

ESHE 65-200/185/P25VSNA

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

1	Pumpe type	Single head pump	Fluid	Water, pure
2	No. of pumps	1	Operating temperature t A	°C 4
3	Nominal flow	m³/h 0	Max / Min Operating Temperature mech. Seal	°C 120 / -10
4	Nominal head	m 0	pH-value at t A	7
5	Static head	m 0	Density at t A	kg/m³ 1000
6	Inlet pressure	kPa 0	Kin. viscosity at t A	mm²/s 1.569
7	Environmental temperature	°C 20	Vapor pressure at t A	kPa 100
8	Available system NPSH	m 0	Altitude	0

Pump data

9	Lubrication	Standard, Grease lubrication [Std]		
10	Execution			
11	Design	Horizontal		
12	Operating speed	2940 rpm	Stages	1
13	Suction nozzle	DN 80 /	PN 16 /	EN1092-1
14	Discharge nozzle	DN 65 /	PN 16 /	EN1092-1
15	Max. casing pressure	kPa 1200	Impeller Ø	Max. mm 210
16	Max. working pressure	kPa 612.1		designed mm 203
17	Impeller type	Radial impeller		Min. mm 192
18	Head H(Q=0)	m 62	Flow	Nominal m³/h
19	Max. shaft power	kW 19.2		Max- m³/h 123.7
20	Pump weight	kg		Min- m³/h 52
21	Total weight	kg 141.0	Head	Nominal m
				at Qmax m 35.7
				at Qmin m 58.5
			Shaft power	kW
			Efficiency	%
			NPSH 3%	m

Materials

22	Pump		Shaft Seal	
23	Pump body	Stainless steel / AISI 316L	Single mechanical seal, without shaft sleeve	
24	Impeller	Stainless steel / ASTMCF8M	Uniten 3K	VBVGG
25	SEAL HOUSING	Stainless steel / AISI 316L	Mechanical seal diameter	28 mm
26	Wear ring	Stainless steel / AISI 316L	1. Rotating ring	Ceramic
27	Counterwear ring	Stainless steel / AISI 316L	2. Stationary ring	Carbon graphite resin impregnated
28	Shaft extension	Stainless steel / AISI 316L	3. Secondary seal	Fluorine rubber (FKM)
29	Rigid shaft coupling	Stainless steel / AISI 316	4. Springs	CrNiMo - Steel
30	Impeller locknut and washer	Stainless steel / AISI 316	5. Others	CrNiMo - Steel
31	Tab	Stainless steel / AISI 316L	Gaskets of the pump	Fluorine rubber (FKM)
32	Fill/drain plugs	Stainless steel / AISI 316		
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Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara PLM		
43	Specific design	IE3 3ph Flange Motor		
44	Type	PLM 160 B34 18,5 kW		
45	Rated power	18.5 kW	Rated current	32.7 A
46	Nominal speed	2940 rpm	Rated voltage	400 V
47	Frame size	160	Service factor	1
48	Weight	kg 112.5	Degree of protection	IP55

Remarks

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Project	Xylect-20106422	Created by		Last update	12/16/2024
Block	ESHE 65-200/220/P25VSNA	Created on	12/16/2024		

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Performance curve

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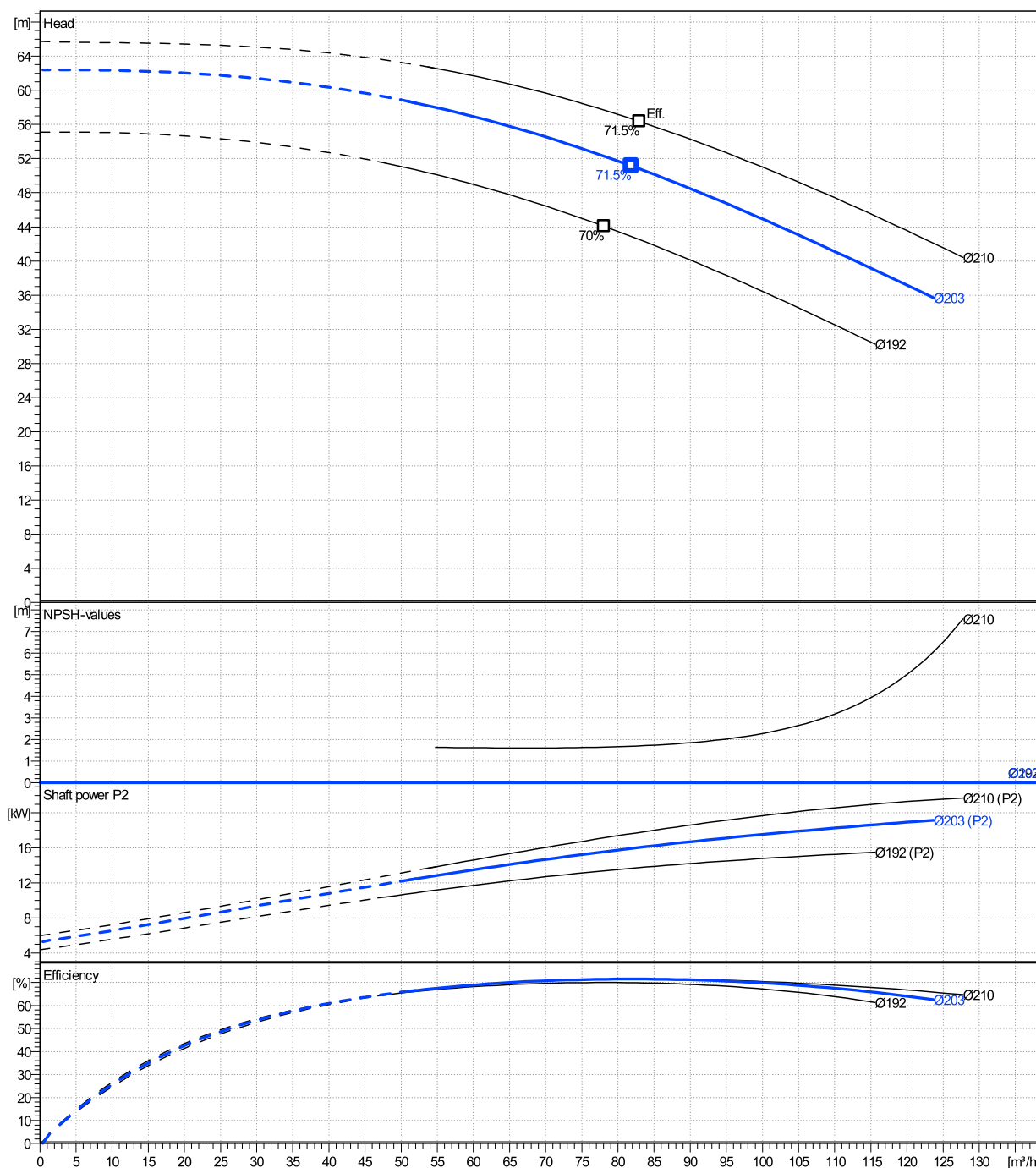
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm		
actual	203	52	124	81.8	62.4	51.2		19.2	15.9			50
Min.	0	/	/	78.1	55.1	44.1		/	13.4			2940
Max.	210	/	/	83	65.7	56.3		/	17.8			0
										Nominal flow	m³/h	0
										Nominal head	m	0
										Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



