

ESHF 65-200/150/P26PSNA

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				Impeller Ø	Max.	inch	7 3/16		
11	Design	Horizontal					designed	inch	6 7/16		
12	Operating speed	3500 rpm		Stages 1			Min.	inch	6 7/16		
13	Suction nozzle	DN 80 /		PN 16 /		EN1092-1		Flow	Nominal	US g.p.m.	
14	Discharge nozzle	DN 65 /		PN 16 /		EN1092-1			Max-	US g.p.m.	501.9
15	Max. casing pressure	psi		174					Min-	US g.p.m.	237.8
16	Max. working pressure	psi		73.4				Head	Nominal	ft	
17	Impeller type	Radial impeller							at Qmax	ft	95.1
18	Head H(Q=0)	ft		170					at Qmin	ft	164.1
19	Max. shaft power	hp		19.9		Shaft power		hp			
20	Pump weight	kg				Efficiency		%			
21	Total weight	lb		407.8		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 / ASTMCF8M				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	Impeller locknut and washer	Stainless steel / AISI 316				4. Springs
30	Tab	Stainless steel / AISI 316L				5. Others
31	Fill/drain plugs	Stainless steel / AISI 316				Gaskets of the pump
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Motor data

Electrical and dimensional data refer to IE3 motor

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	27.5 A
46	Nominal speed	3540 rpm	Rated voltage	380 V
47	Frame size	160	Service factor	1
48	Weight	lb 219.4	Degree of protection	IP55
			Coupling protection	Not applicable

Base plate

49	Name	Not applicable	Remarks
50	Weight	lb	

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Performance curve

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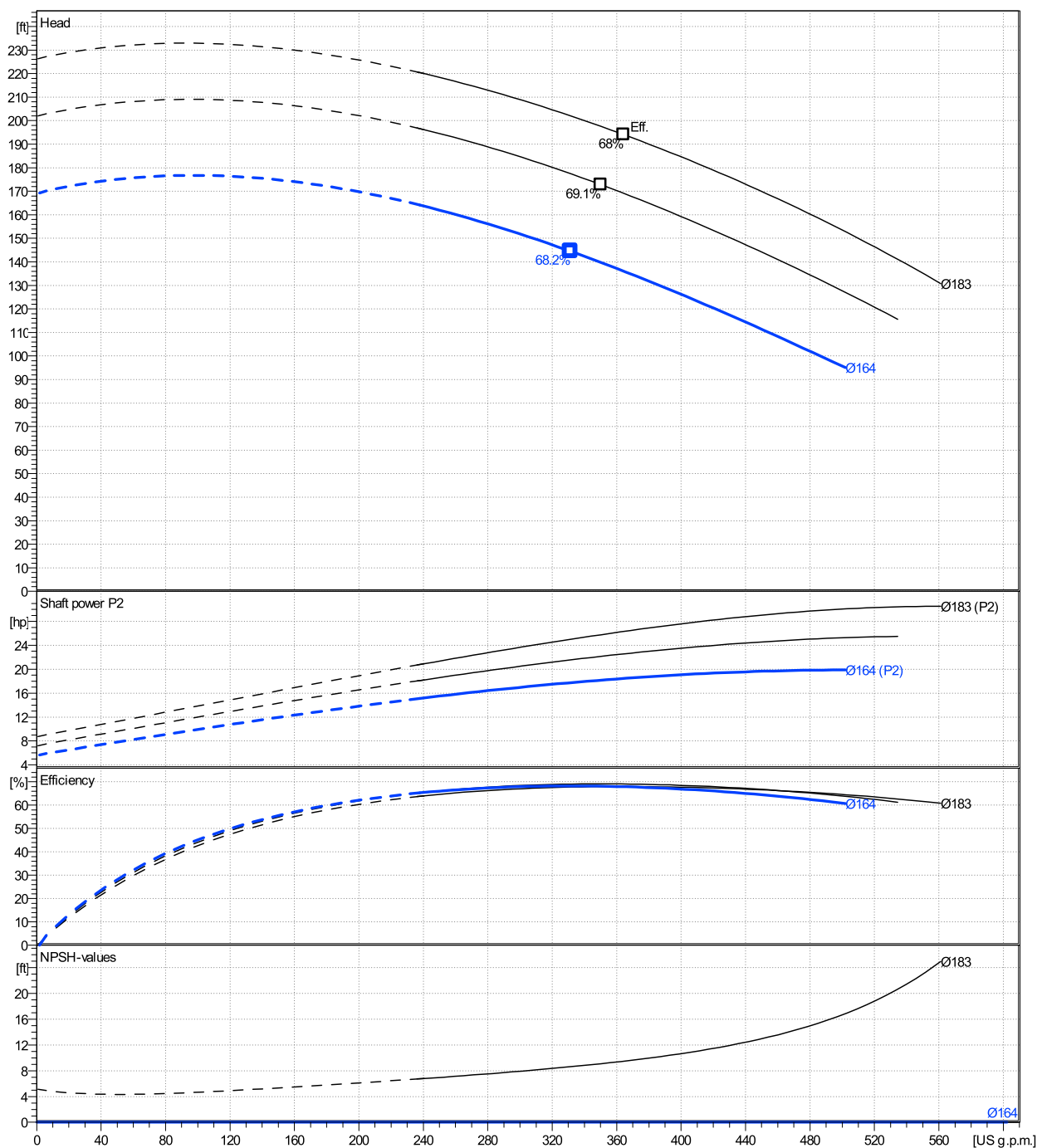
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	3500
actual	6 7/16	238	502	331	169	145		19.9	17.7	Nominal flow	US g.p.m.	0
Min.	0	/	/	331	169	145	/	/	17.7	Nominal head	ft	0
Max.	7 3/16	/	/	364	226	194	/	/	26.3	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

