

Technical data

Pump name LPS 32/40

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	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	LPS 32/40	Frequency	Hz 50
10	Design	IN LINE CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max. mm 124
12	Speed 1/min	2800		Designed mm 124
13	No. of Stage	1		Min. mm 124
14	Connection Suction side		Flow	Operating l/min
15	Connection Discharge side			Max- l/min 150
16	Max Working Pressure kPa	1000		Min- l/min 40
17	Shut-off head kPa	160.92	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 7.0
19	Shaft power kW			- (Qmin.) m 14.5
20			Max. Shaft Power at max. impeller	kW 0.41
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 32/40_230_Three Phase	Phases	3~
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 2.2
34	Degree of protection	IP 55		
35				

Remarks

Performance curve Pump name LPS 32/40

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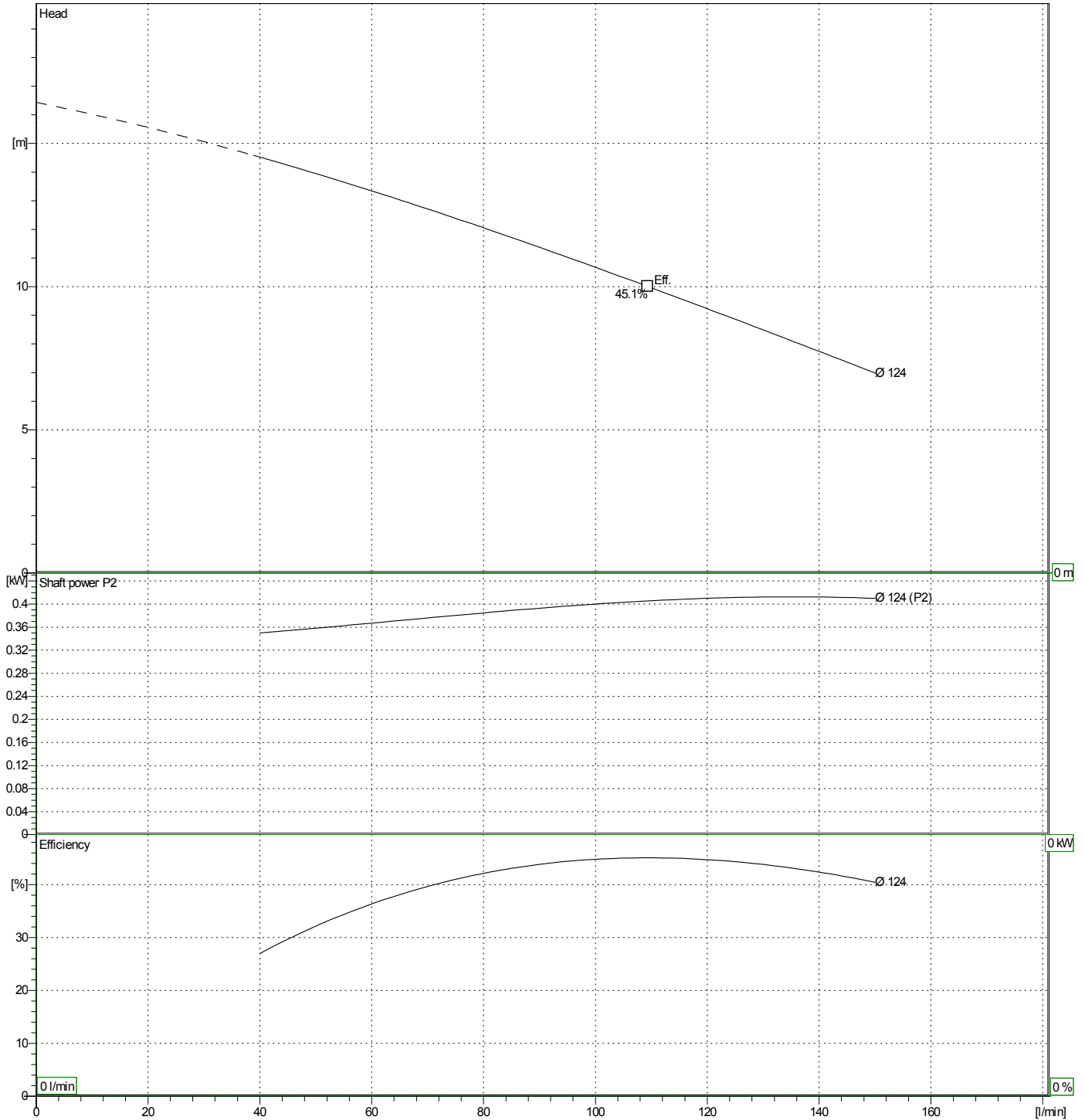
1	Flow	l/min	0
2	Head	m	0
3	Geodetic head	m	0

Pump

Operating Flow	l/min		Frequency	Hz	50
Operating Head	m		Number of poles		2
Impeller Diameter	Designed mm	124	Speed	1/min	

