

Submersible Vertical Electric pumps

SVI Series with high efficiency PLM motors

MARKET SECTORS

INDUSTRIAL, CIVIL.

APPLICATIONS

- Pumping of coolants, lubricants and condensate.
- Machine tools, welders, engine test stands.
- Cooling systems.
- Washing systems.
- Boosters.



SPECIFICATIONS PUMP

SVI is a vertical-axis pump with submersible body, equipped with standard motor (for S and N versions).

- **Delivery:** up to 120 m³/h.
- **Head:** up to 240 m.
- **Liquid temperature** for the standard versions:
 - from -10°C to +90°C for S and N versions with coupling.
 - from -10°C a +60°C for close-coupled E versions.
- Maximum ambient temperature: +40°C.
- **Mechanical seal** in Ceramic/Carbon/FPM for the close-coupled E version and in Silicon Carbide/Carbon/FPM for S and N versions with coupling.
For SVI 33-46-66-92 models, mechanical seal can be replaced without removing the motor from the pump.
- Tank coupling flange in compliance with EN 12157 (ex DIN 5440) for SVI 2-4 models.
- Standard installation in vertical position; horizontal installation on request.
- These pumps can handle clean liquids free of abrasive substances or fibres, with kinematic viscosity up to 37mm²/sec, with suitably sized motor.
- Minimum level of suction liquid: 25 mm for SVI 2-4-8-16 models and 80 mm for SVI 33-46-66-92.

- Base in the suction side with filter in order to avoid damages due to solids entrance.
- Tested in compliance with ISO 9906 Annex A.
- Direction of rotation: clockwise looking at the pump from the top down (marked with an arrow on the adapter and on the coupling).
- Longer pump columns (from coupling flange to suction base) are available on request. Possible variants are indicated in each model's dimensions table.

MOTORS

- 2 poles motors with squirrel cage in short circuit, enclosed construction with external ventilation.
- Construction design:
 - Close-coupled for E version.
 - Standard motor for S and N versions.
- **From 3 kW to 22 kW pumps are equipped with PLM motors with efficiency values that fall within the range normally referred to as efficiency class 1.**
Other motor brands are used for 30 kW power.
- **IP55 protection.**
- **Class F Insulation.**
- Performances according to EN 60034-1.
- Standard voltage:
 - Three-phase version: 220-240/380-415 V, 50 Hz for power up to 3 kW, 380-415/660-690 V, 50 Hz for power above 3 kW.

CHARACTERISTICS OF SVI 2, 4 SERIES (E, EN VERSIONS)

- Vertical pump with submersible body with impellers, diffusers, outer sleeve, suction base and filter made entirely of stainless steel.
Adapter with delivery port in cast iron.
- "N" version made entirely of AISI 316 stainless steel.
- Motor with special shaft extension.
- Standard version for temperatures ranging from -10°C to +60°C.

CHARACTERISTICS OF SVI 2, 4, 8, 16 SERIES (S, N VERSIONS)

- Vertical pump with submersible body.
- "S" version with standard motor; impellers, diffusers, outer sleeve, suction base and filter made entirely of stainless steel. Adapter with delivery port in cast iron.
- "N" version with standard motor, made entirely of AISI 316 stainless steel.
- Reduced axial thrusts enable the use of standard motors that are easily found in the market.
- Mechanical seal according to EN 12756 (ex DIN 24960) e ISO 3069.
- Standard version for temperatures ranging from -10°C to +90°C.

CHARACTERISTICS OF SVI 33, 46, 66, 92 SERIES (S, N VERSIONS)

- Vertical pump with submersible body.
- "S" version with standard motor; impellers, diffusers, tie-rods, suction base and filter made entirely of stainless steel. Adapter and upper head in cast iron.
- "N" version with standard motor; made entirely of AISI 316 stainless steel.
- Delivery port can be coupled to counter-flanges, according to EN 1092.
- Four new sizes (SVI 33-46-66-92) entirely re-designed; improved efficiency and performances.
- Motor versions, depending on the model:
 - with standard bearings for powers up to 11 kW.
 - with reinforced bearings, able to support the vertical axial thrust of the pump for powers ≥ 15 kW (SVI3306/2, SVI4604/2, SVI9202 excluded, with standard bearings).
- Balanced mechanical seal (SiC/C/FPM as standard) according to EN 12756 (ex DIN 24960) and ISO 3069, which can be replaced without removing the motor from the pump.
- Standard version for temperatures ranging from -10°C e +90°C.

OPTIONAL FEATURES

- Single-phase version.
- 4 poles version.
- Special voltages.
- 60 Hz frequency.
- Special materials for mechanical seals and gaskets.
- Horizontal installation.

ACCESSORIES

- Adapter ring which allows compatibility with the previous models SVI 30-60 (keeping the same discharge port axle height from the flange and the same centering to the tank).

GENERAL CHARACTERISTICS

2-POLE SVI

	2E	4E	2S	4S	8S	16S	33S	46S	66S	92S
Max efficiency flow (m³/h)	3	5,5	3	5,5	10,5	16	33	42	74	92
Flow range (m³/h)	1,2 ÷ 4,2	2,4 ÷ 7,2	1,2 ÷ 4,2	2,4 ÷ 7,2	6 ÷ 14	9 ÷ 24	15 ÷ 40	22 ÷ 60	30 ÷ 85	45 ÷ 120
Maximum pressure (bar)	8	6	26	23	22	25	24	22	15	13
Motor power (kW)	0,37 ÷ 0,9	0,37 ÷ 0,9	0,37 ÷ 3	0,37 ÷ 4	0,75 ÷ 7,5	1,1 ÷ 15	2,2 ÷ 30	3 ÷ 30	4 ÷ 30	5,5 ÷ 30
Max η (%) of pump	42	57	42	59,5	61,5	64,5	76,5	79	78	79,5
Standard temperature (°C)	-10 +60		-10 +90							

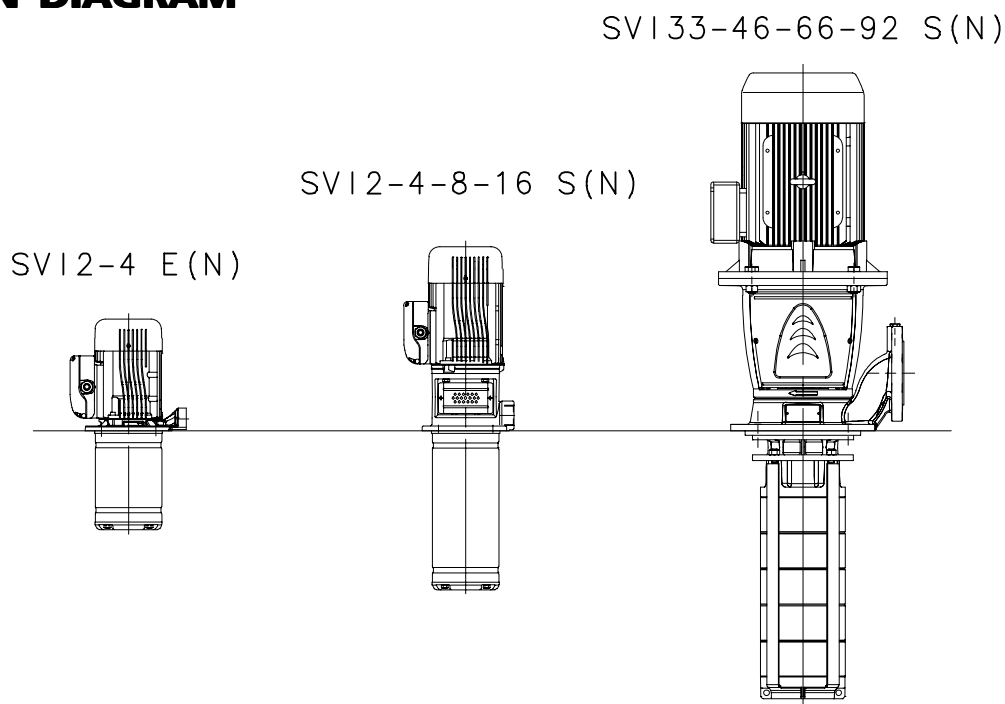
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SVI VERSIONS

	VERSION	HYDRAULIC	UPPER HEAD	DELIVERY PORT
SVI2-4E	CLOSE-COUPLED	AISI 304	CAST IRON	Threaded Rp 3/4
SVI2-4EN	CLOSE-COUPLED	AISI 316	AISI 316	Threaded Rp 3/4
SVI2-4S	WITH COUPLING	AISI 304	CAST IRON	Threaded Rp 1 1/4
SVI2-4N	WITH COUPLING	AISI 316	AISI 316	Threaded Rp 1 1/4
SVI8-16S	WITH COUPLING	AISI 304	CAST IRON	Threaded Rp 2
SVI8-16N	WITH COUPLING	AISI 316	AISI 316	Threaded Rp 2
SVI33-46-66-92S	WITH COUPLING	AISI 304	CAST IRON	Flanged DN 80
SVI33-46-66-92N	WITH COUPLING	AISI 316	AISI 316	Flanged DN 80

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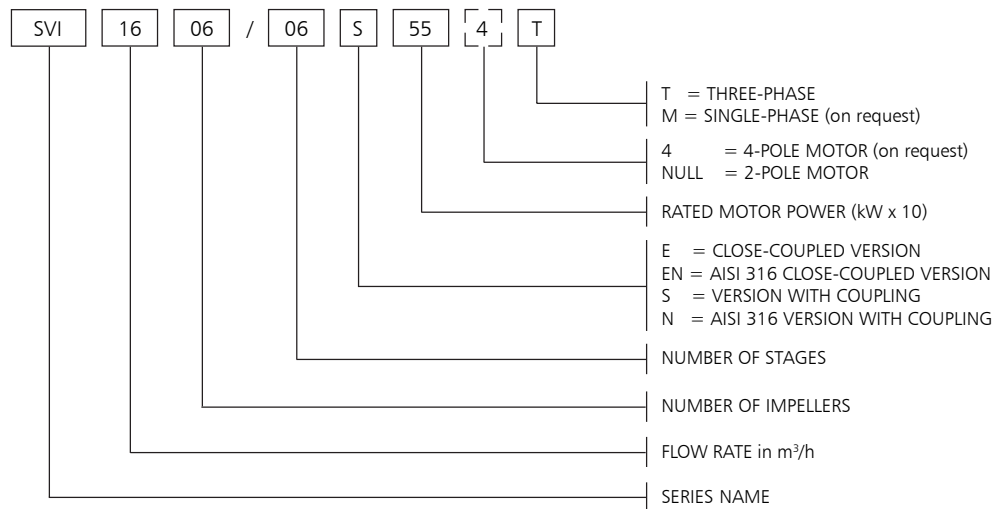
VERSION DIAGRAM



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IDENTIFICATION CODE

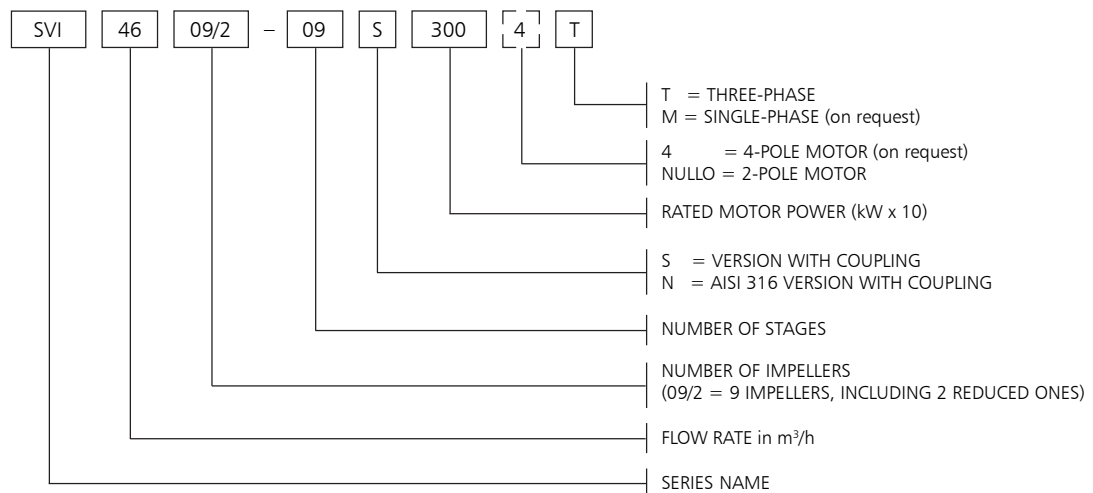
SVI 2, 4, 8, 16



EXAMPLE : SVI1606/06S55T

SVI Series Electric pump, flow rate 16 m³/h, number of impellers 6, number of stages 6, S version with coupling, rated motor power 5,5 kW, 50 Hz version, three-phase.

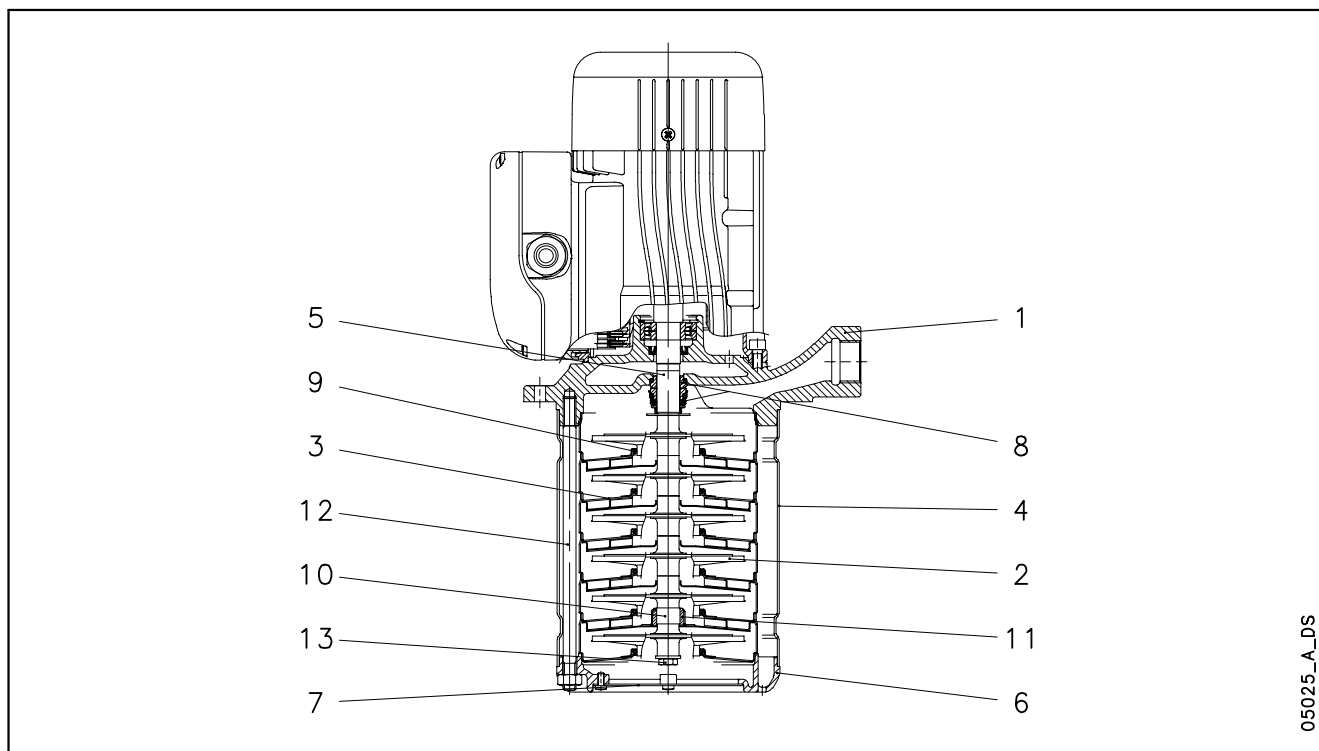
SVI 33, 46, 66, 92



EXAMPLE : SVI4609/2-09S300T

SVI Series Electric pump, flow rate 46 m³/h, number of impellers 9 including 2 reduced ones, number of stages 9, S version with coupling, rated motor power 30 kW, 50 Hz version, three-phase.

SVI 2, 4 (E, EN) SERIES ELECTRIC PUMP CROSS SECTION AND MAIN COMPONENTS



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SVI 2, 4 (E VERSIONS)

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
2	Impeller	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
3	Diffuser	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
4	Outer sleeve	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
5	Shaft	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
6	Suction base	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
7	Strainer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
8	Mechanical seal	Ceramic / Carbon / FPM		
9	Elastomers	FPM		
10	Shaft sleeve	Tungsten carbide		
11	Bushing	Ceramic (Alumina)		
12	Tie rods	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
13	Screws	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304

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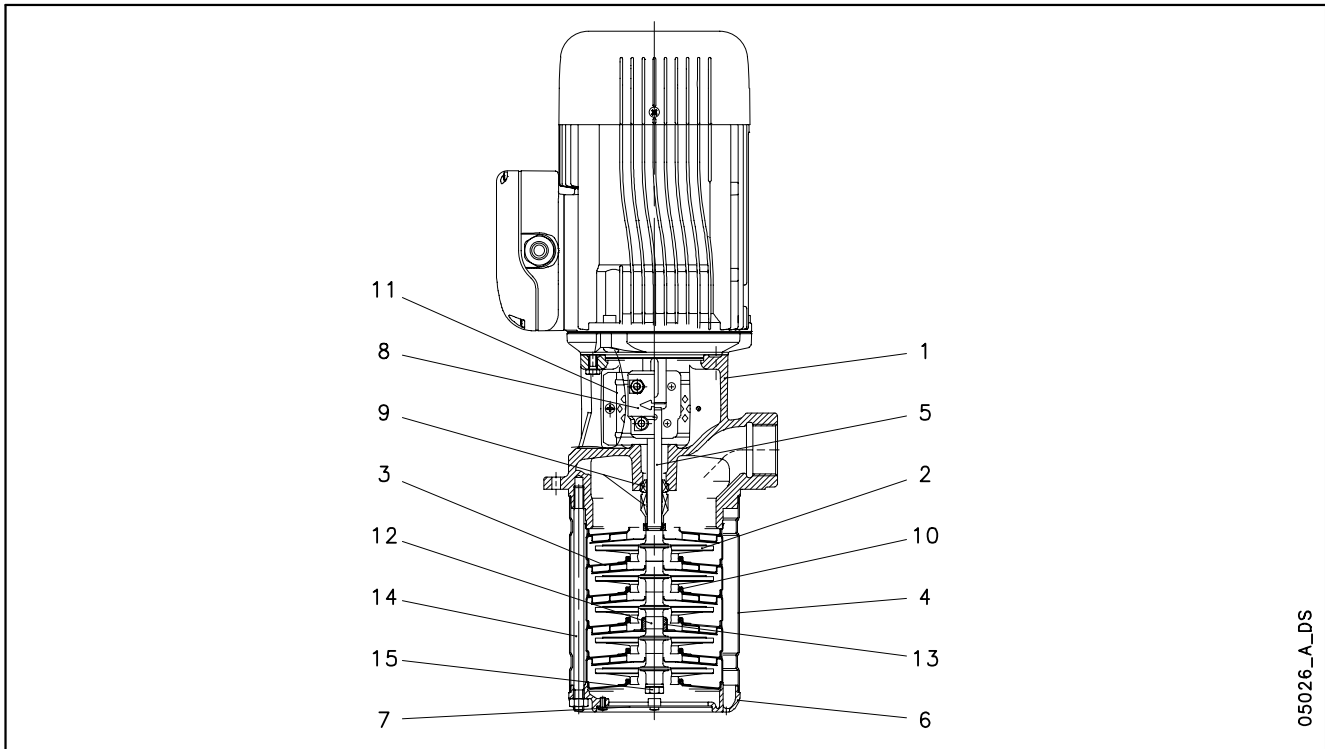
SVI 2, 4 (EN VERSIONS)

