

# ESHE 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 <sup>3</sup> /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 <sup>3</sup>	1000
6	Inlet pressure	kPa	0	Kin. viscosity at t A	mm <sup>2</sup> /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	/	EN1092-1	Min.	mm	187	
14	Discharge nozzle	DN 65	/	PN 16	/	EN1092-1	Flow	Nominal	m <sup>3</sup> /h	
15	Max. casing pressure	kPa	1200		Max-	m <sup>3</sup> /h		72		
16	Max. working pressure	kPa	171.2		Min-	m <sup>3</sup> /h	27			
17	Impeller type	Radial impeller		Head	Nominal	m				
18	Head H(Q=0)	m	17		at Qmax	m	9			
19	Max. shaft power	kW	3		at Qmin	m	16.3			
20	Pump weight	kg			Shaft power	kW				
21	Total weight	kg	64.0		Efficiency	%				
					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	Shaft extension	Stainless steel / AISI 316L	
29	Rigid shaft coupling	Stainless steel / AISI 316	
30	Impeller locknut and washer	Stainless steel / AISI 316	
31	Tab	Stainless steel / AISI 316L	
32	Fill/drain plugs	Stainless steel / AISI 316	
33			
34			
35			
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		Single mechanical seal, without shaft sleeve	
		Uniten 3K	VBVGG
		Mechanical seal diameter	28 mm
		1. Rotating ring	Ceramic
		2. Stationary ring	Carbon graphite resin impregnated
		3. Secondary seal	Fluorine rubber (FKM)
		4. Springs	CrNiMo - Steel
		5. Others	CrNiMo - Steel
		Gaskets of the pump	Fluorine rubber (FKM)

Motor data					
Electrical and dimensional data refer to IE3 motor					
42	Manufacturer	Lowara PLM			
43	Specific design	IE3 3ph Flange Motor			
44	Type	PLM 100 B14 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	32.0	Degree of protection	IP55

Remarks	
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## Performance curve

Company name  
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e-mail address

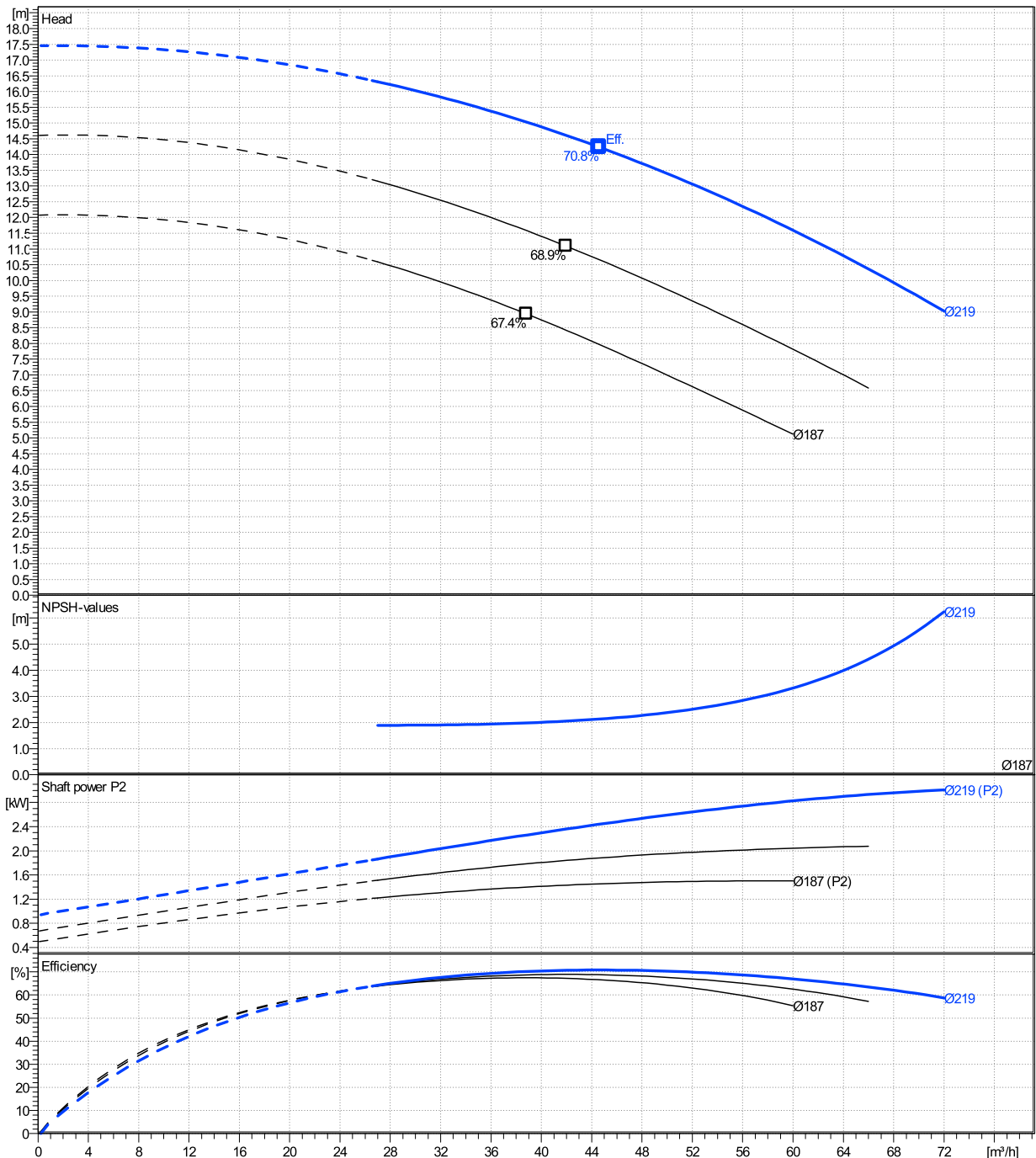
	Ø mm	Pump capacity η			Pump head η		Shaft power P2 η			Frequency	Hz	50
		Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	Max. m	P2(Q=0) kW	Max. kW	Max. kW	Operating speed	rpm	1450
actual	219	27	72	44.6	17.5	14.2		3.01	2.44	Nominal flow	m³/h	0
Min.	0	/	/	38.8	12.1	8.94		/	1.4	Nominal head	m	0
Max.	219	/	/	44.6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



