



Customer	Date	2015-05-06
Contact	Project	
Phone number	Project no.	
Email		

### 3SV05F0024T

1016L3331

#### Operating data

Pump type	Single head pump	Fluid	Water
No. of pumps / Reserve	1 / 0	Operating temperature t A	K 277
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	K 293	Solids	0
Available system NPSH	m 0	Altitude	m 1000

#### Pump data

Make	Lowara	Nominal	l/s ( )
Speed	1/min 1450	Flow	Max- l/s .6
Number of stages	5	Min-	l/s
Max. casing pressure	kPa	Nominal	m
Max. working pressure	kPa 92.9	Head	at Qmax m 4.5
Head H(Q=0)	m 9.5	at Qmin	m 9.5
Weight	kg 17	Shaft power	kW ( )
Impeller R	Max. mm 79	Max. shaft power	kW .1
	designed mm 79	Efficiency	%
	Min. mm 79	NPSH 3%	m

#### Pump Materials

Pump body	Stainless steel / AISI 304
impeller	Stainless steel / AISI 304
Diffuser	Stainless steel / AISI 304
Outer sleeve	Stainless steel / AISI 304
Shaft	Stainless steel / AISI 304
Adapter	Cast iron
Coupling	Aluminium
Seal casing	Stainless steel / AISI 304
Coupling protection	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Fill / drain plugs	Stainless steel / AISI 304
Tie rods	Stainless steel
Base	Aluminium
Wear ring	Technopolymer PPS

#### Shaft Seal

Single seal	Roten
SV - Uniten	
Rotating Assembly	Q1-Silicon carbide
Fixed Assembly	B-Resin impregnated carbon
Elastomers	E - EPDM
Springs	G-AISI 316
Other Components	G-AISI 316

#### Motor data

Manufacturer	Lowara	Electric voltage	220 V	Speed	1400 1/min	Insulation class	F
Specific design	Three phase surface motor			Frame size	71	Colour	RAL 5010
Type	SM471.../302	Electric current	1.68 A				
Rated power	0.25 kW	Degree of protection	IP 55				

#### Remarks:



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#### Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 l/s	Flow		Impeller R	79 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI ---		Speed	1450 1/min

Power data referred to:  
Water [100%] ; 277K; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s  
Performance according to ISO 9906 - Annex A