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Adapter	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
2	Impeller	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
3	Diffuser	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
4	Outer sleeve	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
5	Shaft	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Suction base	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
7	Strainer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
8	Mechanical seal	Ceramic / Carbon / FPM		
9	Elastomers	FPM		
10	Shaft sleeve	Tungsten carbide		
11	Bushing	Ceramic (Alumina)		
12	Tie rods	Acciaio inox	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
13	Screws	Acciaio inox	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

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SVI 2, 4, 8, 16 (S, N) SERIES

ELECTRIC PUMP CROSS SECTION AND MAIN COMPONENTS



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SVI 2, 4, 8, 16 (S VERSIONS)

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Adapter	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
2	Impeller	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
3	Diffuser	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
4	Outer sleeve	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
5	Shaft	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
6	Suction base	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
7	Strainer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
8	Coupling (up to 4 kW)	Aluminium	EN 1706-AC-ALSi11Cu2 (Fe) (AC46100)	-
9	Coupling (for higher powers)	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
10	Mechanical seal	Silicon carbide / Carbon / FPM		
11	Elastomers	FPM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve	Tungsten carbide		
14	Bushing	Ceramic (Alumina)		
15	Tie rods	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
15	Screws	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

SVI 2, 4, 8, 16 (N VERSIONS)

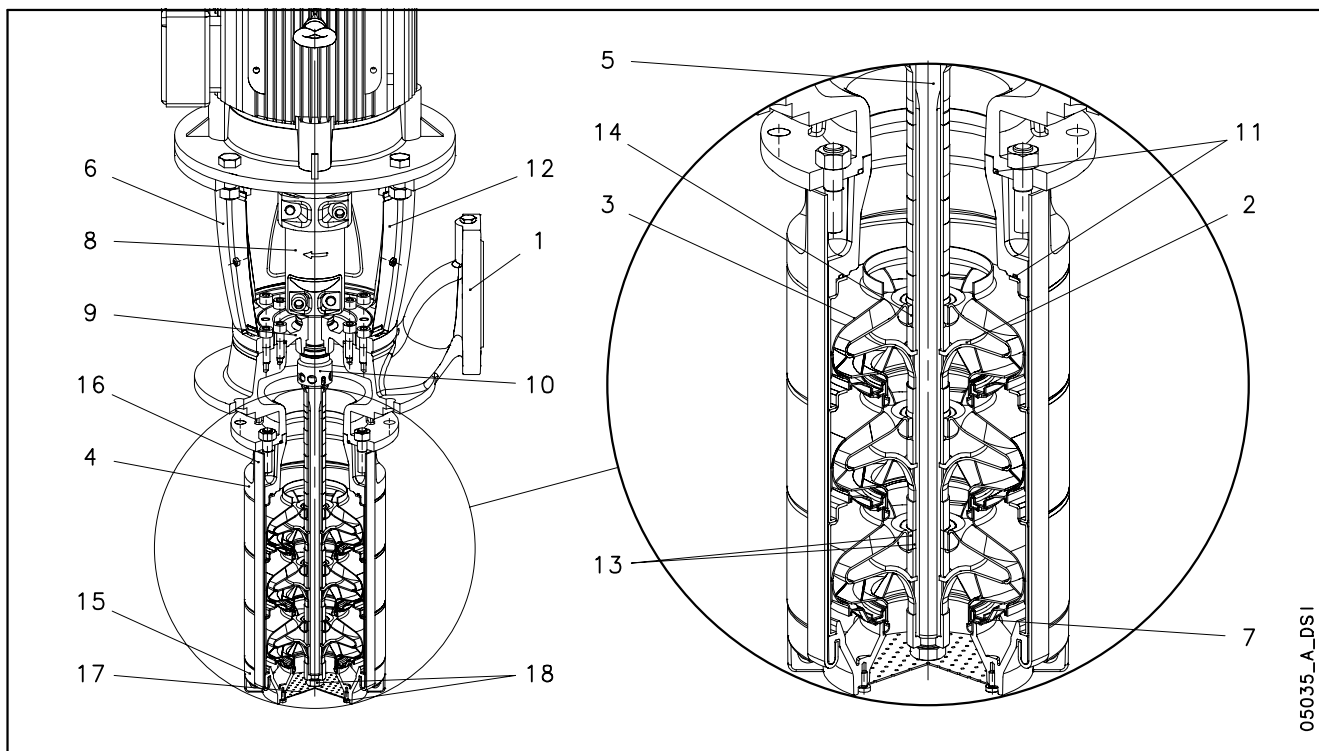
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REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Adapter	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
2	Impeller	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
3	Diffuser	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
4	Outer sleeve	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
5	Shaft	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Suction base	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
7	Strainer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
8	Coupling (up to 4 kW)	Aluminium	EN 1706-AC-ALSi11Cu2 (Fe) (AC46100)	-
9	Coupling (for higher powers)	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
10	Mechanical seal	Silicon carbide / Carbon / FPM		
11	Elastomers	FPM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve	Tungsten carbide		
14	Bushing	Ceramic (Alumina)		
15	Tie rods	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
15	Screws	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

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SVI 33, 46, 66, 92 (S, N) SERIES

ELECTRIC PUMP CROSS SECTION AND MAIN COMPONENTS



SVI 33, 46, 66, 92 (S VERSIONS)

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Upper head	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
2	Impeller	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
3	Diffuser	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
4	Adapter	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
5	Shaft	Stainless steel	EN 10088-1 - X17CrNi16-2 (1.4057)	AISI 431
6	Motor adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
7	Wear ring	Technopolymer PPS		
8	Coupling	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
9	Seal housing	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
10	Mechanical seal	Silicon carbide / Carbon / FPM		
11	Elastomers	FPM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve and bushing	Tungsten carbide		
14	Bushing for diffuser	Carbon		
15	Suction base	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
16	Tie rods	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
17	Strainer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
18	Screws	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

SVI 33, 46, 66, 92 (N VERSIONS)

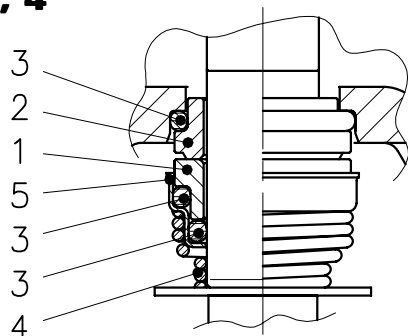
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REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Upper head	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
2	Impeller	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
3	Diffuser	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
4	Adapter	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
5	Shaft	Duplex stainless steel	EN 10088-1-X2CrNiMoN22-5-3 (1.4462)	UNS S 31803
6	Motor adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
7	Wear ring	Technopolymer PPS		
8	Coupling	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
9	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
10	Mechanical seal	Silicon carbide / Carbon / FPM		
11	Elastomers	FPM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve and bushing	Tungsten carbide		
14	Bushing for diffuser	Carbon		
15	Suction base	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
16	Tie rods	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
17	Strainer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
18	Screws	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316

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SVI (E, EN) SERIES MECHANICAL SEAL, ACCORDING TO EN 12756

SVI 2, 4



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LIST OF MATERIALS

POSITION 1 - 2	POSITION 3	POSITION 4 - 5
V : Ceramic	V : FPM	G : AISI 316
B : Resin impregnated carbon	E : EPDM	
C : Special resin impregnated carbon		
Q ₁ : Silicon Carbide		

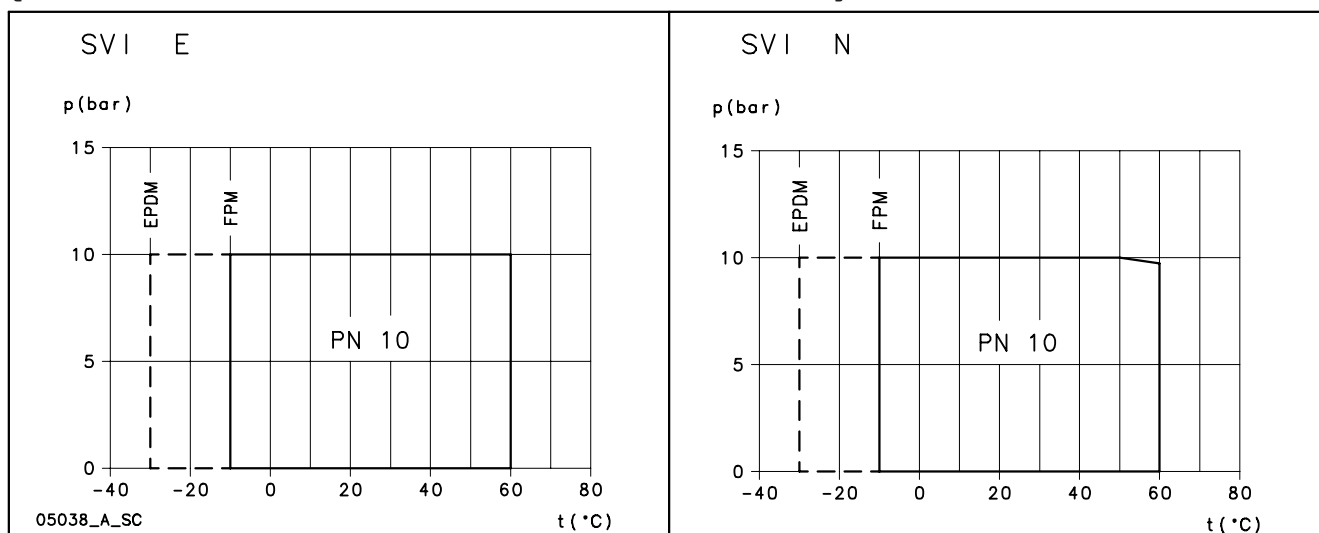
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SEAL TYPES

TYPE	POSITION					TEMPERATURE (°C)
	1 ROTATING PART	2 STATIONARY PART	3 ELASTOMERS	4 SPRINGS	5 OTHER COMPONENTS	
STANDARD MECHANICAL SEAL						
VBVGG	V	B	V	G	G	-10 +60
OTHER TYPES OF MECHANICAL SEAL						
Q ₁ Q ₁ EGG	Q ₁	Q ₁	E	G	G	-30 +60
Q ₁ CVGG	Q ₁	C	V	G	G	-10 +60
Q ₁ Q ₁ VGG	Q ₁	Q ₁	V	G	G	-10 +60

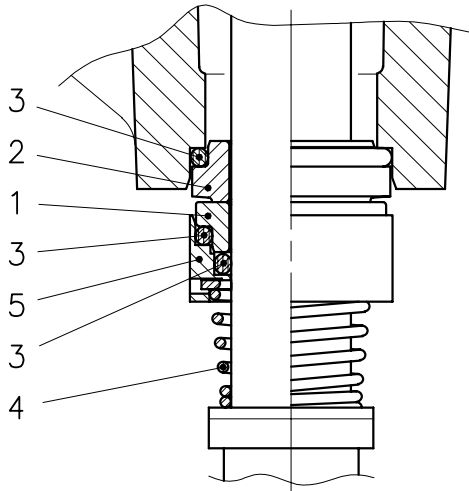
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COMPLETE PUMP PRESSURE / TEMPERATURE OPERATING LIMITS (WITH ANY OF THE SEALS LISTED ABOVE)

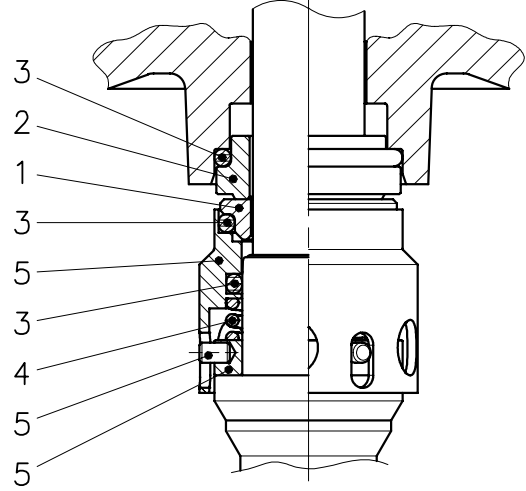


SVI (S, N) SERIES MECHANICAL SEALS, ACCORDING TO EN 12756

SVI 2, 4, 8, 16



SVI 33, 46, 66, 92



LIST OF MATERIALS

POSITION 1 - 2	POSITION 3	POSITION 4 - 5
Q ₁ : Silicon Carbide	V : FPM	G : AISI 316
B : Resin impregnated carbon	E : EPDM	
	T : PTFE	

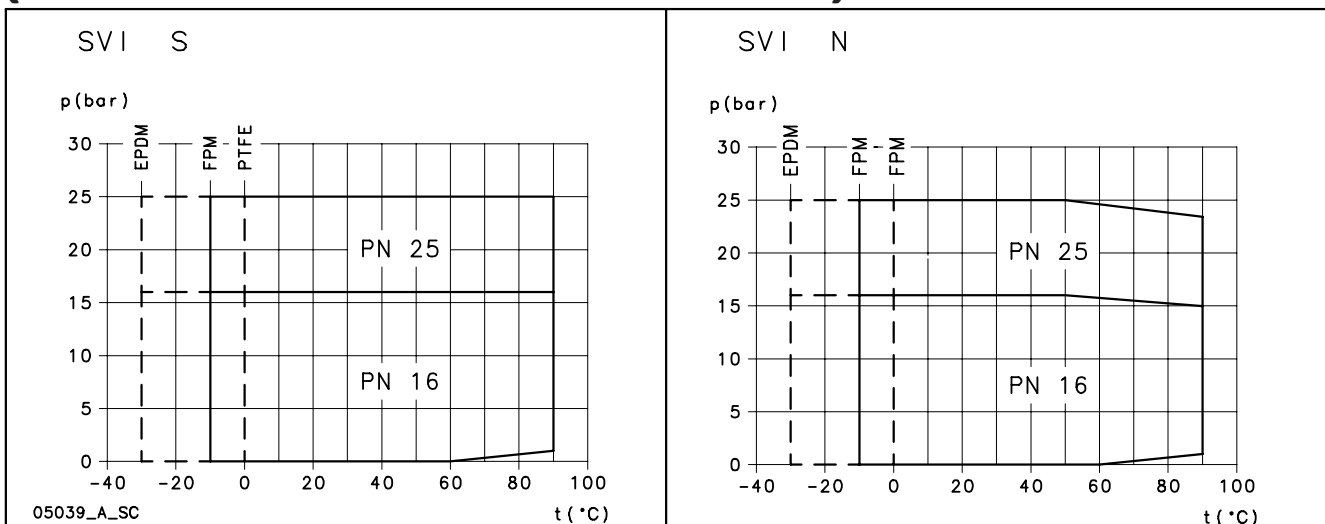
SEAL TYPES

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TYPE	POSITION					TEMPERATURE (°C)
	1 ROTATING PART	2 STATIONARY PART	3 ELASTOMERS	4 SPRINGS	5 OTHER COMPONENTS	
STANDARD MECHANICAL SEAL						
Q ₁ B V G G	Q ₁	B	V	G	G	-10 +90
OTHER TYPES OF MECHANICAL SEAL						
Q ₁ Q ₁ V G G	Q ₁	Q ₁	V	G	G	-10 +90
Q ₁ Q ₁ E G G	Q ₁	Q ₁	E	G	G	-30 +90
Q ₁ Q ₁ T G G	Q ₁	Q ₁	T	G	G	0 +90

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COMPLETE PUMP PRESSURE / TEMPERATURE OPERATING LIMITS (WITH ANY OF THE SEALS LISTED ABOVE)



MOTORS

- Standard motors with powers up to 22 kW (included) for the 2-pole version. 4-poles version on request.
- The normalized PLM motors have efficiency values that fall within the range normally referred to as **efficiency class 1**.
- Short-circuit squirrel-cage motor (TEFC), enclosed construction with external ventilation.
- IP55 protection.
- Class F insulation.
- Performance according to EN 60034-1.
- Standard voltage.
- Cable gland with standard passage dimensions according to EN 50262 (metric thread).
- **Single-phase** version: 220-240 V 50 Hz (on request).

- **Three-phase** version:
220-240/380-415 V, 50 Hz for power up to 3 kW.
380-415/660-690 V, 50 Hz for power above 3 kW.
Overload protection to be provided by the user.

• **Type of motor used:**
2-Pole

Three-phase: SM (up to 2,2 kW).
PLM (from 3 to 22 kW).
Other motors (30 kW).

SVI (E, EN) SERIES THREE-PHASE 50 Hz, 2-POLE MOTORS

MOTOR TYPE		INPUT CURRENT in (A)		DATA FOR 400 V 50 Hz VOLTAGE					
kW	IEC SIZE *	THREE-PHASE		min ⁻¹	Is / In	η %	cosφ	Tn Nm	Ts/Tn**
		Δ 220-240 V	Y 380-415 V						
0,37	63	1,71	0,99	2745	3,90	63,7	0,69	1,04	3,46
0,45	63	2,36	1,36	2765	4,14	64,7	0,66	1,38	4,14
0,55	63	3,50	1,52	2765	4,29	69,7	0,68	1,73	4,11
0,75	71	3,50	2,02	2855	5,81	74,3	0,72	2,51	3,76
0,9	71	4,24	2,45	2855	6,44	77,6	0,72	3,18	4,20

* R = Reduced size of motor casing as compared to shaft extension and flange.

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** Ts/Tn = ratio between starting torque and nominal torque.

SVI (S, N) SERIES THREE-PHASE 50 Hz, 2-POLE MOTORS

MOTOR TYPE			INPUT CURRENT in (A)				DATA FOR 400 V 50 Hz VOLTAGE					
kW	IEC SIZE *	CONSTRUCTION DESIGN	THREE-PHASE				min ⁻¹	Is / In	η %	cosφ	Tn Nm	Ts/Tn**
			Δ 220-240 V	Y 380-415 V	Δ 380-415 V	Y 660-690V						
0,37	71R	B14	2,32	1,34	-	-	2790	4,23	64,1	0,62	1,27	4,50
0,55	71	B14	2,48	1,43	-	-	2825	5,95	75,4	0,73	1,86	3,99
0,75	80R	B14	3,50	2,02	-	-	2855	5,81	74,3	0,72	2,51	3,76
1,1	80	B14	4,52	2,61	-	-	2875	6,78	78,9	0,77	3,65	3,49
1,5	90R	B14	5,98	3,45	-	-	2875	7,04	80,1	0,78	4,98	3,83
2,2	90R	B14	8,71	5,03	-	-	2860	7,32	81,1	0,78	7,34	4,12
3	100R	B14	10,8	6,25	-	-	2880	8,25	86,7	0,80	9,96	4,02
4	112R	B14	-	-	7,71	4,45	2900	9,51	89,1	0,84	13,2	3,93
5,5	132R	B5	-	-	10,4	6,00	2895	10,3	89,0	0,86	18,2	4,47
7,5	132	B5	-	-	13,9	8,03	2925	9,52	89,9	0,87	24,5	3,24
11	160R	B5	-	-	20,2	11,7	2915	9,49	91,2	0,86	36,0	3,57
15	160	B5	-	-	26,2	15,1	2945	8,23	92,3	0,89	48,6	2,37
18,5	160	B5	-	-	33,4	19,3	2955	9,25	93,1	0,86	59,8	2,62
22	180R	B5	-	-	37,9	21,9	2950	9,37	93,1	0,90	71,2	2,68
30	200	B5	-	-	54	31	2950	6,8	92,5	0,87	97	2,4

* R = Reduced size of motor casing as compared to shaft extension and flange.

svi-s-mott-2p50-en_a_te

** Ts/Tn = ratio between starting torque and nominal torque.

MOTOR NOISE

The tables below show the mean sound pressure levels (Lp) measured at 1 meter's distance in a free field according to the A curve (ISO 1680 standard).

