

Technical Data

Pump Name

MD 32-250/7.56 IE3

Customer	Date	2024-07-02	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-07-02 22:34:28	E-mail

Requested data

1	Pump type	CENTRIFUGAL PUMPS	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature °C	20
3	Flow m³/h		Kin. viscosity mm²/s	1.005
4	Head m		Vapour pressure bar	0.0234
5	Geodetic head m		PH value	
6	Inlet pressure (pin) bar	0	Density kg/m³	998.3
7	Available system NPSH		Solids Weight %	0
8	Ambient temperature °C	20		

Pump

9	Pump Name	MD 32-250/7.56 IE3	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 200
12	Speed rpm	3450		Designed mm 200
13	No. of Stage	1		Min. mm 200
14	Connection Suction side	DIN 2532	Flow	Operating m³/h
15	Connection Discharge side	DIN 2532		Max- m³/h 21
16	Max Working Pressure bar	10		Min- m³/h 6
17	Shut-off head bar	7.25	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 61.0
19	Shaft power kW			- (Qmin.) m 73.0
20			Max. Shaft Power at max. impeller kW	7.52
21	Required pump NPSH m		Efficiency %	

Materials

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

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_MD 32-250/7.56_460_Three Phase	Phases	3~
30	Specific design	IE3 / 60 Hz / Pole pairs 1	Frame size	
31	Rated power kW	7.5	Weight kg	
32	Number of poles	2	Electric voltage V	460
33	Speed rpm	3450	Electric current A	11.9
34	Degree of protection	IP 55		
35				

Remarks

Performance Curve

Pump Name

MD 32-250/7.56 IE3

Customer	Date	2024-07-02	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Project redenumit 2024-07-02 22:34:28	E-mail

Requested data

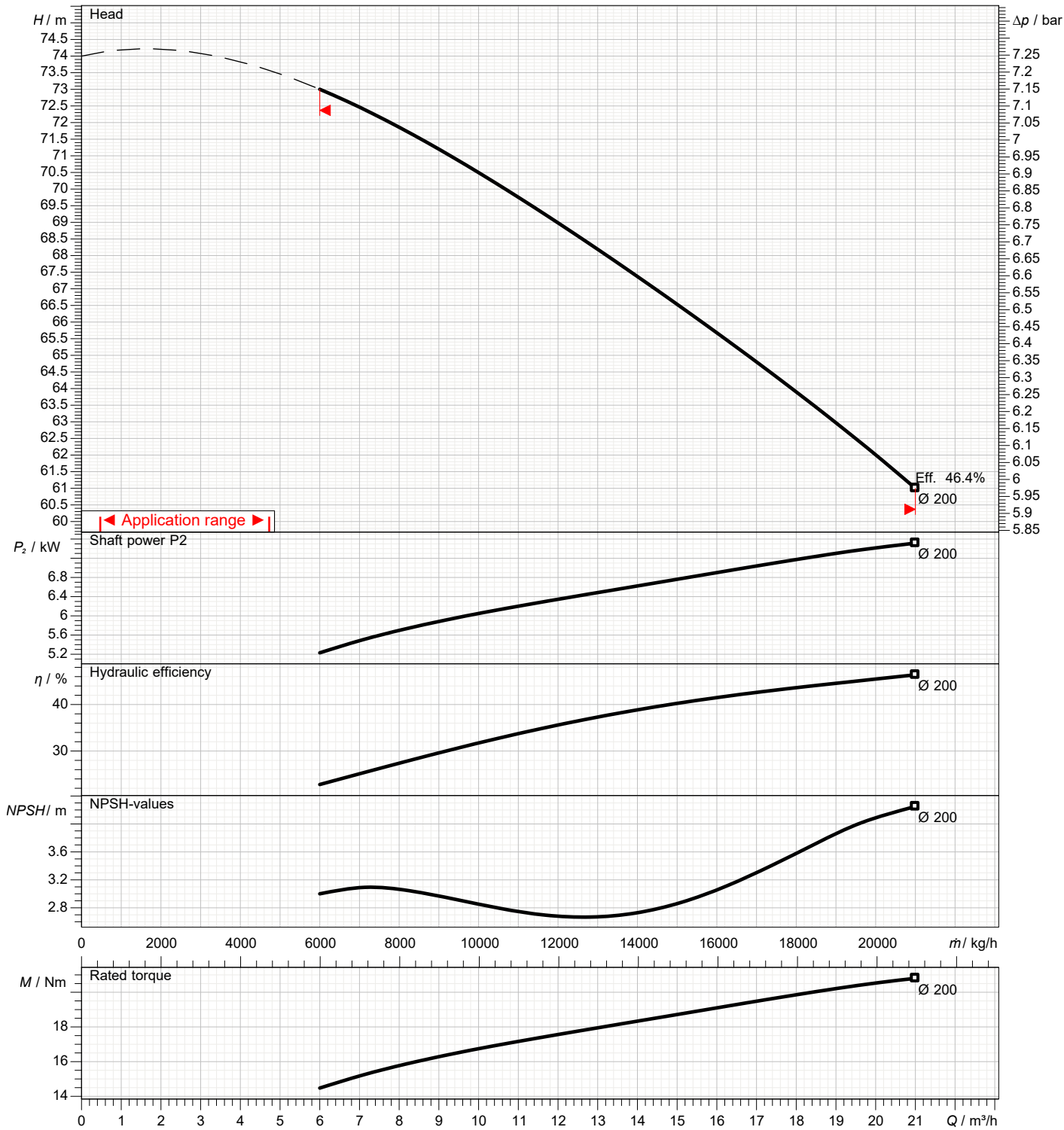
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	200	Speed	rpm	3450

