

ESHE 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	m³/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/m³ 1000
6	Inlet pressure	kPa 0	Kin. viscosity at t A	mm²/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			
11	Design	Horizontal		
12	Operating speed	1420 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 57.7		designed mm 140
17	Impeller type	Radial impeller		Min. mm 127
18	Head H(Q=0)	m 5.9	Flow	Nominal m³/h
19	Max. shaft power	kW .6		Max- m³/h 52.9
20	Pump weight	kg		Min- m³/h 16.7
21	Total weight	kg 36.0	Head	Nominal m
				at Qmax m 2
				at Qmin m 5.7
			Shaft power	kW
			Efficiency	%
			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	Rigid shaft coupling	Stainless steel / AISI 316	4. Springs	CrNiMo - Steel
30	Impeller locknut and washer	Stainless steel / AISI 316	5. Others	CrNiMo - Steel
31	Tab	Stainless steel / AISI 316L	Gaskets of the pump	Fluorine rubber (FKM)
32	Fill/drain plugs	Stainless steel / AISI 316		
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Motor data

42	Manufacturer	Lowara LM		
43	Specific design	IE3 3ph Flange Motor		
44	Type	LLM490RB14/307		
45	Rated power	0.75 kW	Rated current	1.65 A
46	Nominal speed	1420 rpm	Rated voltage	400 V
47	Frame size	90R	Service factor	1
48	Weight	kg 10.1	Degree of protection	IP55

Remarks

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Project	Xylect-20106709	Created by		Last update	12/16/2024
Block	ESHE 65-160/110/P25VSNA	Created on	12/16/2024		

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Performance curve

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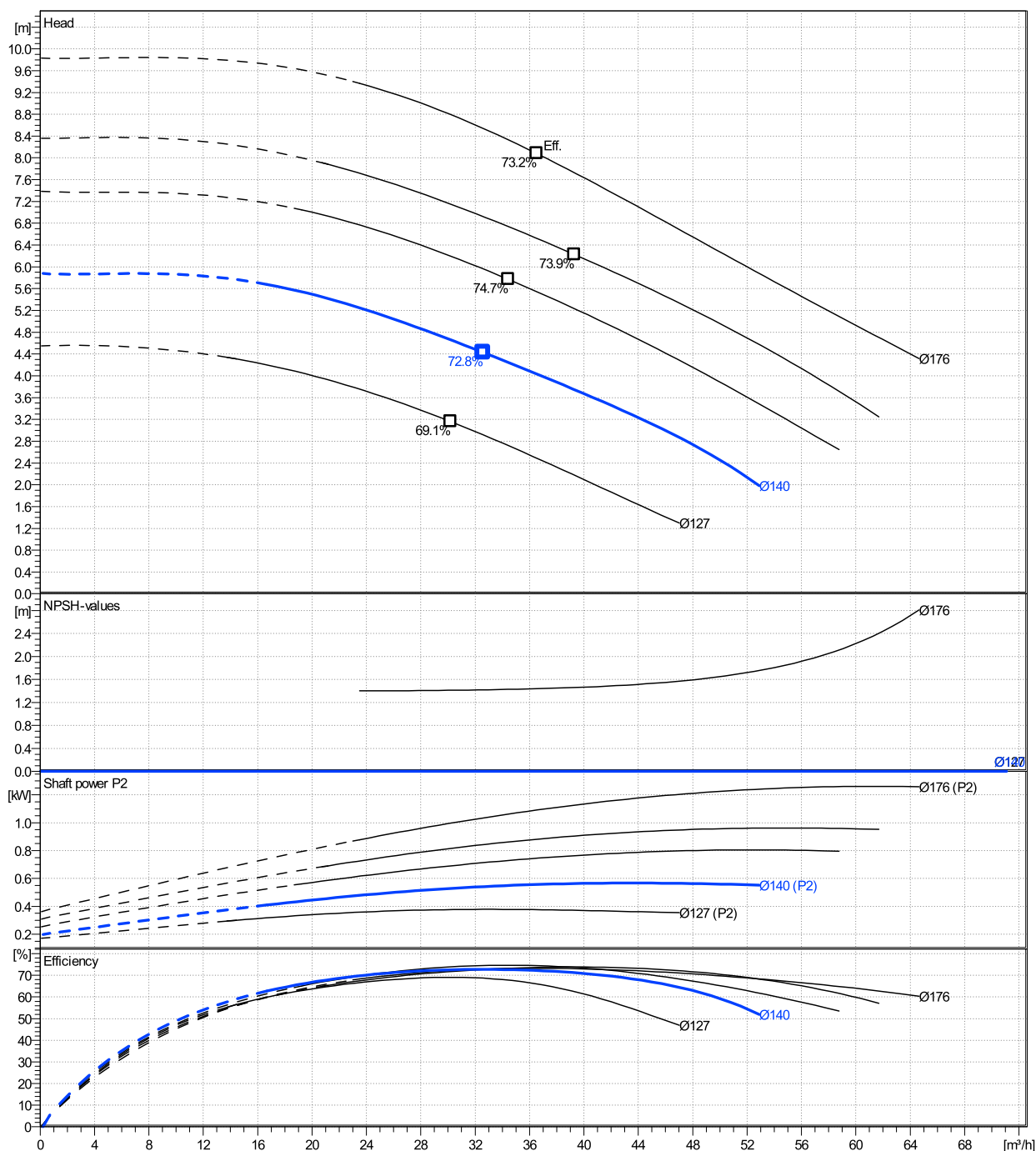
	Ø mm	Pump capacity Operating range Min. Max. Max. m³/h m³/h m³/h			Pump head H(Q=0) η m m		Shaft power P2 P2(Q=0) Max. η kW kW kW			Frequency Hz 50		
		Min.	Max.	Max.	H(Q=0)	η	P2(Q=0)	Max.	η	Operating speed	rpm	
actual	140	16.7	52.9	32.6	5.88	4.43		0.567	0.541	Nominal flow	m³/h	0
Min.	0	/	/	30.2	4.55	3.16		/	0.377	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



