

ESHS 65-200/30/P45RSNA

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	m ³ /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/m ³	1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm ² /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 219
12	Operating speed	1450 rpm	Stages 1		designed	mm 219
13	Suction nozzle	DN 80 /	PN 16 /	Flow	Min.	mm 187
14	Discharge nozzle	DN 65 /	PN 16 /		Nominal	m ³ /h
15	Max. casing pressure	kPa	1200	Head	Max-	m ³ /h 72
16	Max. working pressure	kPa	171.2		Min-	m ³ /h 27
17	Impeller type	Radial impeller		Shaft power	Nominal	m
18	Head H(Q=0)	m	17		at Qmax	m 9
19	Max. shaft power	kW	3	Efficiency	at Qmin	m 16.3
20	Pump weight	kg				%
21	Total weight	kg	72.0	NPSH 3%	m	

Materials			
Pump		Shaft Seal	
23	Pump body	Stainless steel / AISI 316L	
24	Impeller	Stainless steel / ASTMCF8M	
25	SEAL HOUSING	Stainless steel / AISI 316L	
26	Wear ring	Stainless steel / AISI 316L	
27	Counterwear ring	Stainless steel / AISI 316L	
28	Rigid shaft coupling	Stainless steel / AISI 316L	
29	Impeller locknut and washer	Stainless steel / AISI 316	
30	Tab	Stainless steel / AISI 316L	
31	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 - Premium Efficiency	
44	Type	PLM 100 B5 3 kW	
45	Rated power	3 kW	Rated current 6.62 A
46	Nominal speed	1450 rpm	Rated voltage 400 V
47	Frame size	100	Service factor 1
48	Weight	kg 35.4	Degree of protection IP55

Remarks	
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Performance curve

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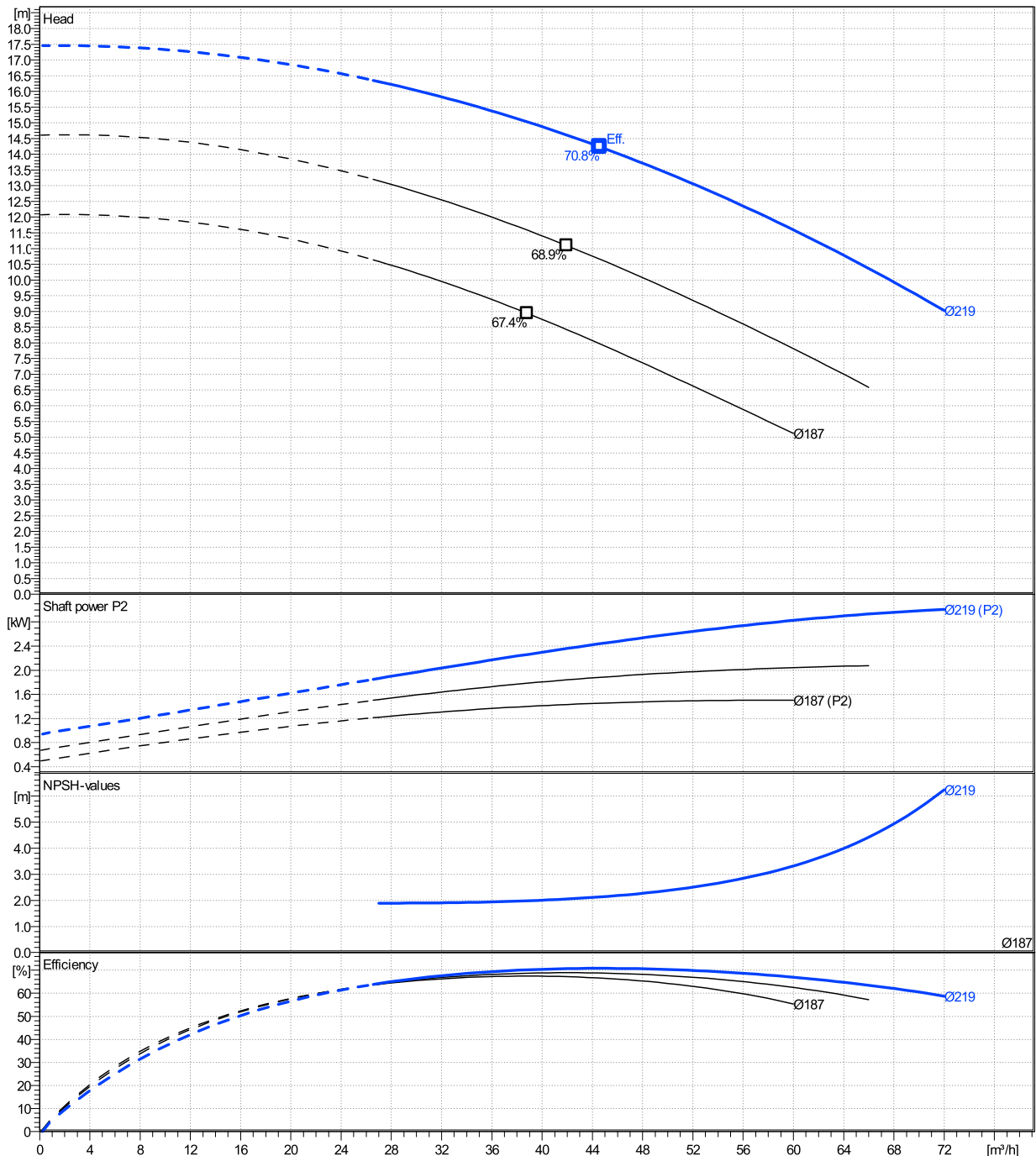
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	1450		
actual	219	27	72	44.6	17.5	14.2		3.01	2.44	Nominal flow	m³/h	0	
Min.	0	/	/	38.8	12.1	8.94		/	1.4	Nominal head	m	0	
Max.	219	/	/	44.6	17.5	14.2		/	2.44	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



