

ESHF 80-160/150/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					
11	Design	Horizontal				Impeller Ø	
12	Operating speed	3500 rpm	Stages	1		Max. inch 6 7/16	
13	Suction nozzle	DN 100 / PN 16 / EN1092-1				designed inch 6 1/8	
14	Discharge nozzle	DN 80 / PN 16 / EN1092-1				Min. inch 6 1/8	
15	Max. casing pressure	psi	174		Flow	Nominal US g.p.m.	
16	Max. working pressure	psi	51.9			Max- US g.p.m. 792.5	
17	Impeller type	Radial impeller				Head	Min- US g.p.m. 317
18	Head H(Q=0)	ft	120		Nominal ft		
19	Max. shaft power	hp	20.1		at Qmax ft 62.4		
20	Pump weight	kg			at Qmin ft 119.7		
21	Total weight	lb	460.8		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 / ASTMCF8M			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)
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						

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				

ESHF 80-160/150/P26PSNA

Performance curve

Company name
Contact
Phone number
e-mail address

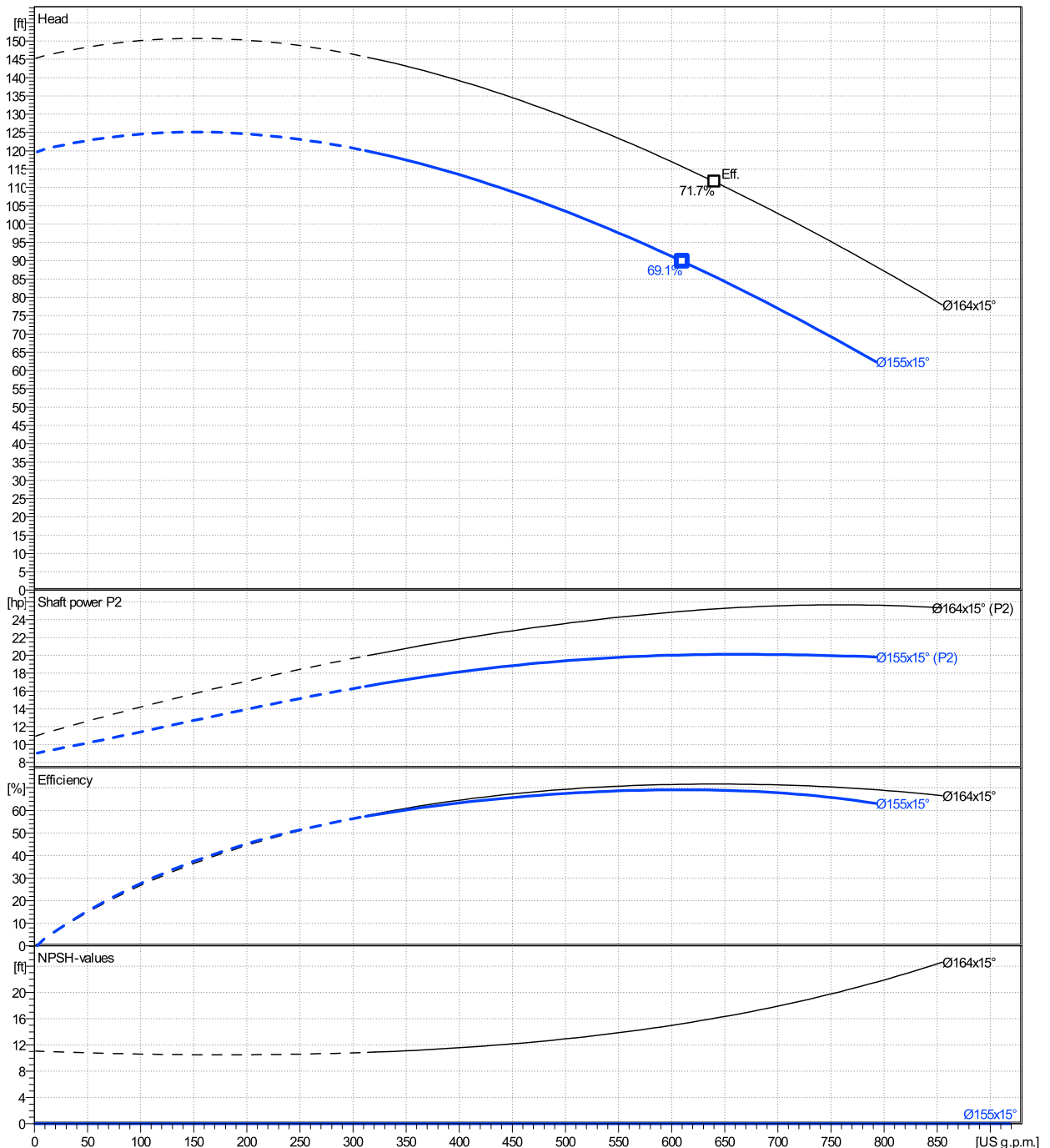
	Ø mm	Pump capacity Operating range η			Pump head η		Shaft power P2 η			Frequency	Hz	
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed	rpm	
actual	6 1/8	317	793	610	120	89.8		20.1	20	Nominal flow	US g.p.m.	0
Min.	0	/	/	610	120	89.8		/	20	Nominal head	ft	0
Max.	6 7/16	/	/	641	145	112		/	25.2	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



