

Customer	Date	31.07.2023 r.
Contact	Project	
Phone number	Project no.	
Email		

5SV13F022T

1016LC901

Operating data

Pumpe type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m ³ /h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/dm ³ 1
Static head	m 0	Kin. viscosity at t A	mm ² /s 1,569
Inlet pressure	psi 1,4	Vapor pressure at t A	psi 0,12
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Lowara	Nominal	m ³ /h ()
Speed	1/min 2900	Flow	Max- m ³ /h 8,5
Number of stages	13	Min-	m ³ /h
Max. casing pressure	psi	Nominal	m
Max. working pressure	psi 139,8	Head	at Qmax m 42,9
Head H(Q=0)	m 98		at Qmin m 98,3
Weight	kg 33	Shaft power	kW ()
	Max. mm 76	Max. shaft power	kW 1,8
Impeller R	designed mm 76	Efficiency	%
	Min. mm 76	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
Base	Aluminium
Coupling	Aluminium
SEAL HOUSING	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	Galvanized steel
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	220 V	Speed	2900 1/min	Insulation class	155 (F)
Specific design	IE3 Three phase surface motor (e-SV)			Frame size	90	Colour	RAL 5010
Type	PLM90B14/322 E3 (220-240/380-415V)						
Rated power	2,2 kW	Degree of protection	IP55				
Electric current	7,97 A						

Remarks:

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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m ³ /h	Flow		Impeller R	76 mm
Head	0 m	Head		Frequency	50 Hz
Static head	0 m	MEI >=0,7		Speed	2900 1/min

Power datas referred to:
Water, pure [100%]; 4°C; 1kg/dm³; 1,57mm²/s
 Performance according to ISO 9906:2012 – Grade 3B



