

ESHF 65-200/220/L26USNA

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	
12	Operating speed	3500 rpm	Stages 1
13	Suction nozzle	DN 80 / PN 16 / EN1092-1	Impeller Ø
14	Discharge nozzle	DN 65 / PN 16 / EN1092-1	
15	Max. casing pressure	psi 174	Flow
16	Max. working pressure	psi 95.9	
17	Impeller type	Radial impeller	
18	Head H(Q=0)	ft 220	Head
19	Max. shaft power	hp 29.5	
20	Pump weight	kg	Shaft power hp
21	Total weight	lb 518.1	
			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 / ASTMCF8M	Uniten 3K VBVG
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				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	3MAS 180 M B3 22 kW		Shaft diameter	Pump 0 inch	Motor 1 7/8 inch	
45	Rated power	29.502 hp	Rated current 39.6 A	Frame size	Not applicable		
46	Nominal speed	3546 rpm	Rated voltage 380 V	Spacer length	inch	Not applicable	
47	Frame size	180 M	Service factor 1	Weight	lb		
48	Weight	lb 280.6	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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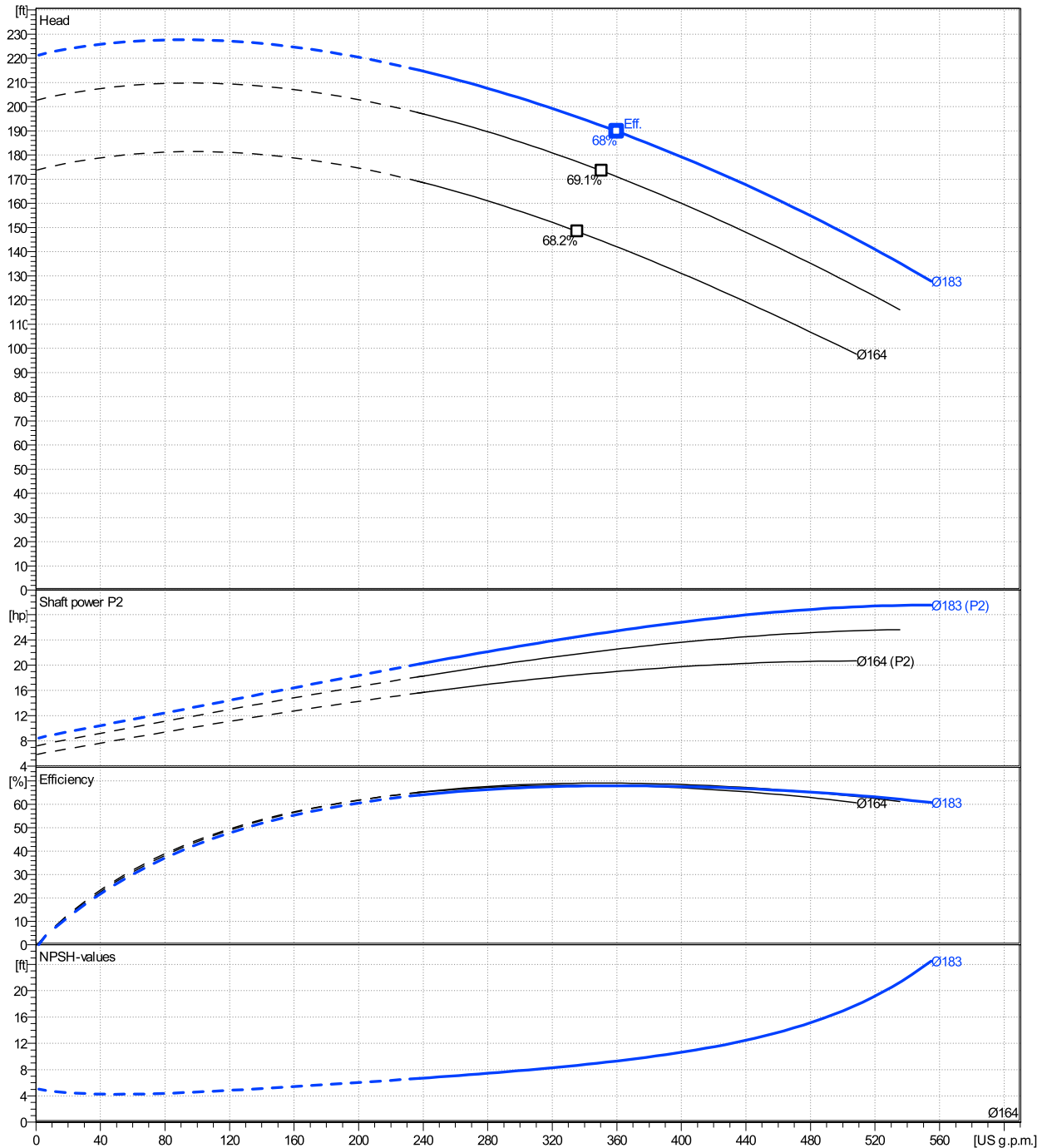
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	
		Operating range Min. US g.p.m.	Max. US g.p.m.	η Max. US g.p.m.	H(Q=0) ft	η Max. ft	P2(Q=0) hp	Max. hp	η Max. hp	Operating speed	rpm	
actual	7 3/16	238	555	360	221	190	29.5	25.4	Nominal flow	US g.p.m.	0	
Min.	0	/	/	336	174	148	/	18.5	Nominal head	ft	0	
Max.	7 3/16	/	/	360	221	190	/	25.4	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



