



Technical data
VSI254/03/2B-N-M8-50D

Revision number

Page
1

Customer

Supplier

Company name
Dept.
Editor
Phone number
Fax no.
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Operating data specification

Pumped fluid	Water		Rated flow	m ³ /h
Solids	Kind		Nominal head	m
	Percentage of solid content	0	Geodetic head	m
pH value			Available system NPSH	m
Temperature	°C	20	Inlet pressure (pin)	kPa 0
Density	kg/m ³	998.3	Altitude above sea level	m 100
Kin. viscosity	mm ² /s	1.005		
Vapour pressure	kPa	2.34		

Pump

Make	FELE		Impeller type	Semi axial impeller	
Pump type	VSI254/03/2B-N-M8-50D		Impeller construction	Investment casting stainless steel	
Frame size	10"		Impeller Ø	Max.	mm 0
Design	Submersible borehole pumps			designed	mm
Impeller configuration	03/2B		Flow	Min.	mm 0
Speed	1/min	2918.6		Nominal	m ³ /h
Max. operating pressure	kPa	1150	Min.	m ³ /h 170	
Max. diff. pressure	kPa	1150	Max.	m ³ /h 325	
Stages	3		Head	Nominal	m
No. of diffusers	3			Max.	m 90.8
				Min.	m 50.5
Suction port	Pressure rating		Shut off head		
	Nominal pipe size		m 117		
	Standard		NPSH3		
Discharge port	Pressure rating	PN65	Shaft power		
	Nominal pipe size	Rp6" - Flanged D170	kW		
	Standard	Flange standard	Efficiency		
			%		
Pump code	97B12503075B00				

Materials

	Pump		Motor
Discharge head	1.4408 - CF8M (316)	Shaft extension	1.4460
Impeller	1.4408 - CF8M (316)	Slinger	EPDM
Diffuser	1.4408 - CF8M (316)	Seal	SiC / SiC
Motor bracket	1.4408 - CF8M (316)	End bell	1.4408
Pump shaft	1.4460 - A329	Stator shell	1.4571
Coupling	1.4401 - AISI316L	Diaphragm	EPDM
Neck ring	EPDM	Diaphragm cover	1.4401
O-Ring	EPDM	Isolation	PE2/PA
Bearing bush	EPDM		

Motor

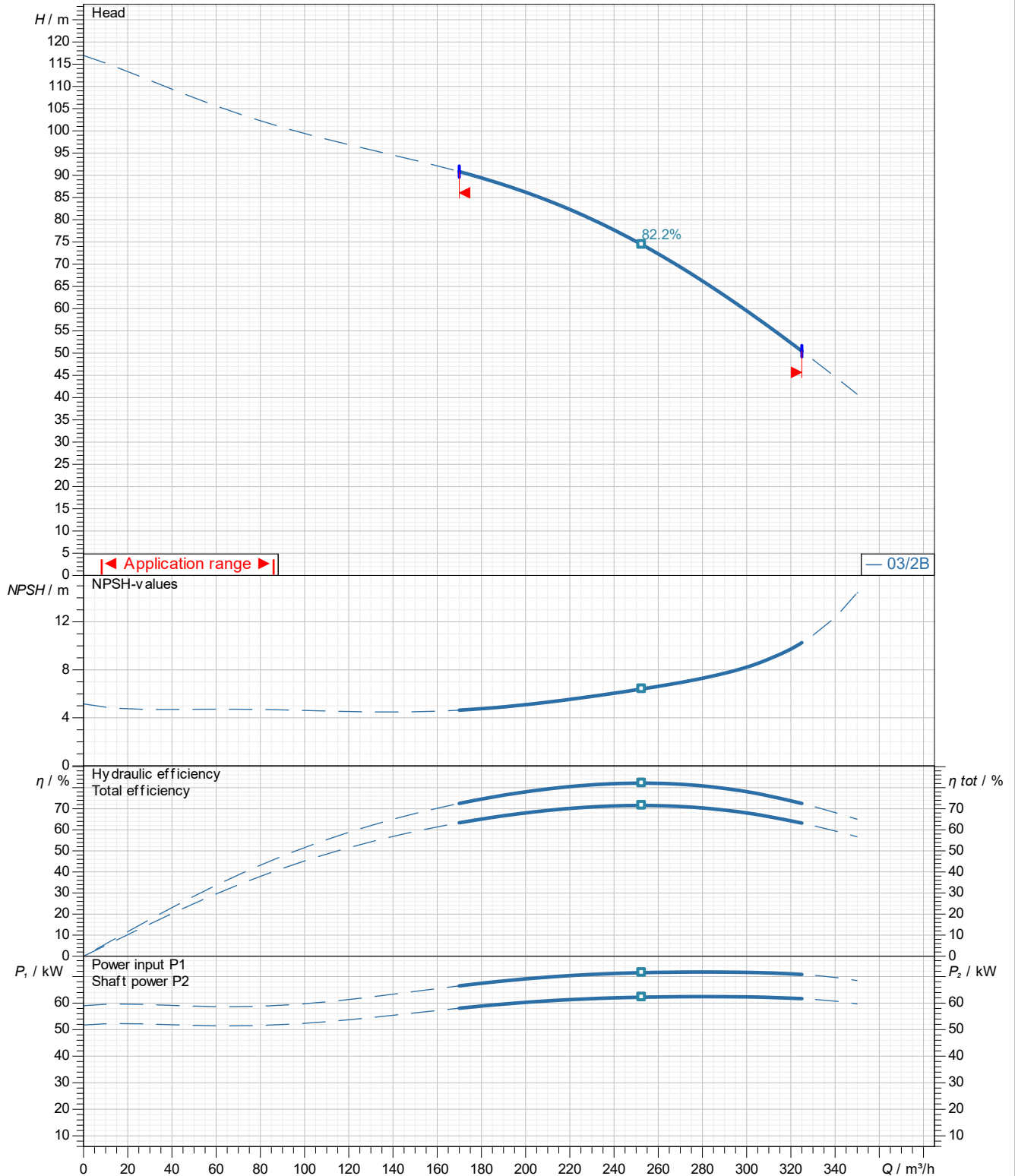
Make/Type	FELE 67KW		
Specific design	RW8		
Rated power kW	67	Speed 1/min	2910
Electric voltage V	3- 400	Electric current A	133
Degree of protection	IP 68		
Motor code	2632626311		

