

NSCE 50-250/150/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	2940 rpm	Stages	1
13	Suction nozzle	DN 65 / PN 16 / EN1092-2	Impeller Ø	Max. mm 232
14	Discharge nozzle	DN 50 / PN 16 / EN1092-2		designed mm 208
				Min. mm 208
15	Max. casing pressure	kPa	Flow	Nominal m³/h
16	Max. working pressure	kPa 583.8		Max- m³/h 91.2
17	Impeller type	Radial impeller		Min- m³/h 18.3
18	Head H(Q=0)	m 60	Head	Nominal m
19	Max. shaft power	kW 15.5		at Qmax m 35.3
20	Pump weight	kg		at Qmin m 59.4
21	Total weight	kg 132.0	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 - Ø28mm	BQ7EGG-WA
25	Impeller	Fabricated Stainless Steel	Mechanical seal diameter	28 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		
44	Type	PLM 160 B34 15 kW		
45	Rated power	15 kW	Rated current	26.6 A
46	Nominal speed	2940 rpm	Rated voltage	400 V
47	Frame size	160	Service factor	1
48	Weight	kg 102.0	Degree of protection	IP55

Remarks

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Performance curve

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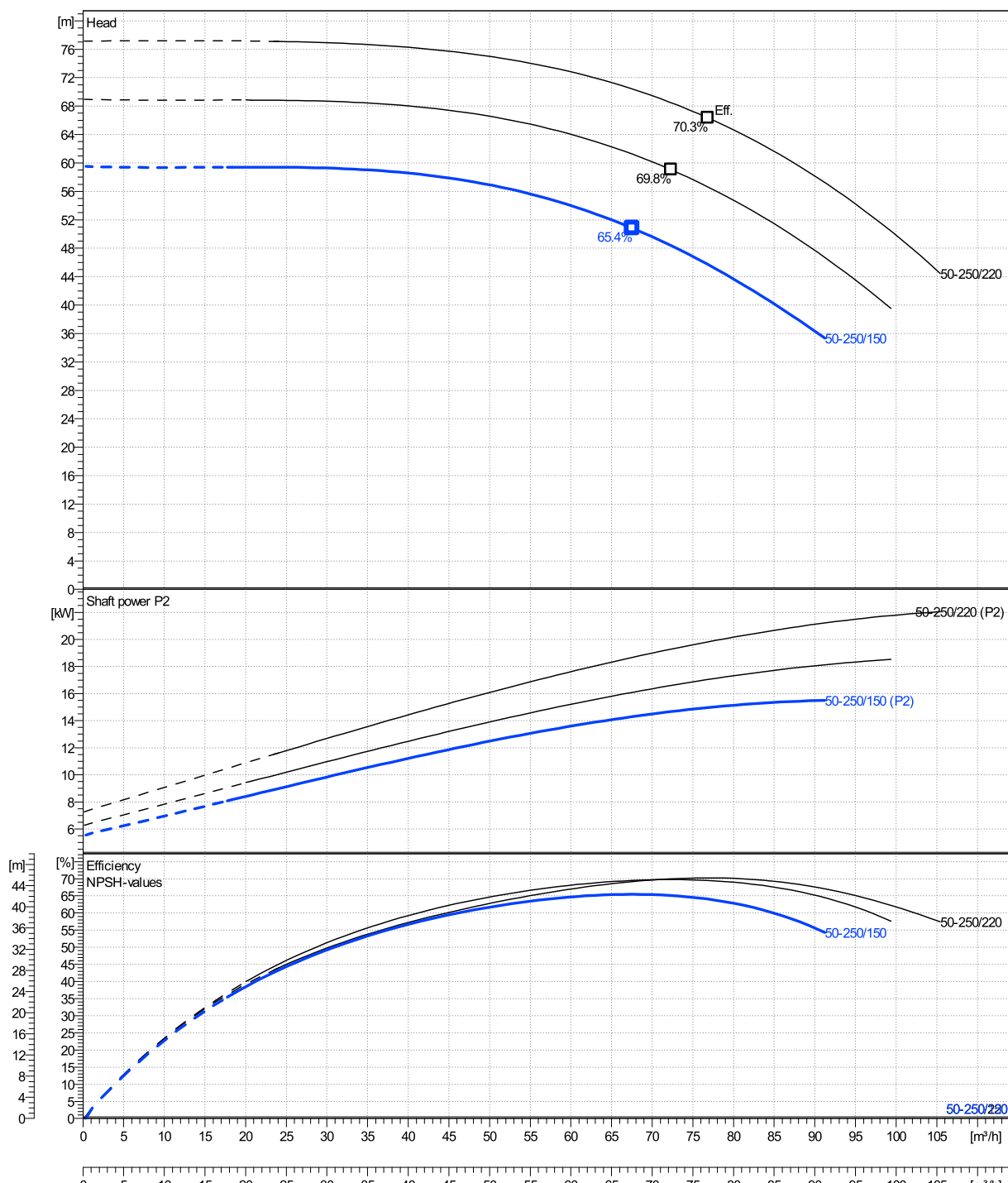
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	208	18.3	91.2	67.6	59.5	50.8		15.5	14.3	Nominal flow	m³/h	0
