VERTICAL MULTISTAGE ELECTRIC PUMP

GENERAL INTRODUCTION

The e-SV pump is a non-self priming vertical multistage pump coupled to a standard motor.
The liquid end, located between the upper cover and the pump casing, is held in place by tie rods. The pump casing is available with different configurations and connection types.

MARKET SECTORS

- Civil
- Agricultural
- Light industry
- Water treatment
- Heating and air conditioning.

APPLICATIONS

- Handling of water, free of suspended solids, in the civil, industrial and agricultural sectors.
- Pressure boosting and water supply systems.
- Irrigation systems.
- Wash systems.
- Water treatment plants.
- Handling of moderately aggressive liquids, demineralised water, water and glycol, etc.
- Circulation of hot and cold water for heating, cooling and conditioning systems.
- Boiler feed.
- Pharmaceutical food & beverage industries.

- ❑ **LIQUID END MADE ENTIRELY OF STAINLESS STEEL IN THE 1, 3, 5, 10, 15, 22 m³/h STANDARD VERSION**
- ❑ **STANDARD MECHANICAL SEAL CAN BE REPLACED WITHOUT REMOVING THE MOTOR FROM THE PUMP (FOR 10, 15, 22, 33, 46, 66, 92, 125SV)**
- ❑ **STANDARD MOTOR FOR POWER EQUAL TO OR ABOVE 3 kW (IEC 132)**
- ❑ **CAN BE USED WITH THE DRIVE CONTROL SYSTEM IN ORDER TO MANAGE THE OPERATION OF THE PUMP BASED ON THE SYSTEM CONDITIONS AND SAVE ENERGY**

SPECIFICATIONS

PUMP

- Delivery: up to **160 m³/h**.
- Head: up to **330 m**.
- Temperature of pumped liquid:
  - from -30°C to +120°C for standard version.
- Maximum operating **pressure**:
  - 1, 3, 5, 10, 15, 22SV with oval flanges:16 bar (PN16).
  - 1, 3, 5, 10, 15, 22SV with round flanges or Victaulic®, Clamp or DIN 11851 connections: 25 bar (PN 25).
  - 33, 46SV: 16, 25, 40 bar (PN 16, PN 25 or PN 40).
  - 66, 92, 125SV: 16 or 25 bar (PN 16 or PN 25).
- Hydraulic performance compliant with ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - 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).

MOTOR

- Squirrel cage in short circuit, enclosed construction with external ventilation.
- IP55 protection.
- Class 155 (F) insulation.
- Performances according to EN 60034-1.
- Standard voltage:
  - Single-phase version: 220-240 V, 50 Hz.
  - 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.

- Vertical multistage centrifugal pump. All metal parts in contact with the pumped liquid are made of stainless steel.
- The following versions are available:
  - **F**: round flanges, in-line delivery and suction ports, AISI 304.
  - **T**: oval flanges, in-line delivery and suction ports, AISI 304.
  - **R**: round flanges, delivery port above the suction port, with four adjustable positions, AISI 304.
  - **N**: round flanges, in-line delivery and suction ports, AISI 316.
  - **V**: Victaulic® couplings, in-line delivery and suction ports, AISI 316.
  - **P**: reinforced sleeve, Victaulic® couplings, in-line delivery and suction ports, AISI 316.
  - **C**: Clamp couplings (DIN 32676), in-line delivery and suction ports, AISI 316.
  - **K**: threaded couplings, (DIN 11851), in-line delivery and suction ports, AISI 316.
- 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) and ISO 3069 for 1, 3, 5SV and 10, 15, 22SV (≤ of 4 kW) series.
- **Balanced mechanical seal** according to EN 12756 (ex DIN 24960) and ISO 3069, which **can be replaced without removing the motor from the pump** for 10, 15 and 22SV (≥ of 5,5 kW) series.
- Seal housing chamber designed to prevent the accumulation of air in the critical area next to the mechanical seal.
- A second plug is available for 10, 15, 22SV series.
- Versions with round flanges that can be coupled to counter-flanges, according to EN 1092.
- Threaded, oval counter-flanges made of stainless steel are standard supply for the T versions.
- Round counter-flanges made of stainless steel are available on request for the F, R and N versions.
- Easy maintenance. No special tools required for assembly or disassembly.
- **The pumps for drinking water use are WRAS, ACS and D.M. 174 certified for F, T, R, N versions**.
- Standard version for temperatures ranging from -30°C to +120°C.

CHARACTERISTICS OF 33, 46, 66, 92, 125SV SERIES

- The following versions are available:
  - **G**: vertical multistage centrifugal pump with impellers, diffusers and outer sleeve made entirely of stainless steel, and with pump casing and motor adaptor made of cast iron.
  - **N**: version made entirely of AISI 316 stainless steel.
  - **P**: version with reinforced sleeve, made entirely of AISI 316 stainless steel.
- Innovative axial load compensation system on pumps with higher head. This ensures reduced axial thrusts and enables the use of **standard motors** that are easily found in the market.
- **Balanced mechanical seal** according to EN 12756 (ex DIN 24960) and ISO 3069, which **can be replaced without removing the motor from the pump**.
- Seal housing chamber designed to prevent the accumulation of air in the critical area next to the mechanical seal.
- **The pumps for drinking water use are WRAS, ACS and D.M. 174 certified for G, N versions**.
- Standard version for temperatures ranging from -30°C to +120°C.
- Pump body fitted with couplings for installing pressure gauges on both suction and delivery flanges.
- In-line ports with round flanges that can be coupled to counter-flanges, in compliance with EN 1092.
- Mechanical sturdiness and easy maintenance. No special tools required for assembly or disassembly.

Inlet pressure of the pump plus static pressure of the water within the pump cannot exceed the nominal pressure (PN).
Using different motors from those provided could limit inlet pressure.
In this event please contact customer services.

AVAILABLE ON REQUEST

Special versions are available to suit many applications. For details see page 181.

GENERAL CHARACTERISTICS, 2 POLES

	1SV	3SV	5SV	10SV	15SV	22SV	33SV	46SV	66SV	92SV	125SV
Max efficiency flow (m^3/h)	1,7	3	5,5	10,5	16,5	20,5	31	43	72	90	120
Flow range (m^3/h)	0,7÷2,4	1,2÷4,4	2,4÷8,5	5÷14	8÷24	11÷29	15÷40	22÷60	30÷85	45÷120	60÷160
Maximum head (m)	230	250	250	250	250	260	300	360	230	200	220
Motor power (kW)	0,37÷2,2	0,37÷3	0,37÷5.5	0,75÷11	1,1÷15	1,1÷18,5	2,2÷30	3÷45	4÷45	5,5÷45	7,5÷55
Max η (%) of pump	50,0	60,0	70,0	71,0	72,0	73,0	76,5	79,0	78,0	79,5	78,0
Standard temperature (°C)	-30 +120										

1-125sv_2p50-en_b_tg

1, 3, 5, 10, 15, 22SV VERSIONS

TYPE		2 POLES 1SV	3SV	5SV	10SV	15SV	22SV
F	AISI 304, PN25. IN-LINE PORTS, ROUND FLANGES	•	•	•	•	•	•
T	AISI 304, PN16. IN-LINE PORTS, OVAL FLANGES	•	•	•	•	•	•
R	AISI 304, PN25. DISCHARGE PORT ABOVE SUCTION, ROUND FLANGES	•	•	•	•	•	•
N	AISI 316, PN25. IN-LINE PORTS, ROUND FLANGES	•	•	•	•	•	•
V	AISI 316, PN25. VICTAULIC® COUPLINGS	•	•	•	•	•	•
P	AISI 316, PN40. REINFORCED SLEEVE. VICTAULIC® COUPLINGS	•	•	•	•	•	•
C	AISI 316, PN25. CLAMP COUPLINGS (DIN 32676)	•	•	•	•	•	•
K	AISI 316, PN25. THREADED COUPLINGS (DIN 11851)	•	•	•	•	•	•

• = Available.

1-22sv_2p50-en_c_tc

33, 46, 66, 92, 125SV VERSIONS

TYPE		2 POLES SV 33SV	46SV	66SV	92SV	125SV
G	CAST IRON PUMP CASING, LIQUID END MADE OF STAINLESS STEEL, IN-LINE ROUND FLANGES PN16, PN25 OR PN40 DEPENDING ON NUMBER OF STAGES AND MODEL.	•	•	•	•	•
N	ALL AISI 316 STAINLESS STEEL, IN-LINE ROUND FLANGES, PN16, PN25 OR PN40 DEPENDING ON NUMBER OF STAGES AND MODEL.	•	•	•	•	•
P	ALL AISI 316 STAINLESS STEEL. FLANGES,IN-LINE ROUND, PN40. REINFORCED SLEEVE.	•	•	•	•	•

• = Available.

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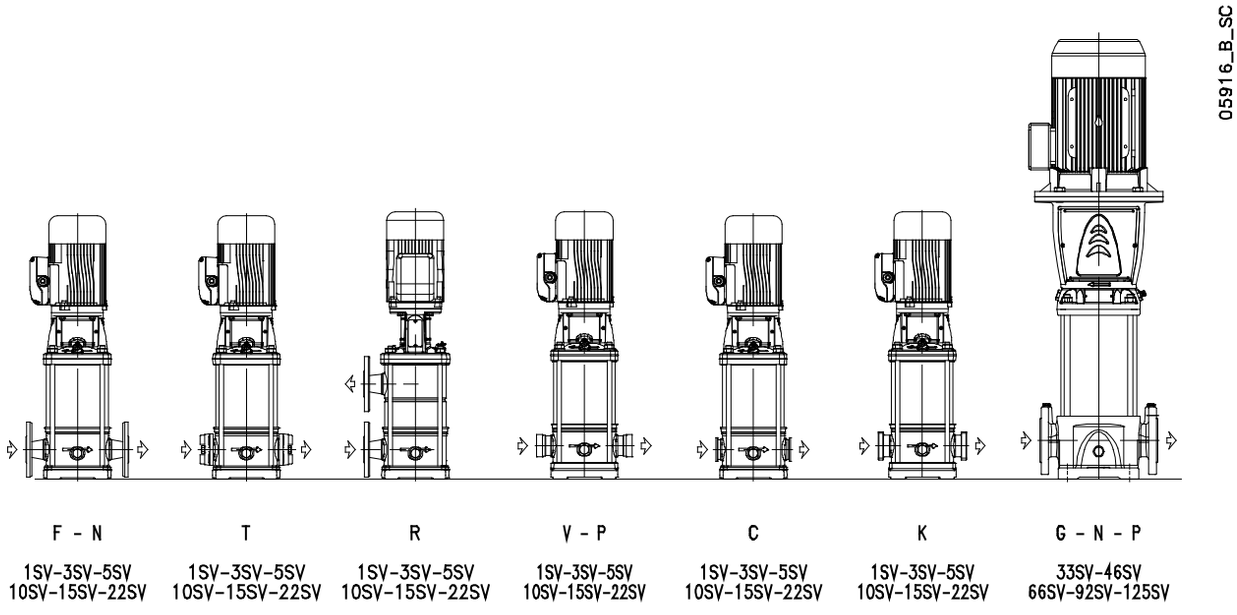
VERSION DIAGRAM



For Dual Pump System (DPS) version, please see e-SV Special Versions catalog.

TYPICAL APPLICATIONS

WATER SUPPLY AND PRESSURE BOOSTING

- Pressure boosting in building, hotel, residential complexes.
- Pressure booster stations, supply of water networks.
- Booster packages.

WATER TREATMENT

- Ultrafiltration systems.
- Reverse osmosis systems.
- Water softeners and de-mineralization.
- Distillation systems.
- Filtration.