Test standard: ISO 9906:2012 - Grade3B

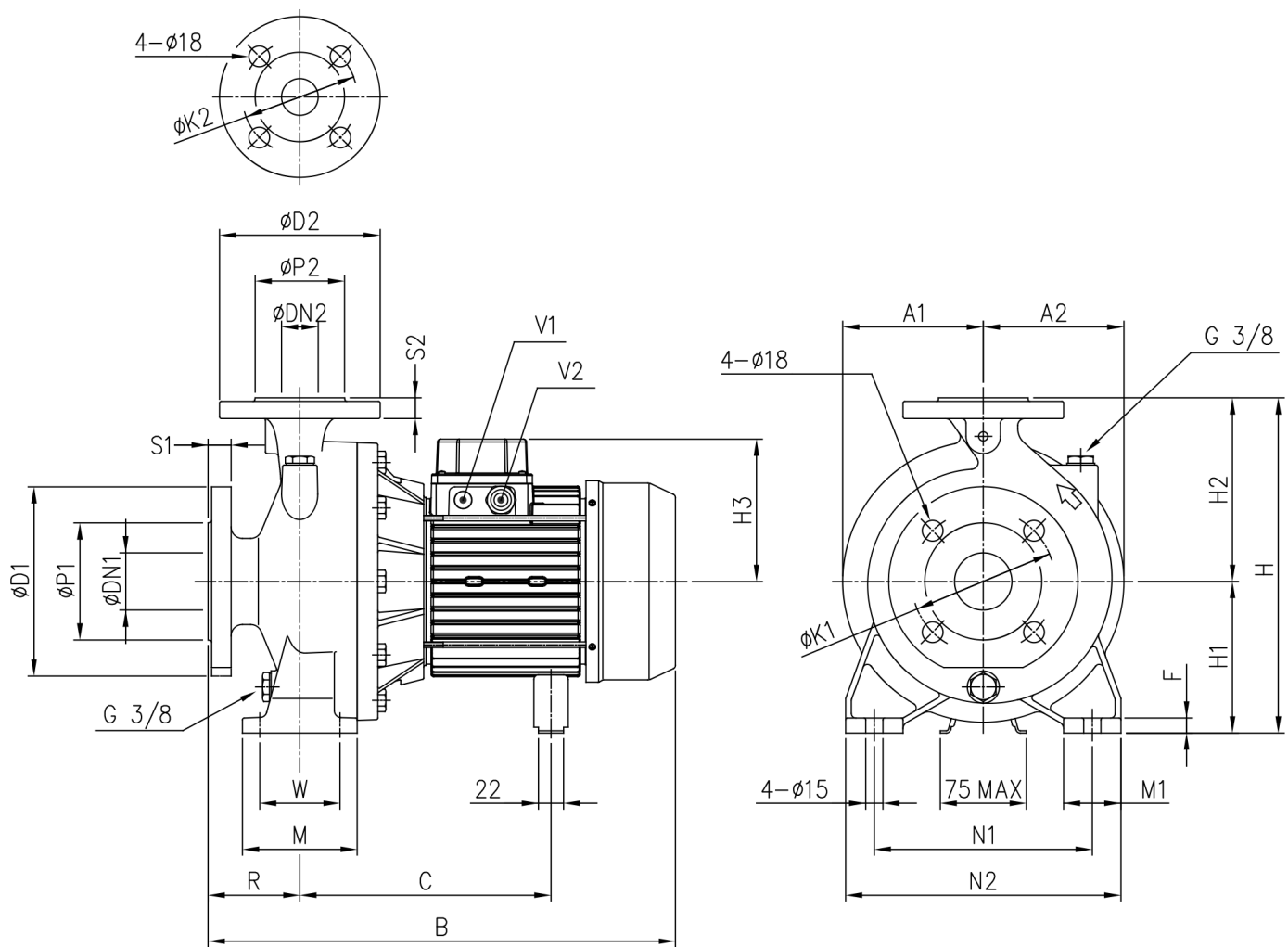
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