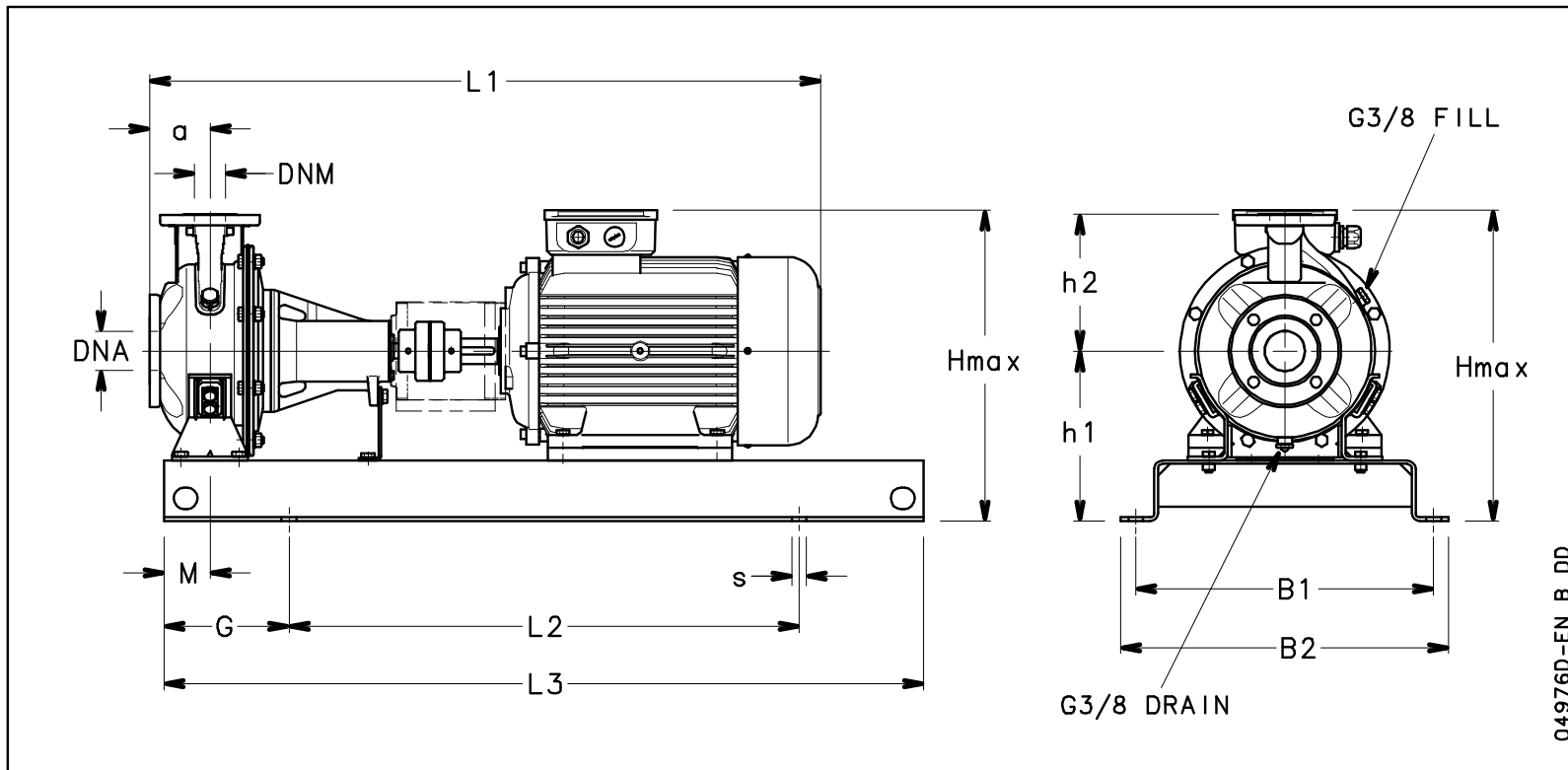
ESHF 80-160/150/P26PSNA

Dimensions

Company name
Contact
Phone number
e-mail address

Frame mounted
Unit with standard coupling
PLM 160 B3 15 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [inch]

a	4 ¹⁵ / ₁₆		
B1	19 ⁵ / ₁₆		
B2	21 ¹ / ₄		
Coupling Type	02		
DNA	3 ¹⁵ / ₁₆		
DNM	3 ¹ / ₈		
G	8 ¹ / ₁₆		
h1	11 ¹ / ₃₂		
h2	8 ⁷ / ₈		
Hmax	20 ⁵ / ₈		
L1	43		
L2	33 ¹ / ₁₆		
L3	49 ³ / ₁₆		
M	2 ¹⁵ / ₁₆		
Sscrews	M20		

Weight

Total weight	209 kg
--------------	--------

Connections

Suction nozzle	Discharge nozzle
DN 100	DN 80
PN 16	PN 16
EN1092-1	EN1092-1
D	7 ⁷ / ₈
Dia. Holes	3 ¹ / ₁₆
DN	3 ¹⁵ / ₁₆
G	4 ¹ / ₂
M	6 ⁵ / ₁₆
Max thickness	1 ³ / ₁₆

Dimensions and weight without obligation

Project	Xlect-20185149	Created by		Last update	1/13/2025
Block	ESHF 80-160/185/P26PSNA	Created on	1/13/2025		

04976D-EN_B_DD