LIGHT INDUSTRY

- Washing and cleaning plants (washing and degreasing of mechanical parts, car and truck wash tunnels, washing of electronic industry circuits).
- Commercial washers.
- Firefighting system pumps.

PHARMACEUTICAL AND FOOD & BEVERAGE INDUSTRIES

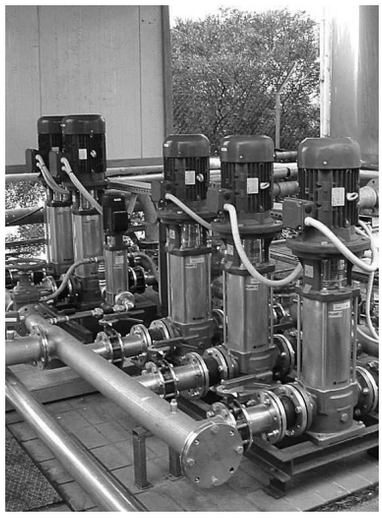
- Production plant where specific sanitary standards are required.

IRRIGATION AND AGRICULTURE

- Greenhouses.
- Humidifiers.
- Sprinkler irrigation.

HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

- Cooling towers and systems.
- Temperature control systems.
- Refrigerators.
- Induction heating.
- Heat exchangers.
- Boilers, water recirculation and heating.



1, 3, 5, 10, 15, 22SV SERIES

Flow rate [1 or 2 digits]
22 = m³/h

Series name [2 digits]

Motor operation [null or 1 digit]
Null = standard version
E = e-SM drive
X[1] = hydrovar X+
K[1] = hydrovar X
H = equipped with HYDROVAR
Y = other drives

Number of impellers [2 digits]
10 = 10 impellers

Standard version [1 digit]
F = AISI 304, round flanges (PN 25)
T = AISI 304, oval flanges (PN 16)
R = AISI 304, discharge port above suction, round flanges (PN 25)
N = AISI 316, round flanges (PN 25)
V = AISI 316, Victaulic® couplings (PN 25)
P = AISI 316, Victaulic® couplings (PN 40)
C = AISI 316, Clamp couplings DIN 32676 (PN 25)
K = AISI 316, Threaded couplings DIN 11851 (PN 25)
X = customized version

Special version [null or 1 digit]
Null = standard version
L = low NPSH, round flanges, PN 25 (F, N, R versions)
H = high temperature 150°C, round flanges, PN 25 (F, N versions)
B = high temperature 180°C, round flanges, PN 25 (N version)
E = passivated and electropolished (N, V, C, K, P versions)
W = high temperature 150° and low NPSH (F, N versions)
Y = high temperature 180° and low NPSH (N version only)
U = passivated, electropolished and low NPSH (N, V, C, K, P versions)
I = high temperature 150°, passivated and electropolished (N version only)
S = high temperature 180°, passivated and electropolished (N version only)
A = high temperature 150°, passivated, electropolished and low NPSH (N version only)
D = high temperature 180°, passivated, electropolished and low NPSH (N version only)
X = customized version

Motor power [3 digits]
kW x 10

Extra description [null or more digits]
Null = standard version
/Letter assigned by the manufacturer

Voltage [null or 2 digits]
Null = standard version
e-SM drive see page 54
HYDROVAR see page 134

Phase [null or 1 digit]
Null = bare shaft pump
M = single-phase
T = three-phase

Frequency [null or 1 digit][2]
Null = 50 Hz / bare shaft pump
6 = 60 Hz
0 = e-SM drive

N° poles / motor technology [null or 1 digit][2]
Null = 2 poles / bare shaft pump
4 = 4 poles
P = permanent magnet or assisted reluctance motor

33, 46, 66, 92, 125SV SERIES

Flow rate [2 or 3 digits]
125 = m³/h

Series name [2 digits]

Motor operation [null or 1 digit]
Null = standard version
X[1] = hydrovar X+
K[1] = hydrovar X
H = equipped with HYDROVAR
Y = other drives

Number of impellers [1 or 4 digits]
8/2A = 8 impellers, 2 of which with a smaller external diameter, type A or B

Standard version [1 digit]
G = AISI 304/Cast iron, round flanges (PN 16/25/40 depending on the model)
N = AISI 316, round flanges (PN 16/25/40 depending on the model)
P = AISI 316, round flanges (PN 40)
X = customized version

Special version [null or 1 digit]
Null = standard version
L = low NPSH, round flanges, (G, N versions)
H = high temperature 150°C, round flanges, PN 25 (G, N versions)
B = high temperature 180°C, round flanges, PN 25 (N version only)
E = passivated and electropolished (N version only)
W = high temperature 150° and low NPSH (G, N versions)
Y = high temperature 180° and low NPSH (N version only)
U = passivated, electropolished and low NPSH (N, P versions)
I = high temperature 150°, passivated and electropolished (N version only)
S = high temperature 180°, passivated and electropolished (N version only)
A = high temperature 150°, passivated, electropolished and low NPSH (N version only)
D = high temperature 180°, passivated, electropolished and low NPSH (N version only)
X = customized version

Motor power [3 digits] kW x 10

Extra description [null or more digits]
Null = standard version
/Letter assigned by the manufacturer

Voltage [null or 2 digits]
Null = standard version
HYDROVAR see page 134

Phase [null or 1 digit]
Null = bare shaft pump
M = single-phase
T = three-phase

Frequency [null or 1 digit][2]
Null = 50 Hz or bare shaft pump
6 = 60 Hz

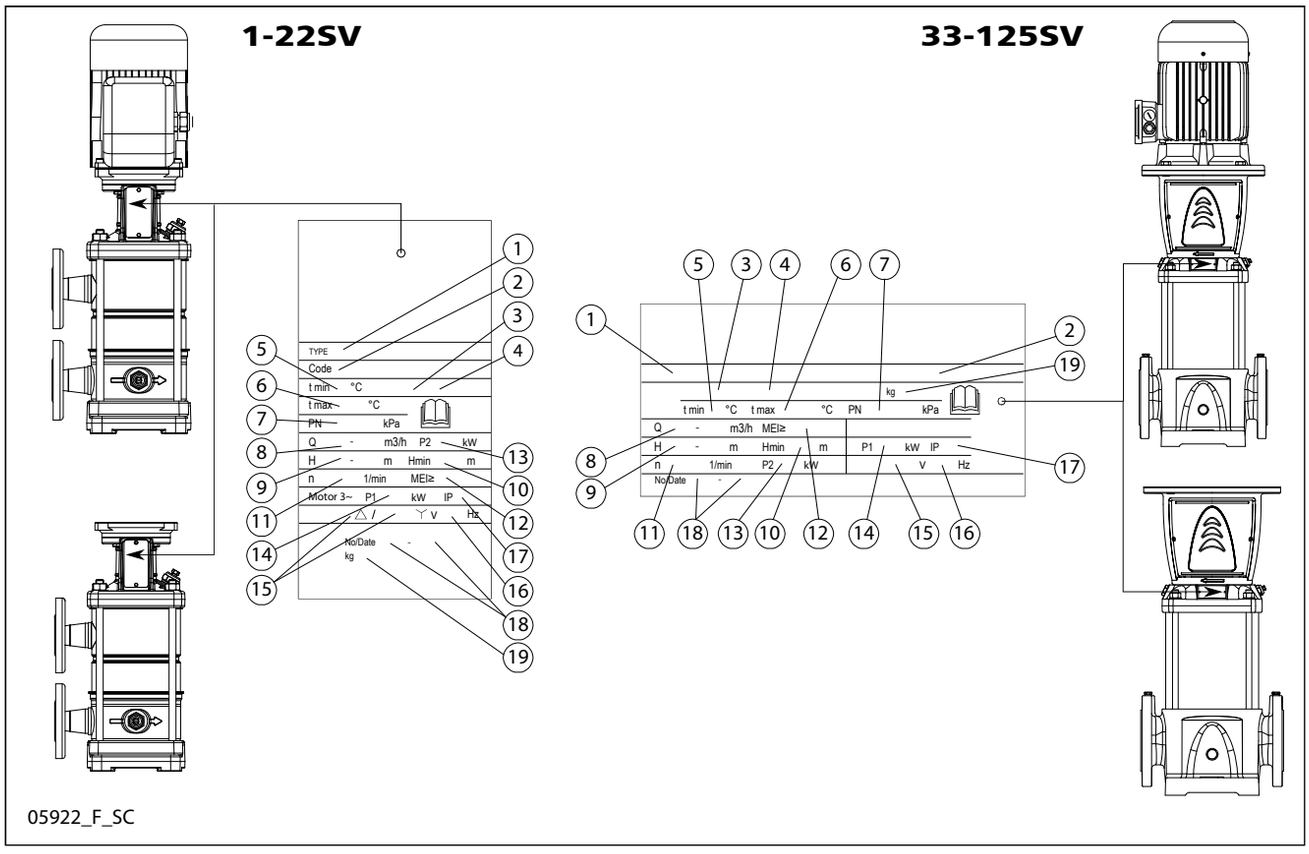
N° poles / motor technology [null or 1 digit][2]
Null = 2 poles / bare shaft pump
4 = 4 poles
P = assisted reluctance motor

1) For identification code of e-SV with hydrovar X see page 105
2) Null value if equipped with HYDROVAR

EXAMPLE: **22SVE02F015P0M/2**
e-SV series electric pump, Flow rate 22 m³/h, e-SM (SMART) coupling, number of impellers 2, F version (AISI 304), round flanges, rated motor power 1,5 kW, e-SM motor type, single-phase, e-SM power supply 1x208-240.

EXAMPLE: **125SV8/2AG550T**
e-SV series electric pump, flow rate 125 m³/h, number of impellers 8, 2 of which with a smaller external diameter (type A), G version (AISI 304/Cast iron), round flanges, rated motor power 55 kW, 50 Hz frequency, three-phase.