Company name
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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]

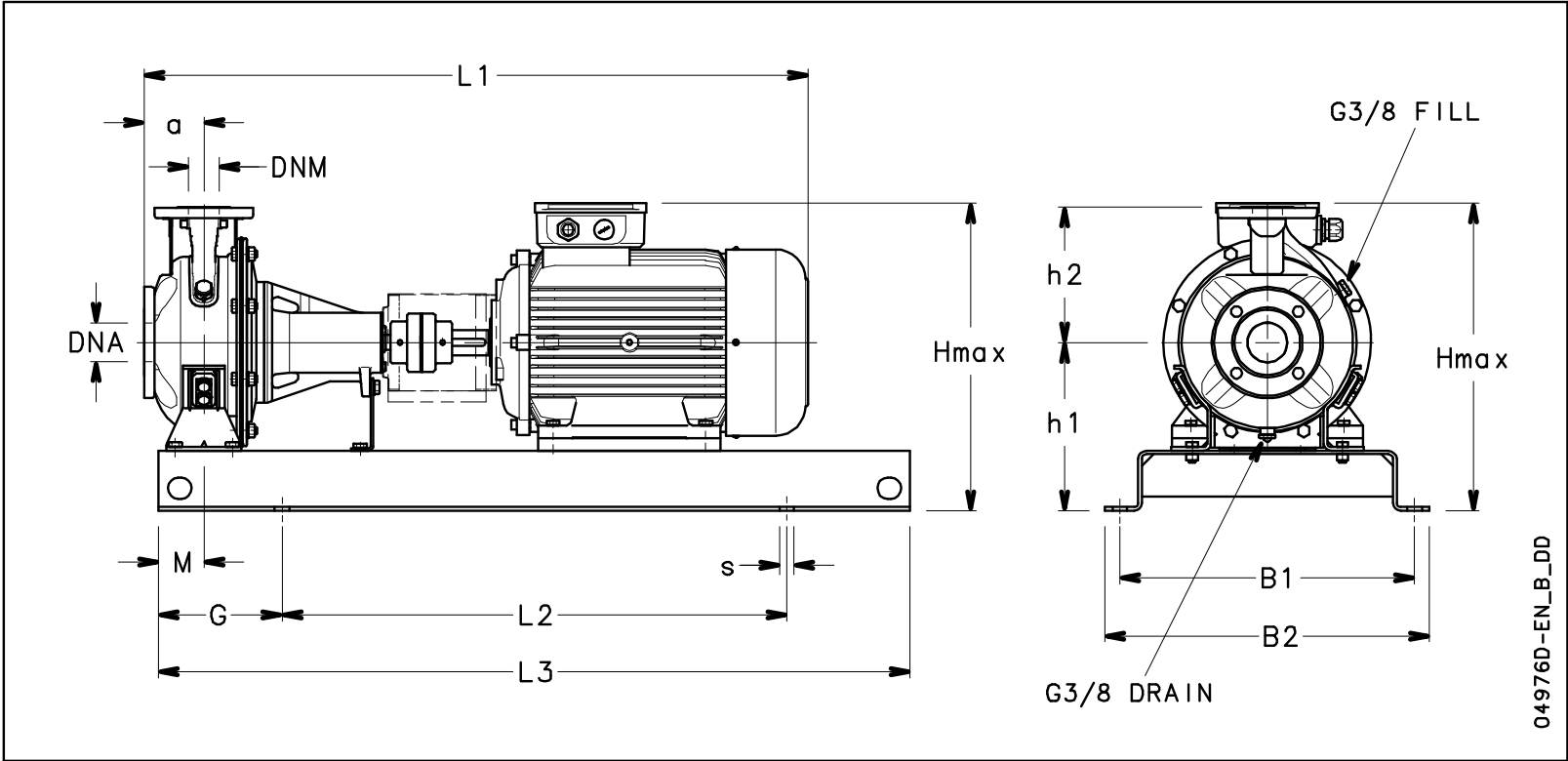
a	3 ¹⁵ / ₁₆		
B1	19 ⁵ / ₁₆		
B2	21 ¹ / ₄		
Coupling Type	02		
DNA	3 ¹ / ₈		
DNM	2 ⁹ / ₁₆		
G	8 ¹ / ₁₆		
h1	11 ¹ / ₃₂		
h2	8 ⁷ / ₈		
Hmax	20 ⁵ / ₈		
L1	42 ¹ / ₆₄		
L2	33 ¹ / ₁₆		
L3	49 ³ / ₁₆		
M	2 ¹⁵ / ₁₆		
Sscrews	M20		

Weight

Total weight	185 kg
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Connections

Suction nozzle	Discharge nozzle
DN 80	DN 65
PN 16	PN 16
EN1092-1	EN1092-1
D	7 ⁷ / ₈
Dia. Holes	1 ¹ / ₁₆
DN	3 ¹ / ₈
G	4 ¹ / ₂
M	6 ⁵ / ₁₆
Max thickness	1 ³ / ₈



Dimensions and weight without obligation

Project	Xylect-20185149	Created by		Last update	1/13/2025
Block	ESHF 65-200/220/L26USNA	Created on	1/13/2025		