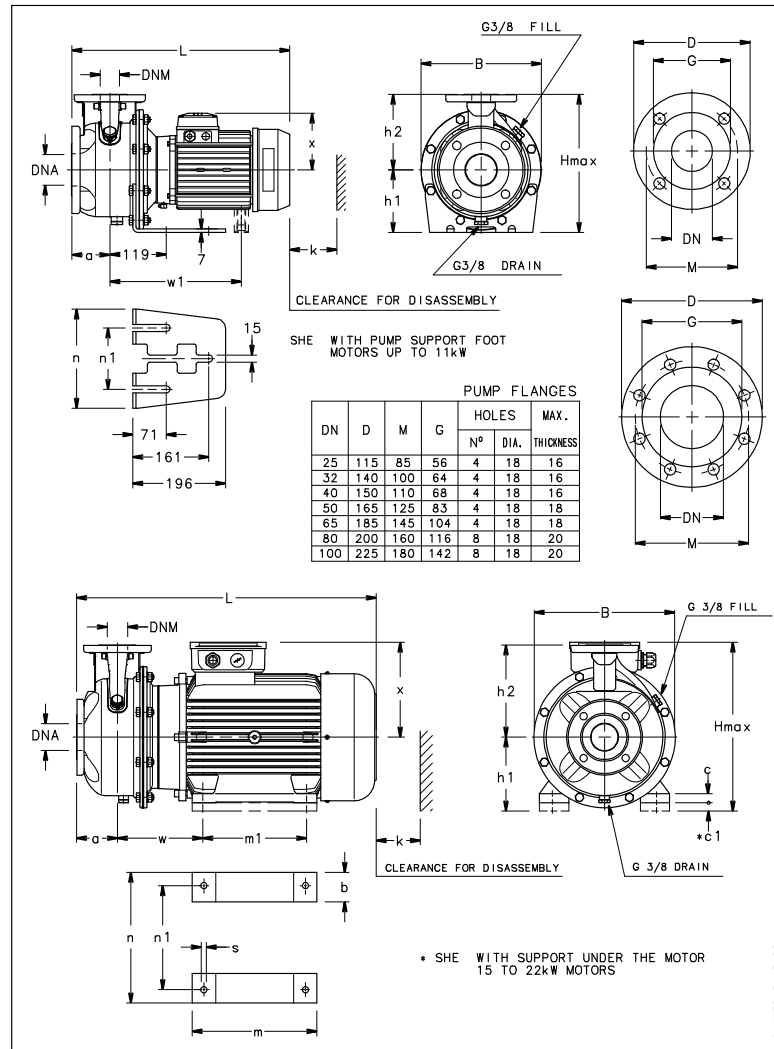
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Dimensions

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Close coupled

LLM490RB14/307



Dimensions		[mm]	
a	100		
B	310		
DNA	80		
DNM	65		
h1	160		
h2	200		
Hmax	360		
k	130		
L	431		
n	245		
n1	130		
x	128		

Weight

Total weight 36 kg

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

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