

ESHS 32-250/07/X45RSSA**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		Impeller Ø	Max.	mm 244
12	Operating speed	1450 rpm	Stages 1		designed	mm 203
13	Suction nozzle	DN 50 /	PN 16 /		Min.	mm 203
14	Discharge nozzle	DN 32 /	PN 16 /	Flow	Nominal	m³/h
15	Max. casing pressure	kPa 1200			Max-	m³/h 15
16	Max. working pressure	kPa 128.8			Min-	m³/h 3.4
17	Impeller type	Radial impeller		Head	Nominal	m
18	Head H(Q=0)	m 13			at Qmax	m 7.3
19	Max. shaft power	kW .7			at Qmin	m 12.7
20	Pump weight	kg		Shaft power	kW	
21	Total weight	kg 42.0		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 / AISI 316L		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	Rigid shaft coupling	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

42	Manufacturer	Lowara LM			
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency			
44	Type	LLM480B5/307			
45	Rated power	0.75 kW	Rated current	1.65 A	
46	Nominal speed	1420 rpm	Rated voltage	400 V	
47	Frame size	80	Service factor	1	
48	Weight	kg 10.1	Degree of protection	IP55	

Remarks

49	
50	
50	
52	

Project	Xylect-20117698	Created by		Last update	12/18/2024
Block	ESHS 32-250/110/P25VSSA	Created on	12/18/2024		

ESHS 32-250/07/X45RSSA

Performance curve

Company name
Contact
Phone number
e-mail address

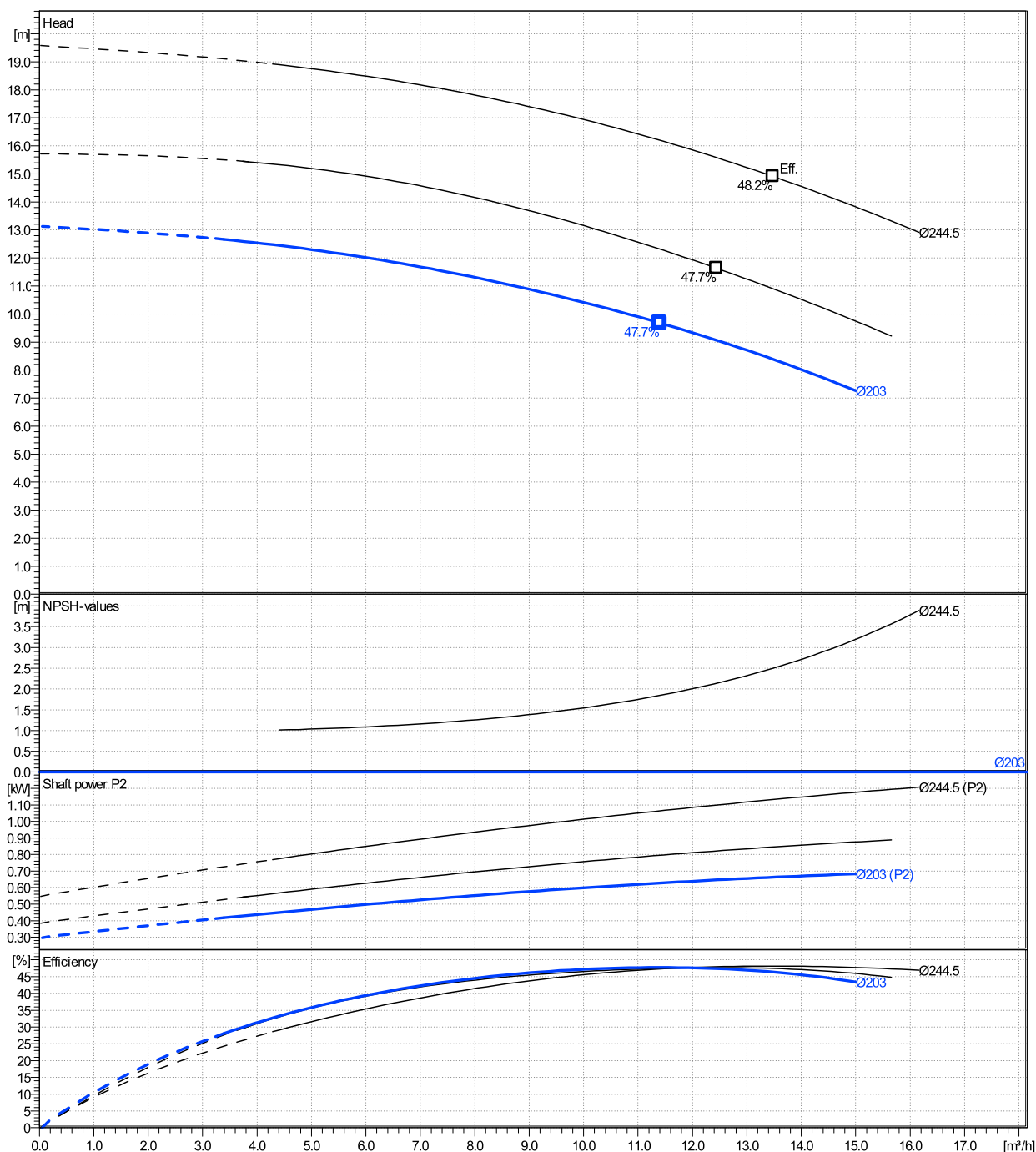
	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm		
actual	203	3.39	15	11.4	13.1	9.68		0.683	0.628			1450
Min.	0	/	/	11.4	13.1	9.68		/	0.628			0
Max.	244	/	/	13.5	19.6	14.9		/	1.13			0
										Nominal flow	m³/h	0
										Nominal head	m	0
										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



