

ESHF 40-250/150/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/ft³	62.4
6	Inlet pressure	psi	0	Kin. viscosity at t A	ft²/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	Unit with standard coupling				
11	Design	Horizontal				Impeller Ø
12	Operating speed	3500 rpm	Stages	1		Max. inch 8 7/16
13	Suction nozzle	DN 65 /	PN 16 /	EN1092-1		designed inch 8 7/16
14	Discharge nozzle	DN 40 /	PN 16 /	EN1092-1		Min. inch 7 3/8
15	Max. casing pressure	psi	174			Flow
16	Max. working pressure	psi	123.7			
17	Impeller type	Radial impeller				Head
18	Head H(Q=0)	ft	290			
19	Max. shaft power	hp	18.8			Min- US g.p.m. 79.3
20	Pump weight	kg				Nominal ft
21	Total weight	lb	385.8			at Qmax ft 173.7
						at Qmin ft 275.1
						Shaft power hp
						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	VBVGG
25	SEAL HOUSING	Stainless steel / AISI 316L			Mechanical seal diameter	1 1/8 inch
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				Coupling			
42	Manufacturer	Lowara		Manufacturer	Not applicable		
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Not applicable		
44	Type	PLM 160 B3 15 kW		Shaft diameter	Pump	0 inch	Motor 1 5/8 inch
45	Rated power	20.115 hp	Rated current	47.6 A	Frame size	Not applicable	
46	Nominal speed	3540 rpm	Rated voltage	220 V	Spacer length	inch	Not applicable
47	Frame size	160	Service factor	1	Weight	lb	
48	Weight	lb	219.4	Degree of protection	IP55	Coupling protection	Not applicable

Base plate			Remarks			
49	Name	Not applicable				
50	Weight	lb				

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Performance curve

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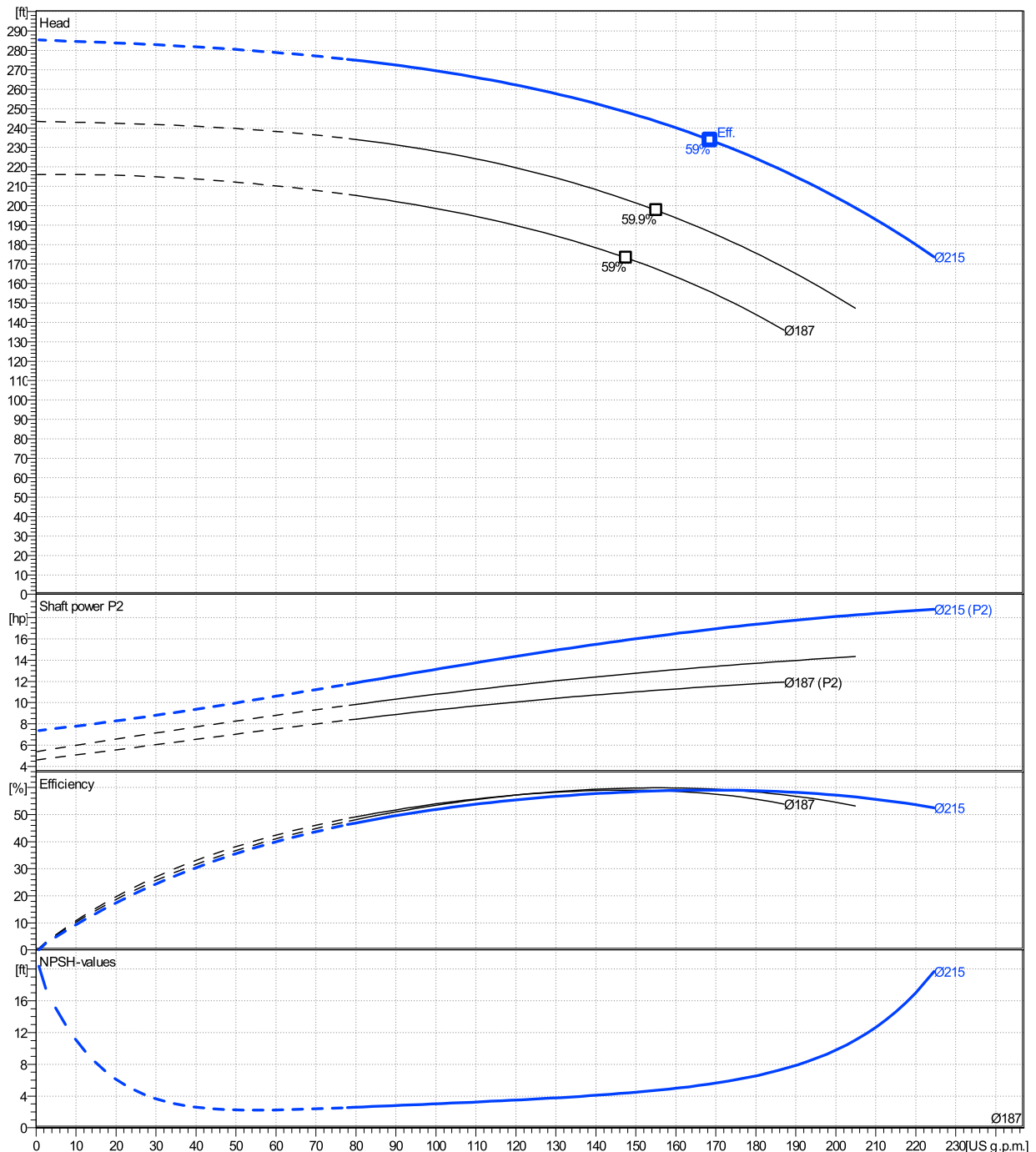
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	
		Operating range Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	
actual	8 7/16	79.3	225	169	285	234	18.8	16.9	Nominal flow	US g.p.m.	0	
Min.	0	/	/	148	216	173	/	10.9	Nominal head	ft	0	
Max.	8 7/16	/	/	169	285	234	/	16.9	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



