fan side ball bearing	-		
21	Adjusting ring	Steel C70		
22	Tie rod	Fe 420 Galvanized		
23	Capacitor [1]	-		
24	Priming plug	AISI 304	1/8" G	ISO 228/2
25	Drain plug	AISI 304	1/8" G	ISO 228/2
26	O-ring	NBR		
34	Impeller nut	AISI 304	M10x1.25	UNI 7474
52	Capacitor box [1]	ABS class V-0		
53	Capacitor box cover [1]	ABS class V-0		
56	Box gasket	NBR		
75	Washer	AISI 304		
76	Washer	AISI 304		
77	O-ring	NBR		
78	O-ring	NBR		
90	Terminal box cover gasket	NBR		
92	Lip seal	NBR		
93	Lip seal	NBR		
110	Protector [3]	-		
234	Seeger ring	Carbon steel		

[1] Only for single phase
[2] Only for three phase
[3] Only for version single phase: LPS 50/150M
[4] See **CONSTRUCTION 3**

(3/3)
Construction

Pump name LPS 50/40 M

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REF	PART NAME	MATERIAL
A	Rotary sealring	ceramic
B	Stationary sealring	carbon graphite
C	Cup Gasket	NBRH
D	Seatring	NBRH
E	Case	AISI304
F	Selfdriving spring	AISI304
G	Case	AISI304
H	Belbws	NBRH