

NSCS 32-160/40/P25VCS4**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 / -25
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	2 poles motor				
11	Design	Horizontal				
12	Operating speed	2900 rpm	Stages	1	Impeller Ø	Max. mm 171
13	Suction nozzle	DN 50 / PN 16 / EN1092-2				designed mm 160
14	Discharge nozzle	DN 32 / PN 16 / EN1092-2				Min. mm 137
15	Max. casing pressure	kPa			Flow	Nominal m³/h
16	Max. working pressure	kPa	337.4			Max- m³/h 36
17	Impeller type	Radial impeller				Min- m³/h 9.1
18	Head H(Q=0)	m	34		Head	Nominal m
19	Max. shaft power	kW	3.8			at Qmax m 22.7
20	Pump weight	kg				at Qmin m 35
21	Total weight	kg	44.6		Shaft power	kW
					Efficiency	%
					NPSH 3%	m

Materials

22		Pump		Shaft Seal	
23	Volute Casing	Cast Iron		Single mechanical seal, without shaft sleeve	
24	Casing Cover	Cast Iron		eMG12 - Ø22mm	BQ7EGG-WA
25	Impeller	Fabricated Stainless Steel		Mechanical seal diameter	22 mm
26	Shaft	Stainless steel		1. Rotating ring	Carbon graphite resin impregnated
27	Wear ring	Stainless steel		2. Stationary ring	SiC, silicon carbide, sintered press.less
28	Impeller lock nut and washer	Stainless steel		3. Secondary seal	Ethylene propylene rubber (EPDM)
29	Impeller key	Stainless steel		4. Springs	CrNiMo - Steel
30	Fill and drain plugs	Stainless steel		5. Others	EPDM - WRAS
31				Gaskets of the pump	Ethylene propylene rubber (EPDM)
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Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency		
44	Type	PLM 112R B5 4 kW		
45	Rated power	4 kW	Rated current	7.62 A
46	Nominal speed	2885 rpm	Rated voltage	400 V
47	Frame size	112R	Service factor	1
48	Weight	kg 25.0	Degree of protection	IP55

Remarks

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Block	NSCS 32-160/55/P25VCS4	Created on	12/6/2024		

NSCS 32-160/40/P25VCS4

Performance curve

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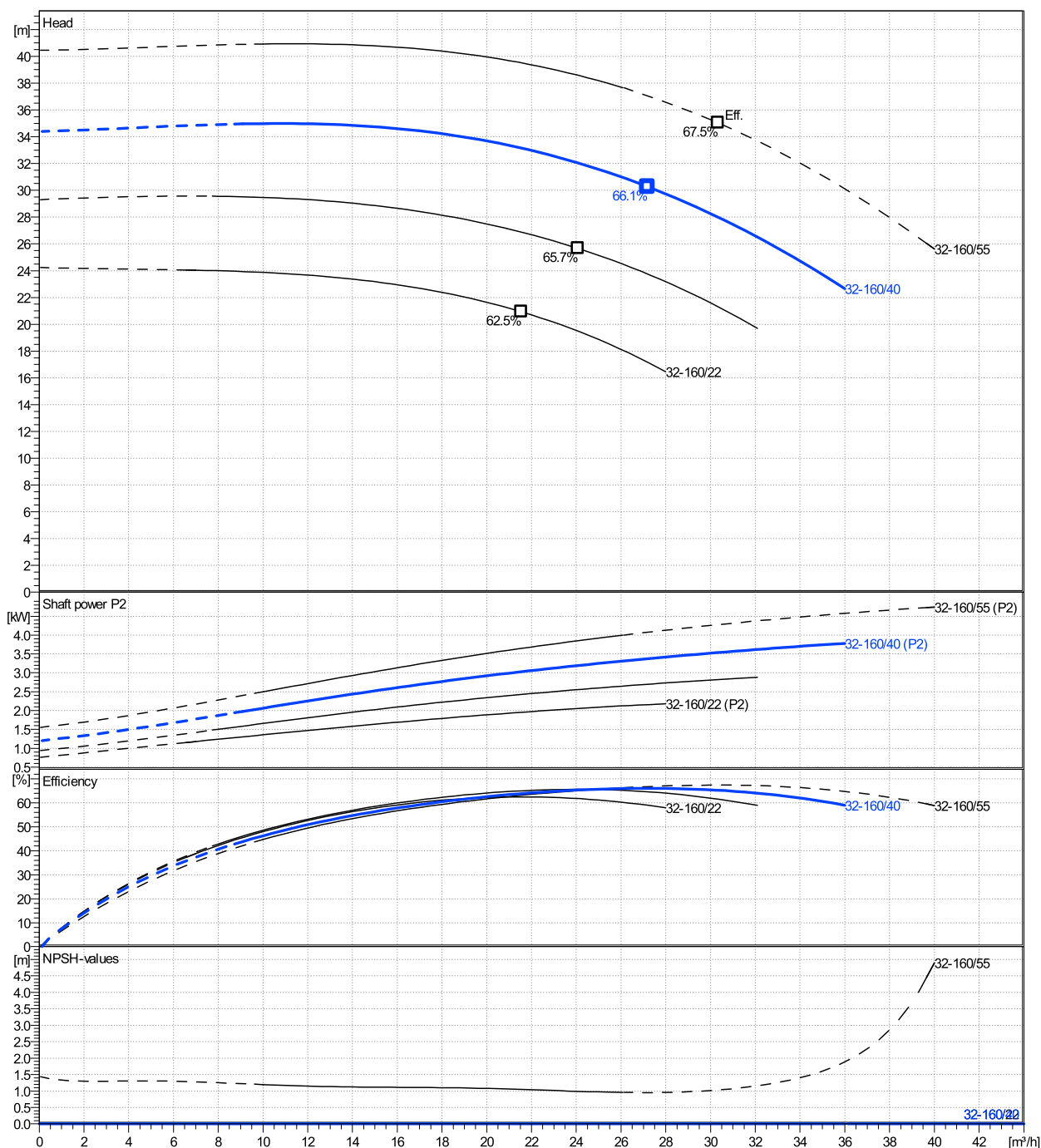
	Ø mm	Pump capacity Operating range			Pump head H(Q=0)		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	Max. m³/h	η	Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	Nominal flow m³/h	
actual	160	9.1	36	27.2	34.4	30.3		3.78	3.37	2900	0	50
Min.	0	/	/	21.6	24.2	20.9		/	1.95		0	
Max.	171	/	/	30.3	40.4	35		/	4.28		0	

