

Customer	Date	2017-04-28
Contact	Project	
Phone number	Project no.	
Email		

ESHE 25-200/05/S45RSSA

Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
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 0	Vapor pressure at t A	kPa 100
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	m ³ /h ()
Speed	rpm 1450	Flow	Max- m ³ /h 14.5
Number of stages	1	Min-	m ³ /h 4.5
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 117.4	Head	at Qmax m 5.8
Head H(Q=0)	m 12	at Qmin	m 10.9
Weight	kg	Shaft power	kW ()
Max.	mm 195	Max. shaft power	kW .5
Impeller R	designed mm 195	Efficiency	%
Min.	mm 178	NPSH 3%	m
Suction nozzle	DN 50 PN 12 EN1092-2 (e-SH)	Discharge nozzle	DN 25 PN 12 EN1092-2 (e-SH)

Pump Materials

Pump body	Stainless steel / AISI 316L
impeller	Stainless steel / AISI 316L
SEAL HOUSING	Stainless steel / AISI 316L
WEAR RING	Stainless steel / AISI 316L
Counterwear ring	Stainless steel / AISI 316L
Shaft extension	Stainless steel / AISI 316
Rigid shaft coupling	Stainless steel / AISI 316
Impeller locknut and washer	Stainless steel / AISI 316
Tab	Stainless steel / AISI 316L

Shaft Seal

Single 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	Three phase surface motor		
Type	SM490R.../305	Electric current	1.75 A
Rated power	0.55 kW	Degree of protection	IP 55
Speed	1400 rpm	Insulation class	F
Frame size	90R	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:

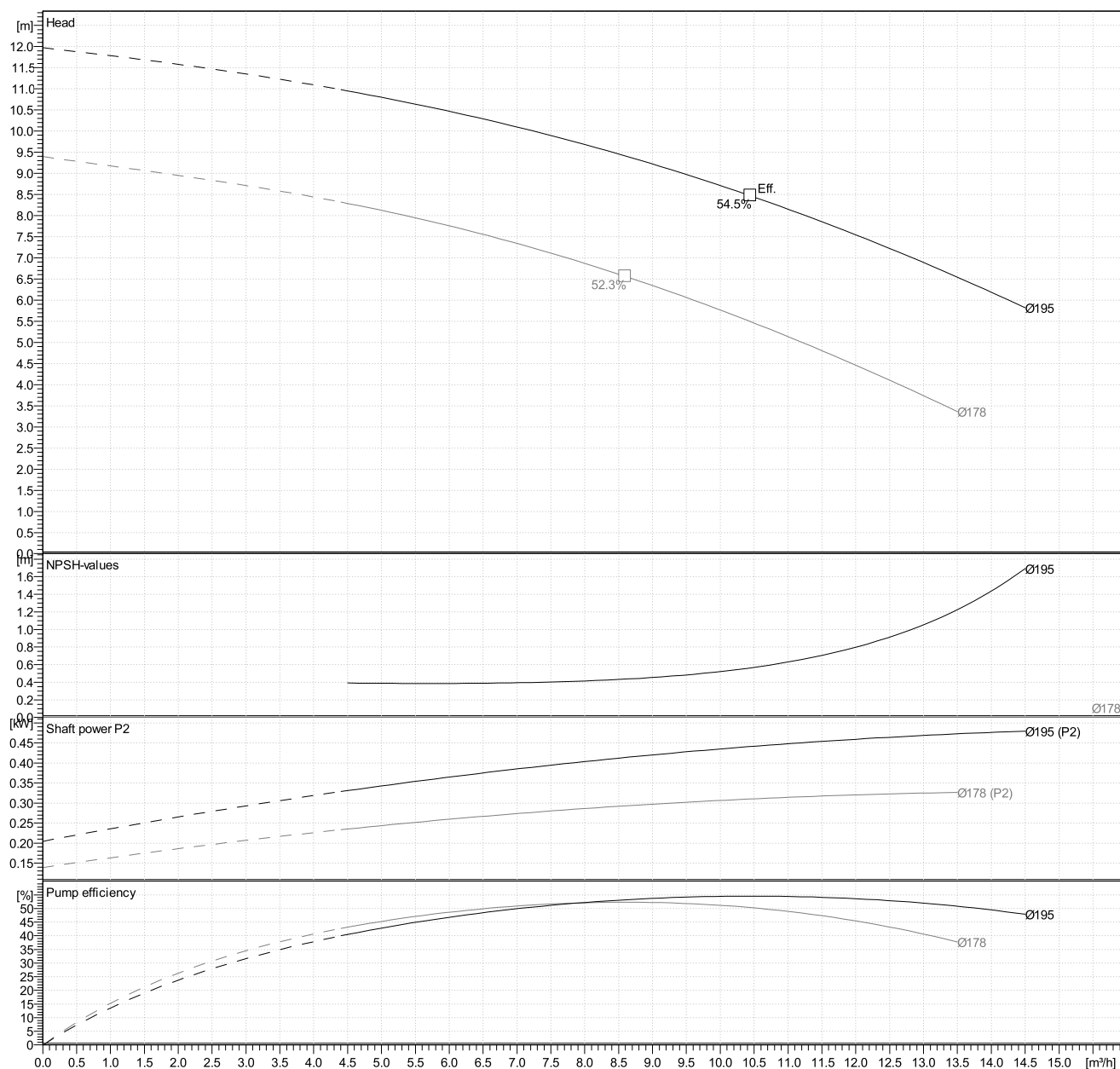
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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)	Impeller design	
Flow	0 m ³ /h	Flow	Impeller R	195 mm
Head	0 m	Head	Frequency	50 Hz
Static head	0 m	MEI >=0,4	Speed	1450 rpm

Power data referred to:
Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906 - Annex A



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Dimensions mm/l

a	80		
B	284		
DNA	50		
DNM	25		
h1	160		
h2	180		
Hmax	340		
k	98		
L	443		
n	230		
n1	130		
x	129		
		Total weight	27 kg

Connections mm

Suction nozzle	Discharge nozzle
DN 50	DN 25
PN 12	PN 12
EN1092-2 (e-SH)	EN1092-2 (e-SH)

D	165	D	115
Dia. Holes	18	Dia. Holes	18
DN	50	DN	25
G	83	G	56
M	125	M	85
Max thickness	18	Max thickness	16
N° Holes	4	N° Holes	4

Drawing