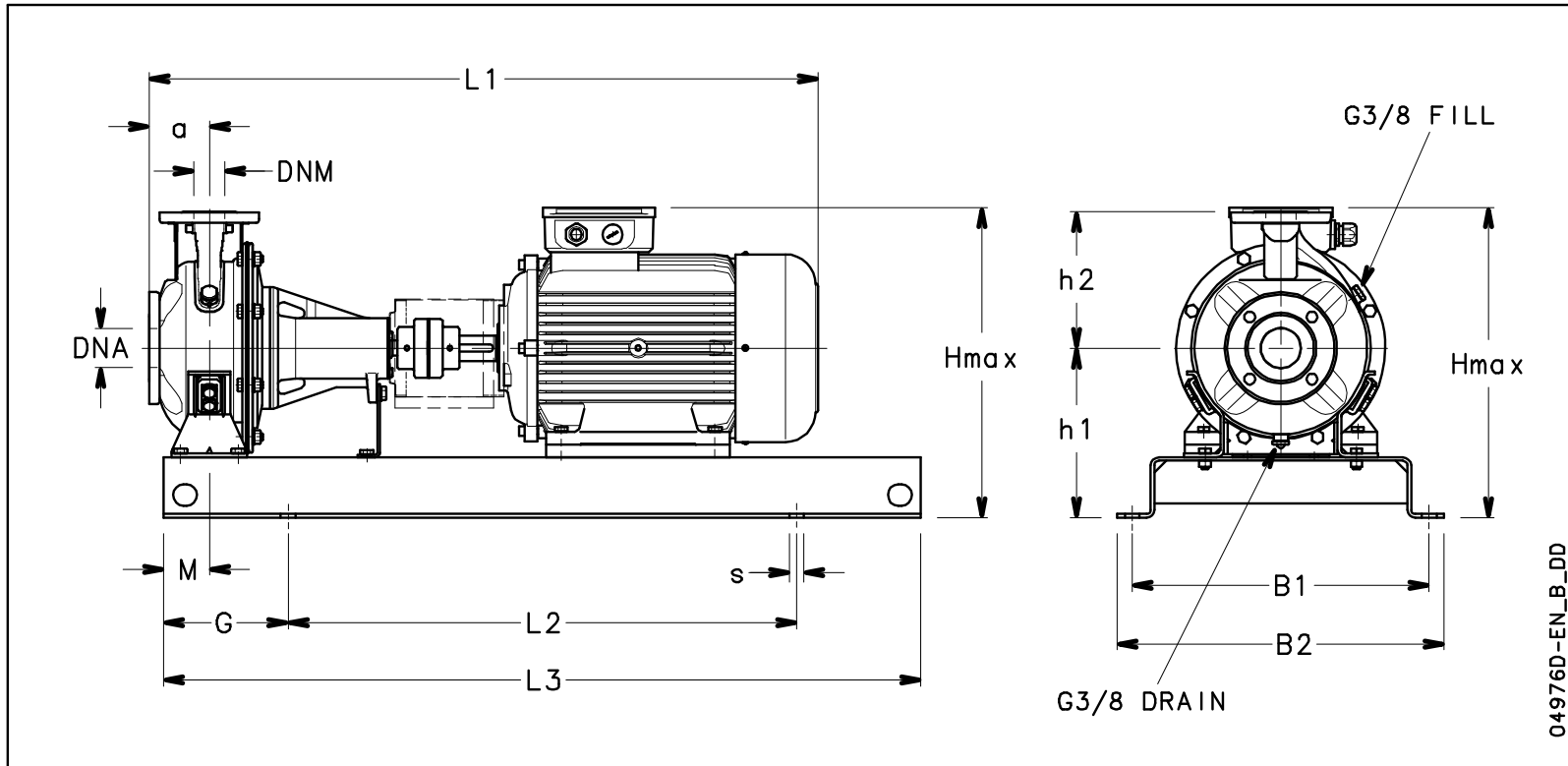
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Dimensions

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Frame mounted
Unit with standard coupling
3MAS 180 M B3 22 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	D1		
DNA	3 ¹ / ₈		
DNM	2 ⁹ / ₁₆		
G	8 ¹ / ₁₆		
h1	11 ¹ / ₃₂		
h2	8 ⁷ / ₈		
Hmax	21		
L1	45 ¹³ / ₁₆		
L2	33 ¹ / ₁₆		
L3	49 ³ / ₁₆		
M	2 ¹⁵ / ₁₆		
Sscrews	M20		

Weight

Total weight	235 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 ¹¹ / ₁₆
DN	3 ¹ / ₈
G	4 ¹ / ₂
M	6 ⁵ / ₁₆
Max thickness	1 ¹³ / ₁₆

Dimensions and weight without obligation

Project	Xylect-20185149	Created by		Last update	1/13/2025
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