

NSCS 40-160/11/P45RCS4**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	4 poles motor				
11	Design	Horizontal				
12	Operating speed	1450 rpm	Stages	1	Impeller Ø	Max. mm 165
13	Suction nozzle	DN 65 / PN 16 / EN1092-2				designed mm 165
14	Discharge nozzle	DN 40 / PN 16 / EN1092-2				Min. mm 139
15	Max. casing pressure	kPa			Flow	Nominal m³/h
16	Max. working pressure	kPa	99.1			Max- m³/h 33
17	Impeller type	Radial impeller				Min- m³/h 7.5
18	Head H(Q=0)	m	10		Head	Nominal m
19	Max. shaft power	kW	.9			at Qmax m 6.5
20	Pump weight	kg			Shaft power	at Qmin m 10.1
21	Total weight	kg	43.0		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 90 B5 1,1 kW		
45	Rated power	1.1 kW	Rated current	2.65 A
46	Nominal speed	1435 rpm	Rated voltage	400 V
47	Frame size	90	Service factor	1
48	Weight	kg 19.4	Degree of protection	IP55

Remarks

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Performance curve

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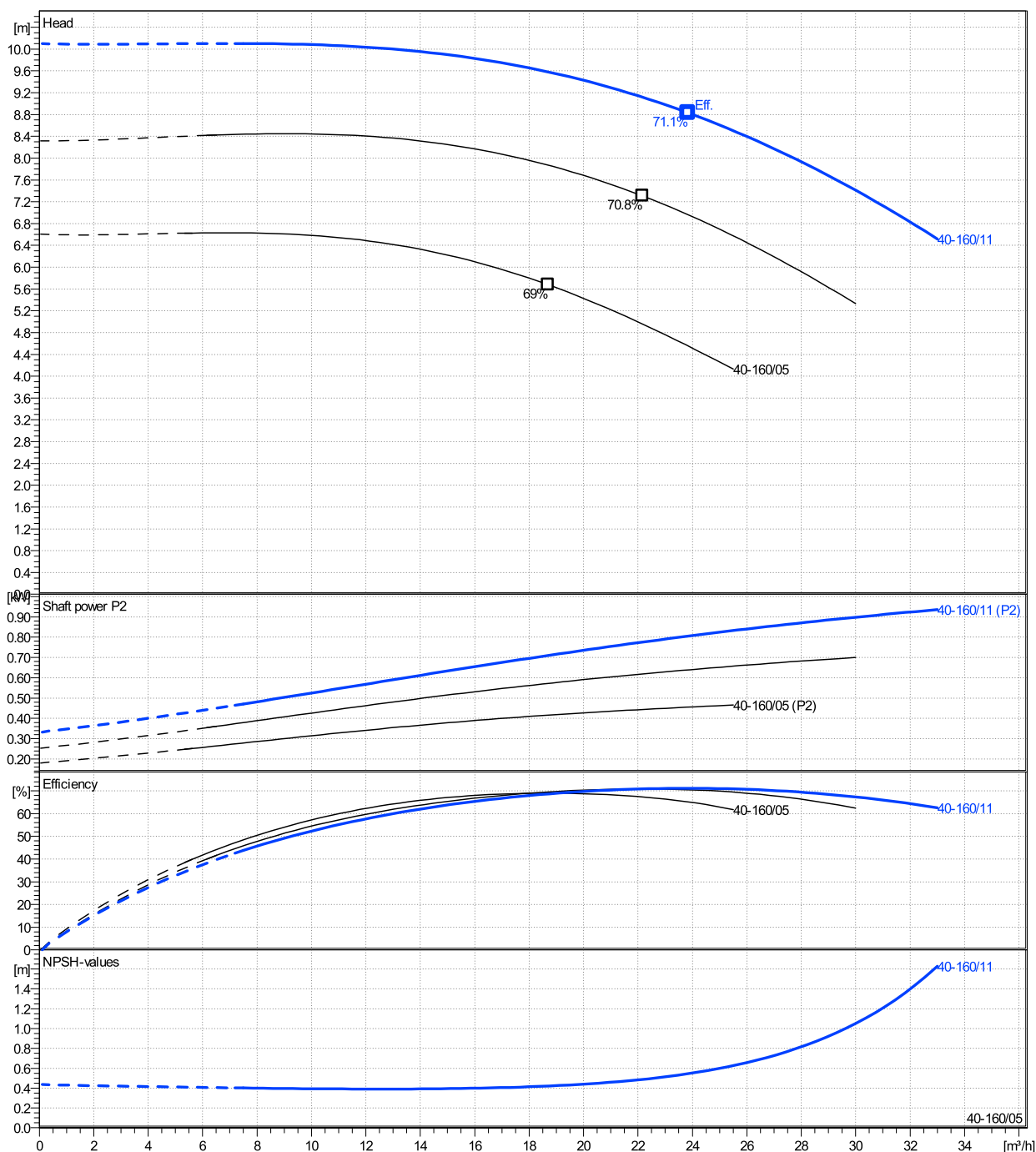
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	Max. m³/h	H(Q=0) m	Max. m	P2(Q=0) kW	Max. kW	Max. kW	Operating speed rpm	Nominal flow m³/h	
actual	165	7.5	33	23.8	10.1	8.83		0.872	0.805	1450	0	
Min.	0	/	/	18.7	6.6	5.68		/	0.416		0	
Max.	165	/	/	23.8	10.1	8.83		/	0.805		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: >=0,4