RATING PLATE

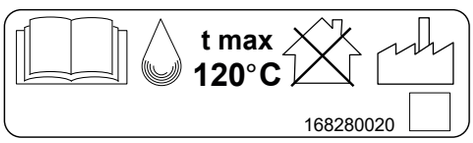


LEGEND

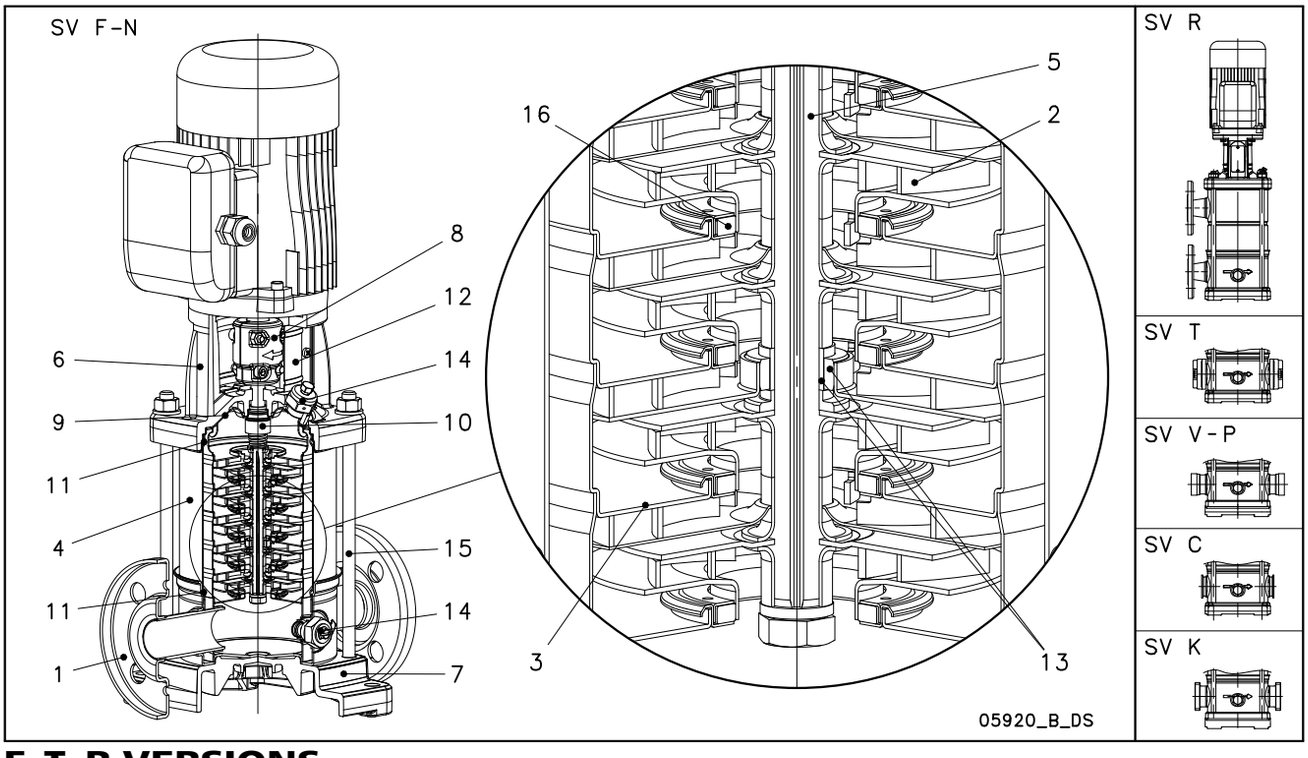
1 - Pump / electric pump unit type
2 - Product code
3 - Mechanical seal material identification code
4 - O-ring material identification code
5 - Minimum operating liquid temperature
6 - Maximum operating liquid temperature
7 - Maximum operating pressure
8 - Capacity range
9 - Head range
10 - Minimum head
11 - Speed
12 - Minimum efficiency index
13 - Pump rated power
14 - Pump unit power consumption (*)
15 - Rated voltage range (*)
16 - Frequency (*)
17 - Protection class (*)
18 - Serial number + manufacturing date
19 - Weight
(*) Data present only on the pump rating plate

Additional liquid temperature plate

It is applied on the units where the maximum working temperature of the liquid exceeds the limit of 90°C (194°F), foreseen by the standard EN 60335-2-41, with Un (V) ≤ 480 V (3~) or ≤ 250 V (1~).



ELECTRIC PUMP CROSS SECTION AND MAIN COMPONENTS



F, T, R VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
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-X5CrNi18-10 (1.4301)	AISI 304
5	Shaft	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
6	Adapter	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
7	Base	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
8	Coupling	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
9	Seal housing	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve and bushing	Tungsten carbide		
14	Fill / drain plugs	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
15	Tie rods	Galvanized steel	EN 10277-3-36SMnPb14 (1.0765)	
16	Wear ring	Technopolymer PPS		

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N, V, C, K VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
3	Diffuser and upper spacer	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	Adapter	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
7	Base	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
8	Coupling	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
9	Seal housing	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve and bushing	Tungsten carbide		
14	Fill / drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
15	Tie rods	Stainless steel	EN 10088-1-X17CrNi16-2 (1.4057)	AISI 431
16	Wear ring	Technopolymer PPS		

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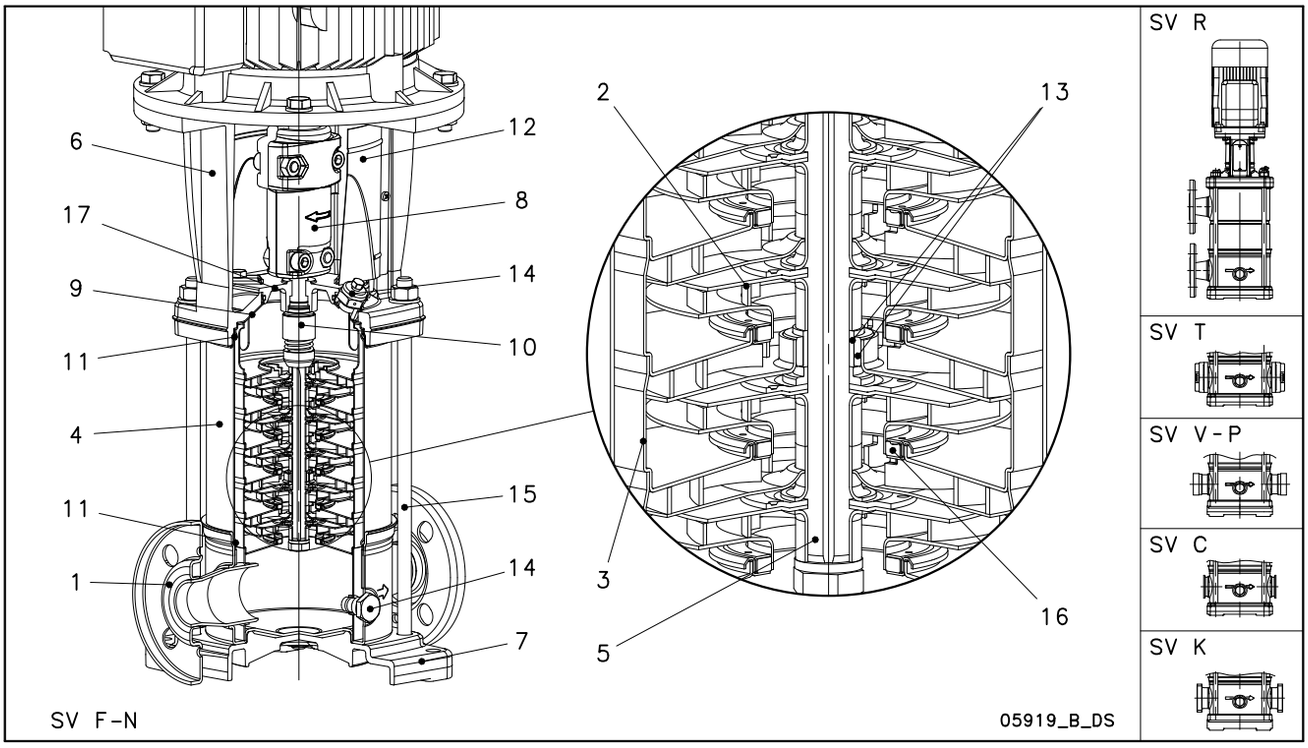
ELECTRIC PUMP CROSS SECTION AND MAIN COMPONENTS



F, T, R VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
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-X5CrNi18-10 (1.4301)	AISI 304
5	Shaft	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
6	Adapter	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
7	Base	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
8	Coupling	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
9	Seal plate	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve and bushing	Tungsten carbide		
14	Fill / drain plugs	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
15	Tie rods	Galvanized steel	EN 10277-3-36SMnPb14 (1.0765)	
16	Wear ring	Technopolymer PPS		
17	Seal gland	Stainless steel	EN 10213-4-GX5CrNi19-10 (1.4308)	AISI 304

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N, V, C, K VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
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	Adapter	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
7	Base	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
8	Coupling	Aluminium	EN 1706-AC-AlSi11Cu2 (Fe) (AC46100)	-
9	Seal plate	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
12	Coupling protection	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
13	Shaft sleeve and bushing	Tungsten carbide		
14	Fill / drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
15	Tie rods	Stainless steel	EN 10088-1-X17CrNi16-2 (1.4057)	AISI 431
16	Wear ring	Technopolymer PPS		
17	Seal gland	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	AISI 316

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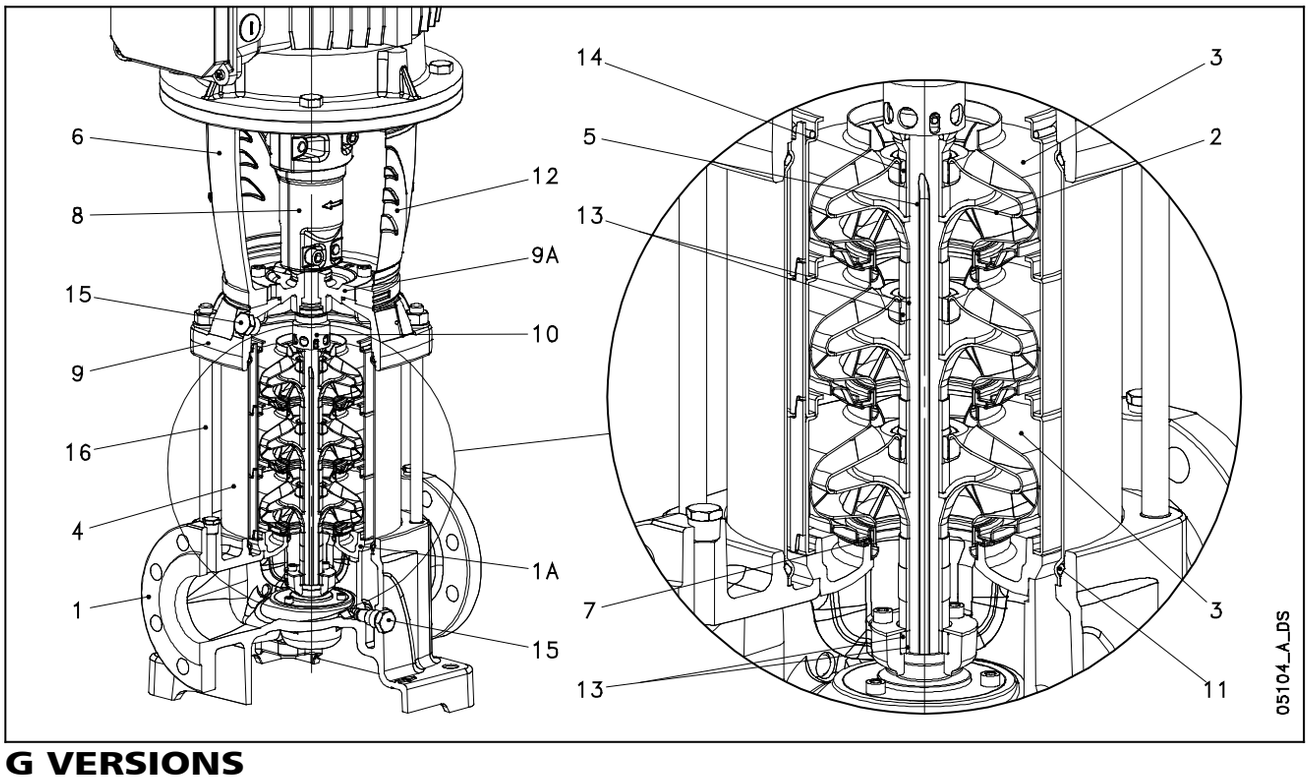
PUMP CROSS SECTION AND MAIN COMPONENTS



G VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
1A	Lower support	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	Outer sleeve	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
5	Shaft	Stainless steel	EN 10088-1 - X17CrNi16-2 (1.4057)	AISI 431
6	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	Upper head	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
9A	Seal housing	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
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	Fill / Drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
16	Tie rods	Galvanized steel	EN 10277-3-36SMnPb14 (1.0765)	-

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N VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
1A	Lower support	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	Duplex stainless steel	EN 10088-1-X2CrNiMoN22-5-3 (1.4462)	UNS S 31803
6	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	Upper head	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
9A	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316 cast)
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
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	Fill / drain / air plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
16	Tie rods	Stainless steel	EN 10088-1-X17CrNi16-2 (1.4057)	AISI 431

