

ESHF 65-160/07/X45RSNA

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	°C 4
3	Nominal flow	m ³ /h 0	Max / Min Operating Temperature mech. Seal	°C 120 / -10
4	Nominal head	m 0	pH-value at t A	7
5	Static head	m 0	Density at t A	kg/m ³ 1000
6	Inlet pressure	kPa 0	Kin. viscosity at t A	mm ² /s 1.569
7	Environmental temperature	°C 20	Vapor pressure at t A	kPa 100
8	Available system NPSH	m 0	Altitude	0

Pump data				
9	Lubrication	Standard, Grease lubrication [Std]		
10	Execution	Unit with standard coupling		
11	Design	Horizontal		
12	Operating speed	1450 rpm	Stages	1
13	Suction nozzle	DN 80 /	PN 16 /	EN1092-1
14	Discharge nozzle	DN 65 /	PN 16 /	EN1092-1
15	Max. casing pressure	kPa 1200	Impeller Ø	Max. mm 176
16	Max. working pressure	kPa 60.1		designed mm 140
17	Impeller type	Radial impeller		
18	Head H(Q=0)	m 6.1	Flow	Min. mm 140
19	Max. shaft power	kW .6		Nominal m ³ /h
20	Pump weight	kg	Head	Max- m ³ /h 54
21	Total weight	kg 86.0		Min- m ³ /h 17
			Shaft power	Nominal m
				at Qmax m 2.1
			Efficiency	at Qmin m 5.9
				kW
			NPSH 3%	%
				m

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 22 mm	
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	Xylem		Manufacturer	Not applicable	
43	Specific design	IE3 3ph Surface Motor - Premium Efficiency		Series	Not applicable	
44	Type	LLM480B3/307		Shaft diameter	Pump 0 mm	Motor 19 mm
45	Rated power	0.75 kW	Rated current 1.65 A	Frame size	Not applicable	
46	Nominal speed	1420 rpm	Rated voltage 400 V	Spacer length	mm	Not applicable
47	Frame size	80	Service factor 1	Weight	kg	
48	Weight	kg 10.1	Degree of protection IP55	Coupling protection	Not applicable	

Base plate			Remarks		
49	Name	Not applicable			
50	Weight	kg			

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Performance curve

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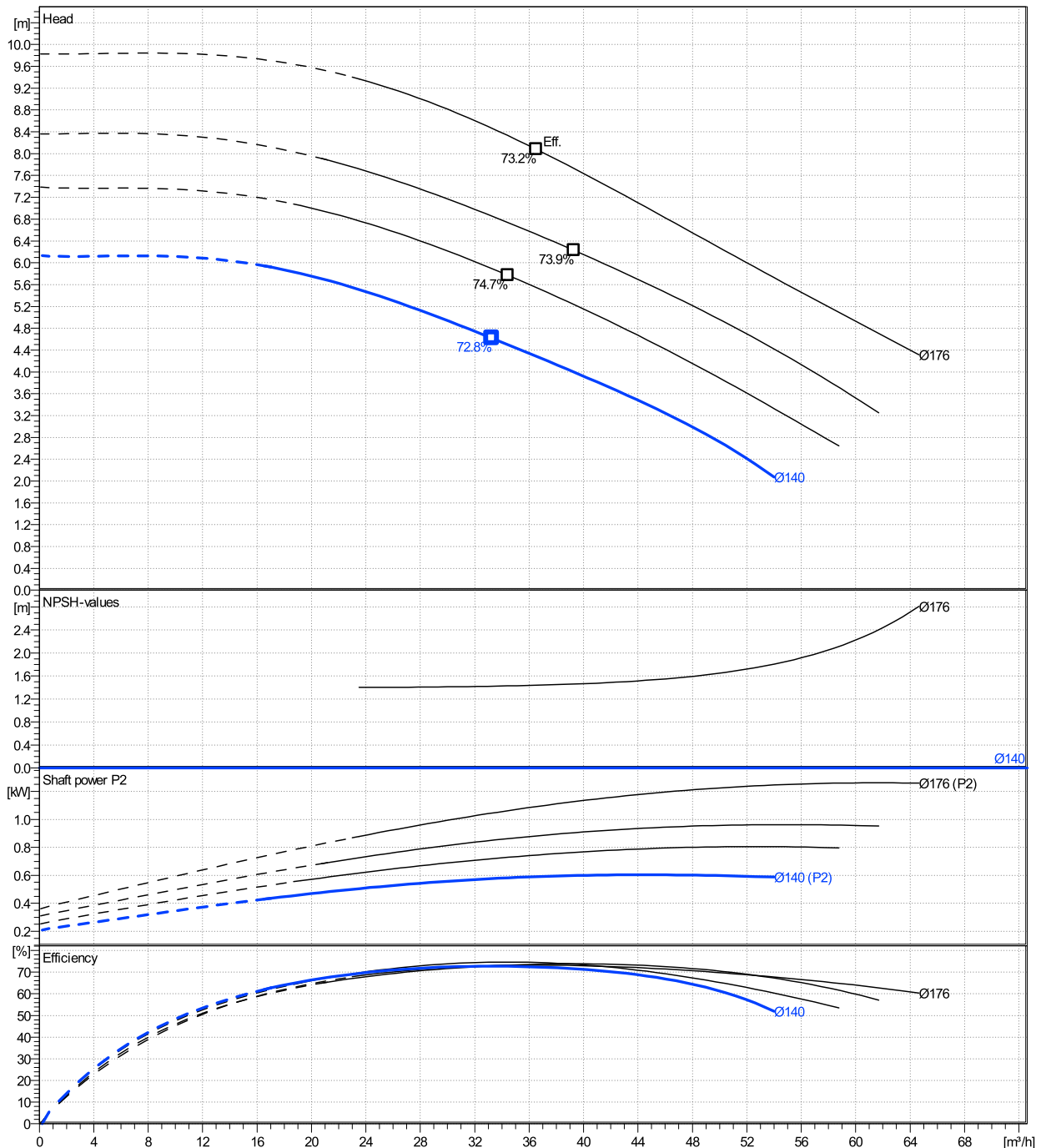
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	1450
actual	140	17	54	33.3	6.13	4.62		0.604	0.576	Nominal flow	m³/h	0
Min.	0	/	/	33.3	6.13	4.62		/	0.576	Nominal head	m	0
Max.	176	/	/	36.5	9.83	8.08		/	1.09	Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

