

ESHS 25-250/55/P25VSSA

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		Impeller Ø	Max.	mm 244
12	Operating speed	2900 rpm	Stages 1		designed	mm 203
13	Suction nozzle	DN 50 /	PN 16 /		Min.	mm 203
14	Discharge nozzle	DN 25 /	PN 16 /	Flow	Nominal	m³/h
15	Max. casing pressure	kPa	1200		Max-	m³/h 23.9
16	Max. working pressure	kPa	519.6		Min-	m³/h 6.8
17	Impeller type	Radial impeller		Head	Nominal	m
18	Head H(Q=0)	m	53		at Qmax	m 38.7
19	Max. shaft power	kW	5.1		at Qmin	m 51.6
20	Pump weight	kg		Shaft power	kW	
21	Total weight	kg	77.0	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 / AISI 316L		Uniten 3K	VBVGG	
25	SEAL HOUSING	Stainless steel / AISI 316L		Mechanical seal diameter	22 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	Rigid shaft coupling	Stainless steel / AISI 316L		3. Secondary seal	Fluorine rubber (FKM)	
29	Impeller locknut and washer	Stainless steel / AISI 316		4. Springs	CrNiMo - Steel	
30	Tab	Stainless steel / AISI 316L		5. Others	CrNiMo - Steel	
31	Fill/drain plugs	Stainless steel / AISI 316		Gaskets of the pump	Fluorine rubber (FKM)	
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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 - Premium Efficiency		
44	Type	PLM 132R B5 5,5 kW		
45	Rated power	5.5 kW	Rated current	10.4 A
46	Nominal speed	2880 rpm	Rated voltage	400 V
47	Frame size	132R	Service factor	1
48	Weight	kg 37.6	Degree of protection	IP55

Remarks

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Project	Xylect-20117698	Created by		Last update	12/18/2024
Block	ESHS 25-250/110/P25VSSA	Created on	12/18/2024		

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Performance curve

Company name
Contact
Phone number
e-mail address

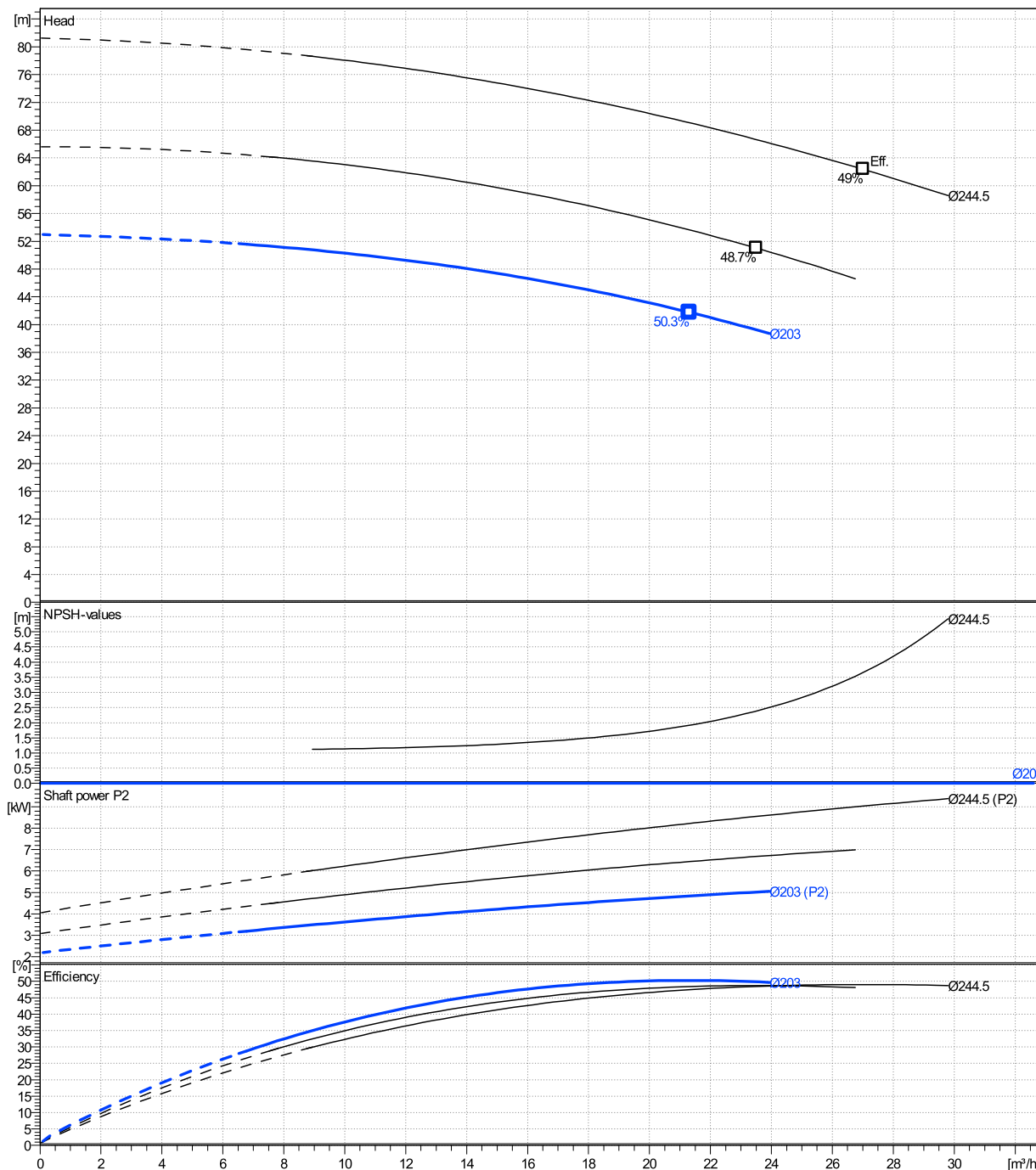
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm		
actual	203	6.78	23.9	21.3	53	41.8		5.05	4.84			2900
Min.	0	/	/	21.3	53	41.8		/	4.84			0
Max.	244	/	/	27	81.2	62.4		/	9.03			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



Dimensions		[mm	
a	100		
B	345		
DNA	50		
DNM	25		
f	192		
h1	180		
h2	225		
Hmax	405		
k	98		
L	667		
n	265		
n1	130		
w1	399		
x	168		
Weight			
Total weight		77 kg	
Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 25	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	165	D	115
Dia. Holes	18	Dia. Holes	18
DN	50	DN	25
G	83	G	56
M	125	M	85
Max thickness	165	Max thickness	165