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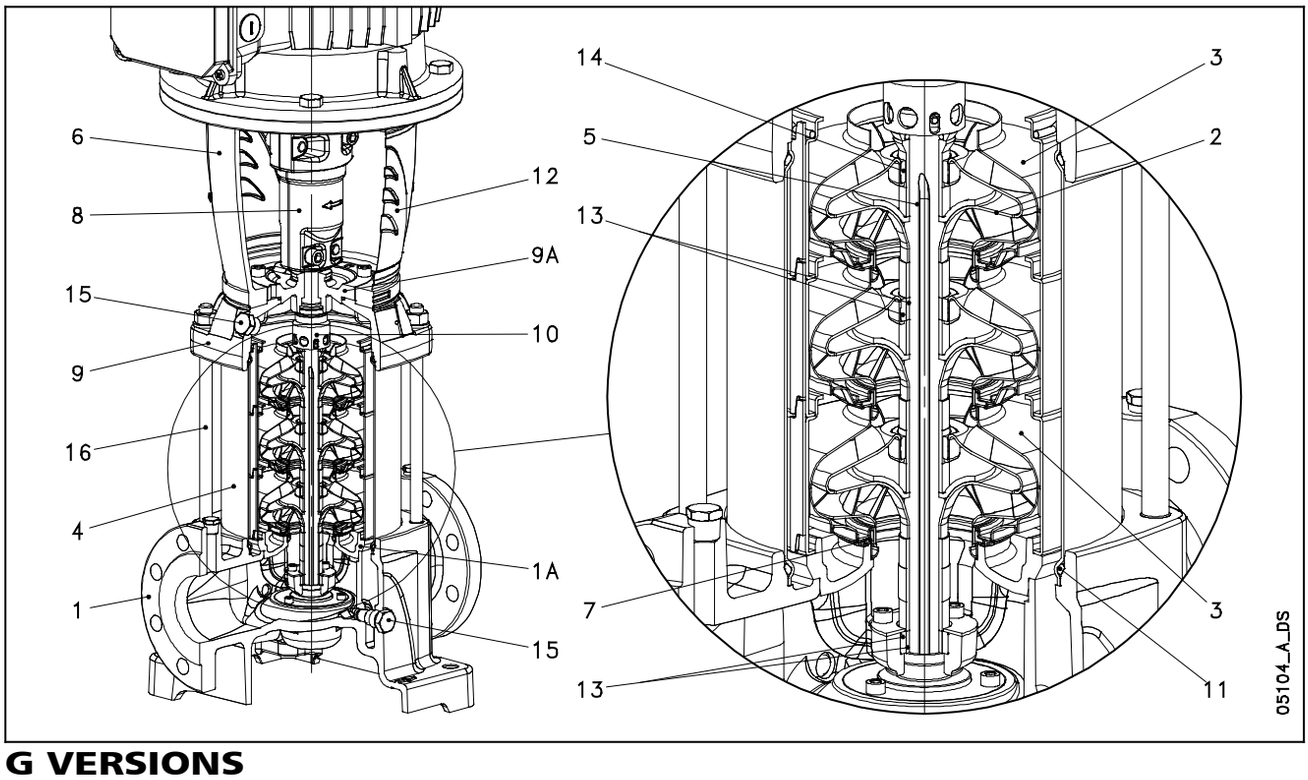
ELECTRIC PUMP CROSS SECTION AND MAIN COMPONENTS



G VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
1A	Lower support	Stainless steel	EN 10213-GX5CrNi19-10 (1.4308)	AISI 304
2-3	Impeller, Diffuser	Stainless steel	EN 10213-GX5CrNi19-10 (1.4308)	AISI 304
4	Outer sleeve	Stainless steel	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
5	Shaft	Stainless steel	EN 10088-1 - X17CrNi16-2 (1.4057)	AISI 431
6	Adapter (up to 45kW)	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
	Adapter (for higher powers)	Cast iron	EN 1563-GJS-500-7 (JS1050)	ASTM A 536 80-55-06
7	Wear ring	Technopolymer PPS		
8	Coupling (up to 45kW)	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
	Coupling (for higher powers)	Cast iron	EN 1563-GJS-500-7 (JS1050)	ASTM A 536 80-55-06
9-9A	Upper head, Seal housing	Cast iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
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	Fill / drain / air plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
16	Tie rods	Galvanized steel	EN 10277-3-36SMnPb14 (1.0765)	-
17	Adapter ring	Stainless steel	EN 10213-GX5CrNi19-10 (1.4308)	AISI 304

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N VERSIONS

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316)
1A	Lower support	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316)
2-3	Impeller, Diffuser	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316)
4	Outer sleeve	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
5	Shaft	Duplex stainless steel	EN 10088-1-X2CrNiMoN22-5-3 (1.4462)	UNS S 31803
6	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
	Adapter	Cast iron	EN 1563-GJS-500-7 (JS1050)	
7	Wear ring	Technopolymer PPS		
8	Coupling	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
	Coupling	Cast iron	EN 1563-GJS-500-7 (JS1050)	
9-9A	Upper head, Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316)
10	Mechanical seal	Silicon carbide / Carbon / EPDM		
11	Elastomers	EPDM		
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	Fill / drain / air plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
16	Tie rods	Stainless steel	EN 10088-1-X17CrNi16-2 (1.4057)	AISI 431
17	Adapter ring	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (AISI 316)

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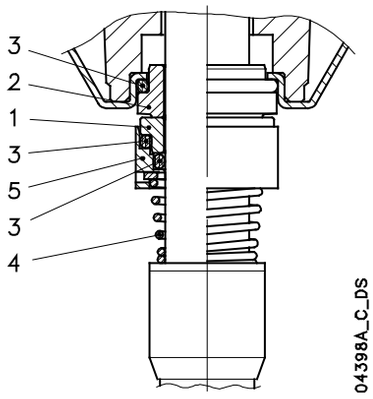
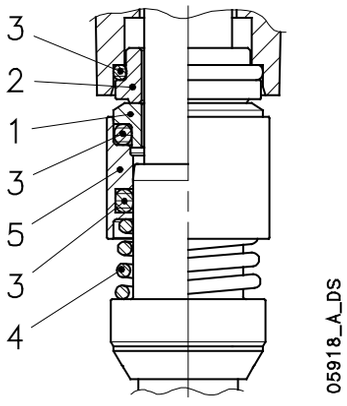
MECHANICAL SEALS, ACCORDING TO EN 12756

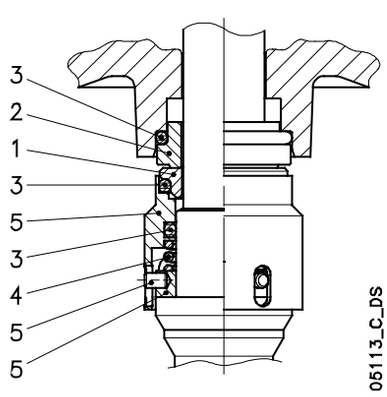
1, 3, 5SV (all models)
10, 15, 22SV ≤ 4 kW



10, 15, 22SV ≥ 5,5 kW



33, 46, 66, 92, 125SV



LIST OF MATERIALS

POSITION 1 - 2	POSITION 3	POSITION 4 - 5
Q_1 : Silicon Carbide	E : EPDM	G : AISI 316
B : Resin impregnated carbon	V : FKM (FPM)	
C : Special resin impregnated carbon	T : PTFE	

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TYPE OF SEAL

TYPE	POSITION 1 ROTATING PART	POSITION 2 STATIONARY PART	POSITION 3 ELASTOMERS	POSITION 4 SPRINGS	POSITION 5 OTHER COMPONENTS	TEMPERATURE (°C)
STANDARD MECHANICAL SEAL						
Q_1 B E G G	Q_1	B	E	G	G	-30 +120
OTHER TYPES OF AVAILABLE MECHANICAL SEAL						
Q_1 Q_1 E G G	Q_1	Q_1	E	G	G	-30 +120
Q_1 B V G G	Q_1	B	V	G	G	-10 +120
Q_1 Q_1 V G G	Q_1	Q_1	V	G	G	-10 +120
*Q_1 C T G G	Q_1	C	T	G	G	0 +120
*Q_1 Q_1 T G G	Q_1	Q_1	T	G	G	0 +120

* Versions with anti-rotation lock pin of the fixed part.

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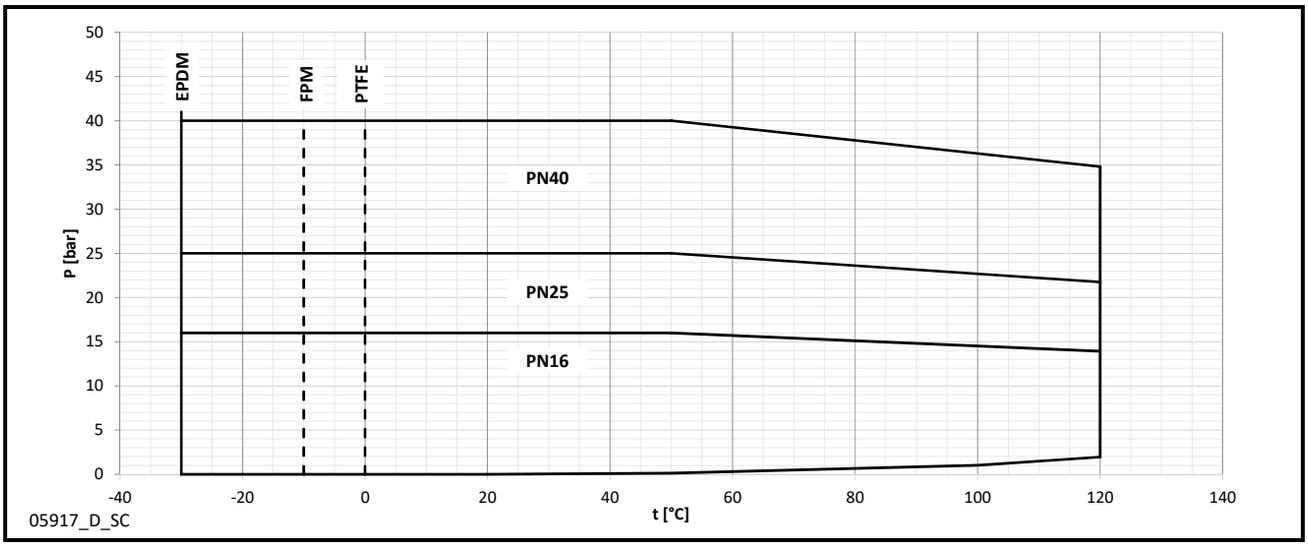
PRESSURE/TEMPERATURE APPLICATION LIMITS FOR COMPLETE PUMP



IN CONTACT WITH MOST COMMONLY USED LIQUIDS

LIQUID	CONCENTRATION (%)	TEMPERAT. MIN/MAX (°C)	VERSION			ELASTOM.
			PLASTIC	AISI 304	AISI 316	
Acetone	10	-10 +90		•	•	E
Ammonia	10	-10 +40	•	•	•	E
Benzene	10	-10 +50		•	•	V
Citric acid	10	-10 +70	•	•	•	E
Cutting oil	100	-5 +110		•	•	V
Deionized, demineralized water	100	10 +110	•	•	•	V
Denatured alcohol	100	-5 +70	•	•	•	E
Diathermic oil	100	-5 +110		•	•	V
Diesel	100	-10 +80	•	•	•	V
Ethyl alcohol	100	-30 +50	•	•	•	E
Ethylene glycol	50	-30 +120		•	•	E
Glycerine	100	20 +90	•	•	•	E
Hydraulic oil	100	-5 +110		•	•	V
Hydrochloric acid	2	-10 +25	•		•	V
Methyl alcohol	100	-30 +50	•	•	•	E
Mineral oil	100	-5 +110		•	•	V
Mixture of water, detergents	20	10 +100	•	•	•	E
Phosphates-polyphosphates	10	-5 +90	•	•	•	V
Propyl alcohol (Propanol)	100	-5 +80		•	•	E
Propylene Glycol	50	-30 +120		•	•	E
Sea water (max 1000 ppm Chlorides)	100	-10 +30			•	V
Sodium bicarbonate	saturated		•	•	•	E
Sodium hydroxide	20	10 +70	•	•	•	E
Sodium hypochlorite	1	-10 +25	•		•	V
Sulfuric acid	2	-10 +25	•	•	•	V
Toluene	10	-10 +50		•	•	V
Uric acid	80	-10 +80		•	•	E
Vegetable oil	100	10 +110		•	•	V
Water and oil emulsion	all	-5 +90		•	•	V
Waterfall	100	10 +120	•	•	•	E

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The above table indicates the compatibility of materials depending on the pumped liquid.
Check the specific weight of the liquid or the viscosity as this could affect the power input of the motor and hydraulic performance. For further details, please contact the sales network.