Power datas referred to:

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

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

MEI: >=0,4



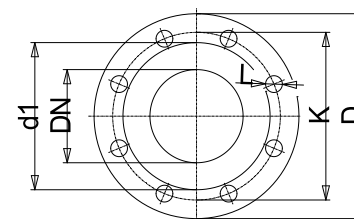
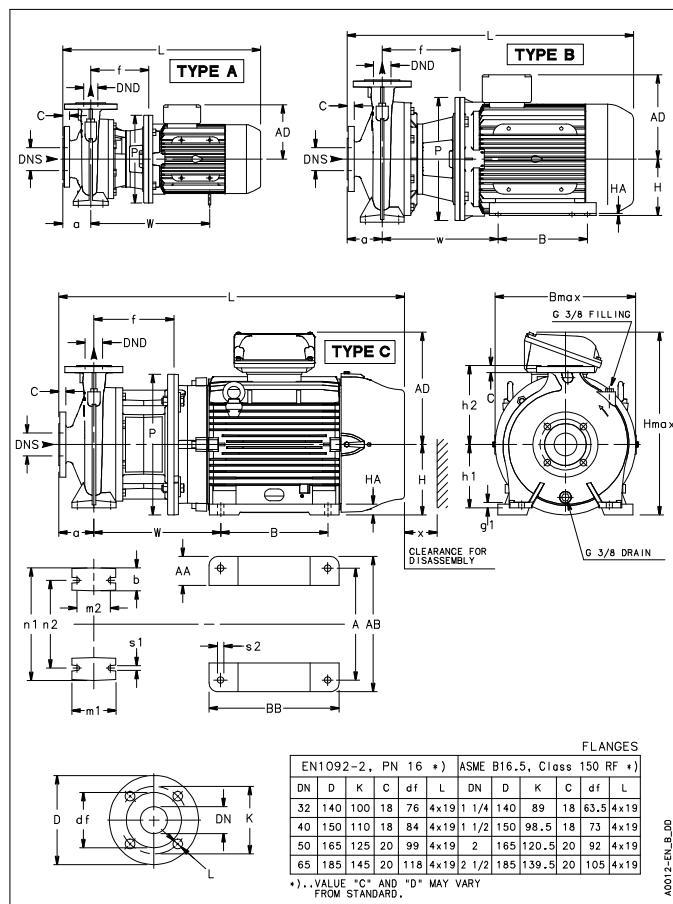
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Dimensions

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Blockpump
2 poles motor
PLM 112R B5 4 kW

Electrical and dimensional data refer to IE3 motor



Value C, D may vary from Standard

Dimensions [mm]			
a	80		
AD	154		
b	50		
Bmax	250		
DNd	32		
DN s	50		
f	165		
g1	14		
h1	132		
h2	160		
Hmax	292		
L	564		
m1	100		
m2	70		
n1	240		
n2	190		
P	250		
s1	14		
Type	A		
Volumen	0.040843		
w	338		
x	86		

Weight	
Total weight	44.6 kg

Connections			
Suction nozzle		Discharge nozzle	
DN 50		DN 32	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	20	C	18
D	165	D	140
df	99	df	76
DN	50	DN	32
K	125	K	100
L	4 x 19	L	4 x 19

Dimensions and weight without obligation

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