

Customer	Date	1/6/2021
Contact	Project	
Phone number	Project no.	
Email		

## 5HM09S11M5HVBE

104605821

### Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m <sup>3</sup> /h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/m <sup>3</sup> 1000
Static head	m 0	Kin. viscosity at t A	mm <sup>2</sup> /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 0

### Pump data

Make	Lowara	Nominal	m <sup>3</sup> /h ( )
Speed	rpm 2900	Flow	Max- m <sup>3</sup> /h 8.5
Number of stages	9		Min- m <sup>3</sup> /h
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 655.8	Head	at Qmax m 24.6
Head H(Q=0)	m 67		at Qmin m 66.9
Weight	kg 17	Shaft power	kW ( )
	Max. mm 73	Max. shaft power	kW 1.1
Impeller R	designed mm 73	Efficiency	%
	Min. mm 73	NPSH 3%	m

### Pump Materials

Head	Stainless steel / AISI 304
Impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 316
Adapter	Aluminium
Ring with foot	Aluminium
SEAL HOUSING	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Fill / drain plugs	Stainless steel / AISI 316
Tie rods	Stainless steel / AISI 431
Wear Ring	Technopolymer

### Shaft Seal

e-HM Mechanical seal	Roten
e-HM - Roten	
1 - Rotating part	Aluminium oxide (Ceramic)
2 - Stationary part	Carbon, resin-impregnated
3 - Elastomers	EPDM
4 - Springs	AISI 316
5 - Other components	AISI 316

### Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2800 rpm	Insulation class	155 (F)
Specific design	Single phase surface motor			Frame size	80	Colour	RAL 5010
Type	SM80HM../1115 [5H] = 220-240V						
Rated power	1.1 kW	Degree of protection	IP55				
Electric current	6.88 A						

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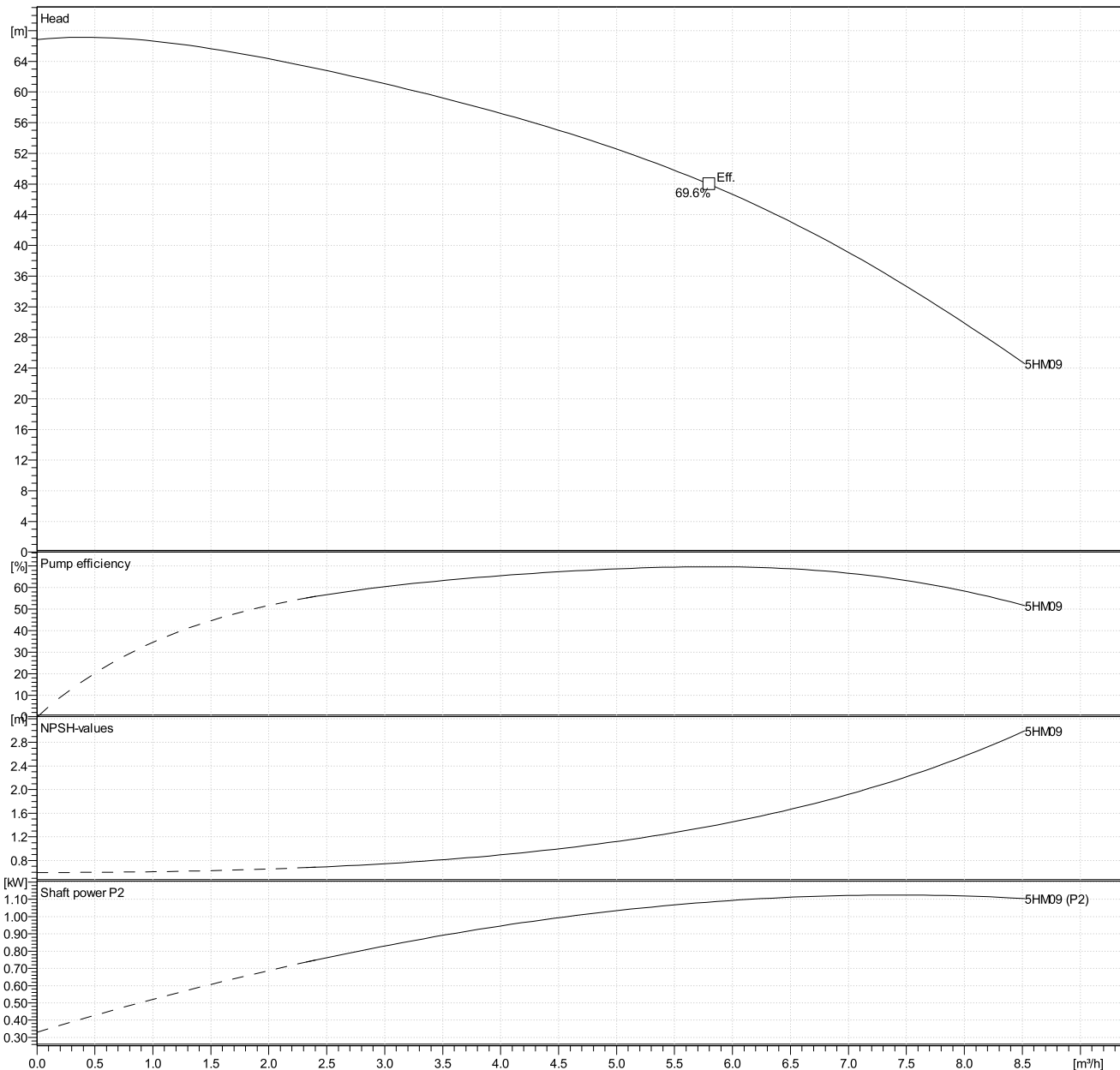
#### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m <sup>3</sup> /h	Flow		Impeller R	73 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m			Speed	2900 rpm