MOTORS (ErP 2009/125/EC)

- Short-circuit squirrel-cage motor, enclosed construction with external ventilation (TEFC).
- **IP55** protection degree.
- Insulation class **155 (F)**.
- Electrical performances according to EN 60034-1.
- Supplied **single-phase** surface motors with **IE2** efficiency level
- Supplied **three-phase** surface motors with **IE2** efficiency level (power < 0,75 kW) or **IE3** efficiency level (power ≥ 0,75 kW) as standard according to EN 60034-30:2009 and EN 60034-30-1:2014.
- Metric cable gland according to EN 50262.
- PTC included in motors from 30 to 55 kW (one per phase, 155°C).

- **Single-phase** version:
  0,37 to 1,5 kW (2-pole)
  220-240 V 50 Hz
  Built-in automatic reset overload protection
  Maximum ambient temperature: 45 °C.
- **Three-phase** version:
  0,37 to 55 kW (2-pole)
  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.
  Maximum ambient temperature: 50 °C,
  (40 °C for model with power of 0,37 kW)

From 1 July 2023 in accordance with the **Regulations (EU) 2019/1781 and 2021/341**, the three-phase 50 Hz, 60 Hz or 50/60 Hz **surface motors** with **power outputs ranging from 0,12 to 0,749 kW** must have a minimum level **IE2** efficiency; the ones with power outputs ranging **from 0,75 and 74,9 kW** must have a minimum level of **IE3** efficiency. The single-phase **surface motors** with **power outputs ranging from 0,12 kW** must have a minimum level **IE2** efficiency.

The following tables also contain the mandatory information pursuant to Annex I, section 2, of the aforementioned Regulations.

SINGLE-PHASE MOTORS AT 50 Hz, 2-POLE

P_N kW	MOTOR TYPE	IEC SIZE*	Construction Design	INPUT CURRENT In (A) 220-240 V	CAPACITOR µF	CAPACITOR V	DATA FOR 230 V 50 Hz VOLTAGE min^{-1}	Is / In	η %	cosφ	Tn Nm	Ts/Tn	Tm/Tn	OPERATING CONDITIONS ** Altitude asl m	T. amb min/max °C	ATEX
0,37	SM71RB14/1045 E2	71R	V18/B14	2,52-2,41	16	450	2820	3,46	69,5	0,99	1,25	0,72	2,15	≤1000	-15/45	No
0,55	SM71B14/1055 E2	71		3,33-3,19	16	450	2810	4,16	74,1	0,99	1,87	0,69	2,13			
0,75	SM80B14/1075 E2	80		4,38-4,27	25	450	2865	5,11	77,4	0,97	2,50	0,40	2,26			
1,1	SM80B14/1115 E2	80		6,26-5,93	30	450	2860	4,78	79,6	0,98	3,67	0,50	2,14			
1,5	PLM90B14/1155 E2	90		8,41-7,87	50	450	2890	6,71	81,3	0,97	4,95	0,59	2,78			

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

1-22sv-motm_2p50-en_e_te

** Operating conditions related only to the motor. For the electric pump refer to the IOM.

THREE-PHASE MOTORS AT 50 Hz, 2-POLE (up to 22 kW)

P_N kW	Manufacturer: Xylem Service Italia Srl, Reg. No. 07520560967, Montecchio Maggiore Vicenza - Italia Model	IEC SIZE*	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	T_s/T_N	T_m/T_n
0,37	SM71RB14/304	71R	V18/B14	2	50	0,64	4,35	1,37	4,14	4,10
0,55	SM71B14/305	71				0,71	6,25	1,84	3,96	3,97
0,75	SM80B14/307 PE	80				0,78	7,38	2,48	3,57	3,75
1,1	SM80B14/311 PE	80				0,79	8,31	3,63	3,95	3,95
1,5	SM90RB14/315 PE	90R				0,80	8,80	4,96	4,31	4,10
2,2	PLM90B14/322 E3	90				0,80	8,77	7,28	3,72	3,70
3	PLM100RB14/330 E3	100R				0,79	7,81	9,93	4,26	3,94
4	PLM112RB14S6/340 E3	112R				0,85	9,13	13,2	3,82	4,32
5,5	PLM132RB5/355 E3	132R	V1/B5			0,85	10,5	18,1	4,74	5,11
11	PLM160RB5/3110 E3	160R				0,86	9,89	35,9	3,46	4,59
22	PLM180RB5/3220 E3	180R				0,85	10,9	71,1	3,26	5,12

P_N kW	Manufacturer: OMEGA MOTOR SANAYI A.S., Dudullu Organize Sanayi Bölgesi, 2. Cadde No: 10 34775 Ümraniye ISTANBUL/TURKEY Reg. No. 913733 Model	IEC SIZE*	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	T_s/T_N	T_m/T_n
7,5	3MAS 132SB2 B5 7,5KW E3	132	V1/B5	2	50	0,86	6,42	24,6	2,60	3,00
15	3MAS 160MB2 B5 15KW E3	160				0,89	6,50	48,9	2,50	3,00
18,5	3MAS 160LA2 B5 18,5KW E3	160				0,89	6,50	60,1	2,50	3,10

P_N kW	Voltage U_N (V): Δ 220 V	Δ 230 V	Δ 240 V	Y 380 V	Y 400 V	Y 415 V	Δ 380 V	Δ 400 V	Δ 415 V	Y 660 V	Y 690 V	n_N min^{-1}	Operating conditions **: Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
	I_N (A)														
0,37	2,03	2,18	2,32	1,17	1,26	1,34	-	-	-	-	-	2745 ÷ 2800	≤ 1000	-15 / 40	No
0,55	2,46	2,49	2,56	1,42	1,44	1,48	-	-	-	-	-	2835 ÷ 2865		-15 / 50	
0,75	2,96	2,94	2,96	1,71	1,70	1,71	1,70	1,69	1,70	0,98	0,98	2875 ÷ 2895			
1,1	4,19	4,14	4,16	2,42	2,39	2,40	2,41	2,38	2,38	1,39	1,37	2870 ÷ 2900			
1,5	5,56	5,49	5,51	3,21	3,17	3,18	3,21	3,18	3,19	1,85	1,84	2870 ÷ 2895			
2,2	7,97	7,90	7,98	4,60	4,56	4,61	4,57	4,54	4,57	2,64	2,62	2880 ÷ 2900			
3	11,0	11,0	11,2	6,35	6,33	6,44	6,29	6,27	6,34	3,63	3,62	2865 ÷ 2895			
4	13,6	13,4	13,4	7,87	7,75	7,74	7,80	7,62	7,61	4,50	4,40	2885 ÷ 2910			
5,5	18,1	17,9	18,1	10,4	10,4	10,4	10,6	10,5	10,7	6,10	6,05	2880 ÷ 2910			
7,5	25,1	24,2	23,9	14,5	14,0	13,8	14,5	14,0	13,8	8,38	8,08	2915		-20 / 50	
11	35,7	35,0	34,9	20,6	20,2	20,2	20,6	20,2	20,2	11,9	11,7	2910 ÷ 2930		-15 / 50	
15	48,1	46,1	44,7	27,8	26,6	25,8	27,8	26,6	25,8	16,0	15,4	2930		-20 / 50	
18,5	59,0	56,3	54,5	34,1	32,5	31,5	34,1	32,5	31,5	19,7	18,8	2940			
22	72,9	73,1	73,7	42,1	42,2	42,6	40,9	40,4	40,6	23,6	23,3	2950 ÷ 2960		-15 / 50	

P_N kW	Efficiency η_N (%): Δ 220 V Y 380 V 4/4	3/4	2/4	Δ 230 V Y 400 V 4/4	3/4	2/4	Δ 240 V Y 415 V 4/4	3/4	2/4	Δ 380 V Y 660 V 4/4	3/4	2/4	Δ 400 V Y 690 V 4/4	3/4	2/4	Δ 415 V 4/4	3/4	2/4	IE
0,37	70,4	73,2	68,9	70,4	70,3	64,5	70,4	67,2	60,2	-	-	-	-	-	-	-	-	-	2
0,55	74,1	74,2	70,4	74,1	73,6	68,8	74,1	72,7	67,1	-	-	-	-	-	-	-	-	-	
0,75	82,5	83,1	81,3	82,8	82,7	80,1	82,6	82,0	78,9	82,5	82,0	78,9	82,5	82,0	78,9	82,5	82,0	78,9	3
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2,2	86,5	87,4	86,8	86,4	86,9	85,7	86,6	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	
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15	91,9	92,4	92,0	91,9	92,8	92,7	91,9	92,3	92,1	91,9	92,4	92,0	91,9	92,8	92,7	91,9	92,3	92,1	
18,5	92,4	92,8	92,6	92,4	93,3	93,4	92,4	93,3	93,4	92,4	92,8	92,6	92,4	93,3	93,4	92,4	93,3	93,4	
22	93,0	92,7	91,3	93,0	92,7	91,3	93,0	92,7	91,3	93,0	93,2	92,4	93,1	93,0	91,9	93,0	92,7	91,3	

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

sv-IE3-mott22-2p50-en_d_te

** Operating conditions to be referred to motor only. About electric pump, refer to limits in user's manual.

THREE-PHASE MOTORS AT 50 Hz, 2-POLE (from 30 to 55 kW)

P_N kW	Manufacturer: OMEGA MOTOR SANAYI A.S. Dudullu Organize Sanayi Bölgesi 2. Cadde No: 10 34775 Ümraniye ISTANBUL/TURKEY Reg. No. 913733 — Model	IEC SIZE	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	T_s/T_N	T_m/T_n
30	3MAS 200LA2 V1 30KW E3	200	V1	2	50	0,89	7,80	96,90	2,60	3,10
37	3MAS 200LB2 V1 37KW	200				0,90	8,00	119,4	2,90	3,20
45	3MAS 225M2 V1 45KW E3	225				0,91	8,20	144,4	2,70	3,30
55	3MGS 250M2 V1 55KW E3	250				0,90	7,60	176,4	2,50	3,00

P_N kW	Voltage U_N V: Δ 380 V	Δ 400 V	Δ 415 V	Y 660 V	Y 690 V — I_N (A)	n_N min^{-1}	Operating conditions **: Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
30	55,3	52,2	50,8	31,8	30,3	2965	≤ 1000	-20 / 50	No
37	66,6	63,9	61,5	38,4	37,0	2965			
45	80,6	75,9	73,7	46,4	44,0	2975			
55	98,2	92,7	89,7	56,5	53,7	2975			

P_N kW	Efficiency η_N % — Δ 380 V Y 660 V: 4/4	3/4	2/4	Δ 400 V Y 690 V: 4/4	3/4	2/4	Δ 415 V: 4/4	3/4	2/4	IE
30	93,0	93,1	93,0	93,3	93,5	93,4	93,4	93,6	93,4	3
37	93,5	94,0	93,7	93,7	94,1	93,8	93,8	94,2	93,9	
45	93,8	94,0	93,5	94,0	94,2	93,6	94,2	94,4	93,8	
55	93,8	94,0	93,9	94,3	94,6	94,5	94,4	94,7	94,5	

** Operating conditions to be referred to motor only. About electric pump, refer to limits in user's manual.

sv-IE3-mott55-2p50-en_c_te

Note: Observe the regulations and codes locally in force regarding sorted waste disposal.

