

NSCS150-315/150/L66UCC4

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	°F	39.2
3	Nominal flow	US g.p.m. 0	Max / Min Operating Temperature mech. Seal	°F	120 / -25
4	Nominal head	ft 0	pH-value at t A		7
5	Static head	ft 0	Density at t A	lb/ft³	62.4
6	Inlet pressure	psi 0	Kin. viscosity at t A	ft²/s	1.689E-5
7	Environmental temperature	°F 68	Vapor pressure at t A	psi	14.5
8	Available system NPSH	ft 0	Altitude		0

Pump data

9	Lubrication	42			
10	Execution	Standard Design (Type B)			
11	Design	Horizontal	Impeller Ø	Max.	inch 13 1/8
12	Operating speed	1175 rpm		designed	inch 11 7/16
13	Suction nozzle	DN200 / PN16 / EN1092-2		Min.	inch 10 3/8
14	Discharge nozzle	DN150 / PN10/16 / EN1092-2	Flow	Nominal	US g.p.m.
15	Max. casing pressure	psi		Max-	US g.p.m. 1915.2
16	Max. working pressure	psi 24.9		Min-	US g.p.m. 248.8
17	Impeller type	Radial impeller	Head	Nominal	ft
18	Head H(Q=0)	ft 57		at Qmax	ft 26.3
19	Max. shaft power	hp 19.8	Shaft power		hp
20	Pump weight	kg	Efficiency		%
21	Total weight	lb 674.6	NPSH 3%		ft

Materials

22		Pump			Shaft Seal
23	Volute Casing	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			Single mechanical seal, without shaft sleeve
24	Impeller	Cast Iron, EN 1561 - GJL-200, ASTM Class 30			eMG12 - Ø48mm
25	Casing Cover	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			BQ7EGG-WA
26	Shaft	Stainless steel, 1.4057, AISI 431			Mechanical seal diameter
27	Wear ring	Stainless steel, 1.4301, AISI 304			1 7/8 inch
28	Impeller lock nut and washer	A4 (1.4401)			1. Rotating ring
29	Impeller key	Stainless steel, 1.4571, AISI 316Ti			Carbon graphite resin impregnated
30	Fill and drain plugs	Galvanized carbon steel, EN 10277-3, AISI 1213 / 1215			2. Stationary ring
31	Bearing bracket	Cast Iron, EN 1561 - GJL-250, ASTM Class 35			SiC, silicon carbide, sintered press.less
32					3. Secondary seal
33					Ethylene propylene rubber (EPDM)
34					4. Springs
35					CrNiMo - Steel
36					5. Others
37					EPDM - WRAS
38					Gaskets of the pump
39					Ethylene propylene rubber (EPDM)
40					
41					

Motor data

Electrical and dimensional data refer to IE3 motor

42	Manufacturer	Lowara		
43	Specific design	IE3 3ph Flange Motor - Premium Efficiency		
44	Type	3MAS 180 L B35 15 kW		
45	Rated power	20.115 hp	Rated current	31.3 A
46	Nominal speed	1164 rpm	Rated voltage	380 V
47	Frame size	180 L	Service factor	1
48	Weight	lb 304.2	Degree of protection	IP55

Remarks

49	
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52	

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Block	NSCS150-315/900/L46UCC4 E4	Created on	1/10/2025		