The noise values are measured with idling 50 Hz motor with a tolerance of 3 dB (A).

SVI (E, EN) SERIES THREE-PHASE 50 Hz, 2-POLE MOTORS

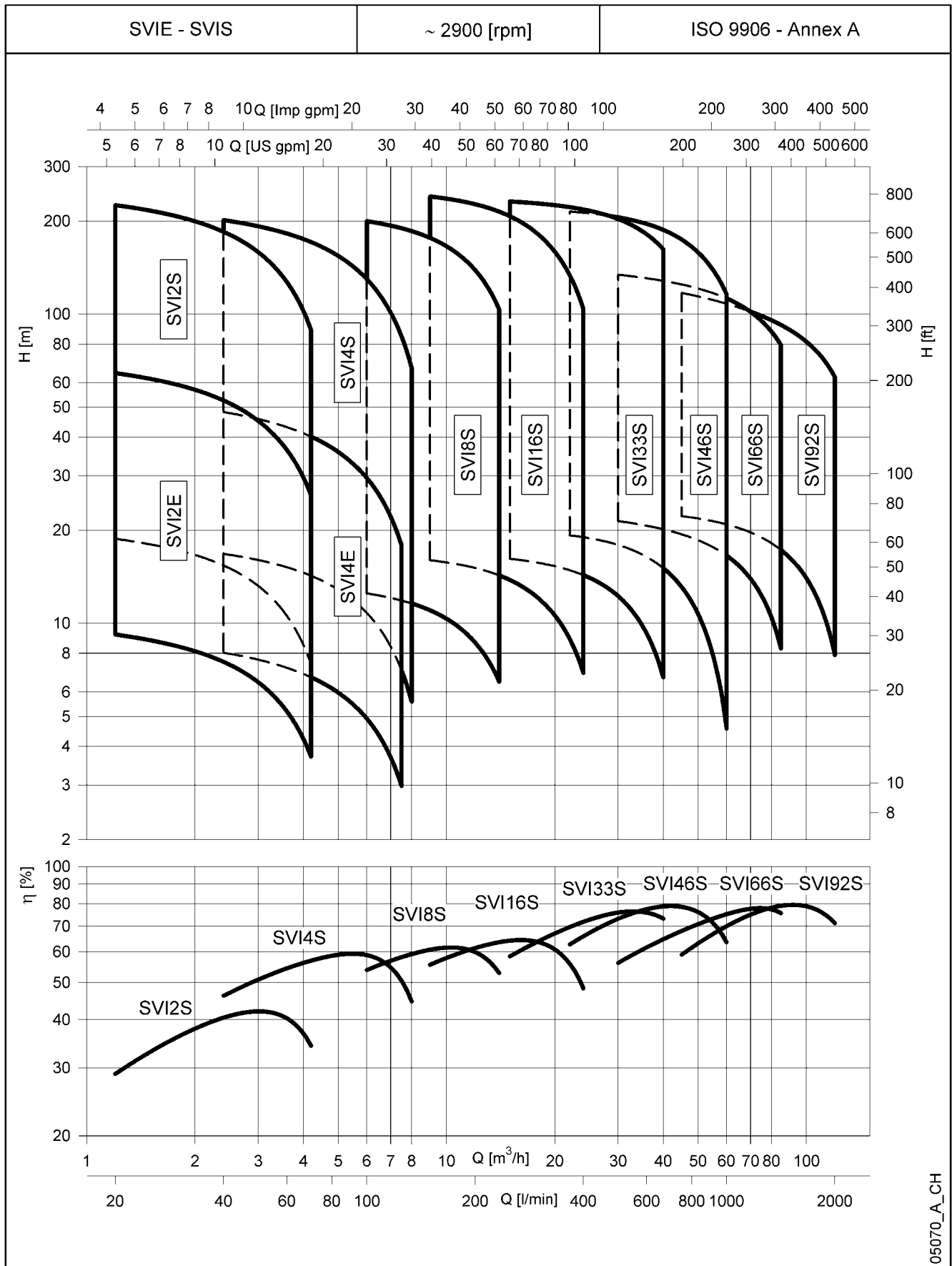
POWER	MOTOR TYPE	NOISE
kW	IEC SIZE	LpA dB
0,37	63	<70
0,45	63	<70
0,55	63	<70
0,75	71	<70
0,9	71	<70

*R=Reduced motor casing size with respect to shaft extension and related flange.

SVI (S, N) SERIES THREE-PHASE 50 Hz, 2-POLE MOTORS

POWER	MOTOR TYPE	RUMOROSITA'
kW	IEC SIZE*	LpA dB
0,37	71R	<70
0,55	71	<70
0,75	80R	<70
1,1	80	<70
1,5	90R	<70
2,2	90R	<70
3	100R	<70
4	112R	<70
5,5	132R	<70
7,5	132	71
11	160R	73
15	160	71
18,5	160	73
22	180R	70
30	200	74

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**SVI SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz**


05070_A_CH

SVI 2, 4 SERIES
TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		Q = DELIVERY											
	kW	HP	l/min 0	20	30	40	50	60	70	80	90	100	110	120
			m³/h 0	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2
H = TOTAL HEAD METRES COLUMN OF WATER														
SVI 201E	0,37	0,5	10,6	9,2	8,4	7,5	6,5	5,2	3,7					
SVI 202E	0,37	0,5	21,2	18,4	16,8	15,0	12,9	10,4	7,4					
SVI 203E	0,45	0,6	31,8	27,6	25,3	22,5	19,4	15,6	11,1					
SVI 204E	0,55	0,75	42,4	36,9	33,7	30,1	25,8	20,8	14,8					
SVI 205E	0,75	1	53,0	46,1	42,1	37,6	32,3	26,0	18,6					
SVI 206E	0,75	1	63,7	55,3	50,5	45,1	38,7	31,2	22,3					
SVI 207E	0,9	1,2	74,3	64,5	58,9	52,6	45,2	36,4	26,0					
SVI 401E	0,37	0,5	9,5			8,0	7,6	7,2	6,7	6,2	5,6	4,9	4,2	3,4
SVI 402E	0,37	0,5	19,0			16,1	15,3	14,4	13,4	12,3	11,2	9,9	8,4	6,8
SVI 403E	0,45	0,6	28,5			24,1	22,9	21,5	20,1	18,5	16,7	14,8	12,6	10,2
SVI 404E	0,55	0,75	38,0			32,1	30,5	28,7	26,8	24,7	22,3	19,7	16,8	13,6
SVI 405E	0,75	1	47,5			40,2	38,1	35,9	33,5	30,8	27,9	24,6	21,0	17,1
SVI 406E	0,9	1,2	57,0			48,2	45,8	43,1	40,2	37,0	33,5	29,6	25,3	20,5
SVI 202S	0,37	0,5	21,4	18,8	17,2	15,4	13,2	10,6	7,4					
SVI 203S	0,37	0,5	32,1	28,1	25,8	23,1	19,8	15,9	11,1					
SVI 204S	0,55	0,75	42,8	37,5	34,4	30,8	26,4	21,2	14,8					
SVI 205S	0,75	1	53,5	46,9	43,0	38,5	33,0	26,5	18,6					
SVI 206S	0,75	1	64,2	56,3	51,6	46,2	39,6	31,7	22,3					
SVI 207S	1,1	1,5	74,9	65,6	60,2	53,9	46,2	37,0	26,0					
SVI 208S	1,1	1,5	85,6	75,0	68,8	61,5	52,8	42,3	29,7					
SVI 209S	1,1	1,5	96,3	84,4	77,4	69,2	59,4	47,6	33,4					
SVI 211S	1,5	2	117,7	103,2	94,6	84,6	72,6	58,2	40,8					
SVI 212S	1,5	2	128,4	112,5	103,2	92,3	79,2	63,5	44,5					
SVI 214S	2,2	3	149,8	131,3	120,4	107,7	92,5	74,1	52,0					
SVI 216S	2,2	3	171,2	150,1	137,7	123,1	105,7	84,7	59,4					
SVI 218S	2,2	3	192,6	168,8	154,9	138,5	118,9	95,2	66,8					
SVI 220S	3	4	214,0	187,6	172,1	153,9	132,1	105,8	74,2					
SVI 222S	3	4	235,4	206,3	189,3	169,2	145,3	116,4	81,7					
SVI 224S	3	4	256,8	225,1	206,5	184,6	158,5	127,0	89,1					
SVI 402S	0,37	0,5	19,3			16,8	16,0	15,2	14,3	13,2	12,1	10,8	9,4	7,9
SVI 403S	0,55	0,75	28,9			25,2	24,0	22,8	21,4	19,8	18,1	16,2	14,1	11,8
SVI 404S	0,75	1	38,5			33,6	32,0	30,4	28,5	26,5	24,2	21,6	18,9	15,8
SVI 405S	1,1	1,5	48,2			42,0	40,1	38,0	35,6	33,1	30,2	27,1	23,6	19,7
SVI 406S	1,1	1,5	57,8			50,4	48,1	45,6	42,8	39,7	36,3	32,5	28,3	23,7
SVI 407S	1,1	1,5	67,5			58,7	56,1	53,1	49,9	46,3	42,3	37,9	33,0	27,6
SVI 408S	1,5	2	77,1			67,1	64,1	60,7	57,0	52,9	48,3	43,3	37,7	31,5
SVI 409S	1,5	2	86,7			75,5	72,1	68,3	64,2	59,5	54,4	48,7	42,4	35,5
SVI 411S	2,2	3	106,0			92,3	88,1	83,5	78,4	72,8	66,5	59,5	51,9	43,4
SVI 413S	2,2	3	125,3			109,1	104,2	98,7	92,7	86,0	78,6	70,4	61,3	51,3
SVI 414S	3	4	134,9			117,5	112,2	106,3	99,8	92,6	84,6	75,8	66,0	55,2
SVI 416S	3	4	154,2			134,3	128,2	121,5	114,1	105,8	96,7	86,6	75,4	63,1
SVI 418S	3	4	173,5			151,1	144,2	136,7	128,3	119,0	108,8	97,4	84,8	71,0
SVI 420S	4	5,5	192,7			167,9	160,2	151,8	142,6	132,3	120,9	108,2	94,3	78,9
SVI 422S	4	5,5	212,0			184,6	176,3	167,0	156,8	145,5	133,0	119,1	103,7	86,7
SVI 424S	4	5,5	231,3			201,4	192,3	182,2	171,1	158,7	145,0	129,9	113,1	94,6

Performances in compliance with ISO 9906 - Annex A.

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SVI 8, 16 SERIES
TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		Q = DELIVERY											
			l/min 0	100	125	150	175	200	233	250	275	300	350	400
	m³/h 0	6	7,5	9	10,5	12	14	15	16,5	18	21	24		
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER											
SVI 801S	0,75	1	14,0	12,5	11,8	11,0	10,0	8,7	6,5					
SVI 802S	1,1	1,5	28,0	25,0	23,7	22,1	20,0	17,4	13,0					
SVI 803S	1,5	2	42,0	37,5	35,5	33,1	29,9	26,0	19,4					
SVI 804S	2,2	3	56,0	50,0	47,4	44,1	39,9	34,7	25,9					
SVI 805S	2,2	3	70,0	62,4	59,2	55,1	49,9	43,4	32,4					
SVI 806S	3	4	84,0	74,9	71,1	66,2	59,9	52,1	38,9					
SVI 808S	4	5,5	112,0	99,9	94,8	88,2	79,9	69,5	51,8					
SVI 809S	4	5,5	126,0	112,4	106,6	99,2	89,8	78,1	58,3					
SVI 811S	5,5	7,5	154,0	137,4	130,3	121,3	109,8	95,5	71,3					
SVI 812S	5,5	7,5	168,0	149,9	142,2	132,3	119,8	104,2	77,8					
SVI 814S	7,5	10	196,0	174,9	165,9	154,4	139,8	121,5	90,7					
SVI 816S	7,5	10	224,0	199,8	189,6	176,4	159,7	138,9	103,7					
SVI 1601S	1,1	1,5	16,9			16,0	15,6	15,1	14,3	13,8	13,0	12,1	9,8	6,9
SVI 1602S	2,2	3	33,7			32,0	31,2	30,2	28,6	27,6	26,0	24,1	19,6	13,9
SVI 1603S	3	4	50,6			48,0	46,8	45,3	42,9	41,5	39,0	36,2	29,4	20,8
SVI 1604S	4	5,5	67,5			64,0	62,4	60,4	57,2	55,3	52,0	48,3	39,1	27,7
SVI 1605S	5,5	7,5	84,3			80,0	78,0	75,6	71,5	69,1	65,0	60,3	48,9	34,6
SVI 1606S	5,5	7,5	101,2			96,0	93,6	90,7	85,8	82,9	78,0	72,4	58,7	41,6
SVI 1607S	7,5	10	118,1			112,0	109,2	105,8	100,1	96,7	91,0	84,5	68,5	48,5
SVI 1608S	7,5	10	134,9			128,0	124,8	120,9	114,4	110,6	104,0	96,5	78,3	55,4
SVI 1610S	11	15	168,7			160,0	156,0	151,1	143,0	138,2	130,0	120,7	97,9	69,3
SVI 1612S	11	15	202,4			192,0	187,2	181,3	171,6	165,8	156,1	144,8	117,4	83,1
SVI 1614S	15	20	236,1			224,0	218,4	211,6	200,2	193,5	182,1	168,9	137,0	97,0
SVI 1615S	15	20	253,0			240,0	234,1	226,7	214,5	207,3	195,1	181,0	146,8	103,9

Performances in compliance with ISO 9906 - Annex A.

svi8-16-2p50-en_a_th

SVI 33, 46 SERIES
TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		Q = DELIVERY											
	kW	HP	l/min 0	250	300	366,7	400	500	600	666,7	700	800	900	1000
			m³/h 0	15	18	22	24	30	36	40	42	48	54	60
H = TOTAL HEAD METRES COLUMN OF WATER														
SVI 3301/1S	2,2	3	17,4	16,2	15,7	14,9	14,3	12,2	9,3	6,7				
SVI 3301S	3	4	23,8	21,7	21,2	20,3	19,8	17,8	15,0	12,7				
SVI 3302/2S	4	5,5	35,1	34,1	33,3	31,8	30,8	26,9	21,4	16,6				
SVI 3302/1S	4	5,5	40,8	38,8	37,9	36,3	35,4	31,7	26,6	22,3				
SVI 3303/2S	5,5	7,5	57,7	55,2	53,8	51,4	49,9	44,1	36,2	29,6				
SVI 3303S	7,5	10	71,5	67,4	66,2	64,0	62,7	57,7	50,7	44,6				
SVI 3304S	11	15	95,9	91,1	89,7	87,2	85,7	79,6	70,8	63,1				
SVI 3305/1S	11	15	112,7	107,2	105,3	101,9	99,8	91,7	80,0	70,0				
SVI 3306/2S	15	20	131,2	126,9	124,6	120,3	117,7	107,5	93,2	81,2				
SVI 3307/2S	15	20	156,0	149,9	147,3	142,7	139,8	128,4	112,2	98,2				
SVI 3307S	18,5	25	170,3	162,8	160,2	155,7	153,0	142,2	126,7	113,2				
SVI 3308/1S	18,5	25	187,4	179,5	176,5	171,3	168,1	155,5	137,4	121,7				
SVI 3309/1S	22	30	210,2	201,2	197,8	191,8	188,2	173,8	153,4	135,9				
SVI 3310/2S	22	30	226,4	217,2	213,4	206,8	202,6	186,4	163,5	143,9				
SVI 3310S	30	40	241,8	231,3	227,8	221,7	217,9	202,9	181,1	162,1				
SVI 4601/1S	3	4	19,5			19,2	19,0	17,9	16,4	15,1	14,4	11,7	8,5	4,6
SVI 4601S	4	5,5	27,2			24,0	23,7	22,5	21,1	19,9	19,3	17,1	14,3	10,8
SVI 4602/2S	5,5	7,5	38,8			39,8	39,4	37,8	35,2	32,9	31,6	26,9	21,1	13,9
SVI 4602S	7,5	10	52,6			48,5	48,0	46,1	43,7	41,7	40,6	36,5	31,4	25,1
SVI 4603S	11	15	80,8			74,3	73,5	70,9	67,4	64,6	62,9	57,1	49,8	40,7
SVI 4604/2S	15	20	92,4			90,7	89,9	86,9	82,5	78,6	76,3	68,3	58,2	45,6
SVI 4605S	18,5	25	134,5			125,1	124,0	120,0	114,7	110,2	107,6	98,3	86,4	71,5
SVI 4606S	22	30	161,0			149,8	148,5	143,8	137,4	132,0	128,9	117,8	103,7	86,0
SVI 4607/2S	30	40	171,3			164,9	163,6	158,3	150,8	144,3	140,6	127,1	109,9	88,6
SVI 4608/2S	30	40	198,2			190,0	188,4	182,4	173,8	166,4	162,2	146,9	127,3	103,1
SVI 4609/2S	30	40	224,8			214,5	212,6	205,6	195,7	187,3	182,5	165,2	143,2	116,0

Performances in compliance with ISO 9906 - Annex A.