MOTOR NOISE, 2-POLE

POWER kW	MOTOR TYPE IEC SIZE*	NOISE LpA dB
0,37	71R	<70
0,55	71	<70
0,75	80-80R	<70
1,1	80	<70
1,5	90-90R	<70
2,2	90	<70
3	100R	<70
4	112R	<70
5,5	132R	<70
7,5	132	<70
11	160R	73
15	160	<70
18,5	160	<70
22	180R	70
30	200	71
37	200	71
45	225	73
55	250	75

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

1-125sv_mott_2p50-en_f_tr

The table shows the mean sound pressure levels (Lp) measured at 1 meter distance in a free field according to EN ISO 11203. The noise values are measured on 50 Hz motors and have a tolerance of 3 dB (A) according to EN ISO 4871.

0.37 to 22 kW MOTORS FOR e-SV SERIES, 2-POLE

	SINGLE-PHASE			THREE-PHASE															
	50 Hz	60 Hz		50 Hz							60 Hz								50/60 Hz	
P_N kW	1 x 220-240	1 x 220-230	P_N kW	3 x 220-230-240/380-400-415	3 x 380-400-415/660-690	3 x 200-208/346-360	3 x 255-265/440-460	3 x 290-300/500-525	3 x 440-460/-	3 x 500-525/-	3 x 220-230/380-400	3 x 255-265-277/440-460-480	3 x 380-400/660-690	3 x 440-460-480/-	3 x 110-115/190-200	3 x 200-208/346-360	3 x 330-346/575-600	3 x 575/-	3 x 230/400 50 Hz 3 x 265/460 60 Hz	3 x 400/690 50 Hz 3 x 460/- 60 Hz
0,37	s	s	0,37	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
0,55	s	s	0,55	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
0,75	s	s	0,75	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
1,1	s	s	1,1	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
1,5	s	s	1,5	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			2,2	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			3	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			4	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			5,5	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			7,5	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			11	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			15	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			18,5	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o
			22	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o

s = Standard voltage, o = Voltage upon request

sv-volt-lowa-en_c_te

Please contact the sales network to check other available voltages.

Tolerances on nominal voltages

- **50 Hz**:

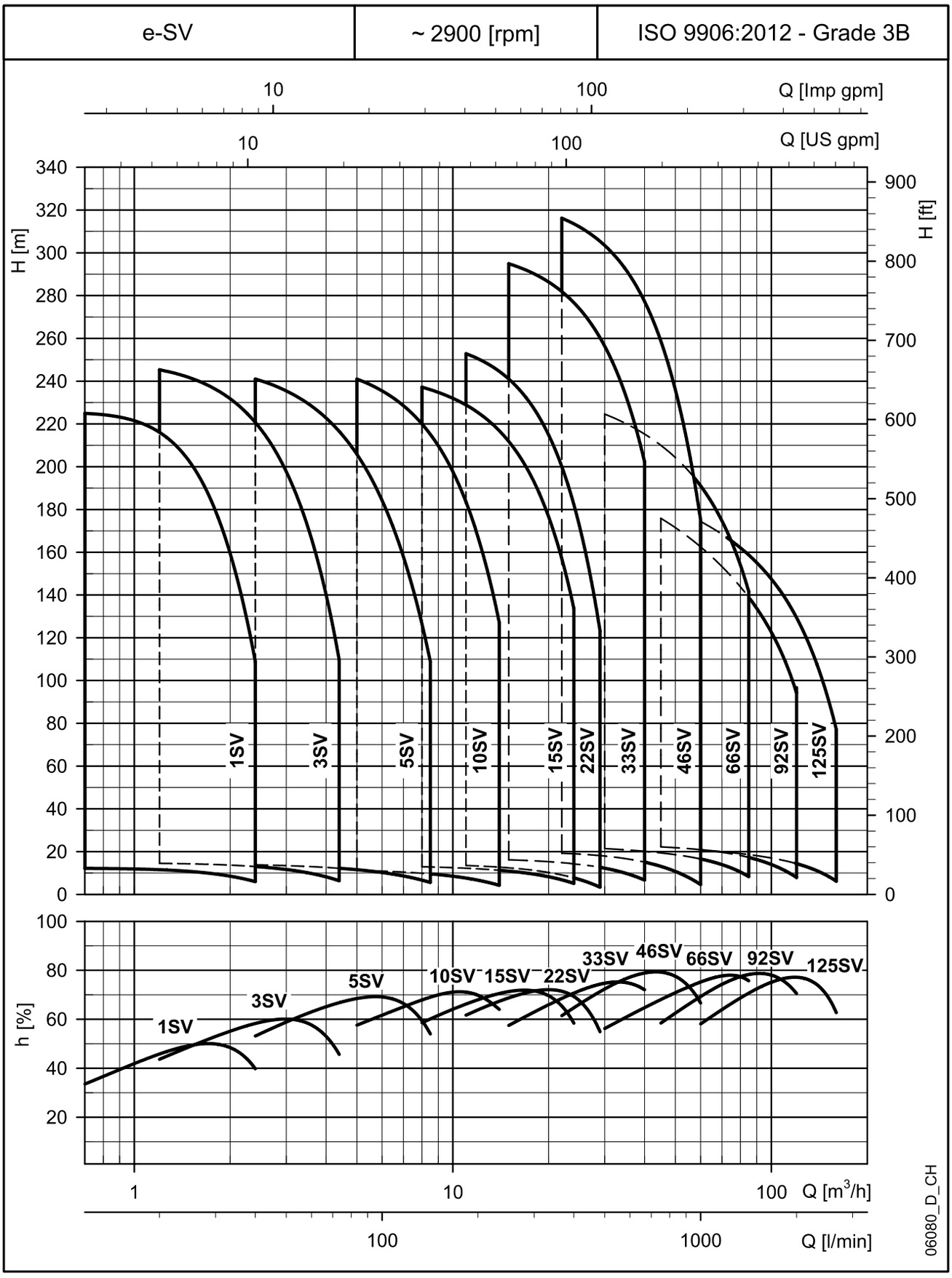
± 10% on the single voltage value shown on the rating plate.
± 5% on voltage range shown on the rating plate.

- **60 Hz**:

± 10% on the voltage values shown on the rating plate.

HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 2 POLES

e-SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



HYDRAULIC PERFORMANCE TABLE AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		MEI ≥	Q = DELIVERY													
				l/min 0	12	20	25	30	35	40	45	50	60	73	100	120	141
				m^3/h 0	0,7	1,2	1,5	1,8	2,1	2,4	2,7	3,0	3,6	4,4	6,0	7,2	8,5
	kW	HP		H = TOTAL HEAD IN METRES OF COLUMN OF WATER													
1SV02	0,37	0,5	0,70	12,2	12,2	11,5	10,7	9,5	7,9	6,0							
1SV03	0,37	0,5	0,70	18,0	18,0	17,0	15,7	13,8	11,4	8,4							
1SV04	0,37	0,5	0,70	23,7	23,5	22,1	20,4	17,9	14,6	10,6							
1SV05	0,37	0,5	0,70	29,3	28,9	27,0	24,8	21,6	17,4	12,5							
1SV06	0,37	0,5	0,70	34,8	34,2	31,7	28,9	25,0	20,0	14,0							
1SV07	0,37	0,5	0,70	40,2	39,2	36,1	32,7	28,1	22,2	15,2							
1SV08	0,55	0,75	0,70	48,1	47,9	45,2	41,8	36,8	30,4	22,4							
1SV09	0,55	0,75	0,70	53,7	53,4	50,4	46,4	40,8	33,5	24,6							
1SV10	0,55	0,75	0,70	59,4	59,0	55,5	51,0	44,7	36,6	26,6							
1SV11	0,55	0,75	0,70	65,1	64,5	60,4	55,5	48,5	39,5	28,5							
1SV12	0,75	1	0,70	73,3	73,1	69,3	64,3	57,1	47,6	35,7							
1SV13	0,75	1	0,70	79,2	78,9	74,8	69,4	61,6	51,2	38,2							
1SV15	0,75	1	0,70	90,9	90,5	85,6	79,3	70,1	58,1	43,1							
1SV17	1,1	1,5	0,70	105,2	104,9	100,0	93,1	82,6	68,6	51,2							
1SV19	1,1	1,5	0,70	117,0	116,7	111,0	103,2	91,5	75,8	56,3							
1SV22	1,1	1,5	0,70	134,6	134,1	127,4	118,1	104,4	86,1	63,5							
1SV25	1,5	2	0,70	152,6	152,4	145,5	135,4	120,0	99,1	72,7							
1SV27	1,5	2	0,70	164,3	164,0	156,4	145,4	128,8	106,1	77,5							
1SV30	1,5	2	0,70	181,7	181,3	172,6	160,1	141,2	115,7	83,9							
1SV32	2,2	3	0,70	197,2	197,1	188,4	175,8	156,5	130,0	96,3							
1SV34	2,2	3	0,70	209,2	208,9	199,8	186,3	165,5	137,1	101,2							
1SV37	2,2	3	0,70	225,9	224,9	216,1	201,9	179,3	148,1	108,7							
3SV02	0,37	0,5	0,70	14,9		14,5	14,3	14,0	13,5	13,0	12,4	11,7	9,8	6,5			
3SV03	0,37	0,5	0,70	22,0		21,2	20,8	20,3	19,6	18,7	17,7	16,6	13,7	8,6			
3SV04	0,37	0,5	0,70	28,9		27,7	27,1	26,2	25,2	23,9	22,5	20,8	16,8	10,1			
3SV05	0,55	0,75	0,70	37,2		36,4	35,8	35,0	33,9	32,6	31,1	29,2	24,5	16,2			
3SV06	0,55	0,75	0,70	44,4		43,4	42,6	41,6	40,2	38,6	36,6	34,3	28,5	18,5			
3SV07	0,75	1	0,70	52,5		51,8	51,0	50,0	48,7	47,0	45,0	42,5	36,1	24,6			
3SV08	0,75	1	0,70	60,0		59,1	58,2	57,0	55,4	53,4	51,0	48,1	40,7	27,5			
3SV09	1,1	1,5	0,70	67,7		66,8	65,8	64,5	62,8	60,6	57,9	54,6	46,4	31,6			
3SV10	1,1	1,5	0,70	75,0		73,8	72,7	71,3	69,3	66,9	63,8	60,2	51,0	34,5			
3SV11	1,1	1,5	0,70	82,3		81,0	79,7	78,0	75,8	73,1	69,7	65,7	55,5	37,4			
3SV12	1,1	1,5	0,70	89,6		87,8	86,4	84,5	82,1	79,1	75,5	71,1	59,9	40,1			
3SV13	1,5	2	0,70	98,1		96,7	95,4	93,5	91,0	87,8	83,9	79,2	67,2	45,6			
3SV14	1,5	2	0,70	105,6		104,1	102,5	100,4	97,7	94,2	89,9	84,8	71,8	48,5			
3SV16	1,5	2	0,70	119,9		117,8	116,1	113,6	110,5	106,5	101,6	95,8	80,9	54,2			
3SV19	2,2	3	0,70	144,3		142,3	140,3	137,5	133,9	129,2	123,5	116,7	99,1	67,6			
3SV21	2,2	3	0,70	159,3		156,9	154,6	151,4	147,3	142,1	135,7	128,0	108,5	73,6			
3SV23	2,2	3	0,70	174,0		171,1	168,5	165,0	160,4	154,7	147,6	139,2	117,7	79,4			
3SV25	2,2	3	0,70	188,5		186,1	183,3	179,3	174,1	167,6	159,7	150,3	126,6	84,8			
3SV27	3	4	0,70	204,4		201,7	198,8	194,7	189,4	182,7	174,4	164,5	139,4	94,4			
3SV29	3	4	0,70	219,3		216,0	212,8	208,3	202,6	195,3	186,4	175,7	148,6	100,2			
3SV31	3	4	0,70	233,8		230,3	226,8	222,0	215,7	207,8	198,2	186,7	157,6	106,0			
3SV33	3	4	0,70	248,5		245,3	241,5	236,2	229,3	220,7	210,2	197,7	166,3	111,2			
5SV02	0,37	0,5	0,70	14,8						13,8	13,7	13,4	13,0	12,2	10,2	8,2	5,7
5SV03	0,55	0,75	0,70	22,8						21,8	21,6	21,3	20,7	19,7	16,9	14,1	10,3
5SV04	0,55	0,75	0,70	30,0						28,2	27,9	27,5	26,6	25,2	21,2	17,3	12,2
5SV05	0,75	1	0,70	38,0						36,4	36,0	35,5	34,5	32,9	28,2	23,5	17,1
5SV06	1,1	1,5	0,70	45,3						43,7	43,3	42,8	41,6	39,6	33,9	28,1	20,3
5SV07	1,1	1,5	0,70	52,7						50,7	50,1	49,5	48,1	45,8	39,1	32,2	23,1
5SV08	1,1	1,5	0,70	60,1						57,6	57,0	56,2	54,6	51,8	44,1	36,2	25,8
5SV09	1,5	2	0,70	68,0						65,5	64,8	64,0	62,2	59,3	50,6	41,9	30,2
5SV10	1,5	2	0,70	75,5						72,4	71,7	70,8	68,7	65,4	55,7	46,0	33,0
5SV11	1,5	2	0,70	82,8						79,3	78,4	77,5	75,2	71,4	60,7	49,9	35,6
5SV12	2,2	3	0,70	90,8						88,0	87,0	86,0	83,4	79,3	67,4	55,7	40,5
5SV13	2,2	3	0,70	98,3						95,0	94,0	92,8	90,0	85,5	72,6	59,9	43,5
5SV14	2,2	3	0,70	105,7						102,0	100,9	99,6	96,6	91,7	77,8	64,0	46,3
5SV15	2,2	3	0,70	113,1						109,0	107,8	106,4	103,1	97,8	82,8	68,1	49,1
5SV16	2,2	3	0,70	120,5						115,9	114,6	113,1	109,6	103,9	87,8	72,1	51,8
5SV18	3	4	0,70	135,8						131,1	129,7	128,0	124,1	117,8	99,9	82,3	59,5
5SV21	3	4	0,70	157,9						152,0	150,3	148,3	143,6	136,1	114,9	94,2	67,6
5SV23	4	5,5	0,70	174,4						168,9	167,2	165,1	160,2	152,3	129,6	107,2	78,2
5SV25	4	5,5	0,70	189,2						183,1	181,1	178,9	173,5	164,8	140,1	115,7	84,1
5SV28	4	5,5	0,70	211,5						204,2	201,9	199,4	193,3	183,4	155,5	128,0	92,7
5SV30	5,5	7,5	0,70	227,0						219,8	217,5	214,8	208,4	198,1	168,5	139,3	101,5
5SV33	5,5	7,5	0,70	249,2						241,0	238,4	235,5	228,4	216,9	184,2	151,9	110,3