Pump Name MD 32-250/7.56 IE3

Customer	Date 2024-07-02	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID Project redenumit 2024-07-02 22:34:28	E-mail



Dimensions in mm									
1	A1	176	H2	225					
2	A2	176	H3	150					
3	B	559	M	125					
4	C	275	M1	65					
5	Dia D1	165	N1	250					
6	Dia D2	140	N2	320					
7	Dia DN1	50	R	100					
8	Dia DN2	32	S1	20					
9	Dia K1	125	S2	18					
10	Dia K2	100	V1	[PG 13].5					
11	Dia P1	102	V2	PG 16					
12	Dia P2	78	W	95					
13	F	15	Weight P&M	74,7 kg					
14	H	405							
15	H1	180							

(1/3)

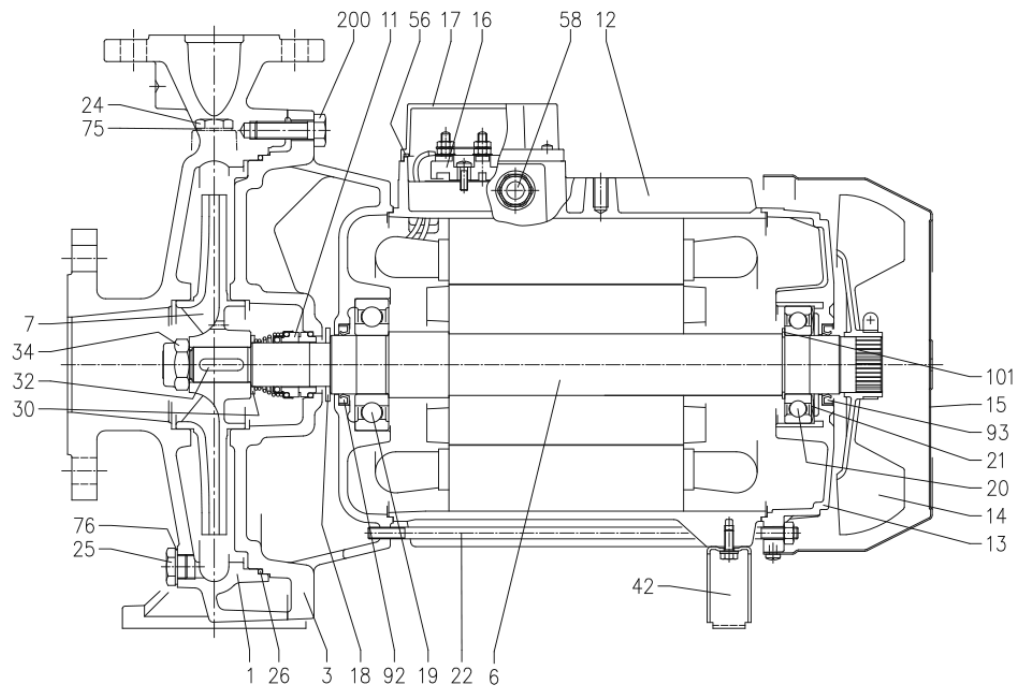
Construction

Pump Name

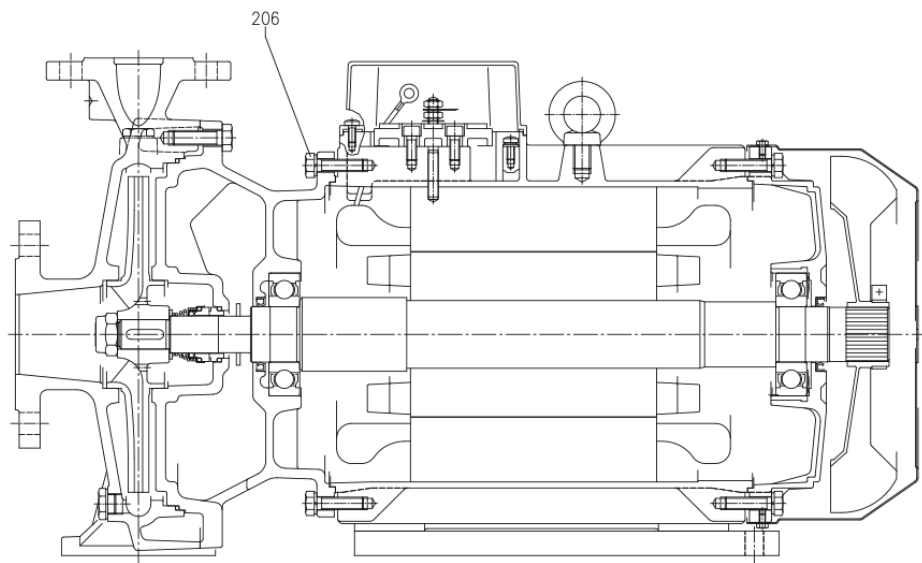
MD 32-250/7.56 IE3

Customer	Date2024-07-02	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project IDProject redenunit 2024-07-02 22:34:28	E-mail