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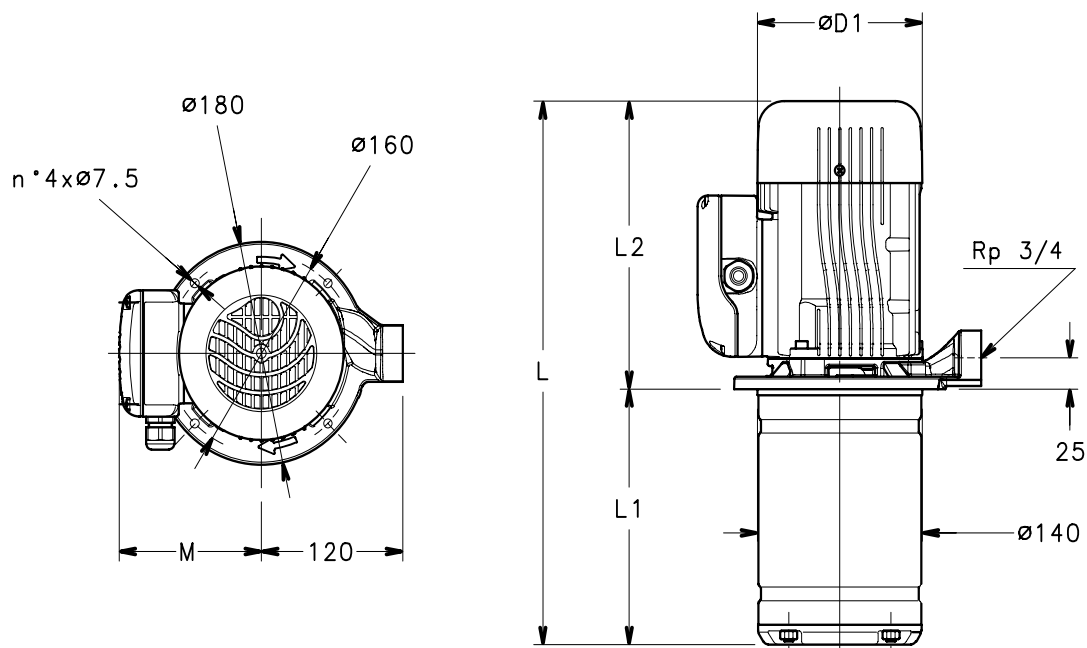
SVI 66, 92 SERIES
TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		Q = DELIVERY											
			l/min 0	500	600	750	900	1000	1100	1200	1416,7	1600	1800	2000
	m³/h 0	30	36	45	54	60	66	72	85	96	108	120		
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER											
SVI 6601/1S	4	5,5	23,8	21,4	20,7	19,4	17,8	16,6	15,1	13,3	8,3			
SVI 6601S	5,5	7,5	29,2	25,8	24,8	23,3	21,8	20,7	19,4	17,9	13,4			
SVI 6602/2S	7,5	10	47,5	42,6	41,2	38,6	35,5	32,9	30,0	26,4	16,4			
SVI 6602S	11	15	60,4	55,7	54,4	52,0	49,3	47,1	44,7	42,0	34,6			
SVI 6603/2S	15	20	78,4	71,6	69,6	65,9	61,5	57,9	53,8	49,0	35,3			
SVI 6603S	18,5	25	91,4	84,7	82,7	79,3	75,2	72,0	68,5	64,4	53,5			
SVI 6604/1S	22	30	115,2	105,9	103,1	98,5	92,9	88,6	83,6	77,8	61,7			
SVI 6605/1S	30	40	145,6	134,0	130,5	124,7	117,8	112,4	106,3	99,2	79,4			
SVI 9201/1S	5,5	7,5	24,5			22,2	21,5	20,9	20,2	19,4	17,3	15,0	11,8	7,9
SVI 9201S	7,5	10	33,5			28,7	27,2	26,2	25,3	24,3	22,2	20,2	17,6	14,3
SVI 9202/2S	11	15	49,4			45,1	43,7	42,5	41,2	39,6	35,5	30,9	24,6	16,8
SVI 9202S	15	20	67,8			58,2	55,3	53,4	51,4	49,5	45,3	41,4	36,3	29,6
SVI 9203/2S	18,5	25	82,4			74,4	71,6	69,6	67,3	64,8	58,6	52,2	43,6	32,9
SVI 9203S	22	30	102,2			88,2	84,0	81,2	78,4	75,5	69,2	63,4	55,9	46,3
SVI 9204/2S	30	40	115,7			104,0	99,9	97,0	93,8	90,4	82,2	73,8	62,8	49,0
SVI 9204S	30	40	133,1			117,0	111,7	108,0	104,4	100,6	92,3	84,6	74,8	62,5

Performances in compliance with ISO 9906 - Annex A.

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SVI 2 (E, EN) SERIES DIMENSIONS AND WEIGHTS



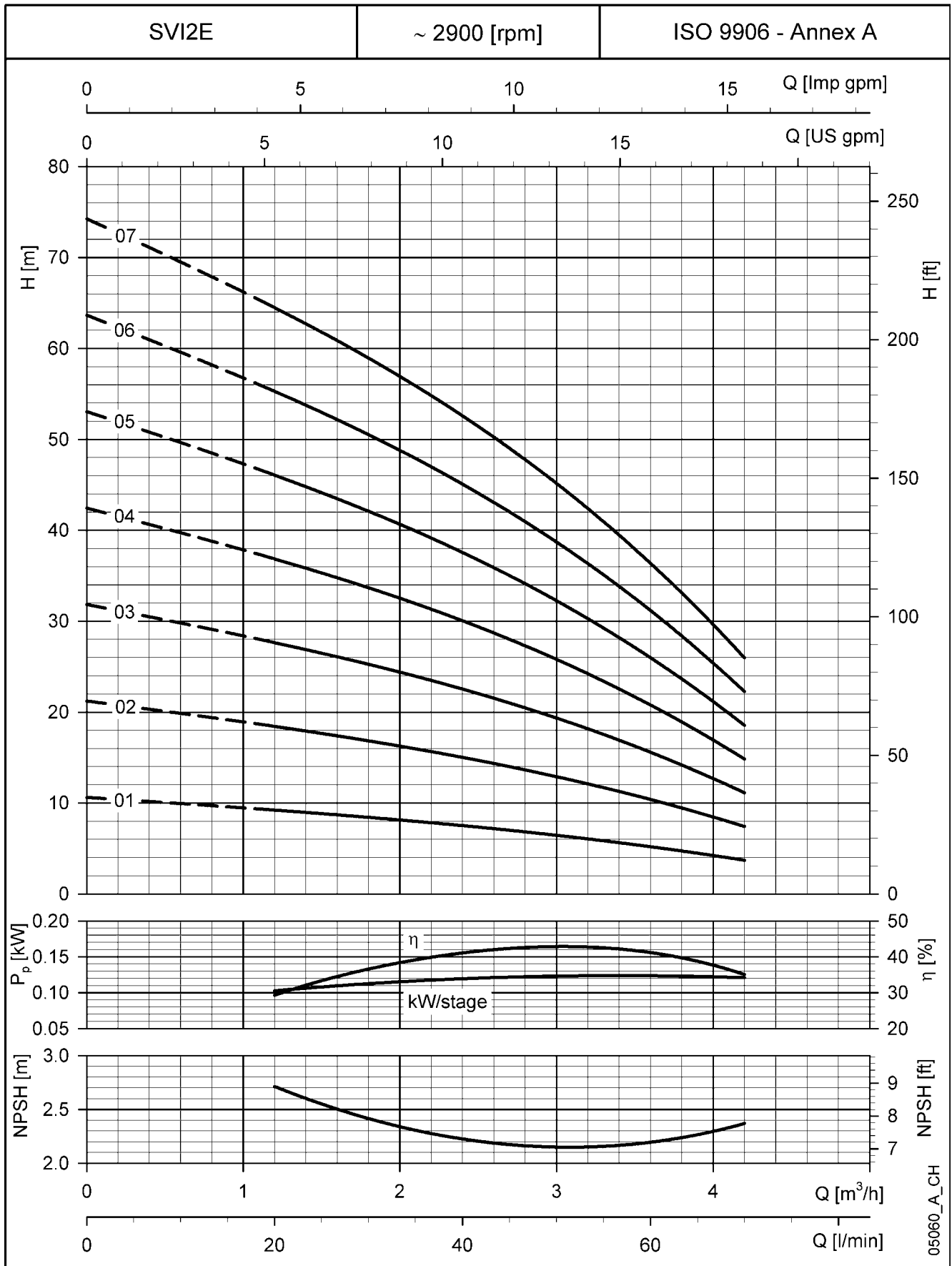
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PUMP TYPE	MOTOR		DIMENSIONS (mm)					ELECTRIC PUMP WEIGHT kg
	kW	SIZE	L	L1	L2	M	D1	
SVI201/03E03T	0,37	63	324	106	218	111	120	8,8
SVI202/03E03T	0,37	63	324	106	218	111	120	8,9
SVI203/03E04T	0,45	63	324	106	218	111	120	9,8
SVI204/04E05T	0,55	63	349	131	218	111	120	10,6
SVI205/05E07T	0,75	71	388	156	232	121	140	13,5
SVI206/06E07T	0,75	71	413	181	232	121	140	13,9
SVI207/07E09T	0,9	71	438	206	232	121	140	15

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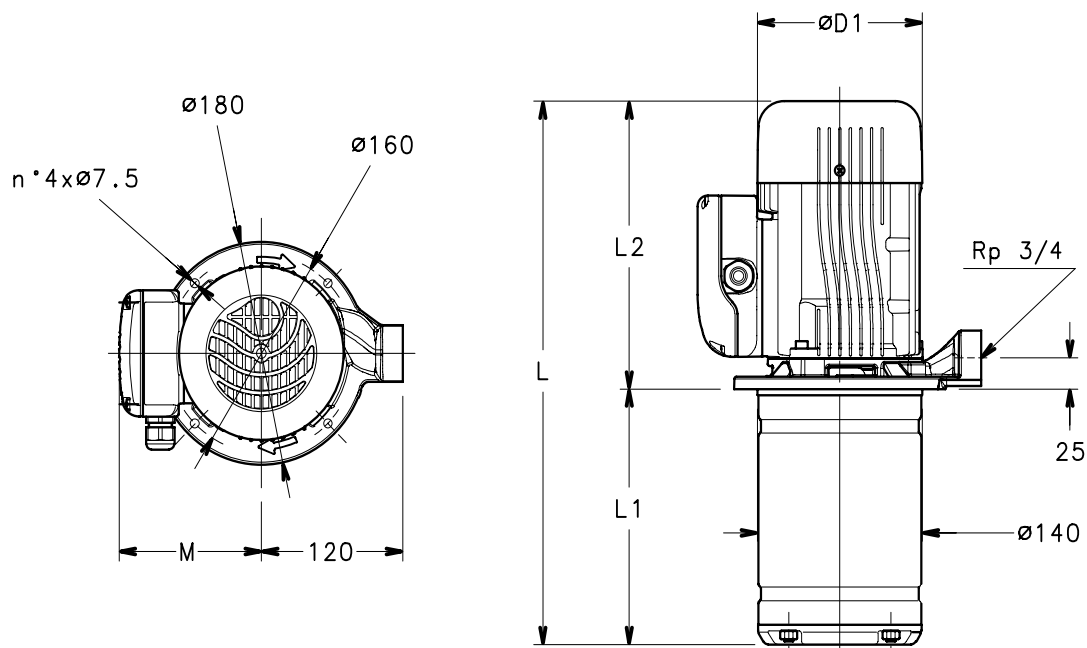
	PUMP TYPE	MOTOR		DIMENS. L2 mm	NUMBER OF STAGES							
					3	4	5	6	7	8	10	13
		kW	SIZE		L1 Shank lengths in mm (AVAILABLE ON REQUEST)							
N. OF IMPELLERS	SVI201/..	0,37	63	218	106	131	156	181	206	231	281	356
	SVI202/..	0,37	63	218	106	131	156	181	206	231	281	356
	SVI203/..	0,45	63	218	106	131	156	181	206	231	281	356
	SVI204/..	0,55	63	218		131	156	181	206	231	281	356
	SVI205/..	0,75	71	232			156	181	206	231	281	356
	SVI206/..	0,75	71	232				181	206	231	281	356
	SVI207/..	0,9	71	232					206	231	281	356

svi2e-en_a_tcm

**SVI 2 (E, EN) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 4 (E, EN) SERIES DIMENSIONS AND WEIGHTS



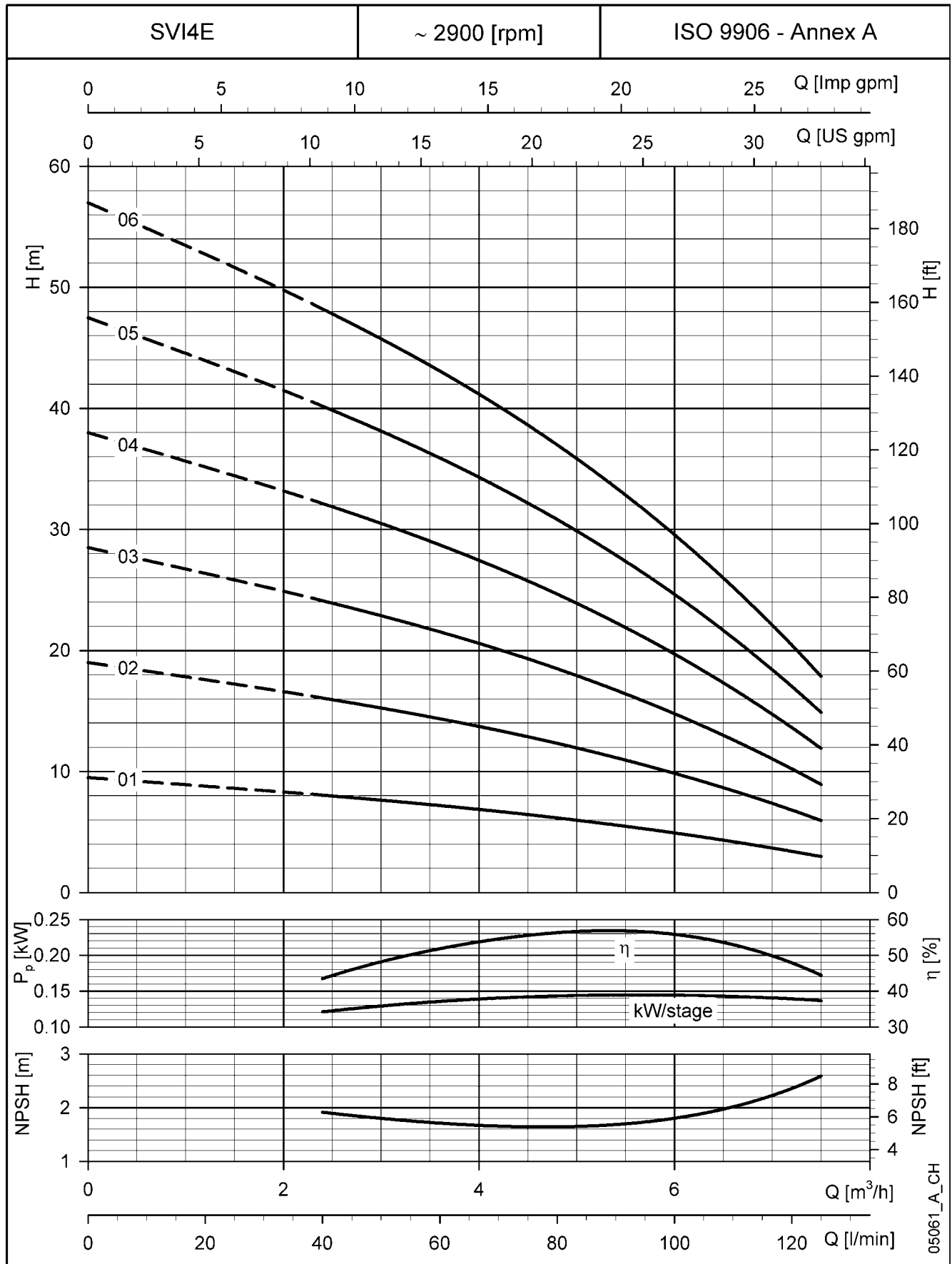
05000A_B_DD

PUMP TYPE	MOTOR		DIMENSIONS (mm)					ELECTRIC PUMP WEIGHT
	kW	SIZE	L	L1	L2	M	D1	kg
SVI401/03E03T	0,37	63	324	106	218	111	120	8,8
SVI402/03E03T	0,37	63	324	106	218	111	120	8,9
SVI403/03E04T	0,45	63	324	106	218	111	120	9,8
SVI404/04E05T	0,55	63	349	131	218	111	120	10,6
SVI405/05E07T	0,75	71	388	156	232	121	140	13,5
SVI406/06E09T	0,9	71	413	181	232	121	140	14,6

svi4e-2p50-en_b_td

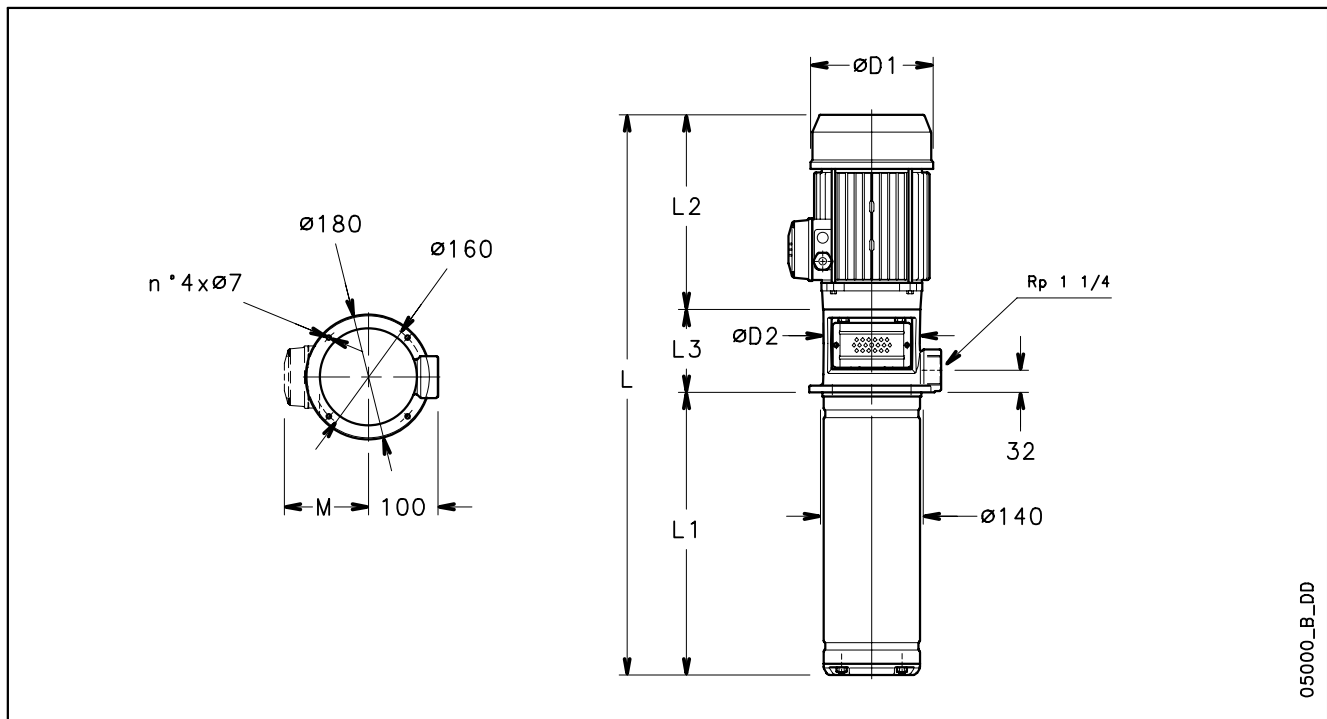
	PUMP TYPE	MOTOR		DIMENS. L2 mm	NUMBER OF STAGES							
		kW	SIZE		3	4	5	6	7	8	10	13
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)							
N. OF IMPELLERS	SVI401/..	0,37	63	218	106	131	156	181	206	231	281	356
	SVI402/..	0,37	63	218	106	131	156	181	206	231	281	356
	SVI403/..	0,45	63	218	106	131	156	181	206	231	281	356
	SVI404/..	0,55	63	218		131	156	181	206	231	281	356
	SVI405/..	0,75	71	232			156	181	206	231	281	356
	SVI406/..	0,99	71	232				181	206	231	281	356

svi4e-en_a_tcm

SVI 4 (E, EN) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 2 (S, N) SERIES DIMENSIONS AND WEIGHTS



