

Customer	Date	11/9/2017
Contact	Project	
Phone number	Project no.	
Email		

ESHE 65-160/55/P25VSSZ

Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m³/h 60	pH-value at t A	7
Nominal head	m 20	Density at t A	kg/dm³ 1
Static head	m 0	Kin. viscosity at t A	mm²/s 1.569
Inlet pressure	bar 0	Vapor pressure at t A	bar 1
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 0

Pump data

Make	Lowara	Nominal	m³/h 60.3 (60.3)
Speed	1/min 2900	Flow	Max- m³/h 114
No. of stages	1	Min-	m³/h 34
Max. casing pressure	bar	Nominal	m 20.2
Max. working pressure	bar 2.4	Head	at Qmax m 7.2
Head H(Q=0)	m 25	at Qmin	m 23.8
Weight	kg	Shaft power	kW 4.5 (4.5)
Max.	mm 176	Max. shaft power	kW 4.9
Impeller R	designed mm 140	Efficiency	% 74.28
Min.	mm 127	NPSH 3%	m
Suction flange	DN 80 PN 12 EN1092-2 (e-SH)	Discharge flange	DN 65 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	Roten
e-SH - uniten	
Rotating Assembly	Q1-Silicon carbide
Fixed Assembly	Q1-Silicon carbide
Elastomers	E - EPDM
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	PLM112.../355 E3	Electric current	10.5 A
Rated power	5.5 kW	Degree of protection	IP 55
Speed	2900 1/min	Insulation class	F
Frame size	112	Weight	38 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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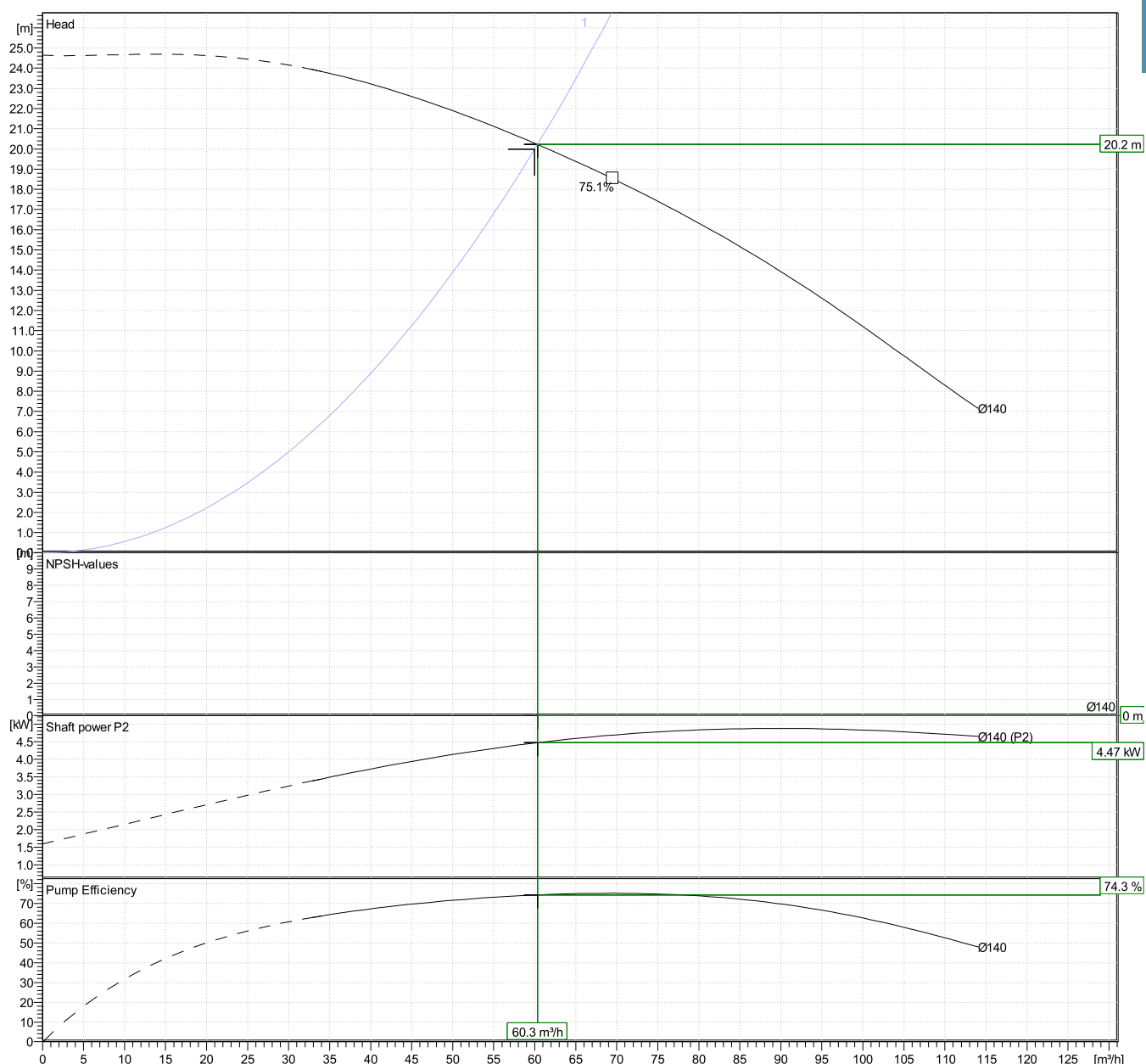
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	60 m ³ /h	Flow	60.3 m ³ /h	Impeller R	140 mm
Head	20 m	Head	20.2 m	Frequency	50 Hz
Static head	0 m	MEI >=0,4		Speed	2900 1/min

Power data referred to:

Water, pure [100%] ; 4°C; 1kg/dm³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B



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Dimensions mm/m³

a	100		
B	310		
DNA	80		
DNM	65		
h1	160		
h2	200		
Hmax	360		
k	130		
L	553		
n	245		
n1	130		
x	168		
Total weight		63 kg	

Connections mm

Suction flange	Discharge flange
DN 80	DN 65
PN 12	PN 12
EN1092-2 (e-SH)	EN1092-2 (e-SH)

D	200	D	185
Dia. Holes	18	Dia. Holes	18
DN	80	DN	65
G	114	G	104
M	160	M	145
Max thickness	20	Max thickness	18
N° Holes	8	N° Holes	4

Drawing

