LOWARA
a xylem brand

ESHF 40-200/55/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	Unit with standard coupling		Impeller Ø	Max.	mm	209
11	Design	Horizontal			designed	mm	190
12	Operating speed	2900 rpm	Stages 1		Min.	mm	190
13	Suction nozzle	DN 65 / PN 16 / EN1092-1		Flow	Nominal	m³/h	
14	Discharge nozzle	DN 40 / PN 16 / EN1092-1			Max-	m³/h	48
15	Max. casing pressure	kPa	1200		Min-	m³/h	18
16	Max. working pressure	kPa	481.6	Head	Nominal	m	
17	Impeller type		Radial impeller		at Qmax	m	25
18	Head H(Q=0)	m	49		at Qmin	m	46.3
19	Max. shaft power	kW	5.7	Shaft power		kW	
20	Pump weight	kg		Efficiency		%	
21	Total weight	kg	123.0	NPSH 3%		m	

Materials

	Pump		Shaft Seal	
22				
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	Shaft extension	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			
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency			
44	Type	PLM 132 B3 5,5 kW			
45	Rated power	5.5 kW	Rated current	10.4 A	
46	Nominal speed	2925 rpm	Rated voltage	400 V	
47	Frame size	132	Service factor	1	
48	Weight kg	57.0	Degree of protection	IP55	

Coupling

Manufacturer	Not applicable		
Series	Not applicable		
Shaft diameter	Pump 0 mm	Motor	38 mm
Frame size	Not applicable		
Spacer length mm	Not applicable		
Weight kg			
Coupling protection	Not applicable		

Base plate

49	Name	Not applicable	
50	Weight kg		

Remarks

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Performance curve

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Phone number
e-mail address

	Ø	Pump capacity Operating range Min.	Max.	η Max.	Pump head H(Q=0)	η Max.	Shaft power P2 P2(Q=0)	Max.	η Max.
	mm	m³/h	m³/h	m³/h	m	m	kW	kW	kW
actual	190	18	48	34.4	49.1	37.4		5.66	5.26
Min.	0	/	/	34.4	49.1	37.4		/	5.26
Max.	209	/	/	37.6	59.2	44.6		/	7.03

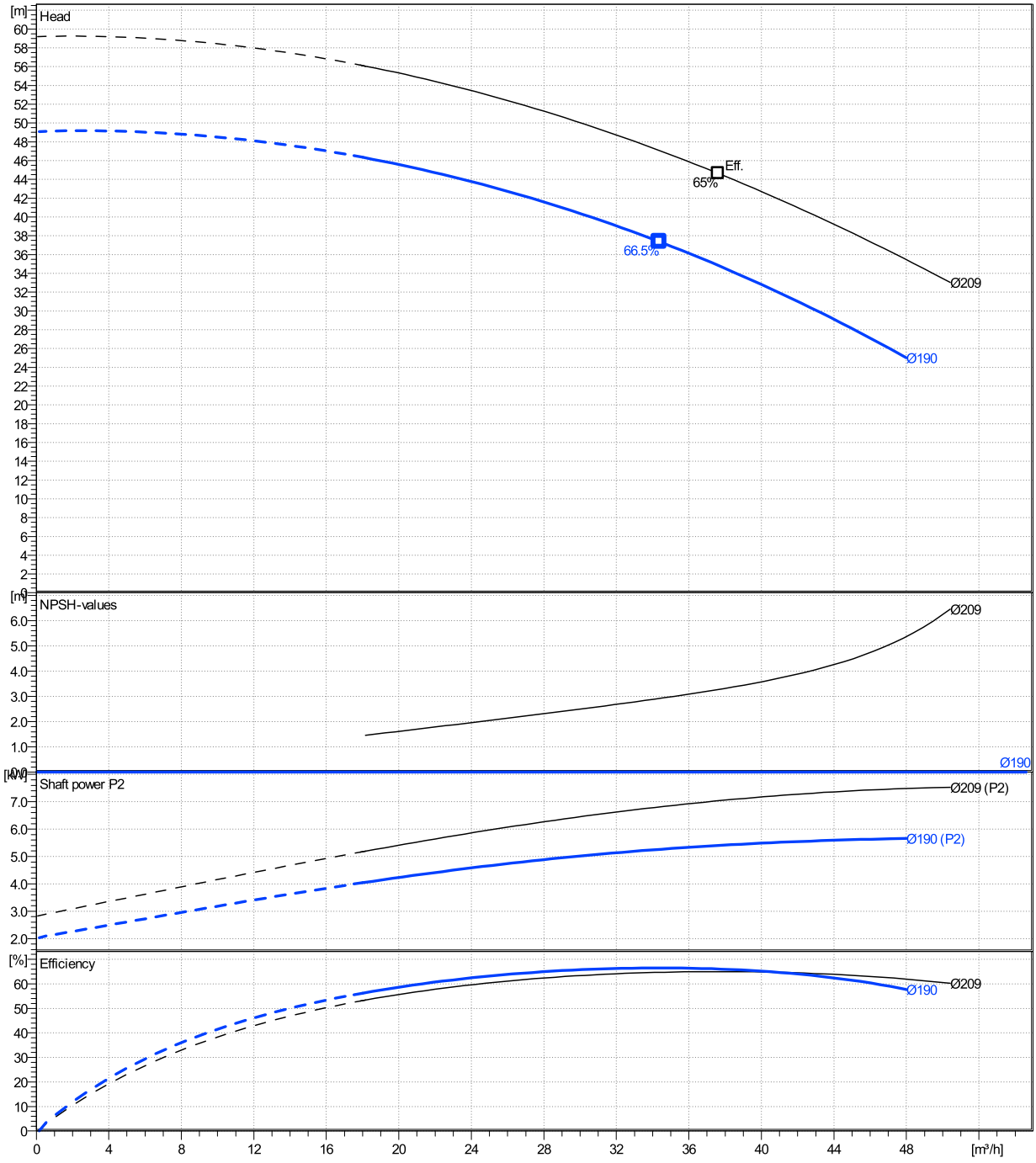
Frequency	Hz	50
Operating speed	rpm	2900
Nominal flow	m³/h	0
Nominal head	m	0
Inlet pressure	kPa	0
Static head	m	0