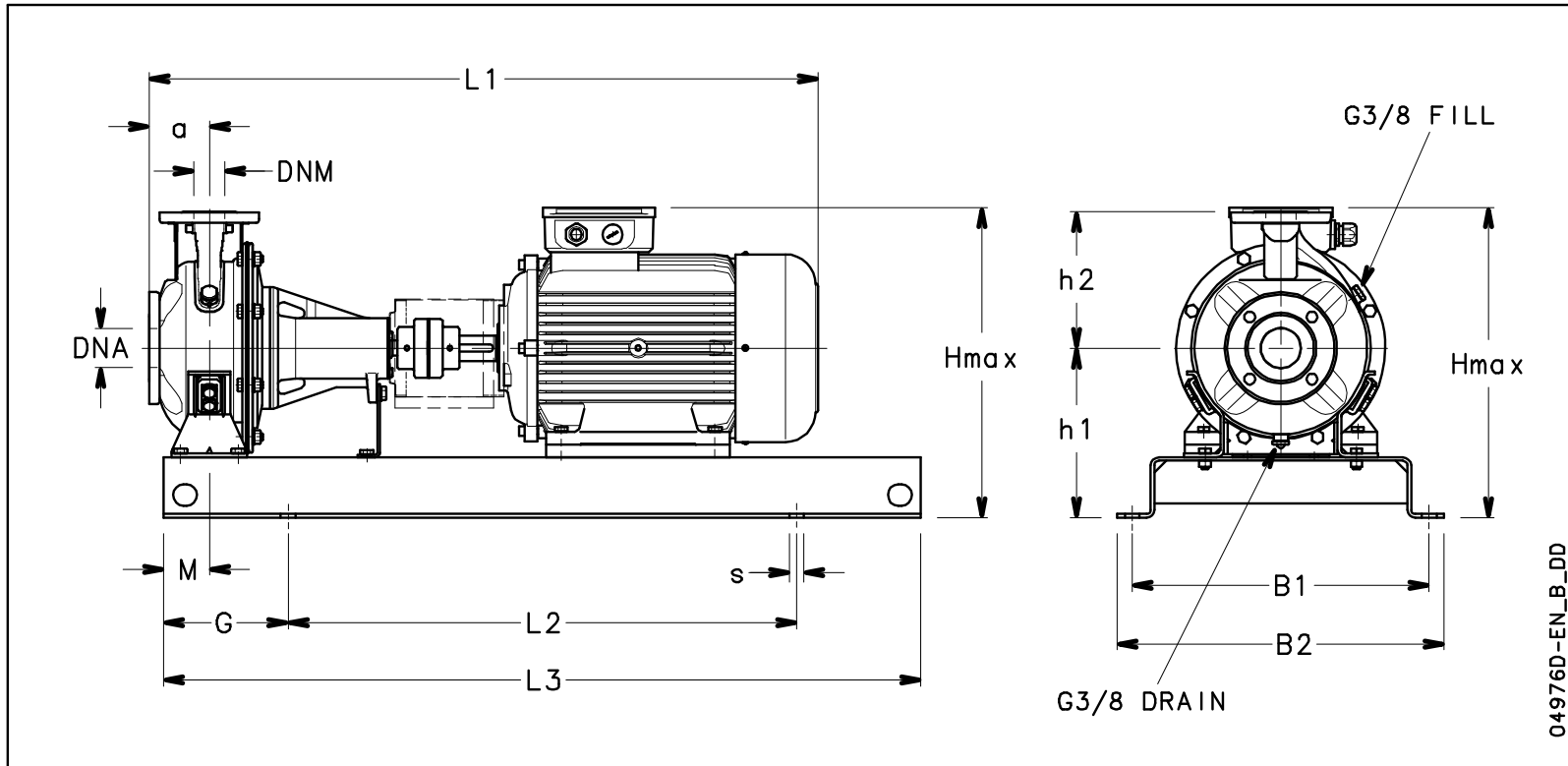
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Dimensions

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Frame mounted
Unit with standard coupling
PLM 160 B3 15 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	3 ¹⁵ / ₁₆
B1	19 ⁵ / ₁₆
B2	21 ¹ / ₄
Coupling Type	02
DNA	2 ⁹ / ₁₆
DNM	1 ⁹ / ₁₆
G	8 ¹ / ₁₆
h1	11 ¹ / ₃₂
h2	8 ⁷ / ₈
Hmax	20 ⁵ / ₈
L1	42 ¹ / ₆₄
L2	33 ¹ / ₁₆
L3	49 ³ / ₁₆
M	2 ¹⁵ / ₁₆
Sscrews	M20

Weight

Total weight	175 kg
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Connections

Suction nozzle	Discharge nozzle
DN 65	DN 40
PN 16	PN 16
EN1092-1	EN1092-1
D	5 ⁷ / ₈
Dia. Holes	1 ¹¹ / ₁₆
DN	1 ⁹ / ₁₆
G	2 ¹ / ₁₆
M	4 ⁵ / ₁₆
Max thickness	1/8

Dimensions and weight without obligation

Project	Xlect-20185149	Created by		Last update	1/13/2025
Block	ESHF 40-250/150/P26PSSA	Created on	1/13/2025		

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