

Customer Contact	Date	1/14/2021
Phone number	Project	
Email	Project no.	

## 3SV14N015M

1016L2354

### Operating data

Pump type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	l/s 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	l/s ( )
Speed	rpm 2900	Flow Max-	l/s 1.2
Number of stages	14	Min-	l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 1035.4	Head at Qmax	m 47.8
Head H(Q=0)	m 110	at Qmin	m 105.6
Weight	kg 28	Shaft power	kW ( )
Max.	m 124.4	Max. shaft power	kW 1.3
Impeller R designed	m 124.4	Efficiency	%
Min.	m 124.4	NPSH 3%	m

### Pump Materials

Pump body	Stainless steel / AISI 316L
Impeller	Stainless steel / AISI 316L
Diffuser	Stainless steel / AISI 316L
Outer sleeve	Stainless steel / AISI 316L
Shaft	Stainless steel / AISI 316
Adapter	Cast iron
Base	Aluminium
Coupling	Aluminium
SEAL HOUSING	Stainless steel / AISI 316L
Coupling protection	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 PPS

### Shaft Seal

e-SV Mechanical seal	Roten
e-SV - Uniten (-30 / +120 °C)	
1 - Rotating part	Silicon Carbide
2 - Stationary part	Resin impregnated carbon
3 - Elastomers	EPDM
4 - Springs	AISI 316
5 - Other components	AISI 316

### Motor data

Manufacturer	Lowara	Electric voltage	230 V	Speed	2810 rpm	Insulation class	155 (F)
Specific design	Single phase surface motor (e-SV)			Frame size	90R	Colour	RAL 5010
Type	SM90RB14/115 (220-240V)						
Rated power	1.5 kW	Degree of protection IP55					
Electric current	8.58 A						

### Remarks:

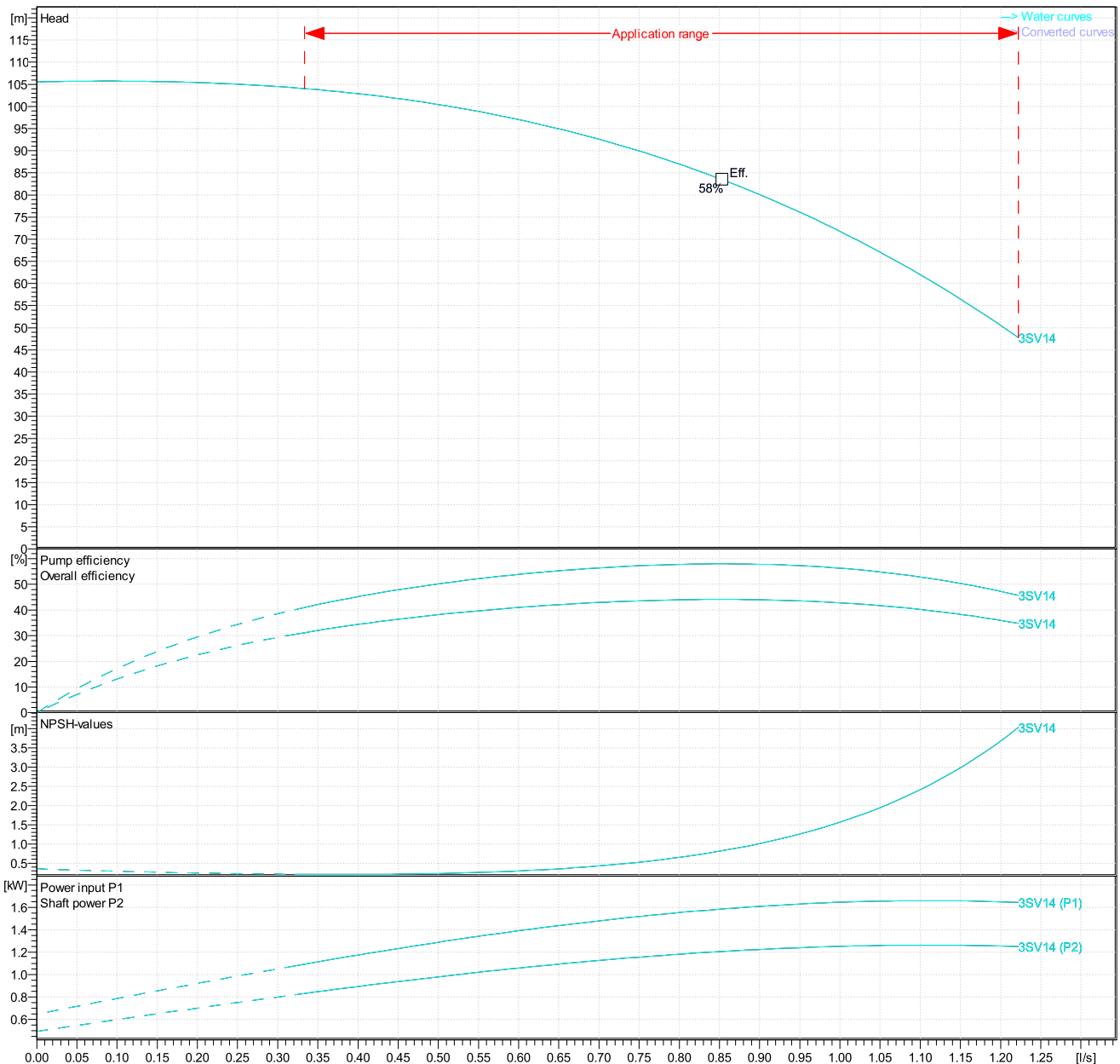
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## 3SV14N015M 1016L2354

### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 l/s	Flow		Impeller R	124.41 m
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 rpm

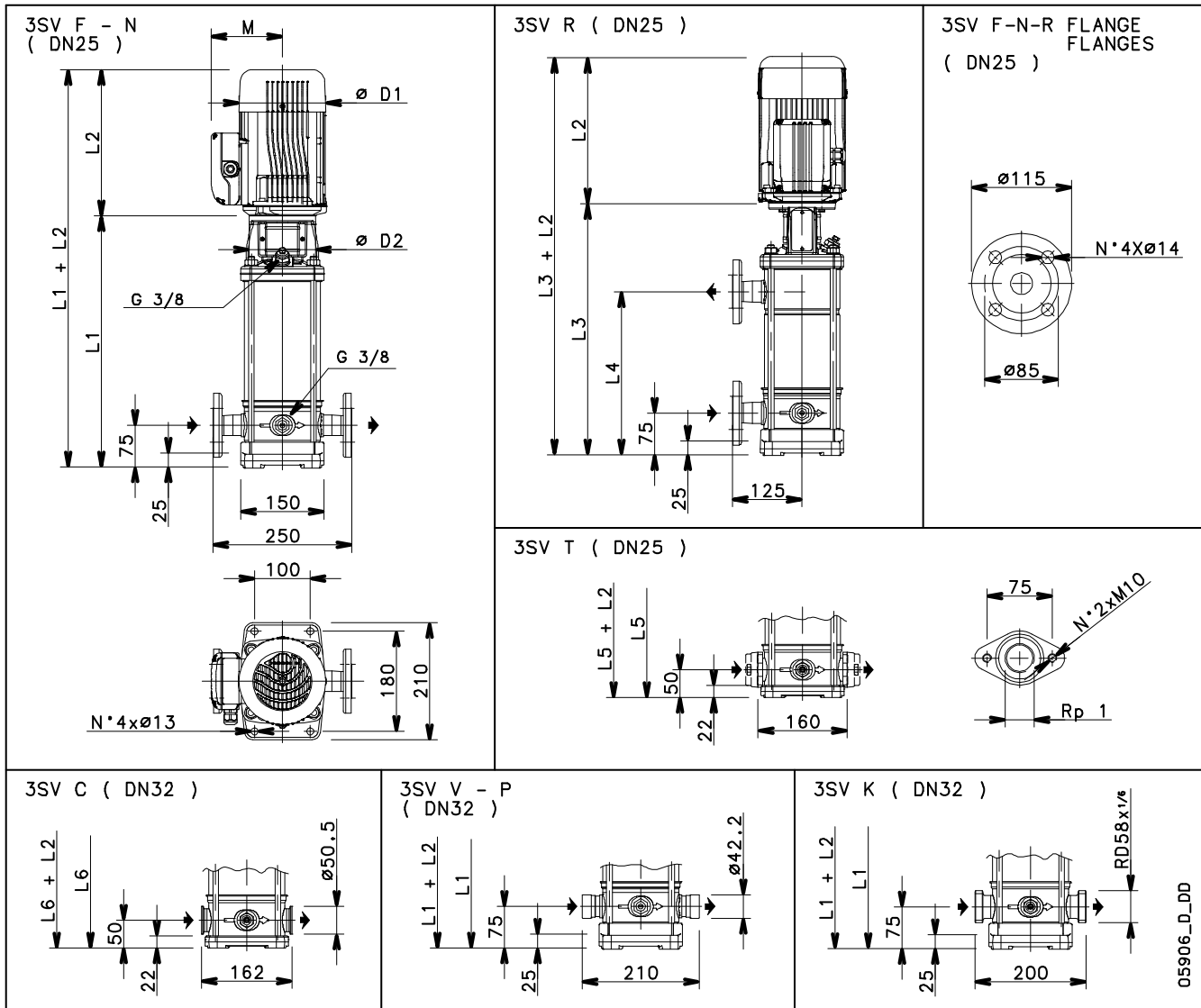
Power data referred to:  
 Water, pure [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s  
 Performance according to ISO 9906:2012 – Grade 3B



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**Drawing**



**Dimensions m**

D1	244.09					Weight 27.5 kg
D2	220.47					
L1	815.75					
L2	414.17					
L3	815.75					
L4	546.46					
L5	776.38					
L6	776.38					
M	215.75					

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