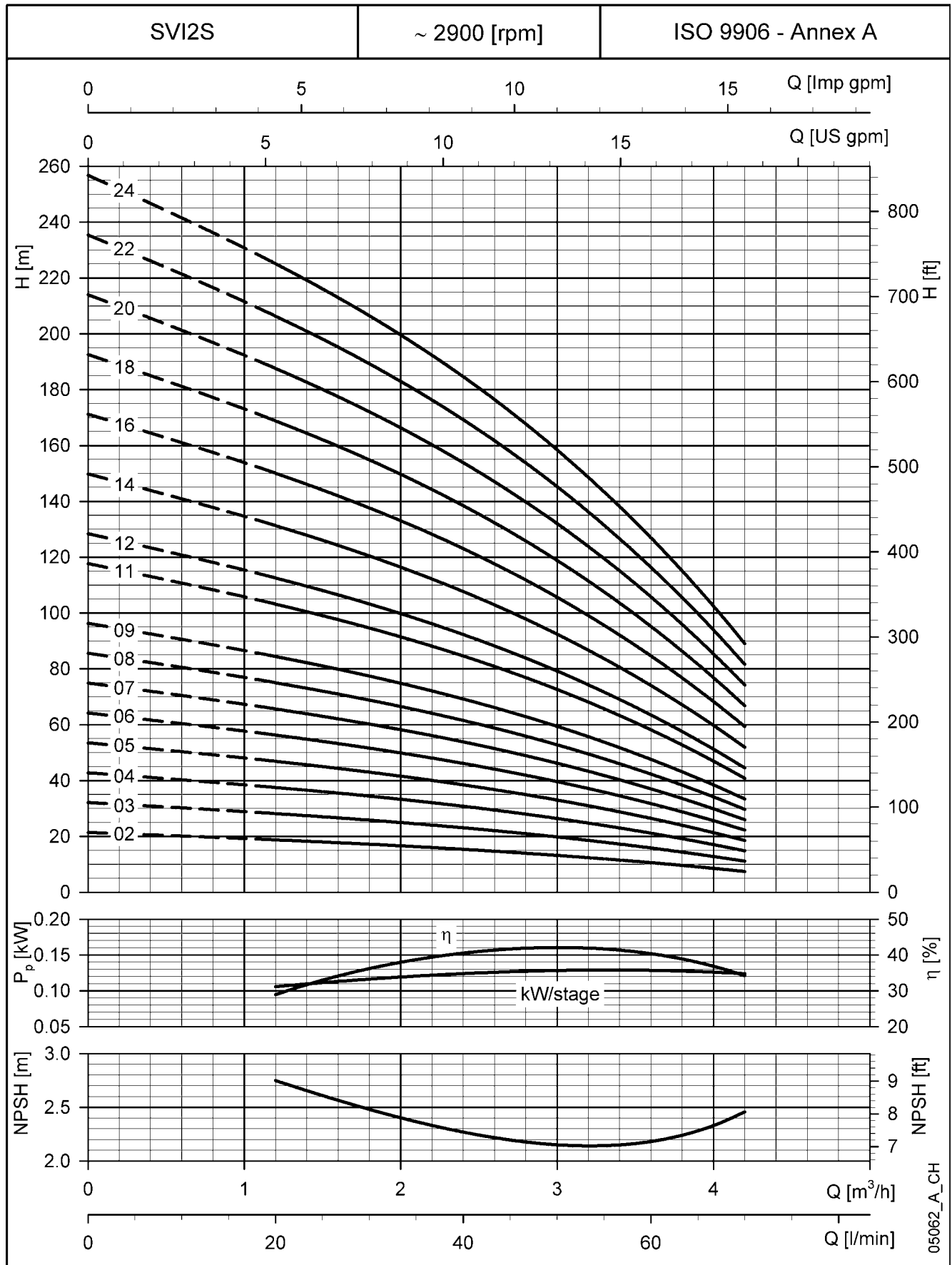
05000_B_DD

PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT	
	kW	SIZE	L	L1	L2	L3	M	D1	D2	kg	
SVI202/02S03T	0,37	71	416	107	209	100	111	120	105	14	
SVI203/03S03T	0,37	71	441	132	209	100	111	120	105	14	
SVI204/04S05T	0,55	71	488	157	231	100	121	140	105	15	
SVI205/05S07T	0,75	80	518	182	226	110	121	140	120	18	
SVI206/06S07T	0,75	80	543	207	226	110	121	140	120	18	
SVI207/07S11T	1,1	80	604	231	263	110	129	155	120	19	
SVI208/08S11T	1,1	80	629	256	263	110	129	155	120	19	
SVI209/09S11T	1,1	80	654	281	263	110	129	155	120	20	
SVI211/11S15T	1,5	90	714	331	263	120	129	155	140	25	
SVI212/12S15T	1,5	90	739	356	263	120	129	155	140	25	
SVI214/14S22T	2,2	90	789	406	263	120	129	155	140	27	
SVI216/16S22T	2,2	90	839	456	263	120	129	155	140	28	
SVI218/18S22T	2,2	90	889	506	263	120	129	155	140	29	
SVI220/20S30T	3	100	984	556	298	130	134	174	160	35	
SVI222/22S30T	3	100	1034	606	298	130	134	174	160	35	
SVI224/24S30T	3	100	1084	656	298	130	134	174	160	36	

svi2s-2p50-en_b_td

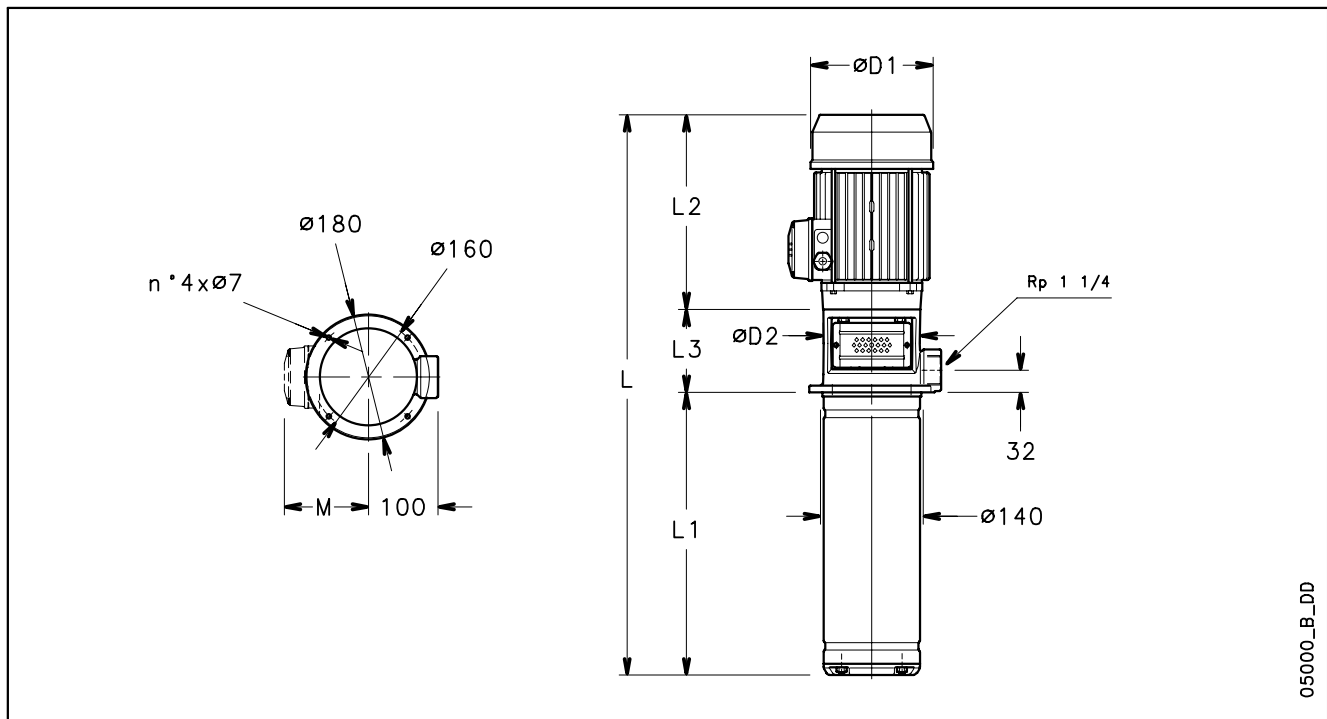
	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES																	
					2	3	4	5	6	7	8	9	11	12	13	14	15	16	18	20	22	24
		L1 Shank lengths in mm (AVAILABLE ON REQUEST)																				
NUMBER OF IMPELLERS	SVI202/..	0,37	71	309	107	132	157	182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI203/..	0,37	71	309		132	157	182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI204/..	0,55	71	331			157	182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI205/..	0,75	80	336				182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI206/..	0,75	80	336					207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI207/..	1,1	80	373						231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI208/..	1,1	80	373							256	281	331	356	381	406	431	456	506	556	606	656
	SVI209/..	1,1	80	373								281	331	356	381	406	431	456	506	556	606	656
	SVI211/..	1,5	90	383									331	356	381	406	431	456	506	556	606	656
	SVI212/..	1,5	90	383										356	381	406	431	456	506	556	606	656
	SVI214/..	2,2	90	383												406	431	456	506	556	606	656
	SVI216/..	2,2	90	383														456	506	556	606	656
	SVI218/..	2,2	90	383															506	556	606	656
	SVI220/..	3	100	428																556	606	656
	SVI222/..	3	100	428																	606	656
	SV224/..	3	100	428																		

svi2s-en_a_tcm

**SVI 2 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 4 (S, N) SERIES DIMENSIONS AND WEIGHTS



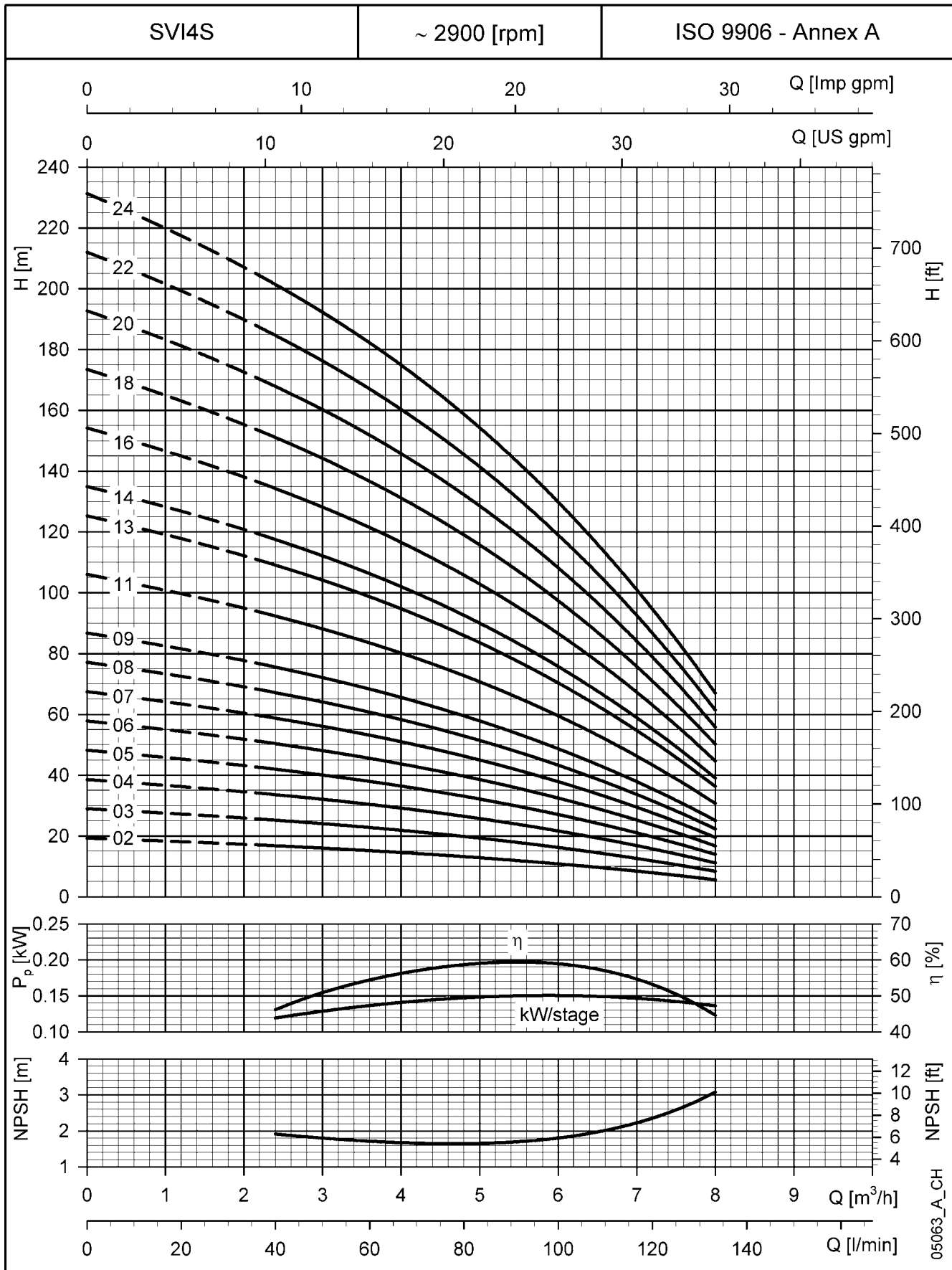
05000_B_DD

PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT	
	kW	SIZE	L	L1	L2	L3	M	D1	D2	kg	
SVI402/02S03T	0,37	71	416	107	209	100	111	120	105	14	
SVI403/03S05T	0,55	71	463	132	231	100	111	140	105	14	
SVI404/04S07T	0,75	80	493	157	226	110	121	140	120	17	
SVI405/05S11T	1,1	80	555	182	263	110	121	155	120	18	
SVI406/06S11T	1,1	80	580	207	263	110	121	155	120	18	
SVI407/07S11T	1,1	80	604	231	263	110	129	155	120	19	
SVI408/08S15T	1,5	90	639	256	263	120	129	155	140	24	
SVI409/09S15T	1,5	90	664	281	263	120	129	155	140	24	
SVI411/11S22T	2,2	90	714	331	263	120	129	155	140	26	
SVI413/13S22T	2,2	90	764	381	263	120	129	155	140	27	
SVI414/14S30T	3	100	834	406	298	130	134	174	160	35	
SVI416/16S30T	3	100	884	456	298	130	134	174	160	35	
SVI418/18S30T	3	100	934	506	298	130	134	174	160	35	
SVI420/20S40T	4	112	1005	556	319	130	154	197	160	51	
SVI422/22S40T	4	112	1055	606	319	130	154	197	160	51	
SVI424/24S40T	4	112	1105	656	319	130	154	197	160	52	

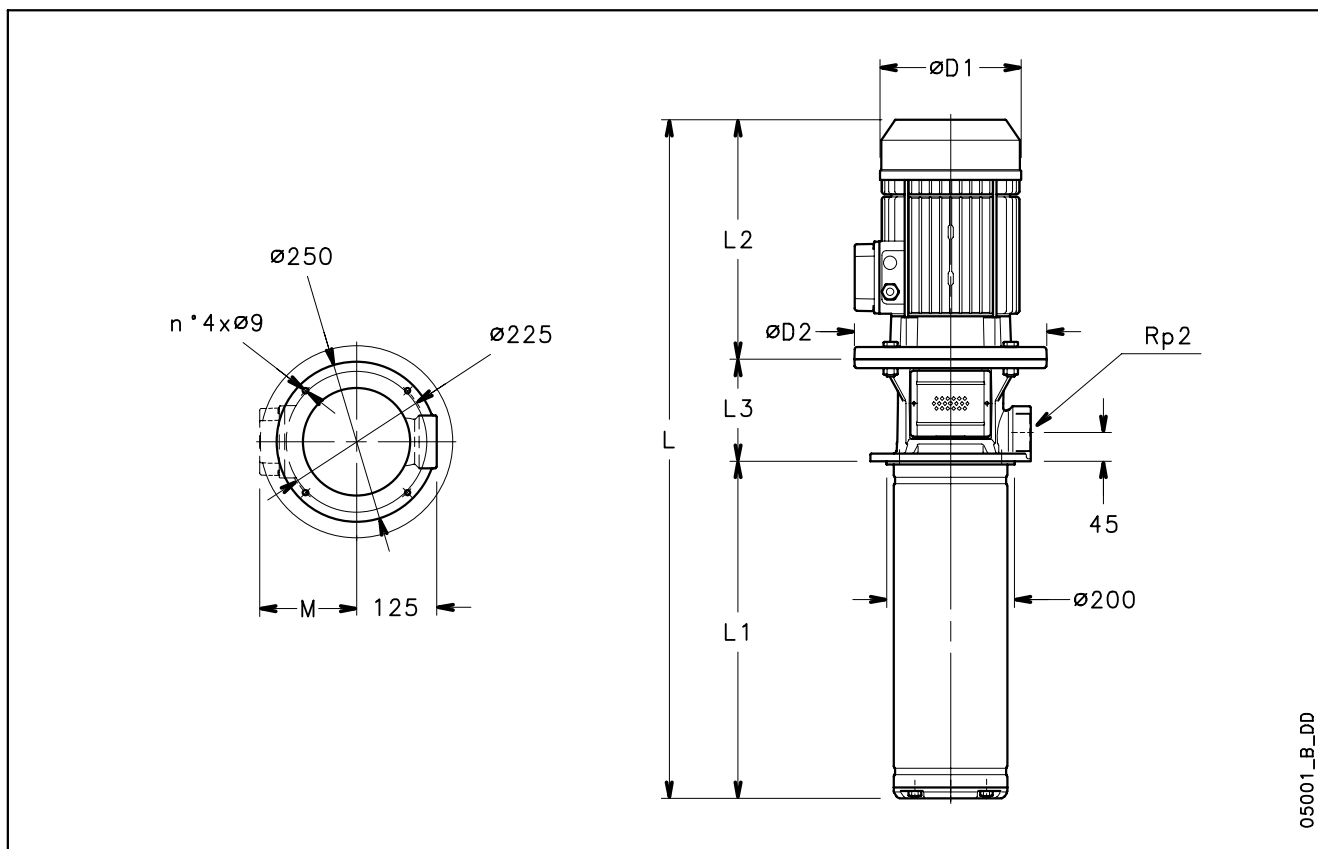
svi4s-2p50-en_b_td

	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES																	
		kW	SIZE		2	3	4	5	6	7	8	9	11	12	13	14	15	16	18	20	22	24
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)																	
NUMBER OF IMPELLERS	SVI402/..	0,37	71	309	107	132	157	182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI403/..	0,55	71	331		132	157	182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI404/..	0,75	80	336			157	182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI405/..	1,1	80	373				182	207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI406/..	1,1	80	373					207	231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI407/..	1,1	80	373						231	256	281	331	356	381	406	431	456	506	556	606	656
	SVI408/..	1,5	90	383							256	281	331	356	381	406	431	456	506	556	606	656
	SVI409/..	1,5	90	383								281	331	356	381	406	431	456	506	556	606	656
	SVI411/..	2,2	90	383									331	356	381	406	431	456	506	556	606	656
	SVI413/..	2,2	90	383										356	381	406	431	456	506	556	606	656
	SVI414/..	3	100	428											381	406	431	456	506	556	606	656
	SVI416/..	3	100	428												406	431	456	506	556	606	656
	SVI418/..	3	100	428													431	456	506	556	606	656
	SVI420/..	4	112	449														456	506	556	606	656
	SVI422/..	4	112	449															506	556	606	656
	SVI424/..	4	112	449																	606	656

