

Customer	Date	2015-11-05
Contact	Project	
Phone number	Project no.	
Email		

5SV21F030T

RSK 5883010

1016LC981

Operating data

Pumpe type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	m³/h 0	pH-value at t A	7
Nominal head	m 0	Density at t A	kg/dm³ 1
Static head	m 0	Kin. viscosity at t A	mm²/s 1,569
Inlet pressure	bar 0,098	Vapor pressure at t A	bar 0,0234
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 1000

Pump data

Make	Low ara	Nominal	m³/h ()
Speed	1/min 2900	Max-	m³/h 8,5
Number of stages	21	Min-	m³/h
Max. casing pressure	bar	Nominal	m
Max. working pressure	bar 15,5	Head at Qmax	m 65,8
Head H(Q=0)	m 160	Head at Qmin	m 157,9
Weight	kg 40	Shaft power	kW ()
Max.	mm 76	Max. shaft power	kW 3
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
Coupling	Aluminium
Seal casing	Stainless steel / AISI 304
Elastomers	EPDM
Coupling protection	Stainless steel / AISI 304
Shaft sleeve and bushing	Tungsten carbide
Fill / drain plugs	Stainless steel / AISI 304
Base	Aluminium
Wear ring	Technopolymer PPS
Tie rods	Stainless steel

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	Low ara	Electric voltage	400 V	Speed	2910 1/min	Insulation class	F
Specific design	IE3 Three phase surface motor			Frame size	100	Colour	RAL 5010
Type	PLM100.../330 E3	Electric current	5,79 A				
Rated power	3 kW	Degree of protection	IP 55				

Remarks:

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Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	0 m³/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 - Annex A



