

5SV21F030T

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

Pumpe type	Single head pump	Fluid	Water, pure
No. of pumps / Reserve	1 / 0	Operating temperature t A	°C 4
Nominal flow	l/s 1,54	pH-value at t A	7
Nominal head	m 121	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 0,0083
Environmental temperature	°C 20	Solids	0
Available system NPSH	m 0	Altitude	m 0

Pump data

Make	Lowara	Nominal	l/s 1,5 (1,5)
Speed	1/min 2900	Flow	Max- l/s 2,4
Number of stages	21	Min-	l/s
Max. casing pressure	bar	Nominal	m 121,5
Max. working pressure	bar 15,6	Head	at Qmax m 66,7
Head H(Q=0)	m 160	at Qmin	m 157,9
Weight	kg 40	Shaft power	kW 2,7 (2,7)
Max.	mm 76	Max. shaft power	kW 2,9
Impeller R	designed mm 76	Efficiency	% 68,61
Min.	mm 76	NPSH 3%	m 1,7

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 PLM	Electric voltage	400 V	Speed	2865 1/min	Insulation class	F
Specific design	IE3 3ph Flange Motor			Frame size	90 S	Colour	RAL 5010
Type	PLM 90 B14 3 kW						
Rated power	3 kW	Degree of protection	IP55				
Electric current	6,33 A						

Remarks:

Project Block

Block 1: 5SV21F030T

Created by Created on

13.4.2022

Last update

Page 2 / 9

5SV21F030T

Performance curve

Company name
Contact
Phone number
e-mail address

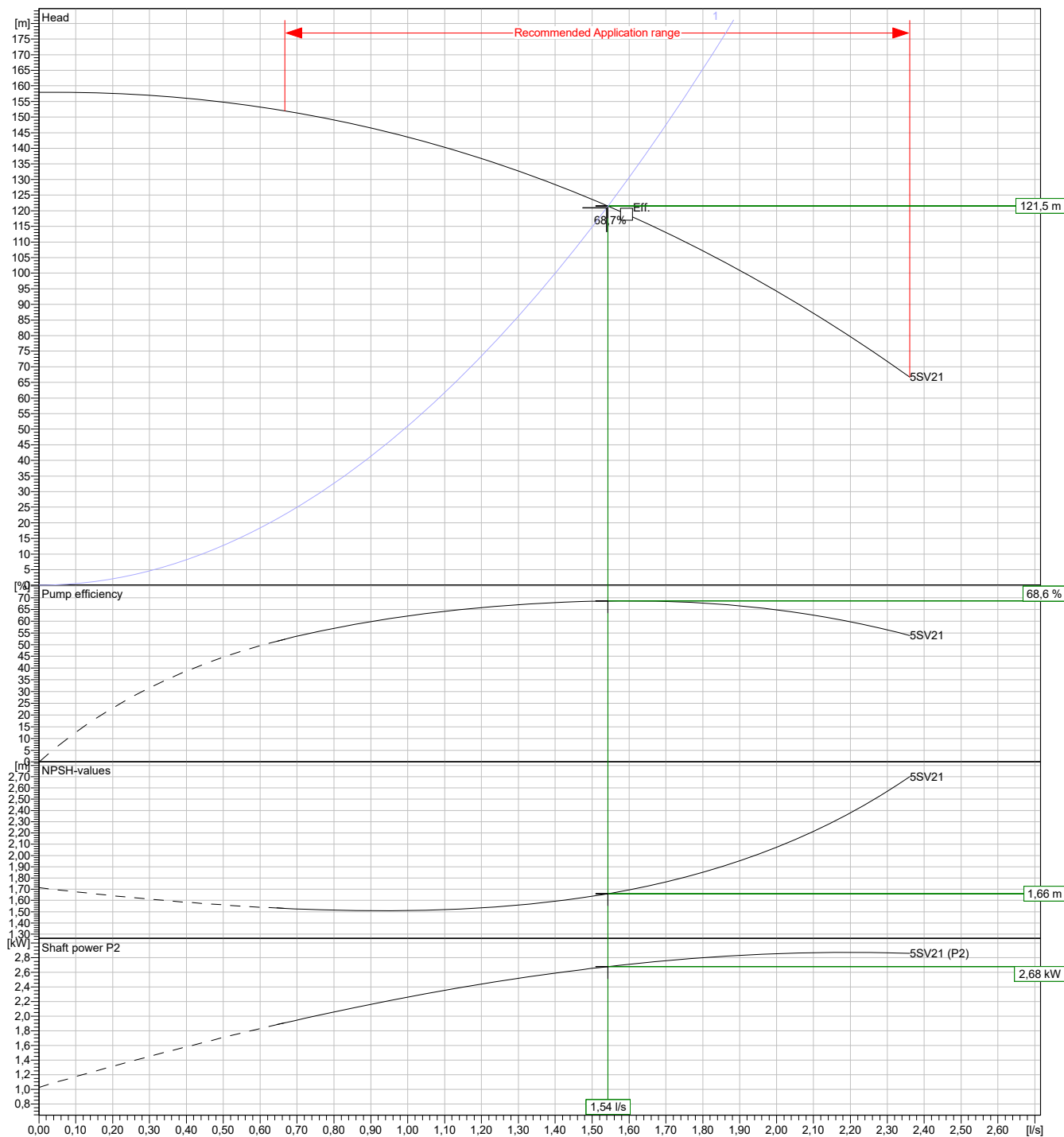
Hydraulic data

Operating Data Specification		Hydraulic data (duty point)		Impeller design	
Flow	1,54 l/s	Flow	1,54 l/s	Impeller R	76 mm
Head	121 m	Head	121 m	Frequency	50 Hz
Static head	0 m	MEI $\geq 0,7$		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



Project
Block Block 1: 5SV21F030T

Created by
Created on 13.4.2022

Last update

Page 3 / 9

Program version
63.0.1 - 29.3.2022 (Build 49)

Data version
30.3.2022 16:12

User group(s)
Xylem: Slovenia - EXT