svi4s-en_a_tcm

**SVI 4 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


SVI 8 (S, N) SERIES DIMENSIONS AND WEIGHTS



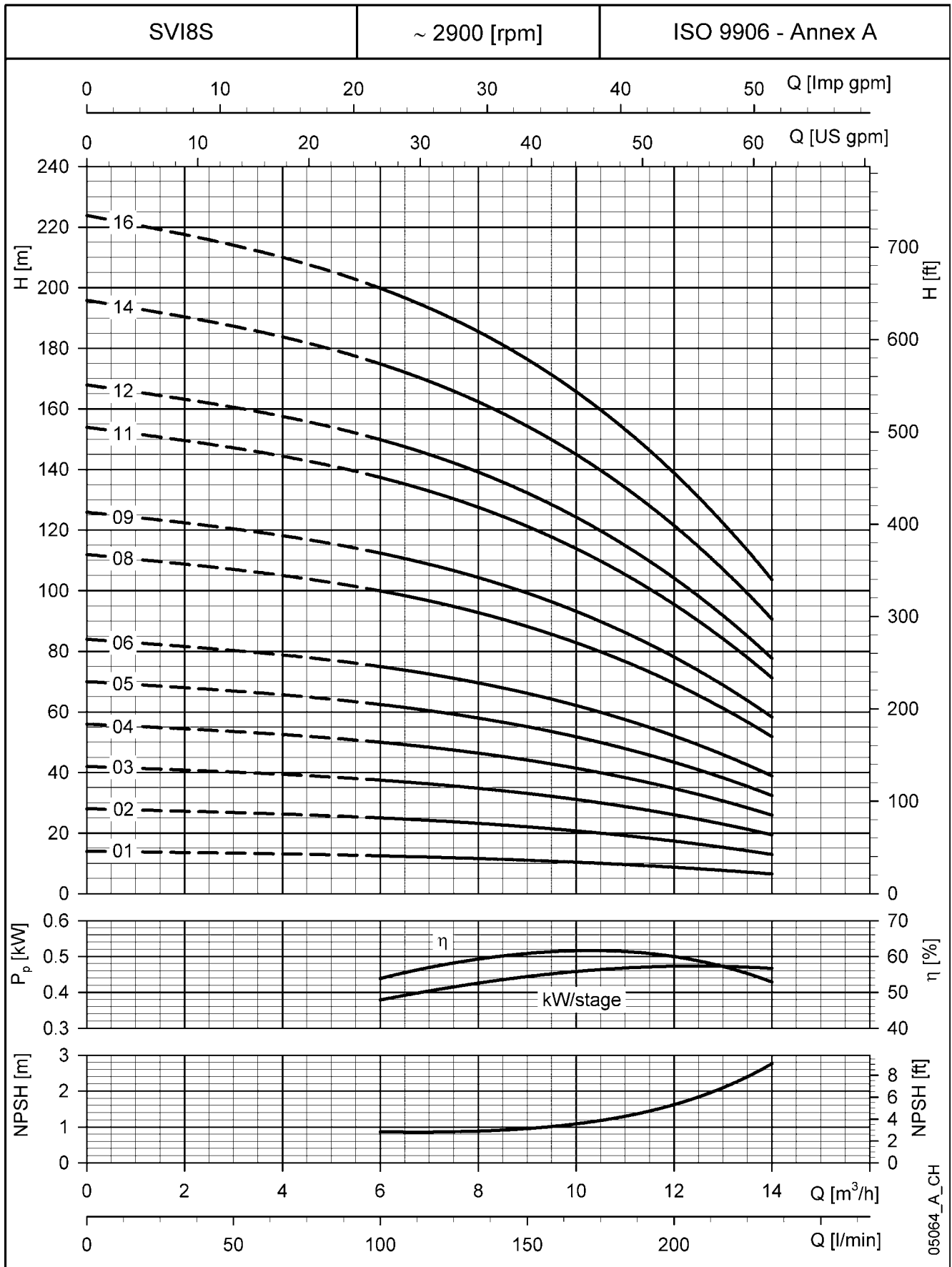
05001_B_DD

PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT
	kW	SIZE	L	L1	L2	L3	M	D1	D2	kg
SVI801/02S07T	0,75	80	491	146	226	119	121	140	120	22
SVI802/02S11T	1,1	80	528	146	263	119	129	155	120	23
SVI803/03S15T	1,5	90	576	184	263	129	129	155	140	28
SVI804/04S22T	2,2	90	614	222	263	129	129	155	140	30
SVI805/05S22T	2,2	90	652	260	263	129	129	155	140	31
SVI806/06S30T	3	100	735	298	298	139	134	174	160	40
SVI808/08S40T	4	112	832	374	319	139	154	197	160	57
SVI809/09S40T	4	112	870	412	319	139	154	197	160	58
SVI811/11S55T	5,5	132	1022	488	375	159	168	214	300	69
SVI812/12S55T	5,5	132	1060	526	375	159	168	214	300	70
SVI814/14S75T	7,5	132	1128	602	367	159	191	256	300	88
SVI816/16S75T	7,5	132	1204	678	367	159	191	256	300	89

svi8s-2p50-en_b_td

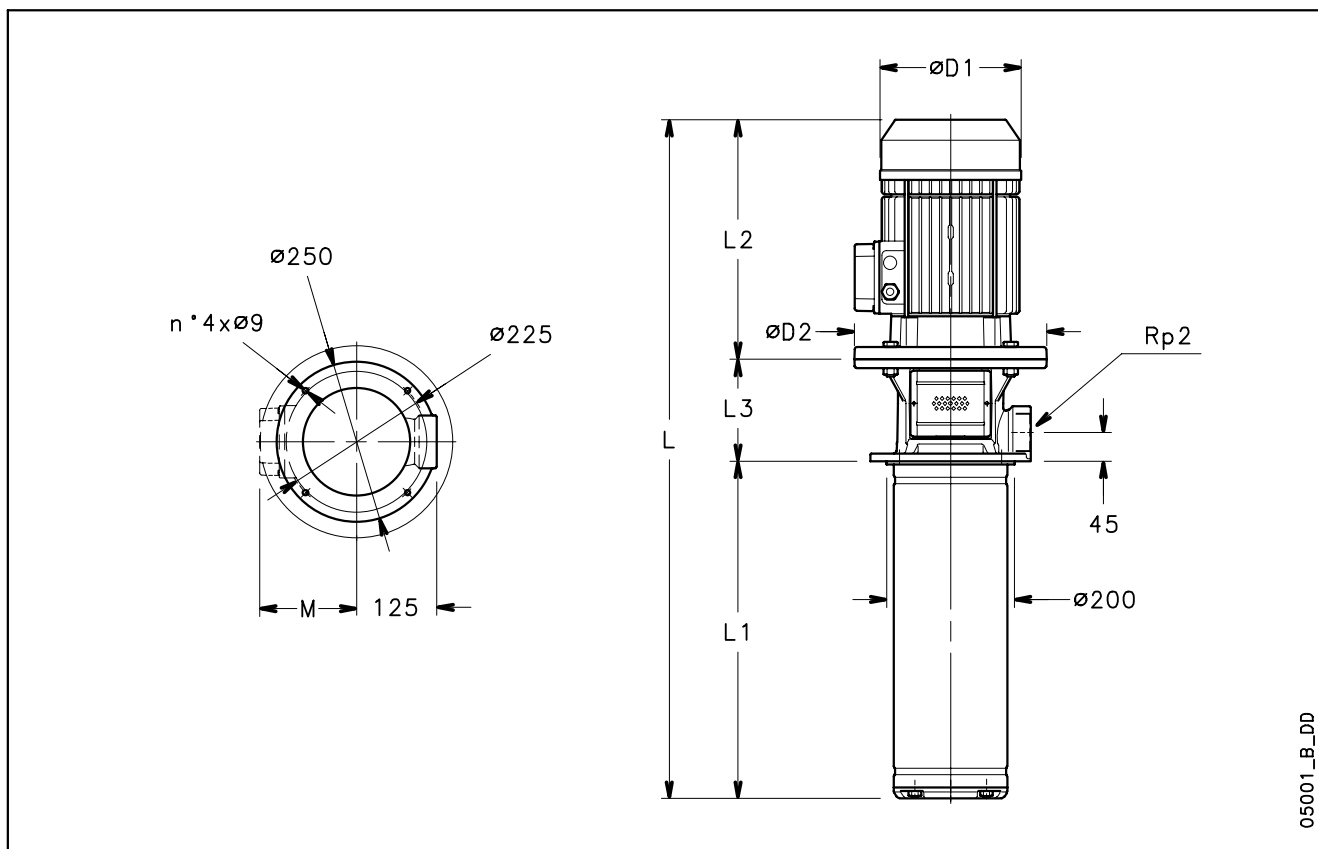
	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES													
					2	3	4	5	6	7	8	9	10	11	12	14	15	16
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)													
NUMBER OF IMPELLERS	SVI801/..	0,75	80	345	146	184	222	260	298	336	374	412	450	488	526	602	640	678
	SVI802/..	1,1	80	382	146	184	222	260	298	336	374	412	450	488	526	602	640	678
	SVI803/..	1,5	90	392		184	222	260	298	336	374	412	450	488	526	602	640	678
	SVI804/..	2,2	90	392			222	260	298	336	374	412	450	488	526	602	640	678
	SVI805/..	2,2	90	392				260	298	336	374	412	450	488	526	602	640	678
	SVI806/..	3	100	437					298	336	374	412	450	488	526	602	640	678
	SVI808/..	4	112	458						336	374	412	450	488	526	602	640	678
	SVI809/..	4	112	458							374	412	450	488	526	602	640	678
	SVI811/..	5,5	132	534								412	450	488	526	602	640	678
	SVI812/..	5,5	132	534									450	488	526	602	640	678
	SVI814/..	7,5	132	526											526	602	640	678
	SVI816/..	7,5	132	526												602	640	678

svi8s-en_a_tcm

**SVI 8 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 16 (S, N) SERIES DIMENSIONS AND WEIGHTS



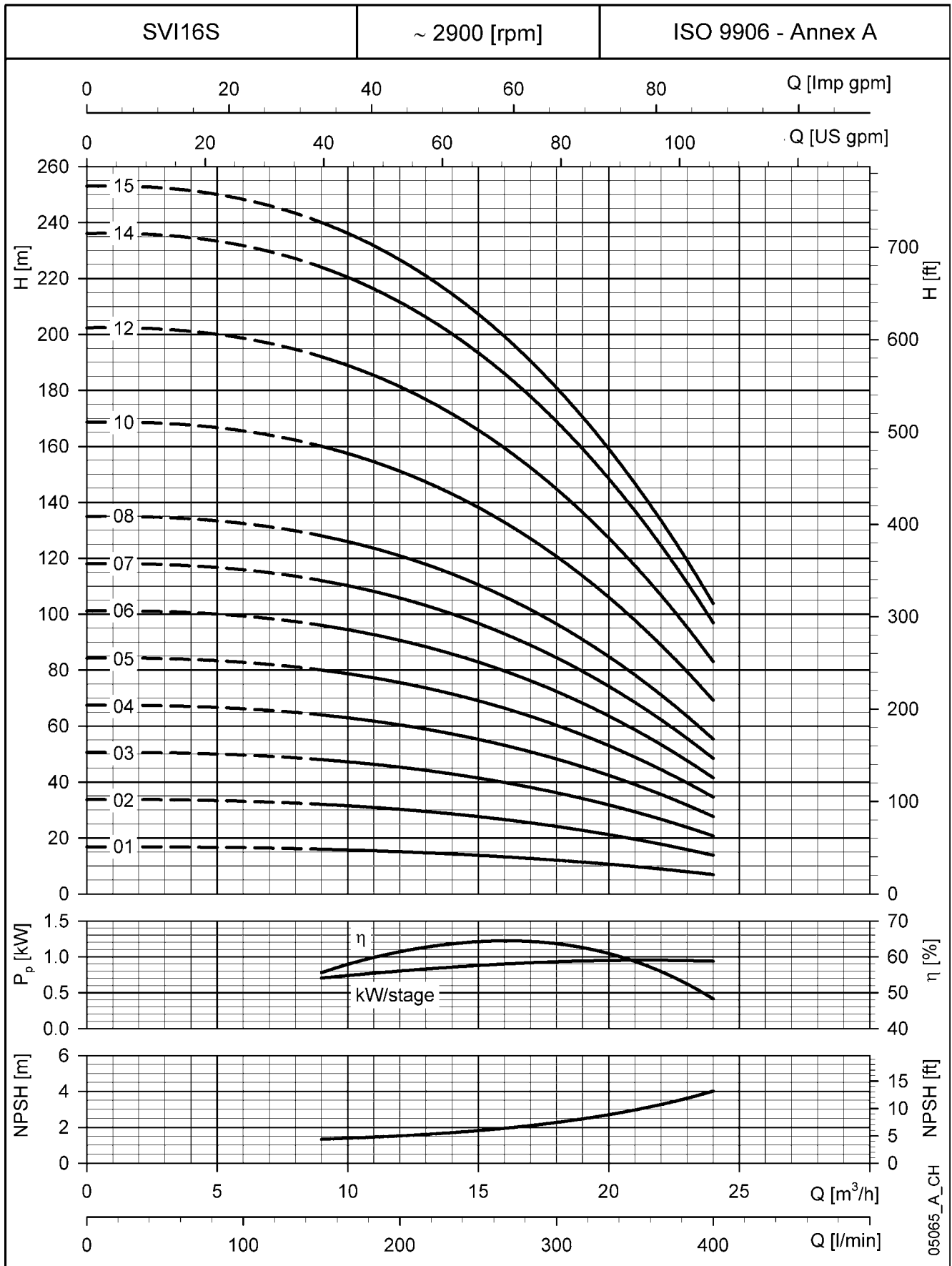
05001_B_DD

PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT
	kW	SIZE	L	L1	L2	L3	M	D1	D2	kg
SVI1601/02S11T	1,1	80	528	146	263	119	129	155	120	25
SVI1602/02S22T	2,2	90	538	146	263	129	129	155	140	30
SVI1603/03S30T	3	100	621	184	298	139	134	174	160	39
SVI1604/04S40T	4	112	680	222	319	139	154	197	160	57
SVI1605/05S55T	5,5	132	794	260	375	159	168	214	300	67
SVI1606/06S55T	5,5	132	832	298	375	159	168	214	300	68
SVI1607/07S75T	7,5	132	862	336	367	159	191	256	300	85
SVI1608/08S75T	7,5	132	900	374	367	159	191	256	300	86
SVI1610/10S110T	11	160	1069	450	428	191	191	256	350	119
SVI1612/12S110T	11	160	1145	526	428	191	191	256	350	121
SVI1614/14S150T	15	160	1287	602	494	191	240	313	350	130
SVI1615/15S150T	15	160	1325	640	494	191	240	313	350	131

svi16s-2p50-en_b_td

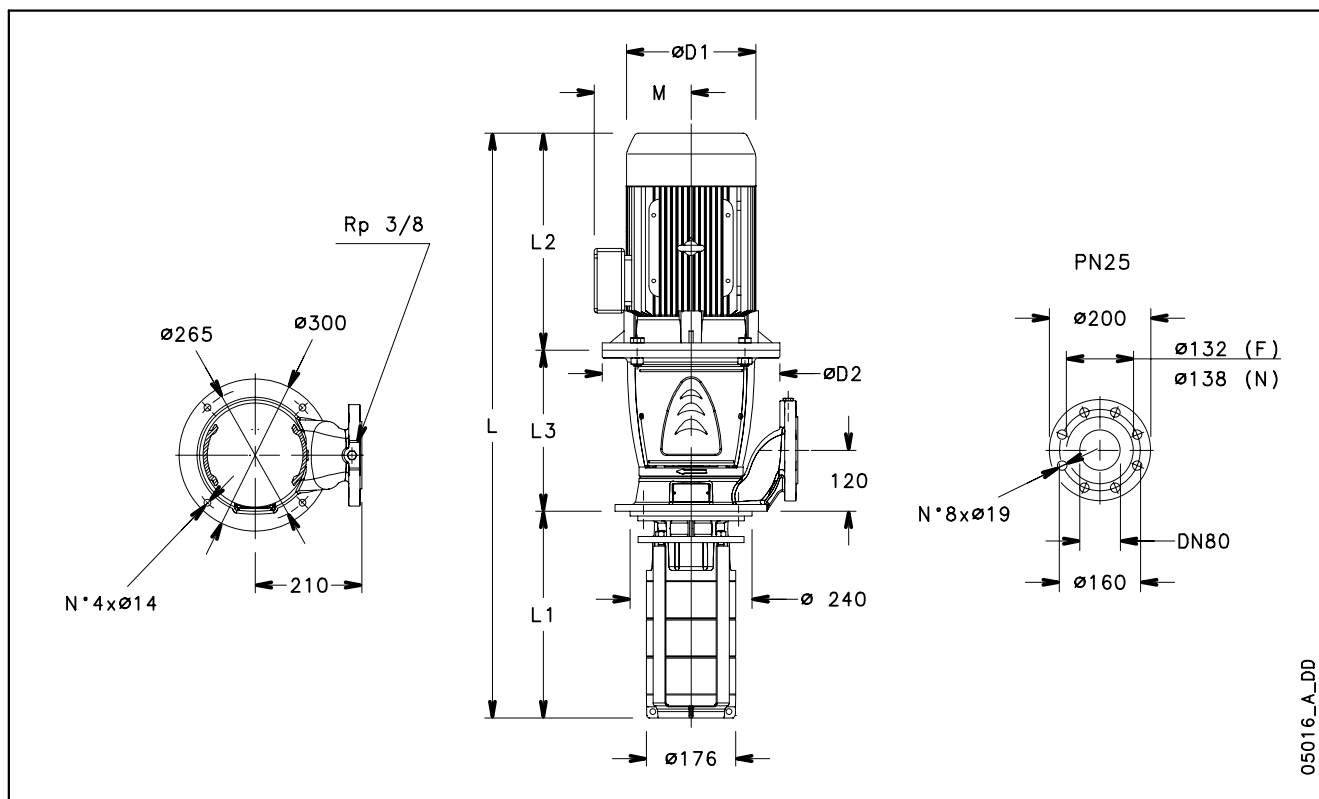
	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES													
		kW	SIZE		2	3	4	5	6	7	8	9	10	11	12	14	15	16
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)													
NUMBER OF IMPELLERS	SVI1601/..	1,1	80	382	146	184	222	260	298	336	374	412	450	488	526	602	640	678
	SVI1602/..	2,2	90	392	146	184	222	260	298	336	374	412	450	488	526	602	640	678
	SVI1603/..	3	100	437		184	222	260	298	336	374	412	450	488	526	602	640	678
	SVI1604/..	4	112	458			222	260	298	336	374	412	450	488	526	602	640	678
	SVI1605/..	5,5	132	534				260	298	336	374	412	450	488	526	602	640	678
	SVI1606/..	5,5	132	534					298	336	374	412	450	488	526	602	640	678
	SVI1607/..	7,5	132	526						336	374	412	450	488	526	602	640	678
	SVI1608/..	7,5	132	526							374	412	450	488	526	602	640	678
	SVI1610/..	11	160	619									450	488	526	602	640	678
	SVI1612/..	11	160	619											526	602	640	678
	SVI1614/..	15	160	685												602	640	678
	SVI1615/..	15	160	685													640	678