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

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

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

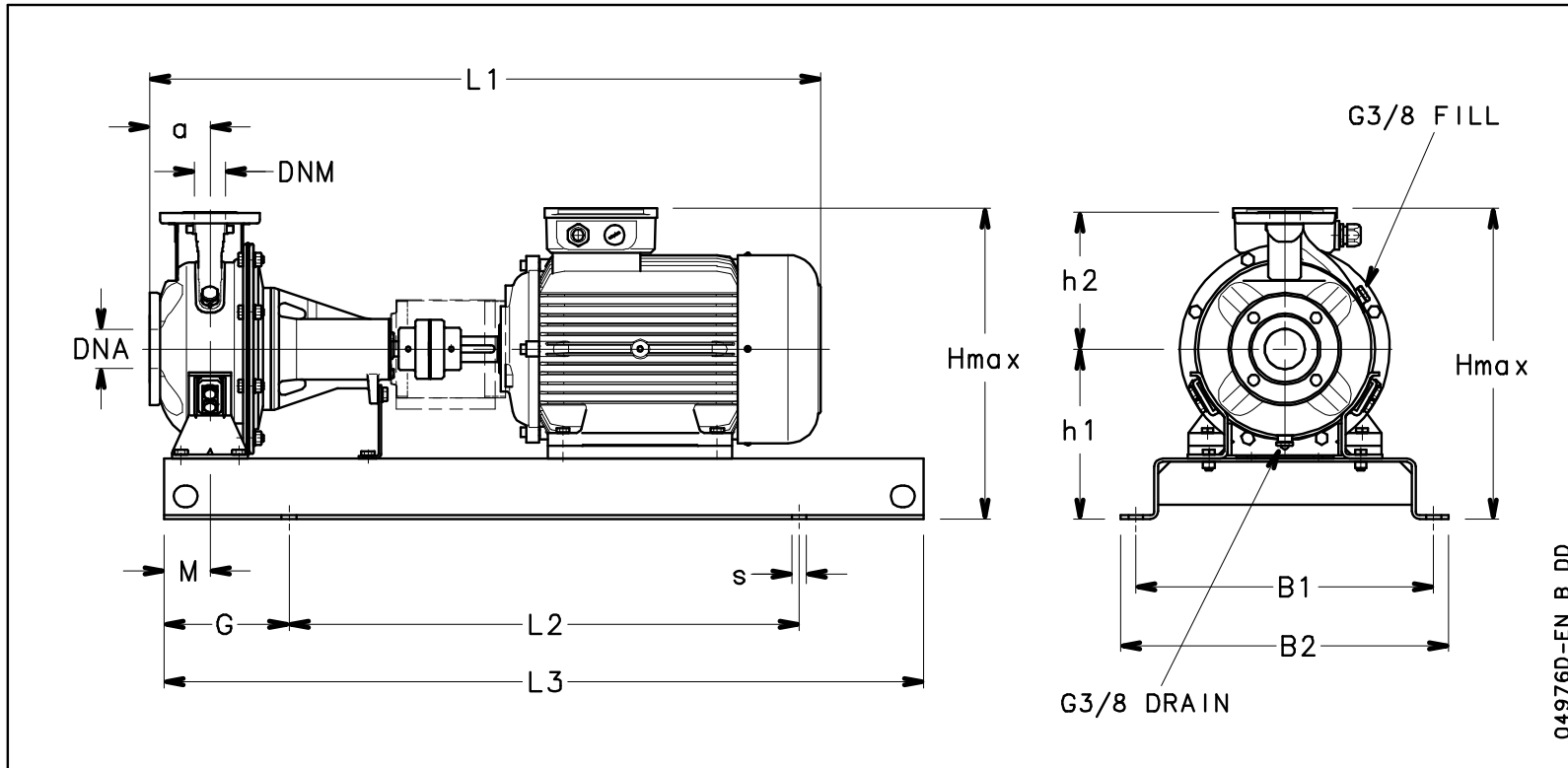


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Dimensions

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Frame mounted
Unit with standard coupling
LLM480B3/307



Dimensions [mm]

a	100
B1	350
B2	390
Coupling Type	2
DNA	80
DNM	65
G	150
h1	260
h2	200
Hmax	460
L1	734
L2	600
L3	900
M	75
Sscrews	M16

Weight

Total weight	86 kg
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Connections

Suction nozzle	Discharge nozzle
DN 80	DN 65
PN 16	PN 16
EN1092-1	EN1092-1
D 200	D 185
Dia. Holes 18	Dia. Holes 18
DN 80	DN 65
G 114	G 104
M 160	M 145
Max thickness 20	Max thickness 18

Dimensions and weight without obligation

Project	Xylect-20123150	Created by		Last update	12/19/2024
Block	ESHF 65-160/110/P25VSNA	Created on	12/19/2024		