LOWARA
a xylem brand

LNEEE40-125/03/EP05CS4

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pumpe type	Single head pump			Fluid		Water, pure
No. of pumps / Reserve		1 / 0		Operating temperature t A	°C	4
Nominal flow		m³/h	0	pH-value at t A		7
Nominal head		m	0	Density at t A	kg/m³	1000
Static head		m	0	Kin. viscosity at t A	mm²/s	1.569
Inlet pressure		kPa	0	Vapor pressure at t A	kPa	100
Environmental temperature		°C	20	Solids		0
Available system NPSH		m	0	Altitude	m	0

Pump data

Make	Lowara				Nominal	m³/h	( )
Speed		rpm	2900	Flow	Max-	m³/h	16.8
Number of stages			1		Min-	m³/h	
Max. casing pressure		kPa			Nominal	m	
Max. working pressure		kPa	78.1	Head	at Qmax	m	1.9
Head H(Q=0)		m	8		at Qmin	m	8
Weight		kg	33	Shaft power		kW	( )
	Max.	mm		Max. shaft power		kW	
Impeller R	designed	mm		Efficiency (Hydraulic+Motor+Drive)		%	
	Min.	mm		NPSH 3%		m	

Pump Materials

Volute Casing	Cast iron
Casing Cover	Cast iron
Impeller	Stainless steel / AISI 304
Stub shaft	Stainless steel / AISI 316L
Wear Ring	Stainless steel / AISI 304
Impeller lock nut and washer	Stainless steel / AISI 304
Impeller key	Stainless steel / AISI 316L
Fill and drain plugs	Nickel-plated brass

Shaft Seal

Unbalanced mechanical seal	Burgmann
eMG12 (-25 / +90 °C)	
1. Rotating ring	Carbon graphite resin impregnated
2. Stationary ring	SiC, silicon carbide, sintered press.less
3. Secondary seal	Ethylene propylene rubber (EPDM)
4. Springs	CrNiMo - Steel
5. Others	EPDM - WRAS
Gaskets of the pump	Ethylene propylene rubber (EPDM)
Code	B/ESIC-Q7EGG/Y10-WA

Motor data

Manufacturer	Lowara	Electric voltage	460 V	Speed	2900 rpm	Insulation class	B
Specific design	Three phase e-SM motor			Frame size	90R	Colour	RAL 5010
Type	ESM90R../303 LNEE	Electric current	1.36 A				
Rated power	0.37 kW	Degree of protection	IP 55				

Remarks:

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Performance curve

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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m³/h	Flow		Impeller R	0 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	2900 rpm

Power datas referced to:
Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906:2012 – Grade 3B

Project			Created by		Last update 9/29/2021
Block	LNEEE40-125/03/EP05CS4		Created on	9/29/2021	

Program version	Data version	User group(s)
59.0 - 21/06/2021 (Build 118)	19/08/2021 16:20	Xylem: United Kingdom - EXT

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Dimensions

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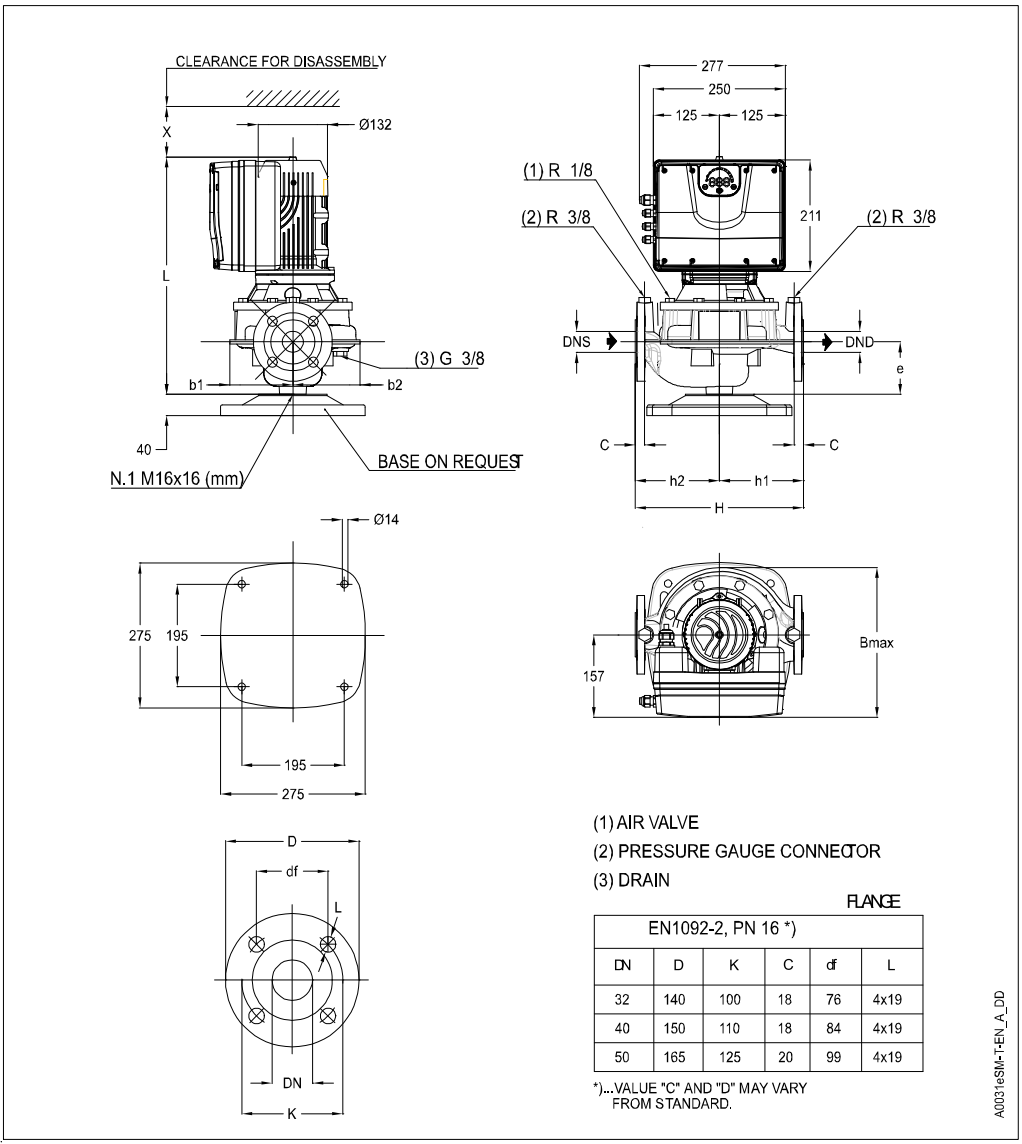
Dimensions mm/l