ESHE 65-200/185/P25VSNA

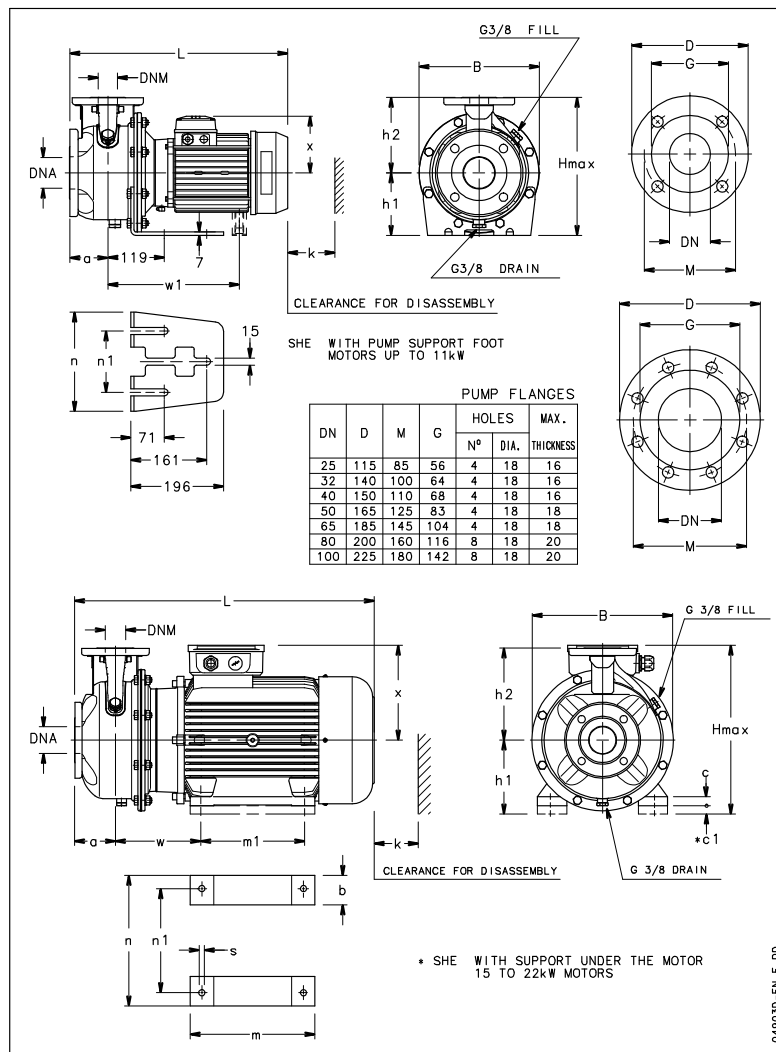
Dimensions

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Close coupled

PLM 160 B34 18,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions		[mm]	
a	100		
B	310		
b	49		
c	5		
DNA	80		
DNM	65		
h1	180		
h2	225		
Hmax	420		
k	130		
L	694		
m	304		
m1	254		
n	304		
n1	254		
s	15		
w	208		
x	240		

Weight	
Total weight	141 kg

Connections	
Suction nozzle	Discharge nozzle
DN 80	DN 65
PN 16	PN 16
EN1092-1	EN1092-1
D 200	D 185
Dia. Holes 18	Dia. Holes 18
DN 80	DN 65
G 114	G 104
M 160	M 145
Max thickness 20	Max thickness 18

Dimensions and weight without obligation

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