Test standard: ISO 9906:2012 - Grade3B

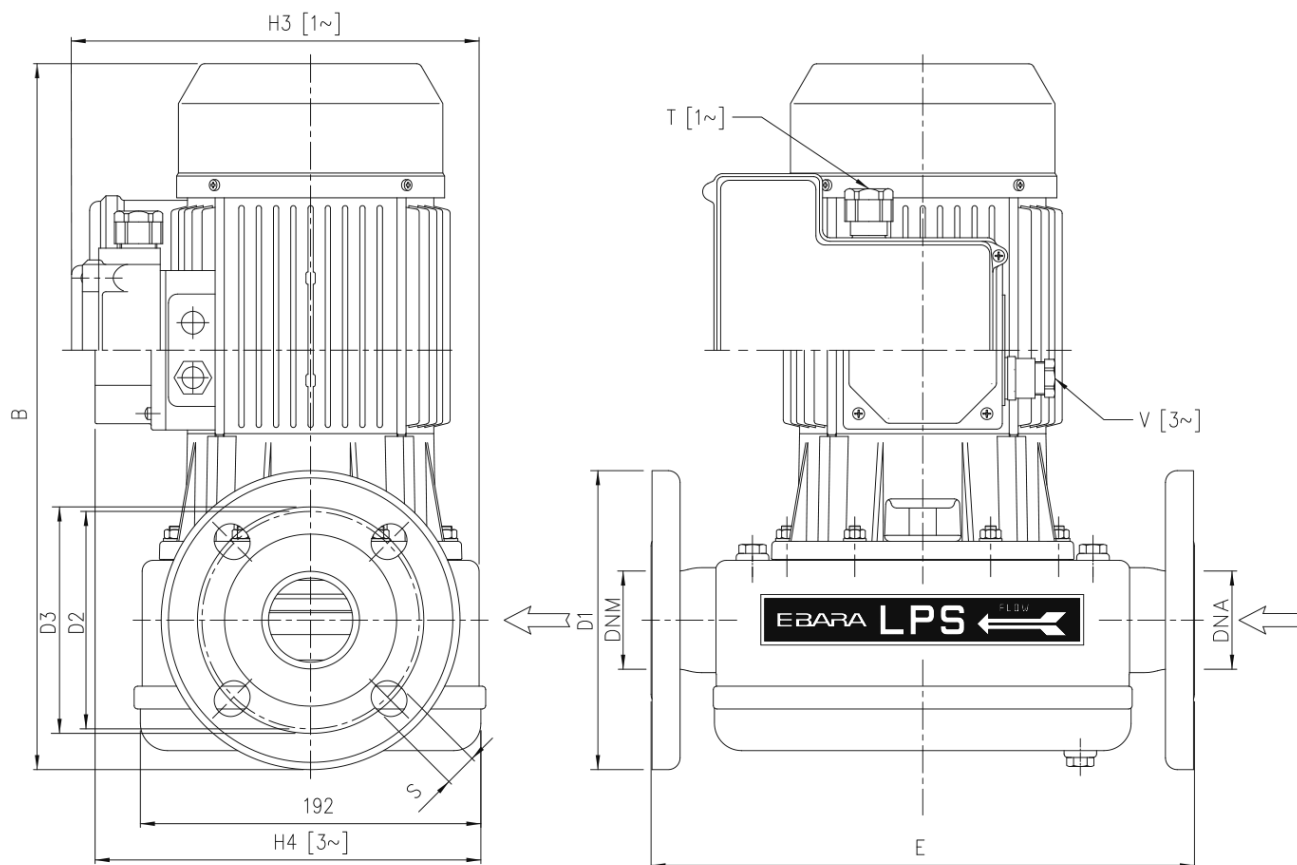
Water, clean [100%] ; 293K; 998.3kg/m³; 1mm²/s