Project Block Xylect-20117698
ESHS 32-250/110/P25VSSA

Created by
Created on 12/18/2024

Last update 12/18/2024

Program version
75.0 - 06/12/2024 (Build 274)

Data version
15/12/2024 18:59

User group(s)
Xylem: United Kingdom - EXT

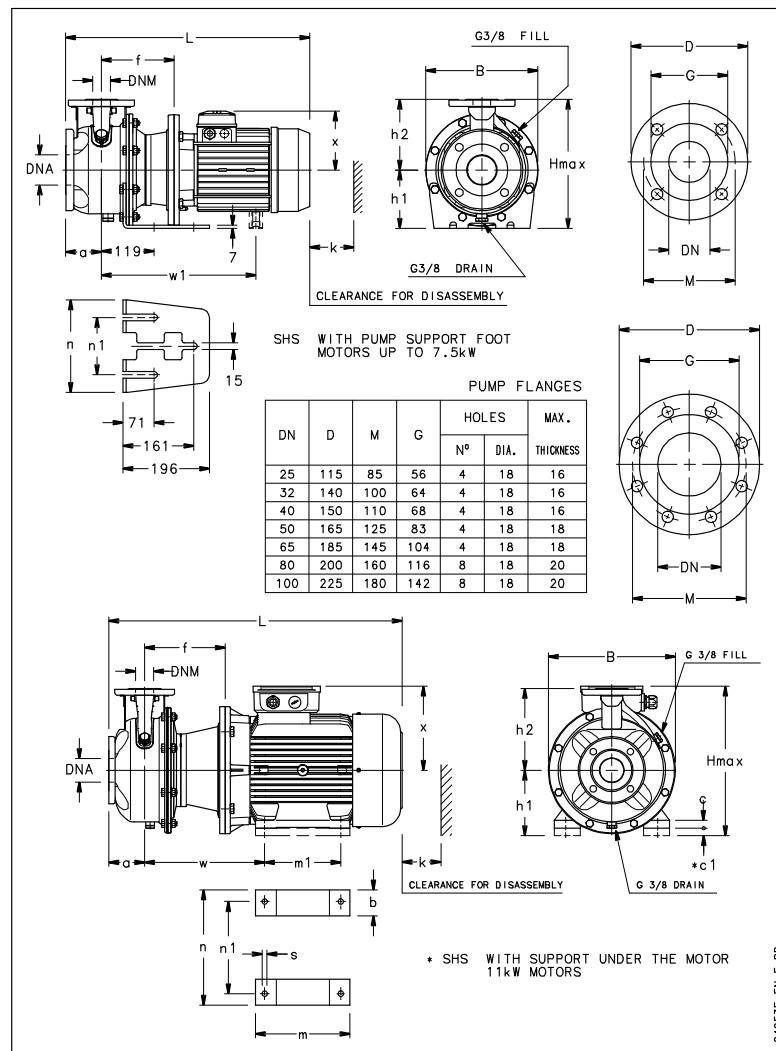
ESHS 32-250/07/X45RSSA

Dimensions

Company name
Contact
Phone number
e-mail address

Rigid coupling

LLM480B5/307



Dimensions		[mm]	
a	100		
B	345		
DNA	50		
DNM	32		
f	155		
h1	180		
h2	225		
Hmax	405		
k	98		
L	486		
n	265		
n1	130		
x	128		

Weight	
Total weight	42 kg

Connections	
Suction nozzle	Discharge nozzle
DN 50	DN 32
PN 16	PN 16
EN1092-1	EN1092-1
D	165
Dia. Holes	18
DN	50
G	83
M	125
Max thickness	16

Dimensions and weight without obligation

Project	Xylect-20117698	Created by		Last update	12/18/2024
Block	ESHS 32-250/110/P25VSSA	Created on	12/18/2024		