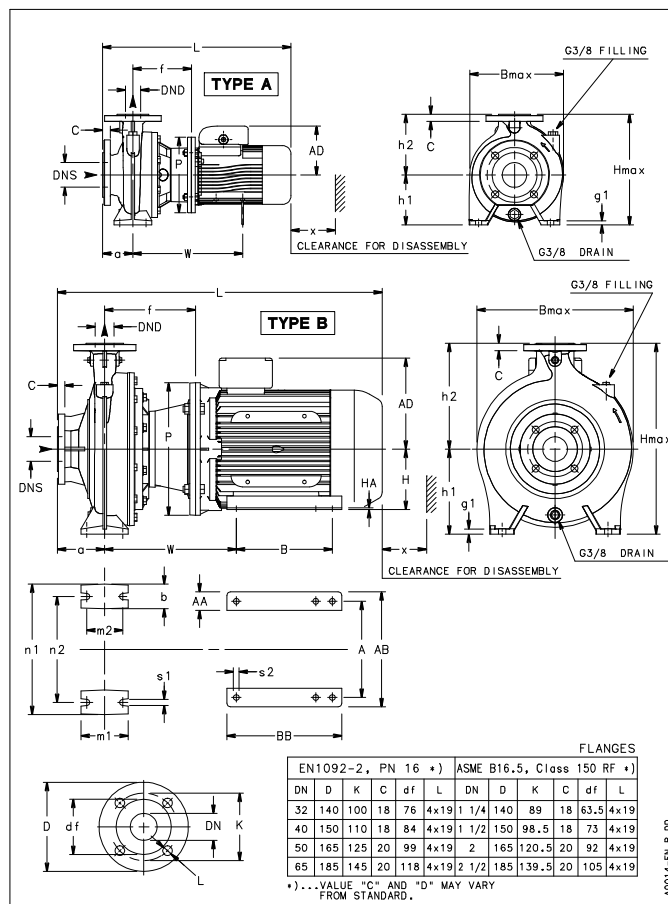
NSCS 40-160/11/P45RCS4

Dimensions

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Blockpump
4 poles motor
PLM 90 B5 1,1 kW

Electrical and dimensional data refer to IE3 motor



Dimensions [mm]

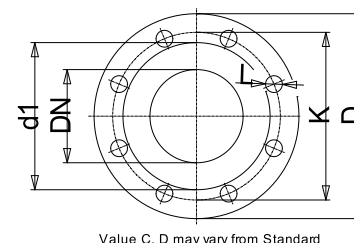
a	80		
AD	134		
b	50		
Bmax	250		
DNd	40		
DNs	65		
f	155		
g1	14		
h1	132		
h2	160		
Hmax	292		
L	533		
m1	100		
m2	70		
n1	240		
n2	190		
P	200		
s1	14		
Type	A		
Volumen	0.038909		
w	300		
x	92		

Weight

Total weight	43 kg
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Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 40	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	20	C	18
D	185	D	150
df	118	df	84
DN	65	DN	40
K	145	K	110
L	4 x 19	L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

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