Min.	0	/	/	67.6	59.5	50.8		/	14.3	Nominal head	m	0
Max.	232	/	/	76.8	77.1	66.3		/	19.8	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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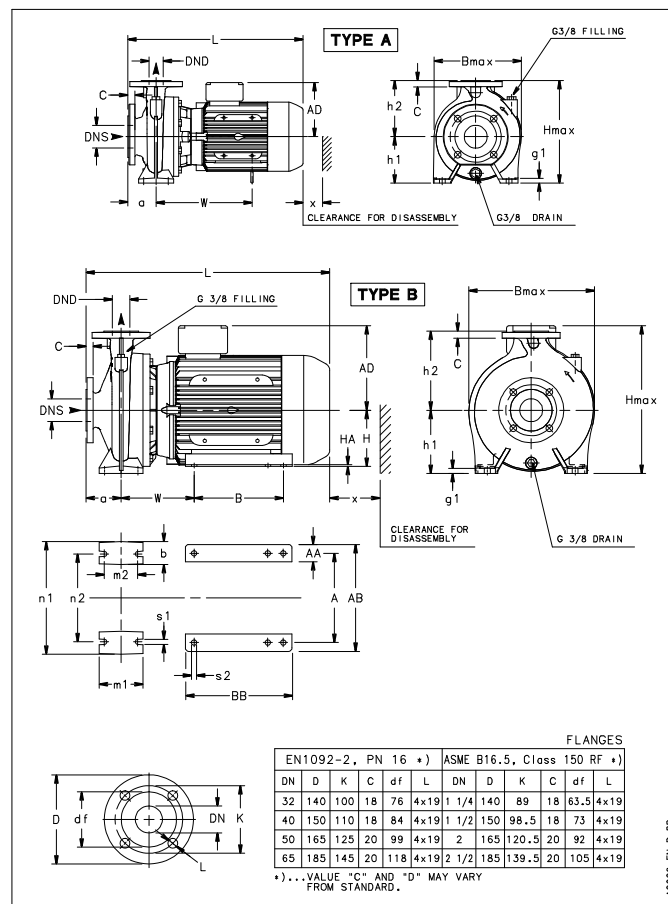
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Dimensions

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Extended shaft
2 poles motor
PLM 160 B34 15 kW

Electrical and dimensional data refer to IE3 motor



A0008-EN_B_DD

Dimensions [mm]

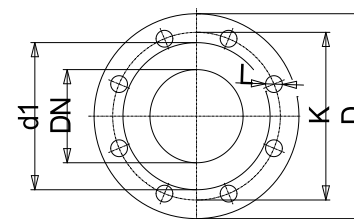
A (Motor)	254	Type	B
a	100	W	208
AA	49	x	110
AB	304		
AD	240		
B (Motor)	210		
B max	352		
b	65		
BB	304		
DND	50		
DNS	65		
g1	16		
H (Motor)	160		
H max	420		
h1	180		
h2	225		
HA	5		
L	694		
m1	125		
m2	95		
n1	320		
n2	250		
s1	14		
s2	15		

Weight

Total weight	132 kg
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Connections

Suction nozzle		Discharge nozzle	
DN 65		DN 50	
PN 16		PN 16	
EN1092-2		EN1092-2	
C	20	C	20
D	185	D	165
df	118	df	99
DN	65	DN	50
K	145	K	125
L	4 x 19	L	4 x 19



Value C, D may vary from Standard

Dimensions and weight without obligation

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