#### Power data referred to:

Water [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B

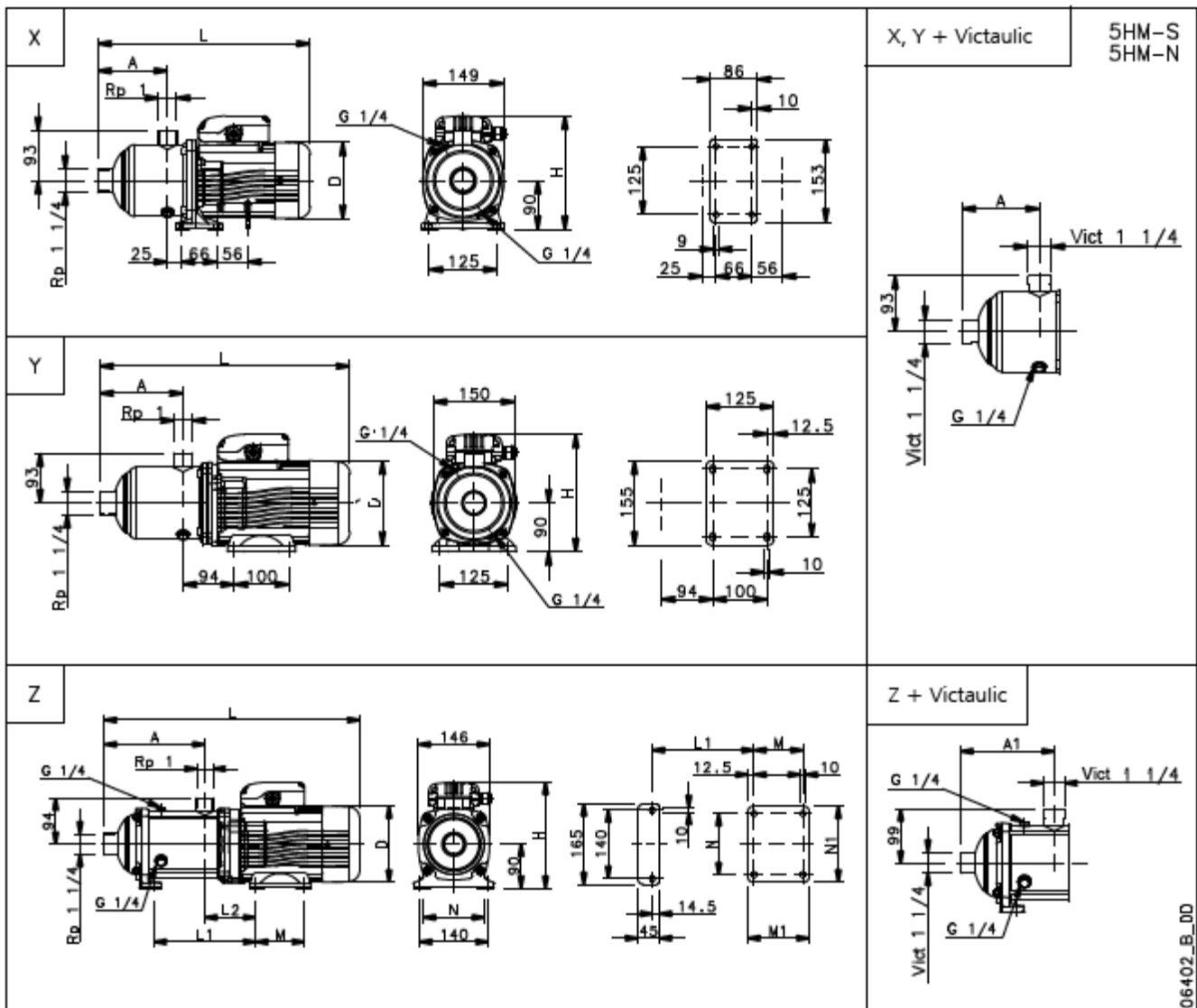


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### Drawing



### Dimensions mm

A	233	M1	125			Weight 17 kg
A1	231.3	N	125			
D	155	N1	155			
Drawing	Z	PN	10			
H	227					
L	550					
L1	233					
L2	104					
M	100					