

WDA Pompen BV

Hazenweg 2
NL-7556 BM Hengelo

Customer	Date	2017-08-16
Contact	Project	
Phone number	Project no.	
Email		

ESHS 40-200/55/P26PSSA

101871330

Operating data

Pumpe type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	K 277
Nominal flow	m ³ /h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/m ³ 1000
Static head	m 0	Kin. viscosity at t A	mm ² /s 1,569
Inlet pressure	kPa 9,8	Vapor pressure at t A	kPa 2,34
Environmental temperature	K 293	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	m ³ /h ()
Speed	1/min 3500	Flow Max-	m ³ /h 45
Number of stages	1	Min-	m ³ /h 18
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 426,4	Head at Qmax	m 23,9
Head H(Q=0)	m 43	at Qmin	m 42,6
Weight	kg	Shaft power	kW ()
	Max. mm 181	Max. shaft power	kW 5,5
Impeller R designed	mm 152	Efficiency	%
	Min. mm 152	NPSH 3%	m
Suction nozzle	DN 65 PN 12 EN1092-2 (e-SH)	Discharge nozzle	DN 40 PN 12 EN1092-2 (e-SH)

Pump Materials

Pump body	Stainless steel / AISI 316L
impeller	Stainless steel / AISI 316L
Seal casing	Stainless steel / AISI 316L
Wear ring	Stainless steel / AISI 316L
Counterwear ring	Stainless steel / AISI 316L
Rigid shaft coupling	Stainless steel / AISI 316
Impeller locknut and washer	Stainless steel / AISI 316
Tab	Stainless steel / AISI 316L
Fill/drain plugs	Stainless steel / AISI 316

Shaft Seal

Mechanical seal	
e-SH - uniten	Roten
Rotating Assembly	V-Ceramic
Fixed Assembly	B-Resin impregnated carbon
Elastomers	V-FKM (FPM)
Springs	G-AISI 316
Other Components	G-AISI 316

Motor data

Manufacturer	Lowara	Electric voltage	400 V
Specific design	IE3 Three phase surface motor		
Type	PLM132R.../355 E3	Electric current	10,4 A
Rated power	5,5 kW	Degree of protection	IP 55
Speed	3515 1/min	Insulation class	B
Frame size	132R	Weight	0 kg
Shaft diameter	0 mm	Colour	RAL 5010

Coupling

Manufacturer	
Series	
Type	
Frame size	
Spacer length	
Weight	
Coupling protection	

Base plate

Description	
Weight	

Remarks:

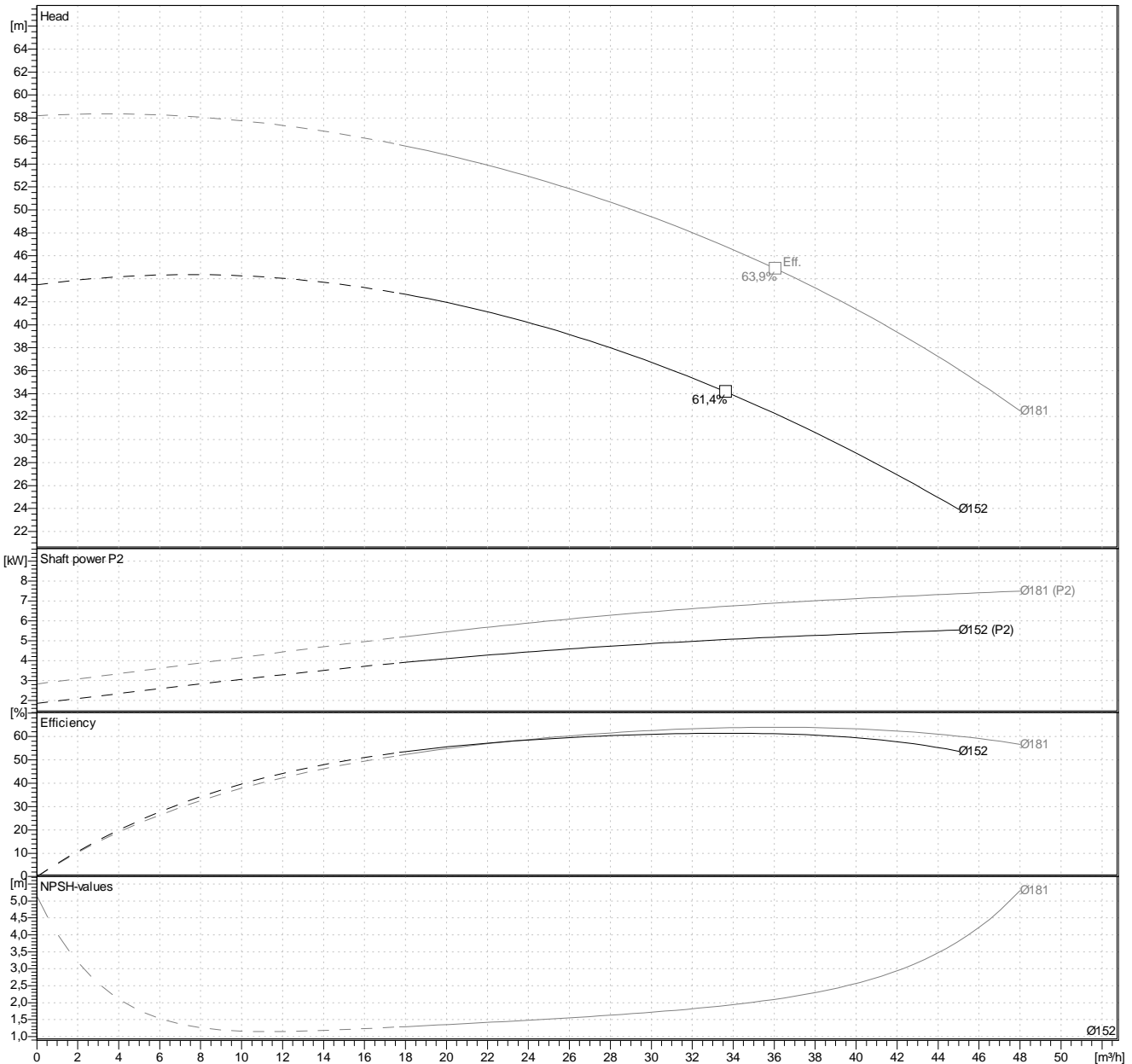
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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	152 mm
Head	0 m	Head		Frequency	60 Hz
Static head	0 m			Speed	3500 1/min

Power datas referred to:
 Water, pure [100%] ; 277K; 1000kg/m³; 1,57mm²/s
 Performance according to ISO 9906 - Annex A



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Dimensions mm/l

a	100		
B	300		
DNA	65		
DNM	40		
f	192		
h1	160		
h2	180		
Hmax	340		
k	100		
L	667		
n	230		
n1	130		
w1	399		
x	168		
		Total weight	63 kg

Connections mm

Suction nozzle	Discharge nozzle
DN 65	DN 40
PN 12	PN 12
EN1092-2 (e-SH)	EN1092-2 (e-SH)

D	185	D	150
Dia. Holes	18	Dia. Holes	18
DN	65	DN	40
G	104	G	68
M	145	M	110
Max thickness	18	Max thickness	16
N° Holes	4	N° Holes	4

Drawing