Dimensions

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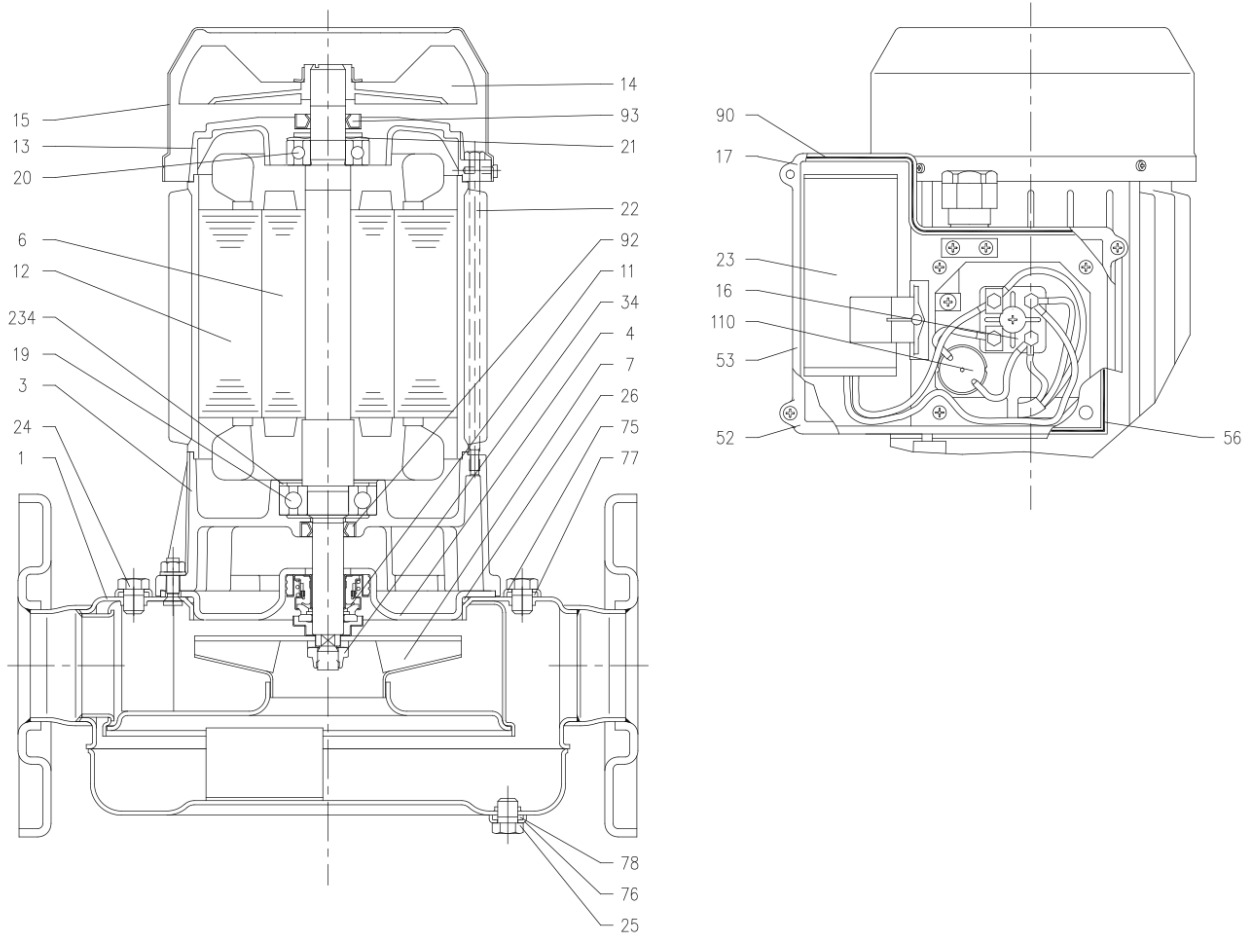


Dimensions in		mm					
1	B	341.5					
2	D1	140					
3	D2	100					
4	D3	100					
5	DNA	32					
6	DNM	32					
7	E	305					
8	H4	197.5					
9	S	18					
10	V	PG 11					
11	Weight P&M	10.8 kg					

(1/3) Construction

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(2/3)

Construction

Pump name LPS 32/40

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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 w ith rotor	AISI 303 (Wet extension)		
7	Impeller	AISI 304		
11	Mechanical seal [4]	Carbon/Ceramic/NBRH		
12	Motor frame w ith 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

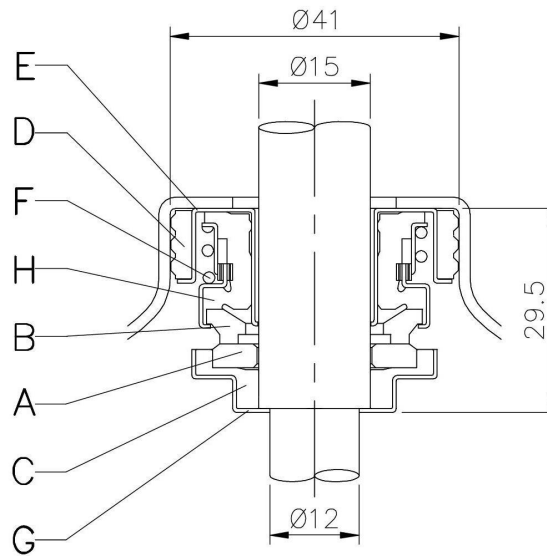
[3] Only for version single phase: LPS 50/150M

[4] See **CONSTRUCTION 3**

(3/3) Construction

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REF	PART NAME	MATERIAL
A	Rotary seal ring	ceramic
B	Stationary seal ring	carbon graphite
C	Cup Gasket	NBRH
D	Seal ring	NBRH
E	Case	AISI 304
F	Self-driving spring	AISI 304
G	Case	AISI 304
H	Bellows	NBRH