

ESHE 50-250/185/P26PSSA

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	°F	39.2
3	Nominal flow	US g.p.m.	0	Max / Min Operating Temperature mech. Seal	°F	120 / -10
4	Nominal head	ft	0	pH-value at t A		7
5	Static head	ft	0	Density at t A	lb/ft ³	62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft ² /s	1.689E-5
7	Environmental temperature	°F	68	Vapor pressure at t A	psi	14.5
8	Available system NPSH	ft	0	Altitude		0

Pump data									
9	Lubrication	Standard, Grease lubrication [Std]							
10	Execution								
11	Design	Horizontal		Impeller Ø	Max.	inch	8 3/8		
12	Operating speed	3540 rpm	Stages		1	designed	inch	7 7/8	
13	Suction nozzle	DN 65	/	PN 16	/	EN1092-1	Min.	inch	7 7/16
14	Discharge nozzle	DN 50	/	PN 16	/	EN1092-1	Flow		Nominal US g.p.m.
15	Max. casing pressure	psi	174		Flow	Max-	US g.p.m.	369.6	
16	Max. working pressure	psi	113.5			Min-	US g.p.m.	160.3	
17	Impeller type	Radial impeller		Head	Nominal	ft			
18	Head H(Q=0)	ft	260		at Qmax	ft	154.4		
19	Max. shaft power	hp	24.4		at Qmin	ft	251.1		
20	Pump weight	kg			Shaft power	hp			
21	Total weight	lb	317.5		Efficiency	%			
					NPSH 3%	ft			

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
25	SEAL HOUSING	Stainless steel / AISI 316L	Mechanical seal diameter
26	Wear ring	Stainless steel / AISI 316L	1. Rotating ring
27	Counterwear ring	Stainless steel / AISI 316L	2. Stationary ring
28	Shaft extension	Stainless steel / AISI 316L	3. Secondary seal
29	Rigid shaft coupling	Stainless steel / AISI 316	4. Springs
30	Impeller locknut and washer	Stainless steel / AISI 316	5. Others
31	Tab	Stainless steel / AISI 316L	Gaskets of the pump
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	24.809 hp	Rated current
46	Nominal speed	3540 rpm	Rated voltage
47	Frame size	160	Service factor
48	Weight	lb 257.9	Degree of protection

Remarks			
49			
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52			

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Performance curve

Company name
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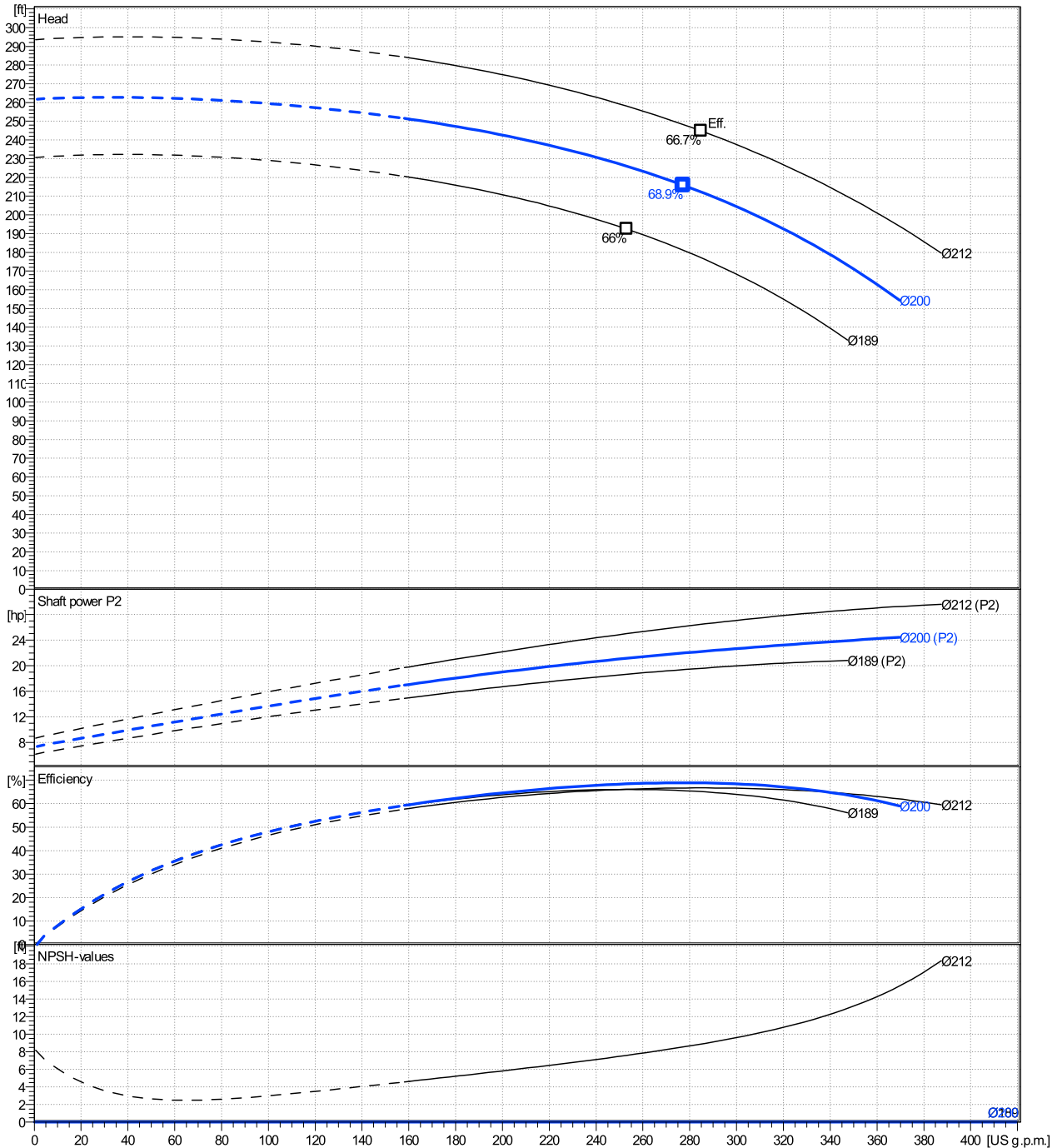
	Ø mm	Pump capacity Operating range η			Pump head H(Q=0) η		Shaft power P2 P2(Q=0) η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed	rpm	
actual	7 7/8	160	370	277	262	216	24.4	22	Nominal flow	US g.p.m.	0	
Min.	0	/	/	253	231	192	/	18.7	Nominal head	ft	0	
Max.	8 3/8	/	/	285	294	245	/	26.4	Inlet pressure	psi	0	
									Static head	ft	0	