Hydraulic performances in compliance with ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

1-5sv-2p50-en_e_th

HYDRAULIC PERFORMANCE TABLE AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		MEI ≥	Q = DELIVERY													
				l/min 0	83,34	100	133	170	183,34	233	270	330	350	400	430	460	483,33
				m^3/h 0	5,0	6,0	8,0	10,2	11,0	14,0	16,2	19,8	21,0	24,0	25,8	27,6	29,0
	kW	HP		H = TOTAL HEAD IN METRES OF COLUMN OF WATER													
10SV01	0,75	1	0,70	11,8	11,2	10,9	9,9	8,3	7,6	4,3							
10SV02	0,75	1	0,70	23,6	21,9	21,3	19,6	17,0	15,8	10,0							
10SV03	1,1	1,5	0,70	35,7	33,0	32,1	29,6	25,8	24,1	16,0							
10SV04	1,5	2	0,70	47,7	44,2	43,0	39,9	34,8	32,6	21,7							
10SV05	2,2	3	0,70	60,0	56,1	54,7	50,9	44,9	42,2	29,0							
10SV06	2,2	3	0,70	71,8	66,8	65,0	60,4	53,1	49,8	33,9							
10SV07	3	4	0,70	83,6	78,3	76,2	70,8	62,1	58,3	39,8							
10SV08	3	4	0,70	95,3	88,9	86,5	80,1	70,2	65,7	44,5							
10SV09	4	5,5	0,70	106,3	100,1	97,5	90,8	80,0	75,1	52,1							
10SV10	4	5,5	0,70	118,0	110,8	107,9	100,3	88,2	82,8	57,2							
10SV11	4	5,5	0,70	129,6	121,3	118,1	109,6	96,3	90,3	62,1							
10SV13	5,5	7,5	0,70	156,0	146,5	142,7	132,6	116,4	109,2	74,3							
10SV15	5,5	7,5	0,70	179,5	167,9	163,4	151,6	132,8	124,3	83,9							
10SV17	7,5	10	0,70	205,0	193,2	188,5	175,7	154,7	145,2	98,8							
10SV18	7,5	10	0,70	216,9	204,2	199,1	185,5	163,2	153,1	104,0							
10SV20	7,5	10	0,70	240,6	226,0	220,3	205,0	180,2	168,9	114,3							
10SV21	11	15	0,70	253,6	241,0	235,5	220,2	195,0	183,5	127,5							
15SV01	1,1	1,5	0,70	14,0			12,9	12,4	12,2	11,3	10,4	8,4	7,6	5,1			
15SV02	2,2	3	0,70	28,7			26,7	25,9	25,5	23,9	22,4	18,9	17,4	13,1			
15SV03	3	4	0,70	43,3			40,4	39,1	38,6	36,2	33,8	28,7	26,5	20,1			
15SV04	4	5,5	0,70	58,4			54,7	53,1	52,5	49,4	46,3	39,7	36,9	28,7			
15SV05	4	5,5	0,70	72,7			67,8	65,8	65,0	61,0	57,1	48,7	45,2	34,9			
15SV06	5,5	7,5	0,70	87,6			81,5	79,4	78,4	74,1	69,9	60,3	56,3	44,2			
15SV07	5,5	7,5	0,70	101,9			94,5	91,9	90,8	85,7	80,6	69,4	64,7	50,5			
15SV08	7,5	10	0,70	117,4			110,9	108,0	106,8	100,8	94,9	82,0	76,7	60,6			
15SV09	7,5	10	0,70	131,9			124,4	121,0	119,6	112,8	106,1	91,5	85,5	67,4			
15SV10	11	15	0,70	147,7			138,8	135,3	133,8	126,7	119,6	103,9	97,4	77,5			
15SV11	11	15	0,70	162,3			152,4	148,5	146,8	138,9	131,1	113,8	106,5	84,7			
15SV13	11	15	0,70	191,3			179,2	174,5	172,5	163,1	153,7	133,1	124,5	98,6			
15SV15	15	20	0,70	222,1			209,9	204,8	202,6	192,2	181,7	158,3	148,5	118,8			
15SV17	15	20	0,70	251,6			237,3	231,4	228,9	216,9	205,0	178,4	167,3	133,6			
22SV01	1,1	1,5	0,70	14,7					13,5	12,7	12,0	10,4	9,7	7,7	6,3	4,7	3,4
22SV02	2,2	3	0,70	30,4					28,4	27,2	26,0	23,3	22,2	18,9	16,6	13,8	11,5
22SV03	3	4	0,70	45,4					42,2	40,4	38,5	34,5	32,8	27,8	24,2	20,2	16,6
22SV04	4	5,5	0,70	60,9					56,8	54,4	51,9	46,6	44,4	37,9	33,1	27,7	23,0
22SV05	5,5	7,5	0,70	76,0					70,9	67,9	64,9	58,3	55,6	47,4	41,4	34,7	28,8
22SV06	7,5	10	0,70	93,2					88,8	85,7	82,5	75,4	72,4	63,3	56,7	49,1	42,6
22SV07	7,5	10	0,70	108,5					103,1	99,4	95,7	87,2	83,7	73,1	65,3	56,5	48,8
22SV08	11	15	0,70	124,6					119,2	115,2	111,0	101,6	97,7	85,7	77,0	66,9	58,2
22SV09	11	15	0,70	140,1					133,7	129,2	124,4	113,8	109,3	95,8	86,0	74,6	64,8
22SV10	11	15	0,70	155,4					148,2	143,1	137,8	125,9	120,9	105,8	94,8	82,3	71,3
22SV12	15	20	0,70	186,1					178,6	172,9	166,8	152,9	147,0	129,1	115,9	100,7	87,4
22SV14	15	20	0,70	216,6					207,7	200,9	193,7	177,4	170,4	149,4	133,9	116,1	100,6
22SV17	18,5	25	0,70	263,5					252,8	244,7	236,0	216,2	207,8	182,3	163,6	142,0	123,2

Hydraulic performances in compliance with ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