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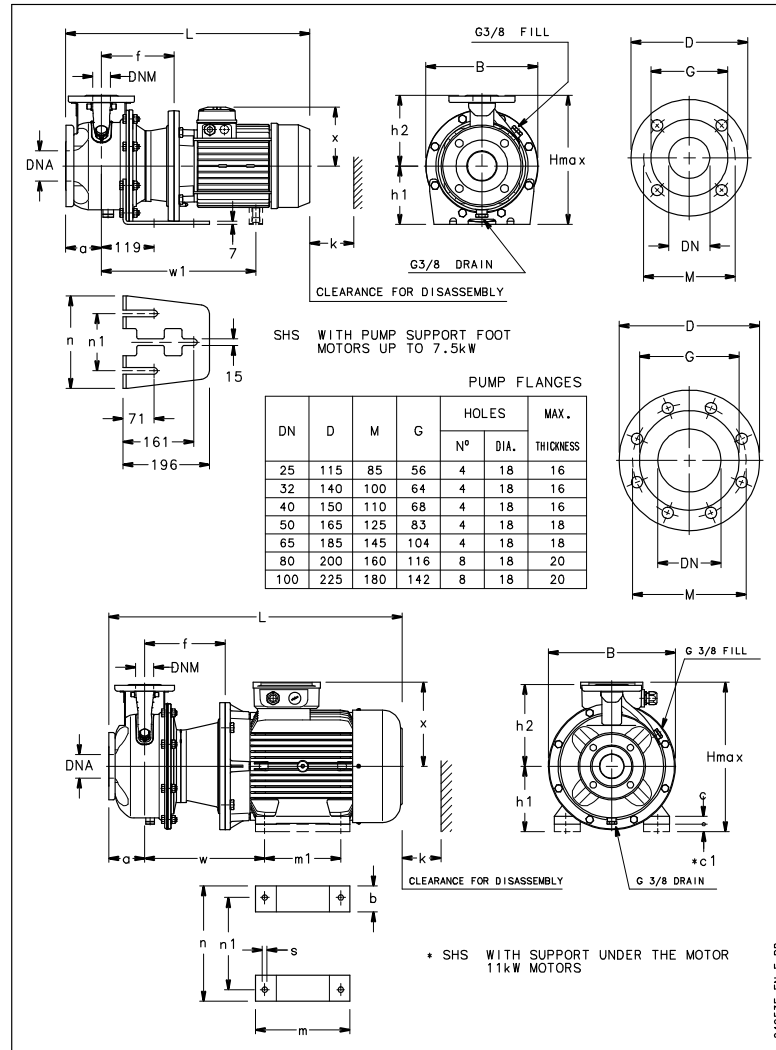
Dimensions

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Rigid coupling

PLM 100 B5 3 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

a	100
B	310
DNA	80
DNM	65
f	165
h1	180
h2	225
Hmax	405
k	130
L	618
n	245
n1	130
x	168

Weight

Total weight	72 kg
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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

Project	Xylect-20117698	Created by		Last update	12/18/2024
Block	ESHS 65-200/220/P25VSN A	Created on	12/18/2024		