**ESHE 65-200/30/P45RSNA**

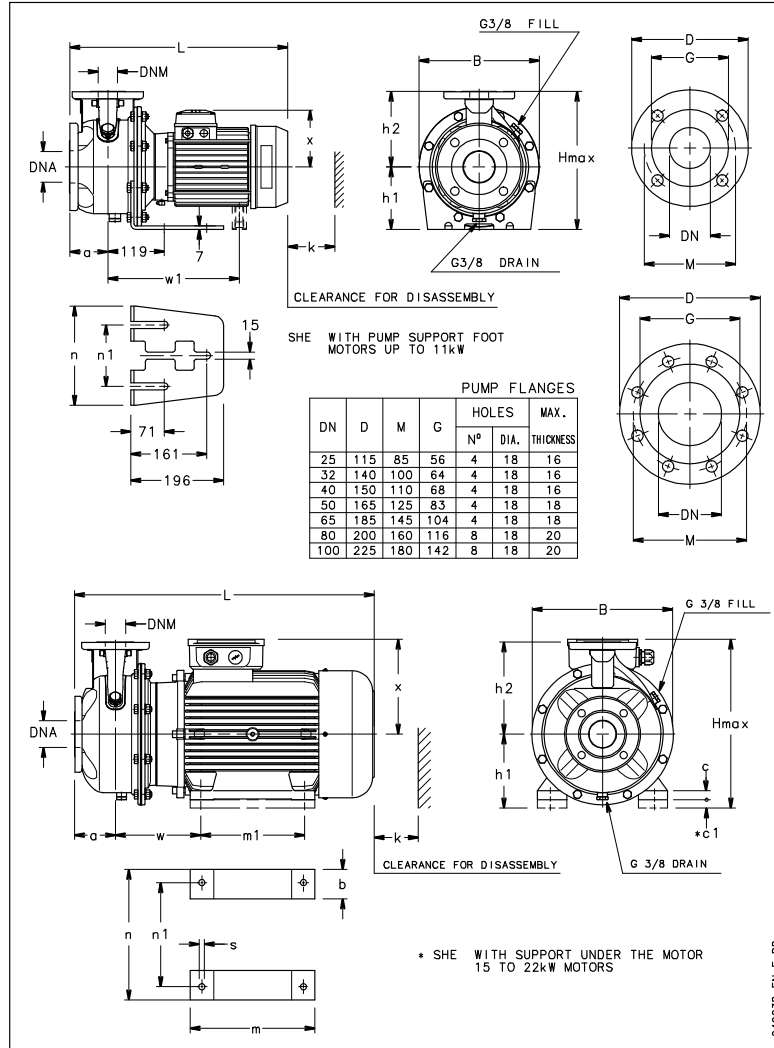
**Dimensions**

Company name  
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Close coupled

PLM 100 B14 3 kW

Electrical and dimensional data refer to IE3 motor



**Dimensions [ mm ]**

a	100
B	310
DNA	80
DNM	65
h1	180
h2	225
Hmax	405
k	130
L	553
n	245
n1	130
x	168

**Weight**

<b>Total weight</b>	<b>64 kg</b>
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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	Xlect-20106422	Created by		Last update	12/16/2024
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