Power datas refered to:

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

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

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



Project	Xylect-20123150		Created by		Last update 12/19/2024
Block	ESHF 40-200/75/P25VSSA		Created on	12/19/2024	

Program version: 75.0 - 06/11/2024 (Build 274)
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User group(s): Xylem:United Kingdom - EXT

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ESHF 40-200/55/P25VSSA

Dimensions

Company name
Contact
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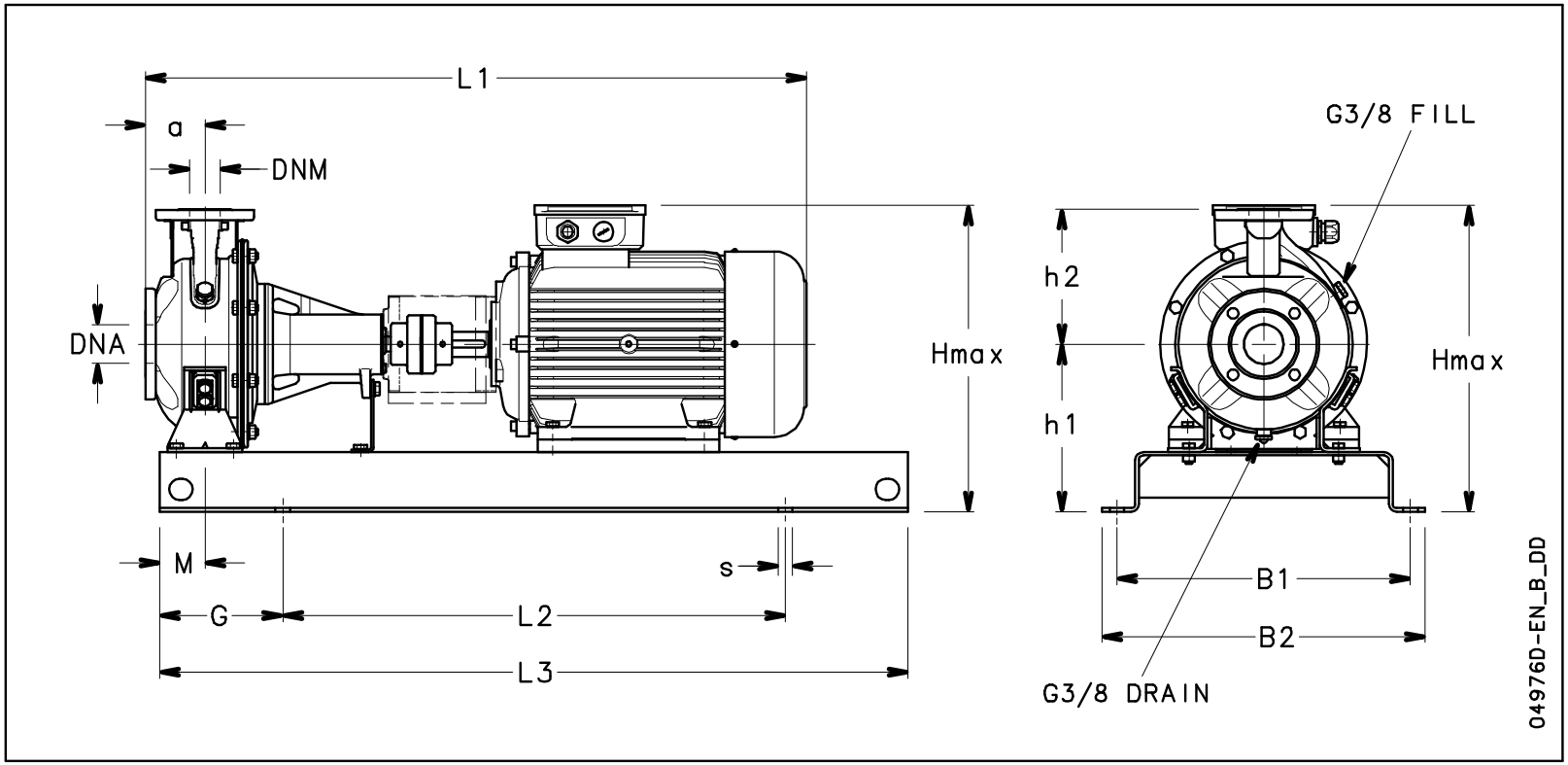
Frame mounted
Unit with standard coupling
PLM 132 B3 5,5 kW



Electrical and dimensional data refer to IE3 motor

Dimensions [mm]

a	100
B1	400
B2	450
Coupling Type	G1
DNA	65
DNM	40
G	170
h1	260
h2	180
Hmax	451
L1	910
L2	660
L3	1000
M	60
Sscrews	M20

Weight

Total weight	**123 kg**

Connections

Suction nozzle		**Discharge nozzle**	
DN 65		**DN 40**	
PN 16		**PN 16**	
EN1092-1		**EN1092-1**	
D	185	D	150
Dia. Holes	18	Dia. Holes	18
DN	65	DN	40
G	104	G	68
M	145	M	110
Max thickness	18	Max thickness	16

Dimensions and weight without obligation

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