b1	128		
b2	120		
Bmax	285		
DND	40		
DNS	40		
e	100		
H	320		
h1	160		
h2	160		
L	452		
x	260		
		Total weight	32.5 kg

Connections mm

Suction nozzle Discharge nozzle

Drawing



(1) AIR VALVE
(2) PRESSURE GAUGE CONNECTOR
(3) DRAIN

FLANGE

EN1092-2, PN 16 *)					
DN	D	K	C	df	L
32	140	100	18	76	4x19
40	150	110	18	84	4x19
50	165	125	20	99	4x19

*)...VALUE "C" AND "D" MAY VARY FROM STANDARD.

A0031eSM-T-EN_A_DD

Project		Created by	Last update 9/29/2021
Block	LNEEE40-125/03/EP05CS4	Created on 9/29/2021	

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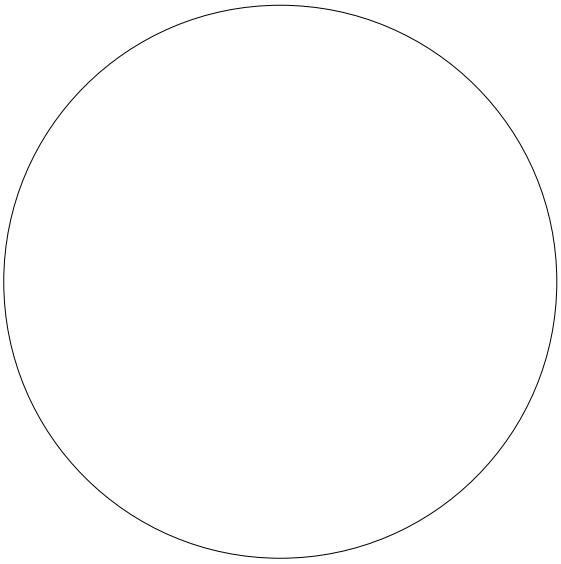
Total lifetime	15	Inflation rate (rate of price increases)	2 %
Annual operating time	5600	Interest rate (for investment)	3 %
Energy cost per kWh	0.00 GBP		
Power input P1			

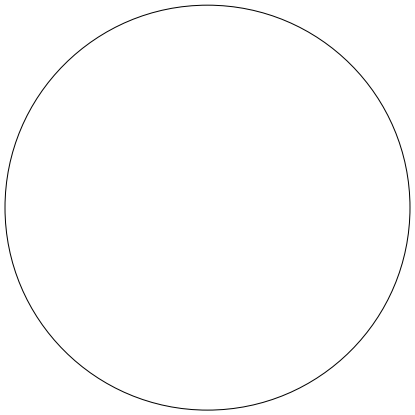
Total costs



GBP

0%	**0.00 GBP**	Energy
0%	**0.00 GBP**	Investment costs
0%	**0.00 GBP**	Installation & commissioning
0%	**0.00 GBP**	Operating cost
0%	**0.00 GBP**	Maintenance & repair
0%	**0.00 GBP**	Downtime
0%	**0.00 GBP**	Environmental
0%	**0.00 GBP**	Decommissioning

First year costs



GBP

0%	**0.00 GBP**	Energy (1st year)
0%	**0.00 GBP**	Investment costs (1st year)
0%	**0.00 GBP**	Installation & commissioning (1st year)
0%	**0.00 GBP**	Operating cost (1st year)
0%	**0.00 GBP**	Maintenance & repair (1st year)
0%	**0.00 GBP**	Downtime (1st year)
0%	**0.00 GBP**	Environmental (1st year)
0%	**0.00 GBP**	Decommissioning (1st year)