svi16s-en_a_tcm

**SVI 16 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 33 (S, N) SERIES DIMENSIONS AND WEIGHTS



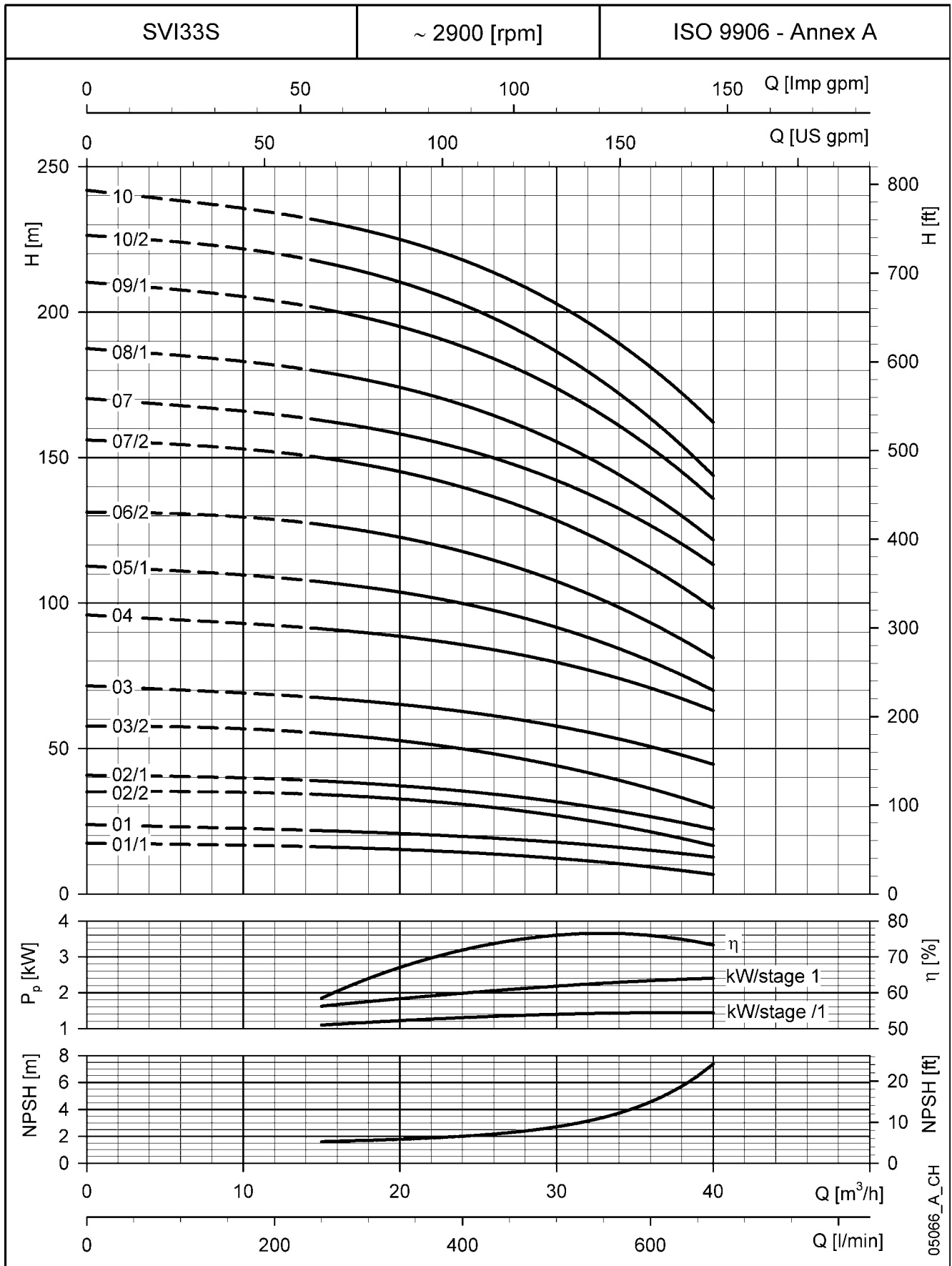
05016_A_DD

PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT	
	kW	SIZE	L	L1	L2	L3	M	D1	D2	kg	
SVI3301/1-01S22T	2,2	90	782	257	263	262	129	155	140	53	
SVI3301-01S30T	3	100	817	257	298	262	134	174	160	64	
SVI3302/2-02S40T	4	112	913	332	319	262	154	197	160	70	
SVI3302/1-02S40T	4	112	913	332	319	262	154	197	160	70	
SVI3303/2-03S55T	5,5	132	1064	407	375	282	168	214	300	88	
SVI3303-03S75T	7,5	132	1056	407	367	282	191	256	300	107	
SVI3304-04S110T	11	160	1227	482	428	317	191	256	350	128	
SVI3305/1-05S110T	11	160	1302	557	428	317	191	256	350	130	
SVI3306/2-06S150T	15	160	1443	632	494	317	240	313	350	165	
SVI3307/2-07S150T	15	160	1518	707	494	317	240	313	350	168	
SVI3307-07S185T	18,5	160	1518	707	494	317	240	313	350	176	
SVI3308/1-08S185T	18,5	160	1593	782	494	317	240	313	350	179	
SVI3309/1-09S220T	22	180	1668	857	494	317	240	313	350	193	
SVI3310/2-10S220T	22	180	1743	932	494	317	240	313	350	196	
SVI3310-10S300T	30	200	1862	932	613	317	278	354	400	207	

svi33s-2p50-en_a_td

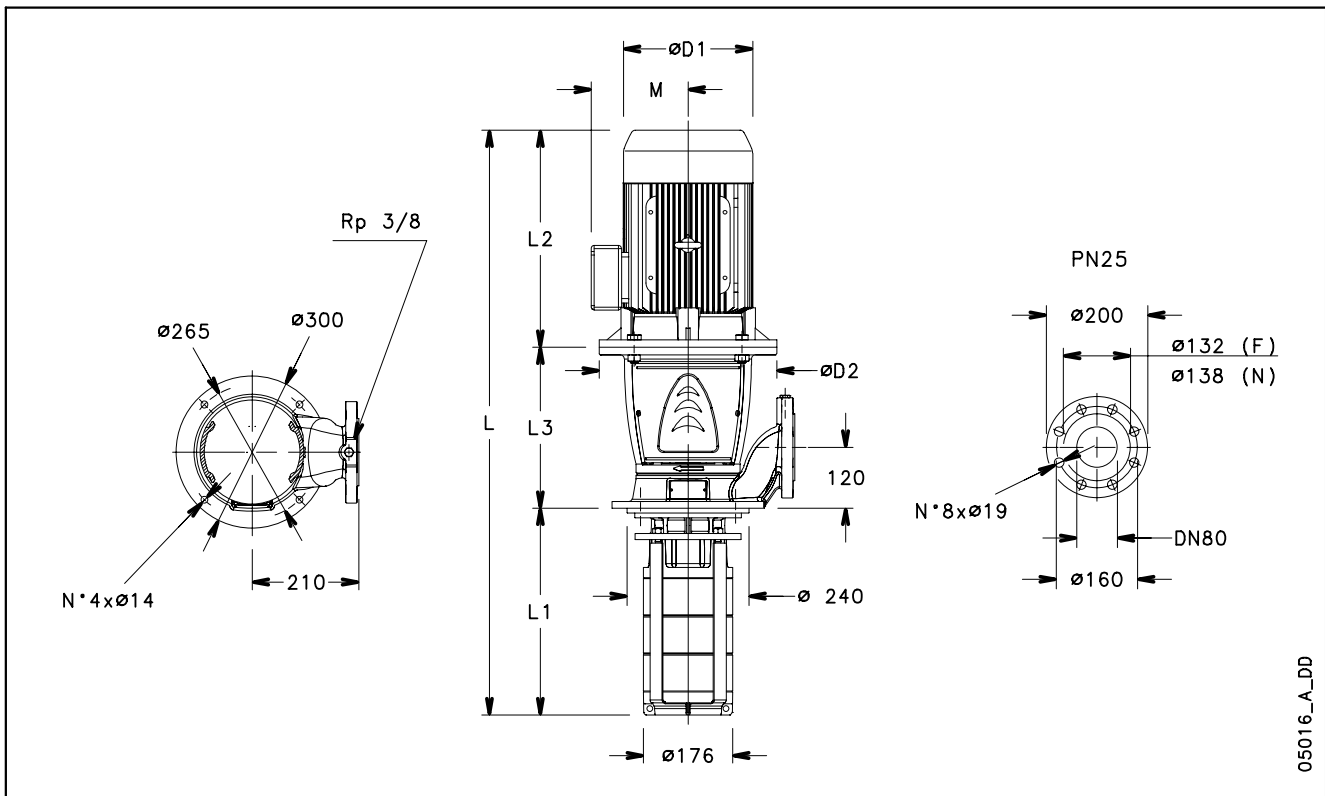
	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES											
		kW	SIZE		1	2	3	4	5	6	7	8	9	10	11	12
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)											
NUMBER OF IMPELLERS	SVI3301/1-..	2,2	90	525	257	332	407	482	557	632	707	782	857	932	1007	1082
	SVI3301-..	3	100	560	257	332	407	482	557	632	707	782	857	932	1007	1082
	SVI3302/2-..	4	112	581		332	407	482	557	632	707	782	857	932	1007	1082
	SVI3302/1-..	4	112	581		332	407	482	557	632	707	782	857	932	1007	1082
	SVI3303/2-..	5,5	132	657			407	482	557	632	707	782	857	932	1007	1082
	SVI3303-..	7,5	132	649			407	482	557	632	707	782	857	932	1007	1082
	SVI3304-..	11	160	745				482	557	632	707	782	857	932	1007	1082
	SVI3305/1-..	11	160	745					557	632	707	782	857	932	1007	1082
	SVI3306/2-..	15	160	811						632	707	782	857	932	1007	1082
	SVI3307/2-..	15	160	811							707	782	857	932	1007	1082
	SVI3307-..	18,5	160	811							707	782	857	932	1007	1082
	SVI3308/1-..	18,5	160	811								782	857	932	1007	1082
	SVI3309/1-..	22	180	811									857	932	1007	1082
	SVI3310/2-..	22	180	811										932	1007	1082
	SVI3310-..	30	200	930										932	1007	1082

svi33s-en_a_tcm

**SVI 33 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 46 (S, N) SERIES DIMENSIONS AND WEIGHTS

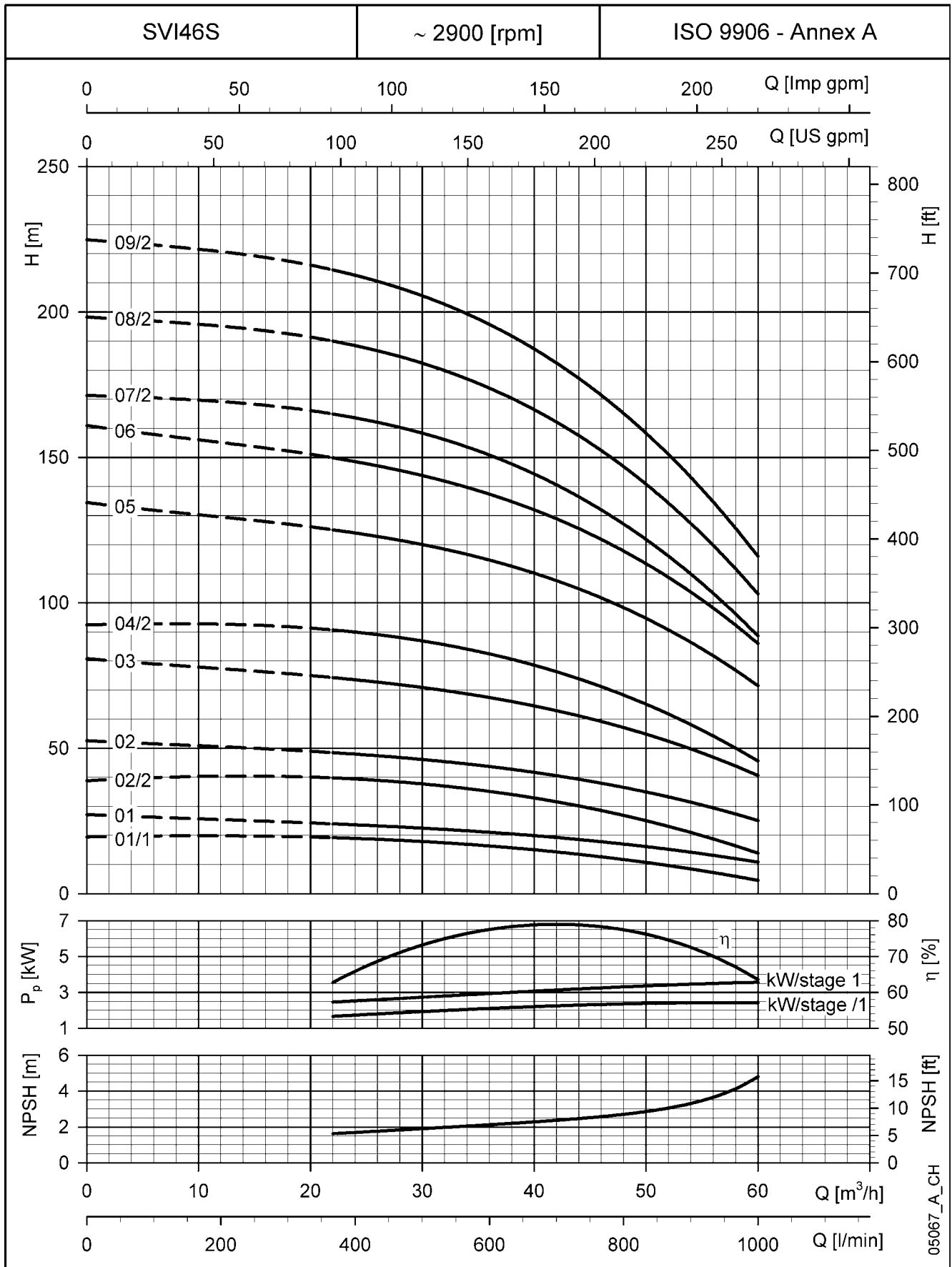


PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT
	kW	SIZE	L	L1	L2	L3	M	D1	D2	kg
SVI4601/1-01S30T	3	100	817	257	298	262	134	174	160	64
SVI4601-01S40T	4	112	838	257	319	262	154	197	160	67
SVI4602/2-02S55T	5,5	132	989	332	375	282	168	214	300	85
SVI4602-02S75T	7,5	132	981	332	367	282	191	256	300	104
SVI4603-03S110T	11	160	1152	407	428	317	191	256	350	125
SVI4604/2-04S150T	15	160	1293	482	494	317	240	313	350	159
SVI4605-05S185T	18,5	160	1368	557	494	317	240	313	350	171
SVI4606-06S220T	22	180	1443	632	494	317	240	313	350	185
SVI4607/2-07S300T	30	200	1637	707	613	317	278	354	400	205
SVI4608/2-08S300T	30	200	1712	782	613	317	278	354	400	208
SVI4609/2-09S300T	30	200	1787	857	613	317	278	354	400	210

svi46s-2p50-en_a_td

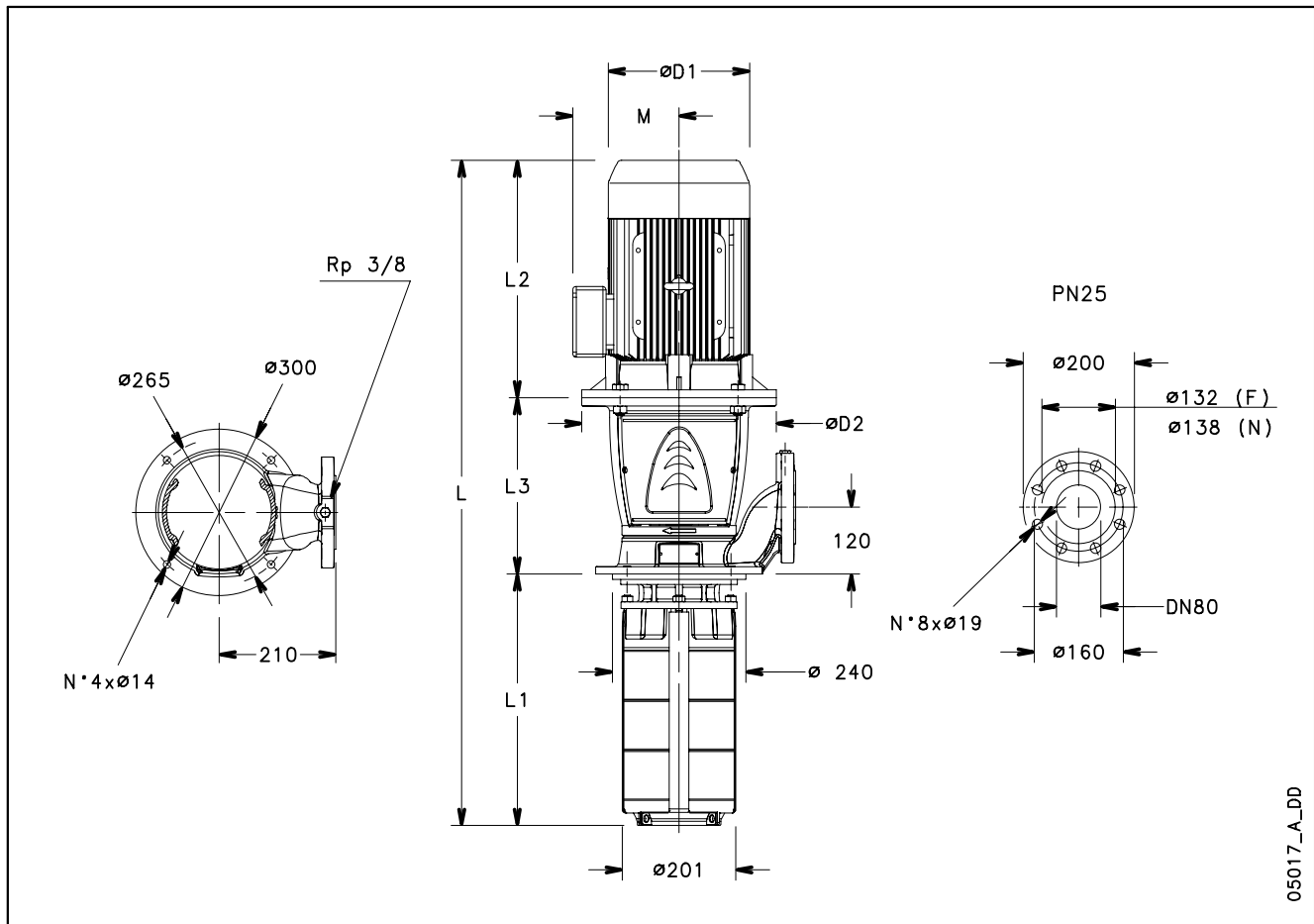
	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES											
		kW	SIZE		1	2	3	4	5	6	7	8	9	10	11	12
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)											
NUMBER OF IMPELLERS	SVI4601/1-..	3	100	560	257	332	407	482	557	632	707	782	857	932	1007	1082
	SVI4601-..	4	112	581	257	332	407	482	557	632	707	782	857	932	1007	1082
	SVI4602/2-..	5,5	132	657		332	407	482	557	632	707	782	857	932	1007	1082
	SVI4602-..	7,5	132	649		332	407	482	557	632	707	782	857	932	1007	1082
	SVI4603-..	11	160	745			407	482	557	632	707	782	857	932	1007	1082
	SVI4604/2-..	15	160	811				482	557	632	707	782	857	932	1007	1082
	SVI4605-..	18,5	160	811					557	632	707	782	857	932	1007	1082
	SVI4606-..	22	180	811						632	707	782	857	932	1007	1082
	SVI4607/2-..	30	200	930							707	782	857	932	1007	1082
	SVI4608/2-..	30	200	930								782	857	932	1007	1082
	SVI4609/2-..	30	200	930									857	932	1007	1082

