

**M/S Varmine H2O Solutions**

Office No-402, Block-16, Street No-13,
INDIA-110005 NEW DELHI
9999362006
sales@vh2os.com

Customer Contact	Date	5/17/2021
Phone number	Project	
Email	Project no.	

ESHE 50-125/40/P25VSSA**Operating data**

Pump type	Single head pump	Fluid	CED Paint
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m ³ /h 40	pH-value at t A	7
Nominal head	m 20	Density at t A	kg/dm ³ 0.004
Static head	m 0	Kin. viscosity at t A	mm ² /s 80
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

Speed	1/min 2900	Flow	Nominal m ³ /h 40 (40)
No. of stages	1		Max- m ³ /h 78.4
Max. casing pressure	bar		Min- m ³ /h 33.6
Max. working pressure	bar	Head	Nominal m 20
Head H(Q=0)	m 25		at Qmax m 9.1
Weight	kg		at Qmin m 21.3
	Max. mm 131	Shaft power	kW .0 (.0)
Impeller R designed	mm 131	Max. shaft power	kW .0
	Min. mm 114	Efficiency	% 59.6
Suction flange	DN 65 PN 12 EN1092-2 (e-SH)	NPSH 3%	m 1.6
		Discharge flange	DN 50 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 316L
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	V-Ceramic
Rotating Assembly	B-Resin impregnated carbon
Fixed Assembly	V-FKM (FPM)
Elastomers	G-AISI 316
Springs	G-AISI 316
Other Components	G-AISI 316

Motor data

Specific design	IE3 Three phase surface motor		
Type	PLM112R.../340 E3		
Rated power	4 kW	Electric voltage	400 V
Speed	2900 1/min	Electric current	7.62 A
Frame size	112R	Degree of protection	IP 55
Shaft diameter	0 mm	Insulation class	F
Colour	RAL 5010	Weight	27 kg

Coupling

Manufacturer	
Series	
Type	
Frame size	
Spacer length	
Weight	
Coupling protection	

Base plate

Description	
Weight	

Remarks:



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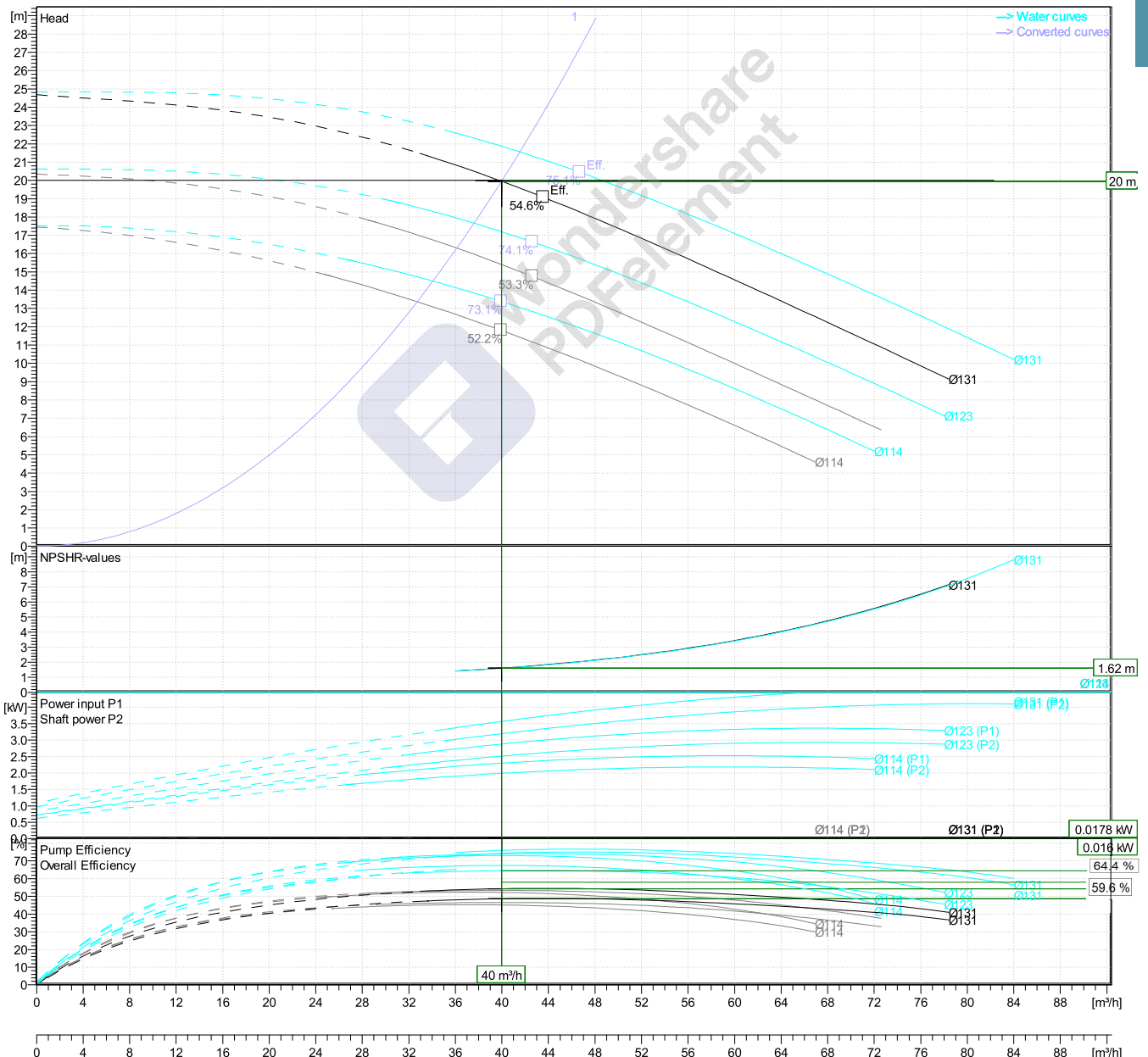
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ESHE 50-125/40/P25VSSA

Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	40 m ³ /h	Flow	40 m ³ /h	Impeller R	131 mm
Head	20 m	Head	20 m	Frequency	50 Hz
Static head	0 m	MEI	>=0,4	Speed	2900 1/min

Power data referred to:
 CED Paint [100%] ; 4°C; 0.004kg/dm³; 80mm²/s
 Performance according to ISO 9906:2012 – Grade 3B





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Dimensions mm/m³

a	100		
B	253		
DNA	65		
DNM	50		
h1	132		
h2	160		
Hmax	292		
k	104		
L	519		
n	210		
n1	130		
x	154		
		Total weight	40 kg

Connections mm

Suction flange	Discharge flange
DN 65	DN 50
PN 12	PN 12
EN1092-2 (e-SH)	EN1092-2 (e-SH)

D	185	D	165
Dia. Holes	18	Dia. Holes	18
DN	65	DN	50
G	104	G	83
M	145	M	125
Max thickness	18	Max thickness	18
N° Holes	4	N° Holes	4

Drawing