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Series	VSI	10"	Head			Shaft power P2			Impeller type	Semi axial impeller	
	Value	Flow range	η	H(Q=0)	η	P2(Q=0)	P2(Q=Max)	η	Impeller construction	Investment casting stainless steel	
	Min.	Max.	Max.	m	m	kW	kW	kW	Sense of rotation	Clockwise from the drive end	
	m ³ /h	m ³ /h	m ³ /h						Frequency	Hz	50 Hz
	170	325	253	117	74.4	51.8	61.7	62.2	Speed	1/min	2918.6



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

Project

Creation of software

Issue date

Last update

Spaix® 6-25.2 - 2025/10/06 (Built

2026-04-21

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Rated power

67 kW

Service factor

1

Nominal speed

2910 rpm

Frequency

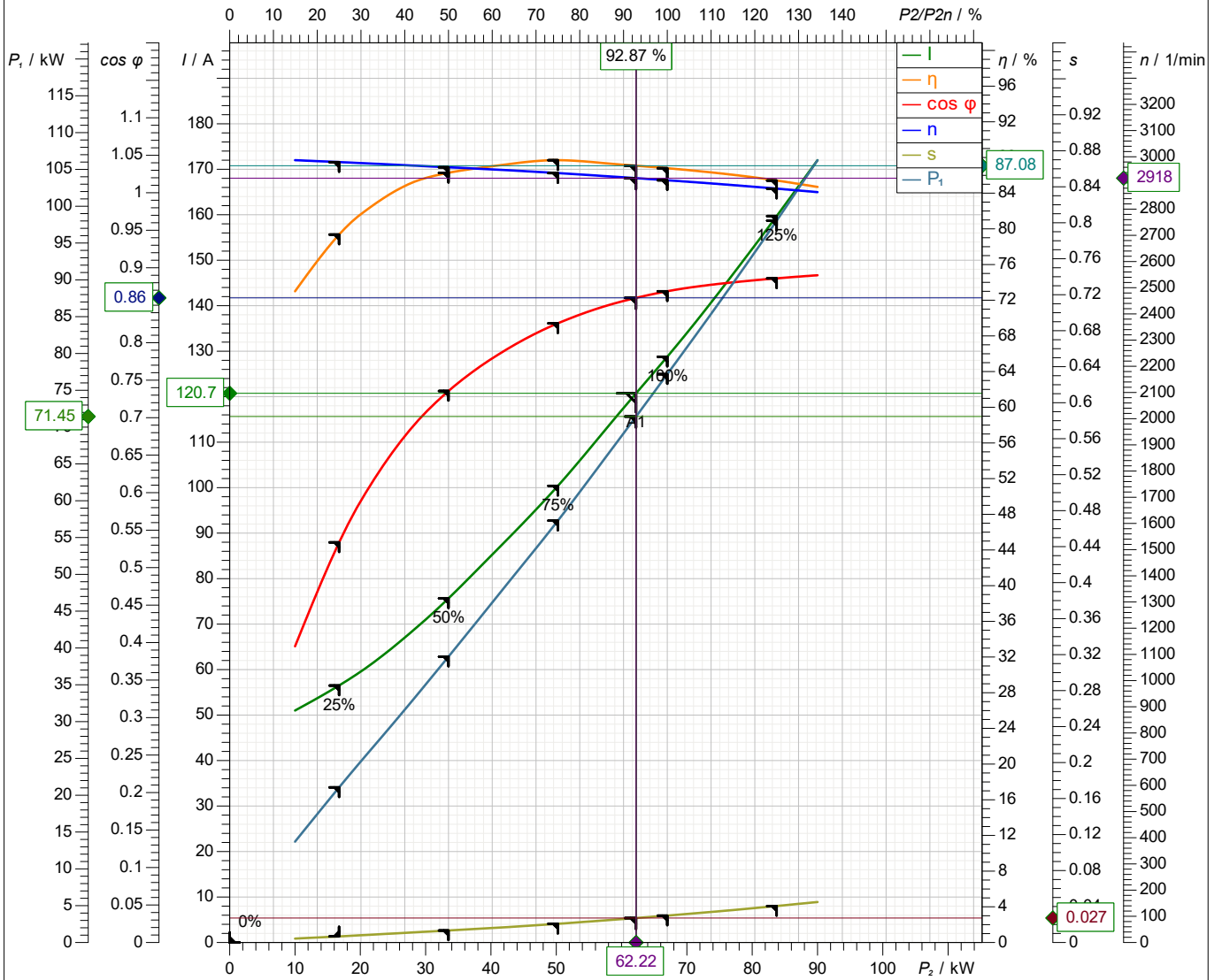
50 Hz

Rated voltage

400 V

Rated current

133 A



Symbol	No load	25%	50%	75%	100%	125%
P_2 / kW		16.75	33.5	50.25	67	83.75
P_1 / kW		21.07	38.83	57.3	77.19	98.05