svi46s-en a tcm

**SVI 46 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 66 (S, N) SERIES DIMENSIONS AND WEIGHTS

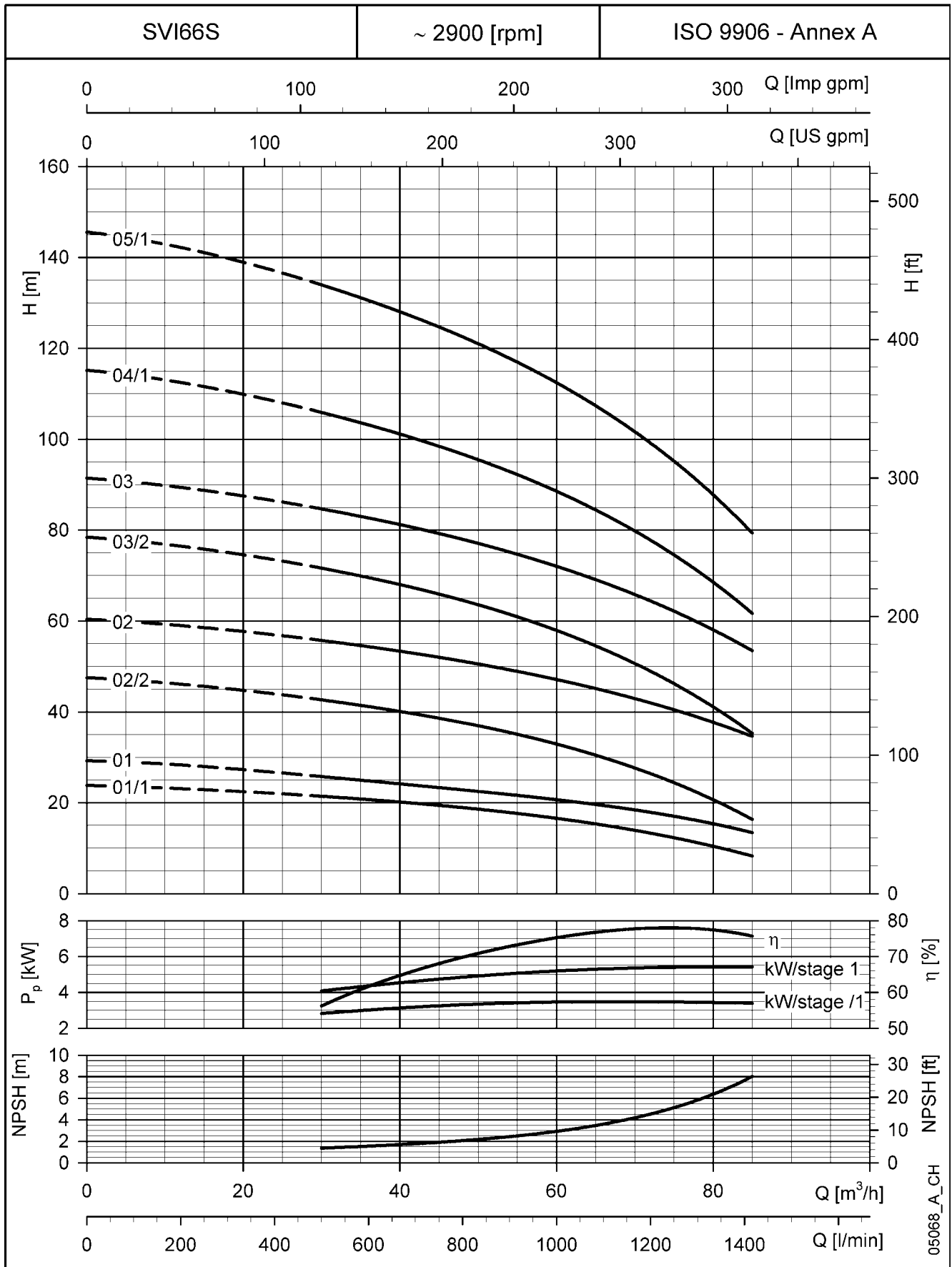


PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT kg
	kW	SIZE	L	L1	L2	L3	M	D1	D2	
SVI6601/1-01S40T	4	112	853	272	319	262	154	197	160	73
SVI6601-01S55T	5,5	132	929	272	375	282	168	214	300	83
SVI6602/2-02S75T	7,5	132	1011	362	367	282	191	256	300	109
SVI6602-02S110T	11	160	1107	362	428	317	191	256	350	124
SVI6603/2-03S150T	15	160	1263	452	494	317	240	313	350	159
SVI6603-03S185T	18,5	160	1263	452	494	317	240	313	350	160
SVI6604/1-04S220T	22	180	1353	542	494	317	240	313	350	190
SVI6605/1-05S300T	30	200	1562	632	613	317	278	354	400	203

svi66s-2p50-en_a_td

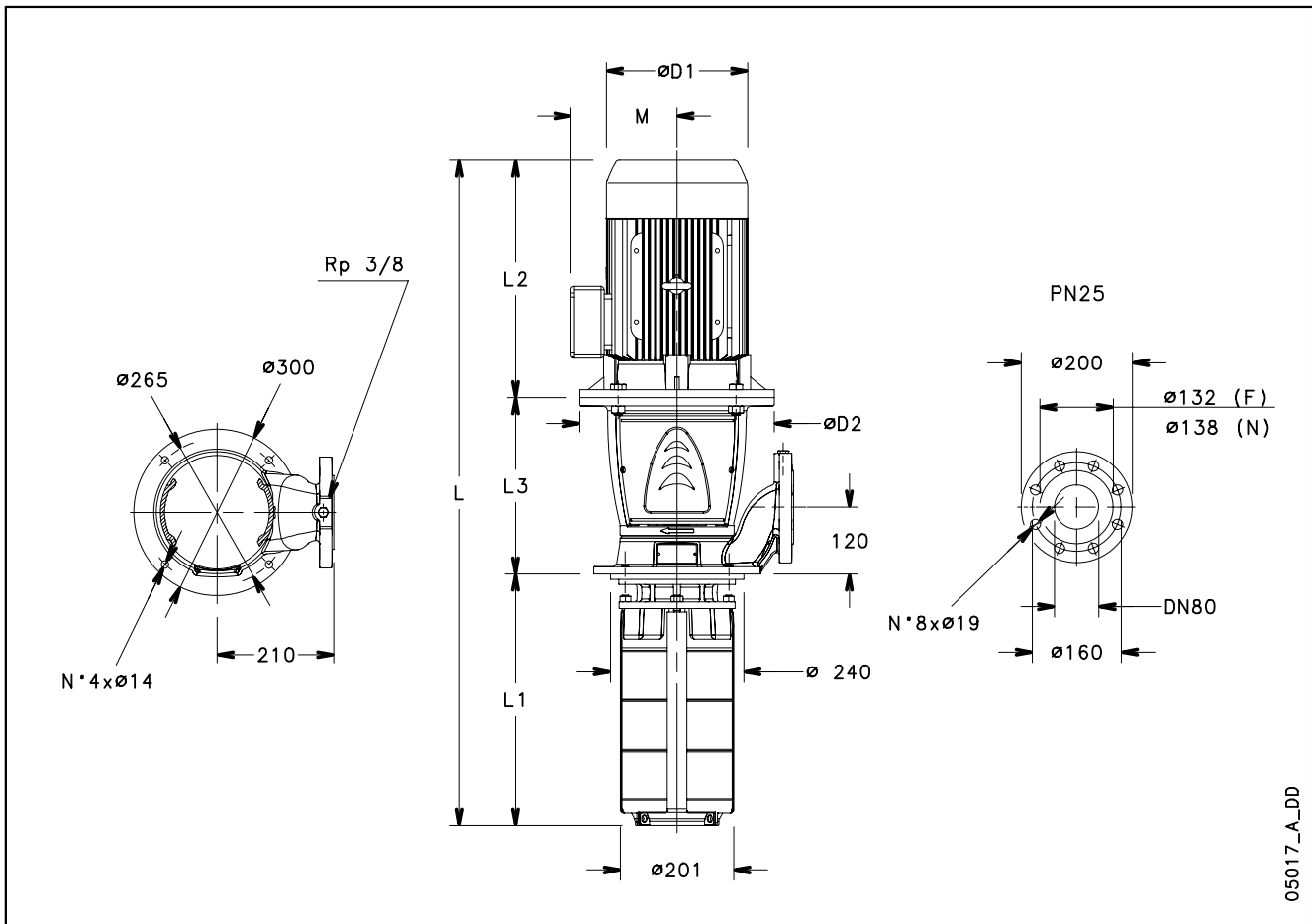
	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES									
		kW	SIZE		1	2	3	4	5	6	7	8	9	10
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)									
NUMBER OF IMPELLERS	SVI6601/1-..	4	112	581	272	362	452	542	632	722	812	902	992	1082
	SVI6601-..	5,5	132	657	272	362	452	542	632	722	812	902	992	1082
	SVI6602/2-..	7,5	132	649		362	452	542	632	722	812	902	992	1082
	SVI6602-..	11	160	745		362	452	542	632	722	812	902	992	1082
	SVI6603/2-..	15	160	811			452	542	632	722	812	902	992	1082
	SVI6603-..	18,5	160	811			452	542	632	722	812	902	992	1082
	SVI6604/1-..	22	180	811				542	632	722	812	902	992	1082
	SVI6605/1-..	30	200	930					632	722	812	902	992	1082

svi66s-en_a_tcm

**SVI 66 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 92 (S, N) SERIES DIMENSIONS AND WEIGHTS

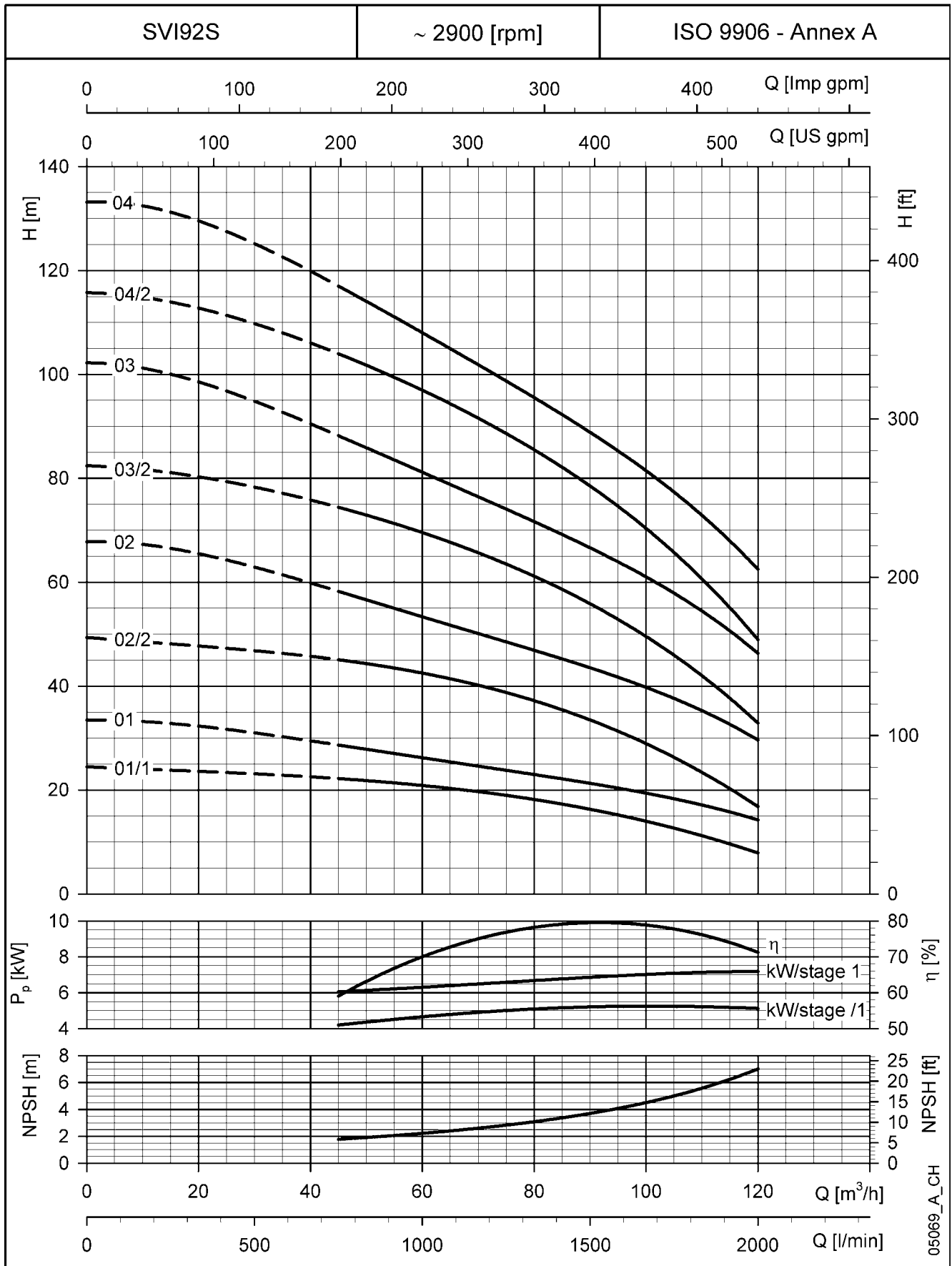


PUMP TYPE	MOTOR		DIMENSIONS (mm)							ELECTRIC PUMP WEIGHT kg
	kW	SIZE	L	L1	L2	L3	M	D1	D2	
SVI9201/1-01S55T	5,5	132	929	272	375	282	168	214	300	83
SVI9201-01S75T	7,5	132	921	272	367	282	191	256	300	101
SVI9202/2-02S110T	11	160	1107	362	428	317	191	256	350	123
SVI9202-02S150T	15	160	1173	362	494	317	240	313	350	155
SVI9203/2-03S185T	18,5	160	1263	452	494	317	240	313	350	167
SVI9203-03S220T	22	180	1263	452	494	317	240	313	350	179
SVI9204/2-04S300T	30	200	1472	542	613	317	278	354	400	200
SVI9204-04S300T	30	200	1472	542	613	317	278	354	400	200

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	PUMP TYPE	MOTOR		DIMENS. L2+L3 mm	NUMBER OF STAGES									
		kW	SIZE		1	2	3	4	5	6	7	8	9	10
					L1 Shank lengths in mm (AVAILABLE ON REQUEST)									
NUMBER OF IMPELLERS	SVI9201/1-..	5,5	132	657	272	362	452	542	632	722	812	902	992	1082
	SVI9201-..	7,5	132	649	272	362	452	542	632	722	812	902	992	1082
	SVI9202/2-..	11	160	745		362	452	542	632	722	812	902	992	1082
	SVI9202-..	15	160	811		362	452	542	632	722	812	902	992	1082
	SVI9203/2-..	18,5	160	811			452	542	632	722	812	902	992	1082
	SVI9203-..	22	180	811			452	542	632	722	812	902	992	1082
	SVI9204/2-..	30	200	930				542	632	722	812	902	992	1082
	SVI9204-..	30	200	930				542	632	722	812	902	992	1082

svi92s-en_a_tcm

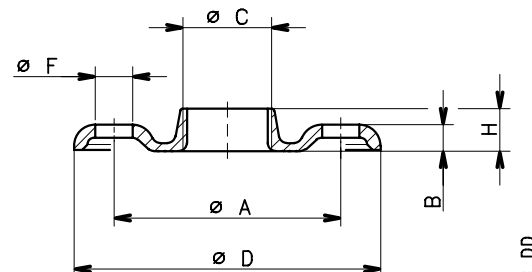
**SVI 92 (S, N) SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES**


These performances are valid for liquids with density $\rho = 1.0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

SVI 33, 46, 66, 92 SERIES (S, N VERSIONS) DIMENSIONS OF ROUND THREADED COUNTERFLANGES

PUMP TYPE	DN	ø C	DIMENSIONS (mm)				HOLES		PN
			ø A	B	ø D	H	ø F	N°	
SVI33	80	Rp 3	160	17	200	27	18	8	16
SVI46									
SVI66									
SVI92									

svi-ctf-tonde-f-en_a_td

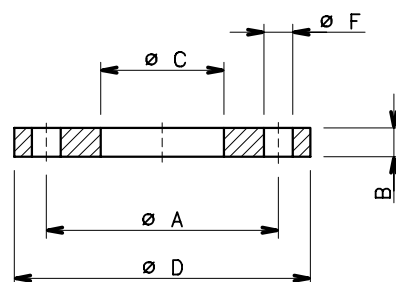


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SVI 33, 46, 66, 92 SERIES (S, N VERSIONS) DIMENSIONS PF ROUND WELD-ON COUNTERFLANGES

PUMP TYPE	DN	ø C	DIMENSIONS (mm)				HOLES		PN
			ø A	B	ø D		ø F	N°	
SVI33	80	90	160	20	200	18	8	16	
SVI46									
SVI66									
SVI92									
SVI33	80	90	160	24	200	18	8	25	
SVI46									
SVI66									
SVI92									

svi-ctf-tonde-s-en_a_td

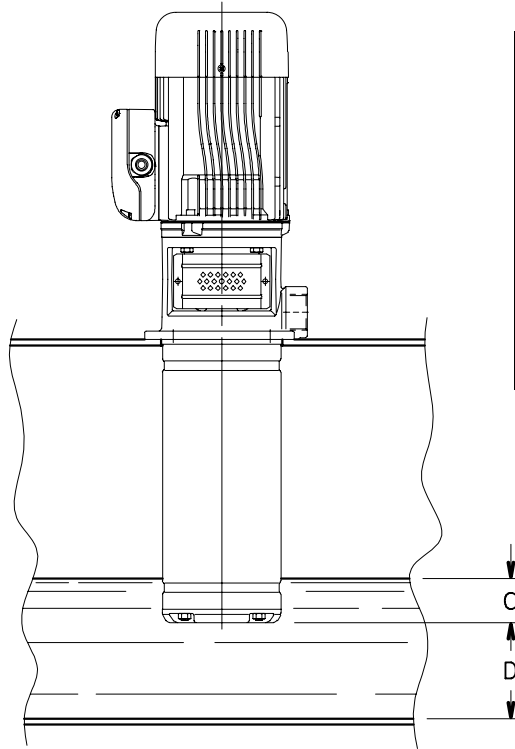


04431_A_DD

ROUND COUNTERFLANGES

- SVI 33, 46, 66, 92 S versions : Kit containing weld-on counterflange (PN16, PN25) or threaded one PN16 made of galvanized steel. Each Kit contains 1 counterflange plus bolts and gasket.
- SVI 33, 46, 66, 92 N versions : Kit containing weld-on counterflange (PN16, PN25) or threaded one PN16 made of AISI 316L stainless steel. Each Kit contains 1 counterflange plus bolts and gasket.

INSTALLATION



MINIMUM IMMERSION LEVEL		DISTANCE FROM THE BOTTOM	
PUMP TYPE	DIMENSION C mm	D mm	
		MINIMUM	RECOMMENDED
SVI2 SVI4	25	20	60
SVI8 SVI16	25	35	80
SVI33-46 SVI66-92	80	60	120

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