UP TO 11 kW



15 kW AND ABOVE



(2/3)

Construction

Pump Name MD 32-250/7.56 IE3

Customer	Date 2024-07-02	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID Project redenumit 2024-07-02 22:34:28	E-mail

N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD	Q.TY
1	Casing	Cast iron EN-GJL-200-EN 1561			1
3	Motor bracket	Cast iron EN-GJL-200-EN 1561			1
6	Shaft with rotor	AISI 304 (Part in contact with liquid)			1
7	Impeller	Bronze			1
11	Mechanical seal [1]	Carbon/Ceramic/NBR			1
12	Motor frame with stator	-			1
13	Motor cover	Aluminium			1
14	Fan	PP			1
15	Fan cover	Fe P04 Zincate			1
16	Terminal box	-			1
17	Terminal box cover	Aluminium			1
18	Splash ring	NBR	40x21.5x3	EPE DRAWING	1
			50x29.5x3		
19	Pump side ball bearing	-			1
20	Fan side ball bearing	-			1
21	Adjusting ring	Steel C70			1
22	Tie rod Up to 11 kW	Fe 42 Zincate		EPE DRAWING	4
	Screw 15kW and above	Zn. steel 8.8 strenght class ISO 898/1		UNI 5739	
24	Priming plug	Brass		EPE DRAWING	1
25	Drain plug	Brass		EPE DRAWING	1
26	O-ring	NBR [2]	277x3.53	EPE DRAWING	1
30	Spacer	AISI 304	22.5x26.9x2.5 (up to 7.5kW)	EPE DRAWING	1
			30.5x40x2.5 (9.2 kW and above)		
32	Key	AISI 316	6x6x25 (up to 7.5kW)	UNI 6604	1
			8x7x30 (9.2 kW and above)		
34	Impeller nut	AISI 304	M16x1.5 (up to 7.5kW)	UNI 7474	1
			M20x1.5 (9.2 kW and above)		
42	Foot	Fe P04		EPE DRAWING	1
56	Box gasket	NBR			1
58	Cable entry	-			1
75	Washer	Aluminium	Ø 17 - G3/8		1
76	Washer	Aluminium	Ø 17 - G3/8		1
85*	Kit counterflange	Flange	Zincate steel	EPE DRAWING	2
		Screw for flange	AISI 304	UNI 5737	8
		Gasket	EPDM		2
92	Lip seal	-	30x47x7	DIN 3760 without spring	1
			40x55x7		
			45x60x7		
93	Lip seal	-	30x47x7	DIN 3760 without spring	1
			40x55x7		
			45x60x7		
101	Snap ring (only for 9.2-11 kW)	Carbon tool steels TC 80	Ø 40	UNI 7435	1
200	Screw	Zn. steel 8.8 strenght class ISO 898/1	M12x40	UNI 5739	12
206	Screw From 15kW and above	Zn. steel 8.8 strenght class ISO 898/1	M10x40	UNI 5739	4

[1] See CONSTRUCTION 3

[2] FPM for H-HS-HSW-HW version
EPDM for E version

* On request

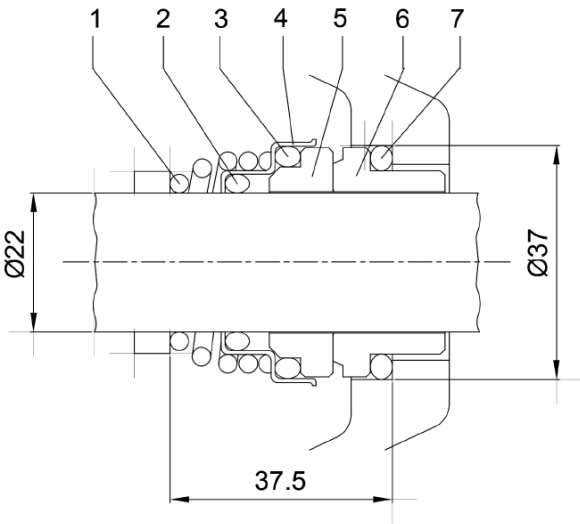
(3/3)

Construction

Pump Name

MD 32-250/7.56 IE3

Customer	Date2024-07-02	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project IDProject redenunit 2024-07-02 22:34:28	E-mail



REF	PART NAME	MATERIAL Standard version
1	Self driving spring	AISI 316
2	O Ring	NBR
3	Frame	AISI 304
4	O Ring	NBR
5	Rotary seal ring	ceramic
6	Stationary seal ring	carbon graphite
7	O Ring	NBR