NSCS150-315/150/L66UCC4

Performance curve

Company name
Contact
Phone number
e-mail address

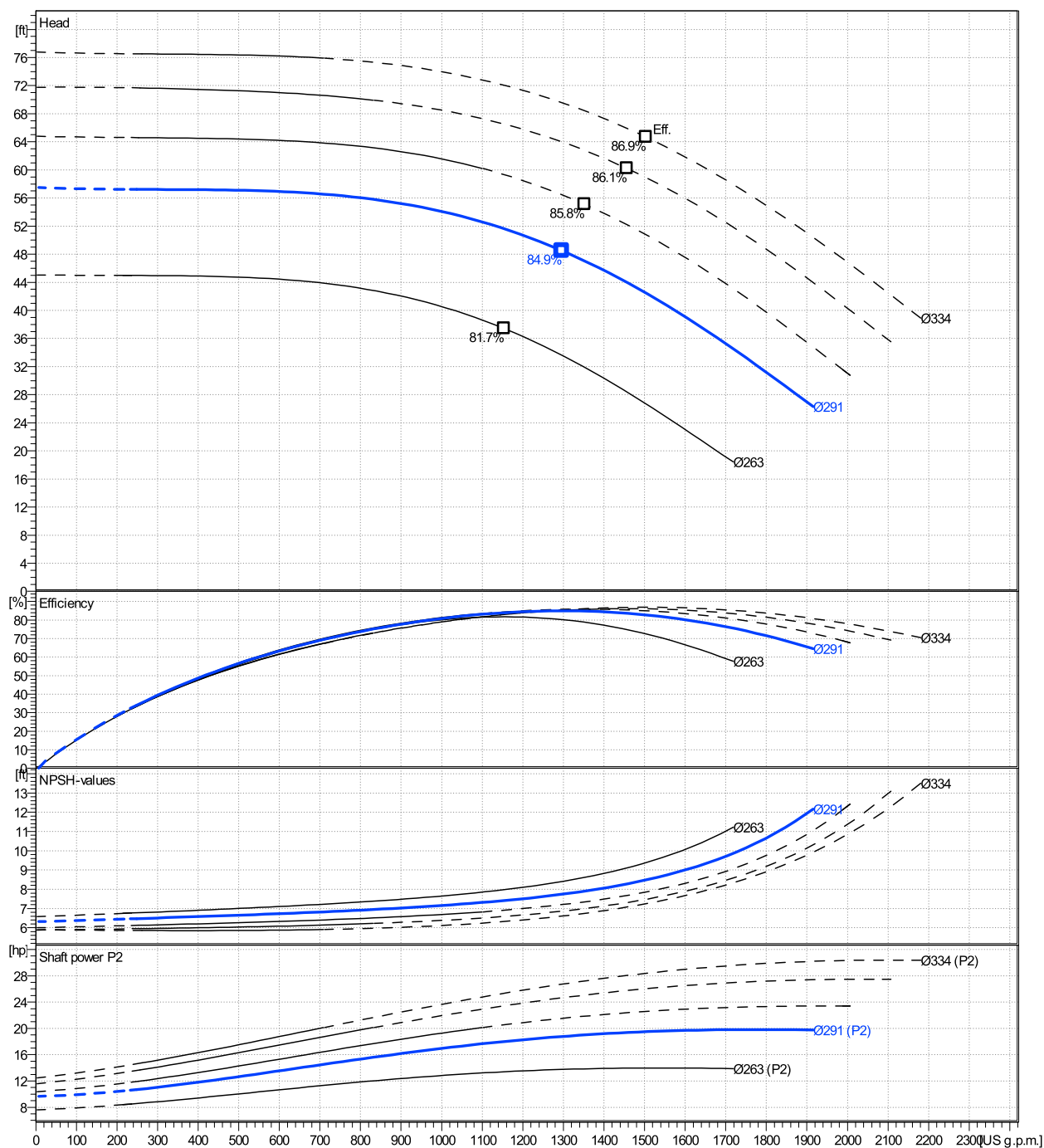
	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency	Hz	60
		Min. US g.p.m.	Max. US g.p.m.	Max. US g.p.m.	H(Q=0) ft	Max. ft	P2(Q=0) hp	Max. hp	Max. hp	Operating speed	rpm	1175
actual	11 7/16	249	1920	1300	57.5	48.5		19.8	18.8	Nominal flow	US g.p.m.	0
Min.	0	/	/	1150	45.1	37.4		/	13.4	Nominal head	ft	0
Max.	13 1/8	/	/	1500	76.8	64.7		/	28.4	Inlet pressure	psi	0
										Static head	ft	0

Power datas referred to:

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

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



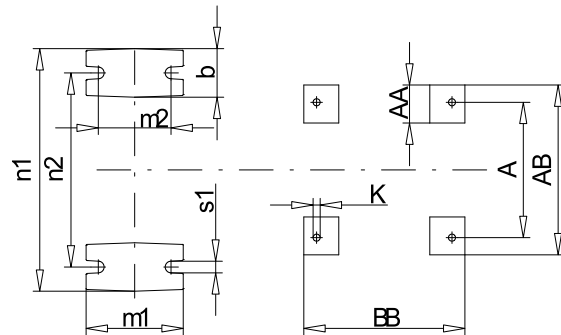
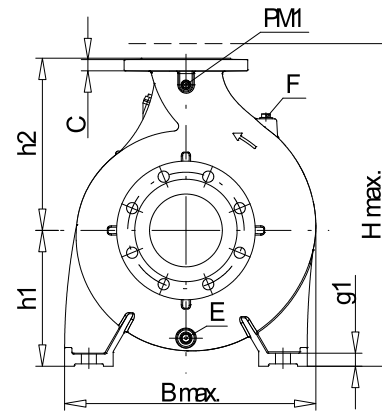
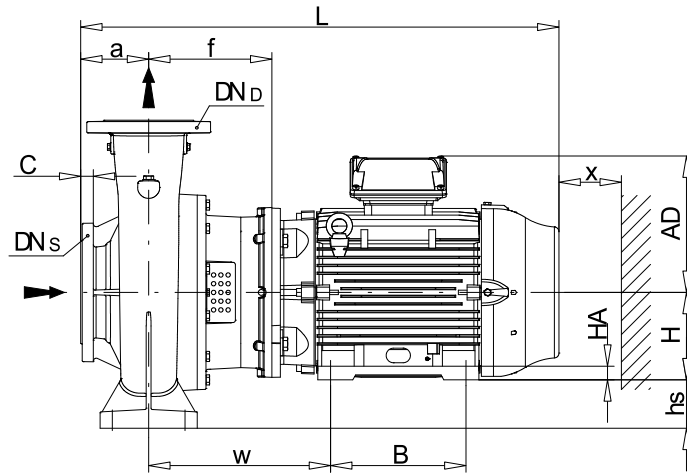
NSCS150-315/150/L66UCC4

Dimensions

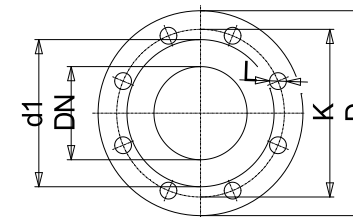
Company name
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Blockpump
Standard Design (Type B)
3MAS 180 L B35 15 kW

Electrical and dimensional data refer to IE3 motor



PM1...Pressure gauge connector
E....Drain
F....Filling



Value C, D may vary from Standard

Dimensions [inch]			
a	6 ⁵ / ₁₆	L	39 ⁹ / ₁₆
A	11	m1	7 ⁷ / ₈
AA	2 ¹ / ₂	m2	5 ⁷ / ₈
AB	14 ⁵ / ₁₆	n1	21 ⁵ / ₈
AD	10 ³ / ₈	n2	17 ¹¹ / ₁₆
b	3 ¹⁵ / ₁₆	P	13 ³ / ₄
B	11	PM1	1 ¹ / ₄ "
BB	12 ³ / ₄	s1	7 ⁷ / ₈
Bmax	23 ¹ / ₁₆	Trim	
CTO		Type	B
DNd	5 ⁷ / ₈	Volumen	1 ¹ / ₃₂
DNs	7 ⁷ / ₈	w	14 ³ / ₄
E	3 ³ / ₈ "	x	5 ¹ / ₂
f	10		
F	3 ³ / ₈ "		
g1	1 ¹ / ₃₂		
H	7 ¹ / ₁₆		
h1	11 ¹ / ₃₂		
h2	15 ³ / ₄		
h3			
HA	7 ⁷ / ₈		
Hmax	26 ³ / ₄		
hs	3 ¹⁵ / ₁₆		
K	9 ⁹ / ₁₆		

Weight

Total weight	306 kg
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Connections

Suction nozzle		Discharge nozzle	
DN200		DN150	
PN16		PN10/16	
EN1092-2		EN1092-2	
C	1 ³ / ₁₆	C	1 ¹ / ₃₂
D	13 ⁹ / ₁₆	D	11 ¹ / ₄
d1	10 ¹ / ₂	d1	8 ⁵ / ₁₆
K	11 ⁵ / ₈	K	9 ⁷ / ₁₆
L	7 ⁷ / ₈	L	7 ⁷ / ₈
Z	1 ¹ / ₂	Z	5 ⁵ / ₁₆

Dimensions and weight without obligation

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