I / A		56.5	75.66	100.4	128.8	159.7
η / %		79.36	86.29	87.7	86.8	85.42
$\cos \phi$		0.5337	0.7357	0.8259	0.8686	0.8859
n / 1/min		2980	2960	2938	2910	2878
s / %		0.6776	1.337	2.079	2.992	4.055

Starting current

797 A

Starting torque

395 Nm

Poles

2 Poles

No. starts per hour

10

Project

 Creation software
Spaix® 6-25.2 - 2025/10/06 (Build

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2026-04-21

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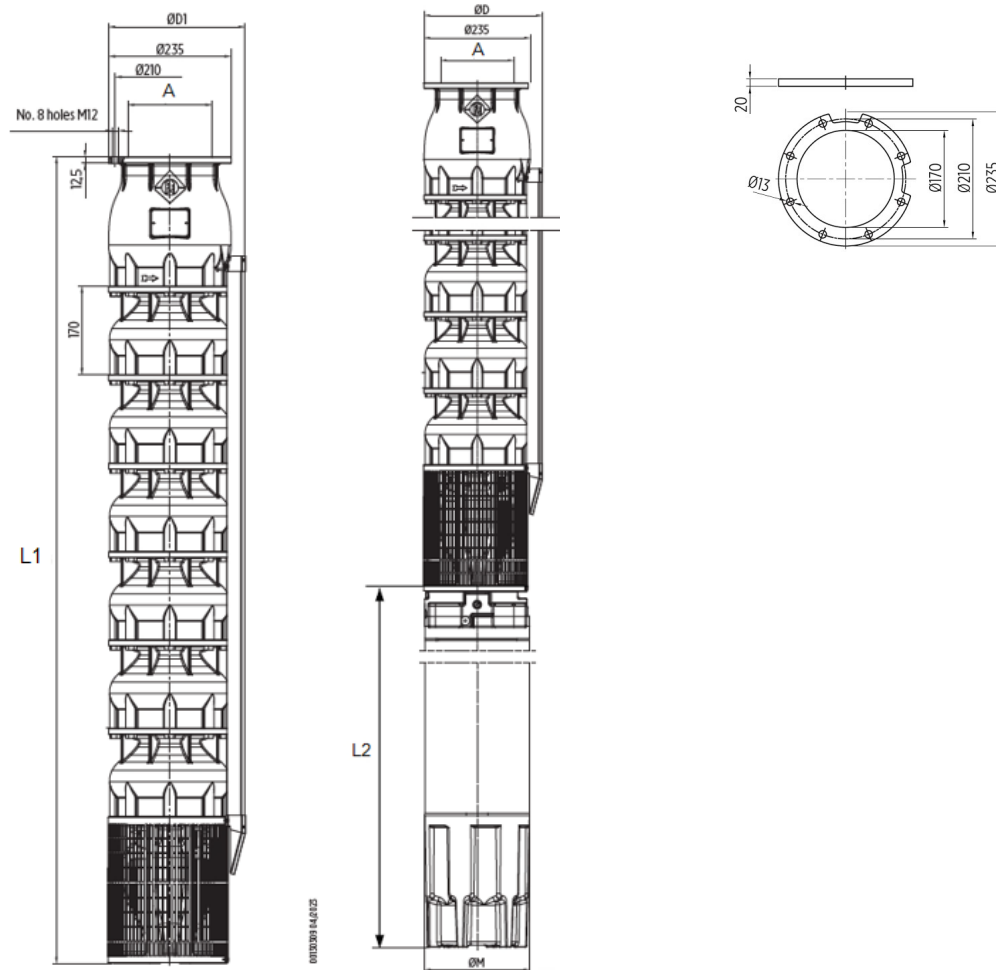


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PMA



Inlet / outlet

Suction port	Discharge port
	Rp6" - Flanged D170
	PN65

Dimension [mm]/[kg]

L1	1090
L2	1470
ØD1	256
ØD1 (SD)	262
ØM	194
Pump w eight	91.5
Motor w eight	198
Electric pump w eight	290
A	Rp6" - Flanged D170

not to scale

Project

Creation software
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