Power datas referred to:

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

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

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



ESHE 50-250/185/P26PSSA

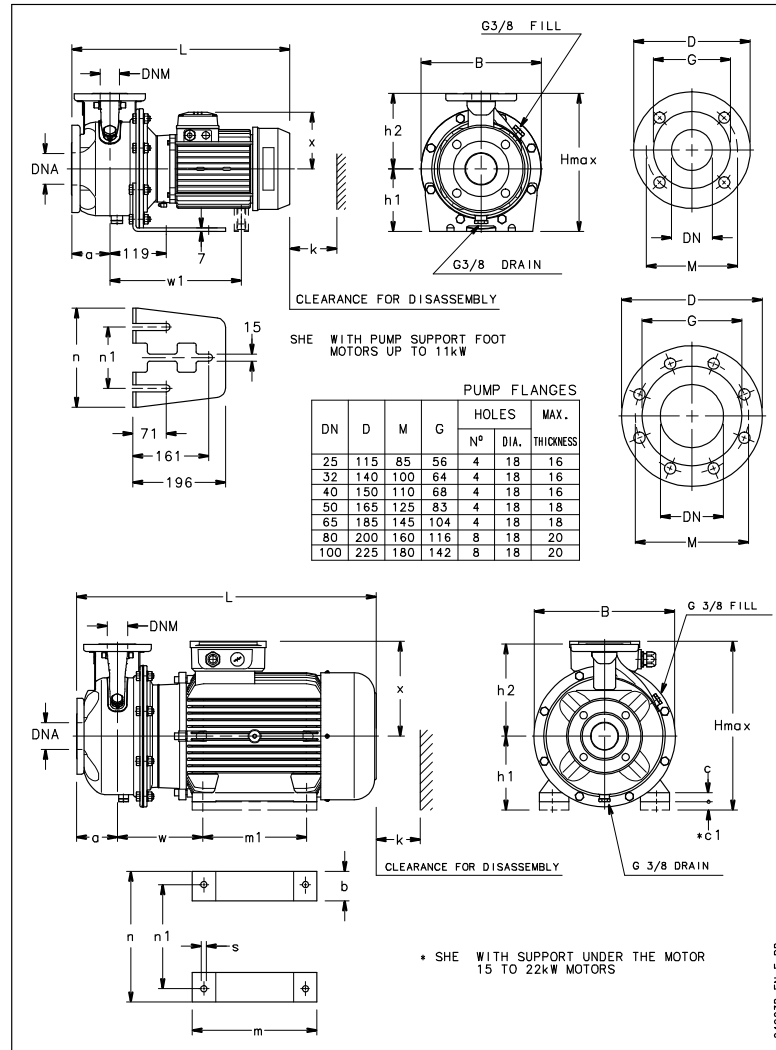
Dimensions

Company name
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Close coupled

PLM 160 B34 18,5 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	3 ¹⁵ / ₁₆		
B	13 ⁹ / ₁₆		
b	1 ¹⁵ / ₁₆		
c	3 ³ / ₁₆		
DNA	2 ⁹ / ₁₆		
DNM	1 ¹⁵ / ₁₆		
h1	7 ¹ / ₁₆		
h2	8 ⁷ / ₈		
Hmax	16 ⁹ / ₁₆		
k	4 ³ / ₁₆		
L	27 ⁵ / ₁₆		
m	11 ¹⁵ / ₁₆		
m1	10		
n	11 ¹⁵ / ₁₆		
n1	10		
s	9 ¹ / ₁₆		
w	8 ³ / ₁₆		
x	9 ⁷ / ₁₆		

Weight

Total weight	144 kg
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Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 50	
PN 16		PN 16	
EN1092-1		EN1092-1	
D	7 ⁵ / ₁₆	D	6 ¹ / ₂
Dia. Holes	1 ¹ / ₁₆	Dia. Holes	1 ¹⁵ / ₁₆
DN	2 ⁹ / ₁₆	DN	1 ¹⁵ / ₁₆
G	4 ¹ / ₈	G	3 ³ / ₄
M	5 ¹¹ / ₁₆	M	4 ¹⁵ / ₁₆
Max thickness	1 ¹⁵ / ₁₆	Max thickness	1 ¹⁵ / ₁₆

Dimensions and weight without obligation

Project	Xylect-20182923	Created by		Last update	1/12/2025
Block	ESHE 50-250/220/P26PSSA	Created on	1/12/2025		