10-22sv-2p50-en_d_th

HYDRAULIC PERFORMANCE TABLE AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		MEI ≥	Q = DELIVERY										
				l/min 0	250	300	367	417	500	583	667	750	900	1000
				m^3/h 0	15	18	22	25	30	35	40	45	54	60
	kW	HP		H = TOTAL HEAD METRES COLUMN OF WATER										
33SV1/1A	2,2	3	0,70	17,4	16,2	15,7	15,0	14,0	12,2	9,8	6,7			
33SV1	3	4	0,70	23,8	21,7	21,2	20,3	20,0	17,8	15,5	12,7			
33SV2/2A	4	5,5	0,70	35,1	34,1	33,3	32,0	30,0	27,0	22,4	16,6			
33SV2/1A	4	5,5	0,70	40,8	38,8	37,9	36,0	35,0	32,0	27,5	22,3			
33SV2	5,5	7,5	0,70	47,8	45,0	44,1	43,0	41,0	39,0	35,0	29,9			
33SV3/2A	5,5	7,5	0,70	57,7	55,2	53,8	51,0	49,0	44,0	38,0	29,6			
33SV3/1A	7,5	10	0,70	64,5	61,3	60,0	58,0	56,0	51,0	45,0	37,0			
33SV3	7,5	10	0,70	71,5	67,4	66,0	64,0	62,0	58,0	52,0	44,6			
33SV4/2A	7,5	10	0,70	82,0	78,8	77,0	74,0	72,0	66,0	58,0	47,2			
33SV4/1A	11	15	0,70	88,9	85,0	83,0	81,0	78,0	73,0	65,0	55,1			
33SV4	11	15	0,70	95,9	91,1	90,0	87,0	85,0	80,0	73,0	63,1			
33SV5/2A	11	15	0,70	106,0	101,6	100,0	96,0	93,0	85,0	76,0	63,0			
33SV5/1A	11	15	0,70	112,7	107,2	105,0	102,0	99,0	92,0	82,0	70,0			
33SV5	15	20	0,70	120,4	114,9	113,0	110,0	107,0	101,0	92,0	80,5			
33SV6/2A	15	20	0,70	131,2	126,9	125,0	120,0	116,0	108,0	96,0	81,2			
33SV6/1A	15	20	0,70	139,1	133,5	131,0	128,0	124,0	116,0	105,0	90,4			
33SV6	15	20	0,70	145,6	139,0	137,0	133,0	129,0	121,0	110,0	96,1			
33SV7/2A	15	20	0,70	156,0	149,9	147,0	143,0	138,0	128,0	115,0	98,2			
33SV7/1A	18,5	25	0,70	163,3	156,6	154,0	150,0	145,0	136,0	123,0	106,2			
33SV7	18,5	25	0,70	170,3	162,8	160,0	156,0	152,0	142,0	130,0	113,3			
33SV8/2A	18,5	25	0,70	180,6	173,7	171,0	166,0	161,0	150,0	135,0	115,3			
33SV8/1A	18,5	25	0,70	187,4	179,5	177,0	171,0	166,0	156,0	141,0	121,7			
33SV8	22	30	0,70	194,1	185,1	182,0	177,0	172,0	161,0	147,0	128,0			
33SV9/2A	22	30	0,70	202,1	194,1	191,0	185,0	179,0	166,0	150,0	127,9			
33SV9/1A	22	30	0,70	210,2	201,2	198,0	192,0	186,0	174,0	157,0	135,9			
33SV9	22	30	0,70	216,8	206,8	204,0	198,0	193,0	181,0	165,0	143,7			
33SV10/2A	22	30	0,70	226,4	217,2	213,0	207,0	200,0	186,0	168,0	143,9			
33SV10/1A	30	40	0,70	234,5	225,0	221,0	215,0	209,0	196,0	178,0	154,2			
33SV10	30	40	0,70	241,8	231,3	228,0	222,0	216,0	203,0	185,0	162,2			
33SV11/2A	30	40	0,70	252,0	244,0	240,0	233,0	226,0	211,0	190,0	163,7			
33SV11/1A	30	40	0,70	259,0	249,2	245,0	238,0	232,0	217,0	197,0	171,0			
33SV11	30	40	0,70	265,7	253,6	250,0	243,0	236,0	222,0	203,0	176,9			
33SV12/2A	30	40	0,70	275,9	266,2	262,0	254,0	246,0	229,0	207,0	178,3			
33SV12/1A	30	40	0,70	282,8	271,5	267,0	260,0	252,0	236,0	214,0	185,6			
33SV12	30	40	0,70	289,8	276,7	272,0	265,0	258,0	242,0	221,0	192,9			
33SV13/2A	30	40	0,70	300,5	291,1	286,0	278,0	270,0	252,0	228,0	197,6			
33SV13/1A	30	40	0,70	306,9	294,9	290,0	282,0	274,0	256,0	233,0	202,4			
46SV1/1A	3	4	0,70	19,5			19,2	18,8	17,9	16,7	15,1	13,1	8,5	4,6
46SV1	4	5,5	0,70	27,2			24,0	23,5	22,5	21,4	19,9	18,2	14,3	10,8
46SV2/2A	5,5	7,5	0,70	38,8			39,8	39,2	37,8	35,7	32,9	29,4	21,1	13,9
46SV2	7,5	10	0,70	52,6			48,5	47,7	46,1	44,2	41,7	38,7	31,4	25,1
46SV3/2A	11	15	0,70	64,7			65,1	64,0	62,0	60,0	56,0	52,0	40,4	30,8
46SV3	11	15	0,70	80,8			74,3	73,0	71,0	68,0	65,0	60,0	50,0	40,7
46SV4/2A	15	20	0,70	92,4			90,7	90,0	87,0	83,0	79,0	73,0	58,0	45,6
46SV4	15	20	0,70	107,3			99,8	98,0	96,0	92,0	87,0	82,0	68,0	55,9
46SV5/2A	18,5	25	0,70	117,2			114,8	113,0	110,0	106,0	100,0	93,0	75,0	60,2
46SV5	18,5	25	0,70	134,5			125,1	123,0	120,0	116,0	110,0	103,0	86,0	71,5
46SV6/2A	22	30	0,70	143,7			139,3	138,0	134,0	129,0	122,0	113,0	92,0	73,4
46SV6	22	30	0,70	161,0			149,9	148,0	144,0	139,0	132,0	124,0	104,0	86,0
46SV7/2A	30	40	0,70	171,3			164,9	163,0	158,0	152,0	144,0	134,0	110,0	88,6
46SV7	30	40	0,70	188,6			175,5	173,0	168,0	162,0	155,0	145,0	122,0	101,2
46SV8/2A	30	40	0,70	198,2			190,0	188,0	182,0	176,0	166,0	155,0	127,0	103,1
46SV8	30	40	0,70	213,1			198,6	196,0	191,0	184,0	175,0	164,0	137,0	112,6
46SV9/2A	30	40	0,70	224,8			214,5	212,0	206,0	198,0	187,0	174,0	143,0	116,0
46SV9	37	50	0,70	240,9			225,2	222,0	217,0	209,0	199,0	187,0	157,0	130,2
46SV10/2A	37	50	0,70	252,7			241,1	238,0	232,0	223,0	212,0	198,0	164,0	133,9
46SV10	37	50	0,70	267,6			250,3	247,0	241,0	232,0	221,0	208,0	174,0	144,8
46SV11/2A	45	60	0,70	280,4			267,4	264,0	258,0	249,0	237,0	222,0	184,0	151,1
46SV11	45	60	0,70	295,5			276,4	273,0	266,0	257,0	245,0	230,0	194,0	161,3
46SV12/2A	45	60	0,70	307,3			292,5	289,0	282,0	272,0	259,0	243,0	202,0	165,8
46SV12	45	60	0,70	321,8			301,0	297,0	290,0	280,0	267,0	250,0	210,0	175,0
46SV13/2A	45	60	0,70	332,5			316,2	312,0	304,0	292,0	277,0	259,0	214,0	175,0

Hydraulic performances in compliance with ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

33-46sv-2p50-en_c_th

HYDRAULIC PERFORMANCE TABLE AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		MEI ≥	Q = DELIVERY												
				l/min 0	500	600	700	750	900	1000	1200	1300	1417	1600	1800	2000
				m^3/h 0	30	36	42	45	54	60	72	78	85	96	108	120
	kW	HP		H = TOTAL HEAD METRES COLUMN OF WATER												
66SV1/1A	4	5,5	0,70	23,8	21,4	20,7	19,9	19,4	17,8	16,6	13,3	11,2	8,3			
66SV1	5,5	7,5	0,70	29,2	25,8	24,8	23,8	23,3	21,8	20,7	17,9	16,1	13,5			
66SV2/2A	7,5	10	0,70	47,5	42,6	41,2	39,5	38,6	35,5	32,9	26,4	22,2	16,4			
66SV2/1A	11	15	0,70	54,2	49,6	48,2	46,7	45,8	42,9	40,6	34,8	31,2	26,2			
66SV2	11	15	0,70	60,4	55,7	54,4	52,8	52,0	49,3	47,1	42,0	38,9	34,7			
66SV3/2A	15	20	0,70	78,4	71,6	69,6	67,2	65,9	61,5	57,9	49,0	43,3	35,3			
66SV3/1A	15	20	0,70	84,7	77,8	75,8	73,5	72,2	68,0	64,6	56,3	51,1	44,0			
66SV3	18,5	25	0,70	91,4	84,7	82,7	80,5	79,3	75,2	72,0	64,4	59,8	53,5			
66SV4/2A	18,5	25	0,70	108,9	99,6	96,9	93,8	92,1	86,3	81,6	70,1	62,8	52,8			
66SV4/1A	22	30	0,70	115,2	105,9	103,1	100,1	98,5	92,9	88,6	77,8	71,1	61,8			
66SV4	22	30	0,70	121,6	112,5	109,8	106,9	105,3	99,8	95,7	85,5	79,2	70,8			
66SV5/2A	30	40	0,70	139,1	127,5	124,1	120,2	118,2	111,1	105,5	91,5	82,7	70,4			
66SV5/1A	30	40	0,70	145,6	134,0	130,5	126,8	124,7	117,8	112,4	99,2	90,9	79,5			
66SV5	30	40	0,70	152,0	140,4	137,0	133,3	131,3	124,6	119,4	106,8	99,1	88,5			
66SV6/2A	30	40	0,70	169,5	155,6	151,5	146,9	144,4	136,0	129,4	112,9	102,5	88,1			
66SV6/1A	30	40	0,70	176,0	162,0	157,9	153,4	151,0	142,7	136,3	120,5	110,7	97,2			
66SV6	37	50	0,70	182,4	168,5	164,4	159,9	157,5	149,5	143,3	128,2	118,9	106,2			
66SV7/2A	37	50	0,70	199,9	183,7	178,9	173,6	170,7	160,9	153,2	134,2	122,3	105,8			
66SV7/1A	37	50	0,70	206,4	190,1	185,3	180,1	177,2	167,6	160,2	141,9	130,5	114,9			
66SV7	45	60	0,70	212,8	196,5	191,8	186,6	183,8	174,4	167,2	149,6	138,7	123,9			
66SV8/2A	45	60	0,70	230,3	211,8	206,3	200,2	196,9	185,8	177,1	155,6	142,1	123,5			
66SV8/1A	45	60	0,70	236,8	218,2	212,7	206,7	203,5	192,6	184,1	163,3	150,3	132,6			
66SV8	45	60	0,70	243,2	224,6	219,2	213,2	210,0	199,3	191,1	171,0	158,5	141,6			
92SV1/1A	5,5	7,5	0,60	24,5				22,2	21,5	20,9	19,4	18,5	17,3	15,0	11,8	7,9
92SV1	7,5	10	0,60	33,5				28,7	27,2	26,2	24,3	23,3	22,2	20,2	17,6	14,3
92SV2/2A	11	15	0,60	49,4				45,1	43,7	42,5	39,6	37,9	35,5	30,9	24,6	16,8
92SV2	15	20	0,60	67,8				58,2	55,3	53,4	49,5	47,6	45,2	41,4	36,3	29,6
92SV3/2A	18,5	25	0,60	82,4				74,4	71,6	69,6	64,8	62,1	58,6	52,2	43,6	32,9
92SV3	22	30	0,60	102,2				88,2	84,0	81,2	75,5	72,6	69,2	63,4	55,9	46,3
92SV4/2A	30	40	0,60	115,7				104,0	99,9	97,0	90,4	86,8	82,1	73,8	62,8	49,0
92SV4	30	40	0,60	133,1				117,0	111,7	108,0	100,6	96,8	92,3	84,6	74,8	62,5
92SV5/2A	37	50	0,60	149,0				133,2	127,8	124,0	115,6	111,0	105,2	94,9	81,4	64,6
92SV5	37	50	0,60	166,4				146,3	139,6	135,0	125,8	121,0	115,3	105,7	93,5	78,1
92SV6/2A	45	60	0,60	183,3				163,1	156,4	151,6	141,4	135,4	128,9	116,7	100,8	81,0
92SV6	45	60	0,60	200,9				175,9	168,0	162,5	151,4	145,7	138,8	127,2	112,5	94,2

Hydraulic performances in compliance with ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

66-92sv-2p50-en_d_th

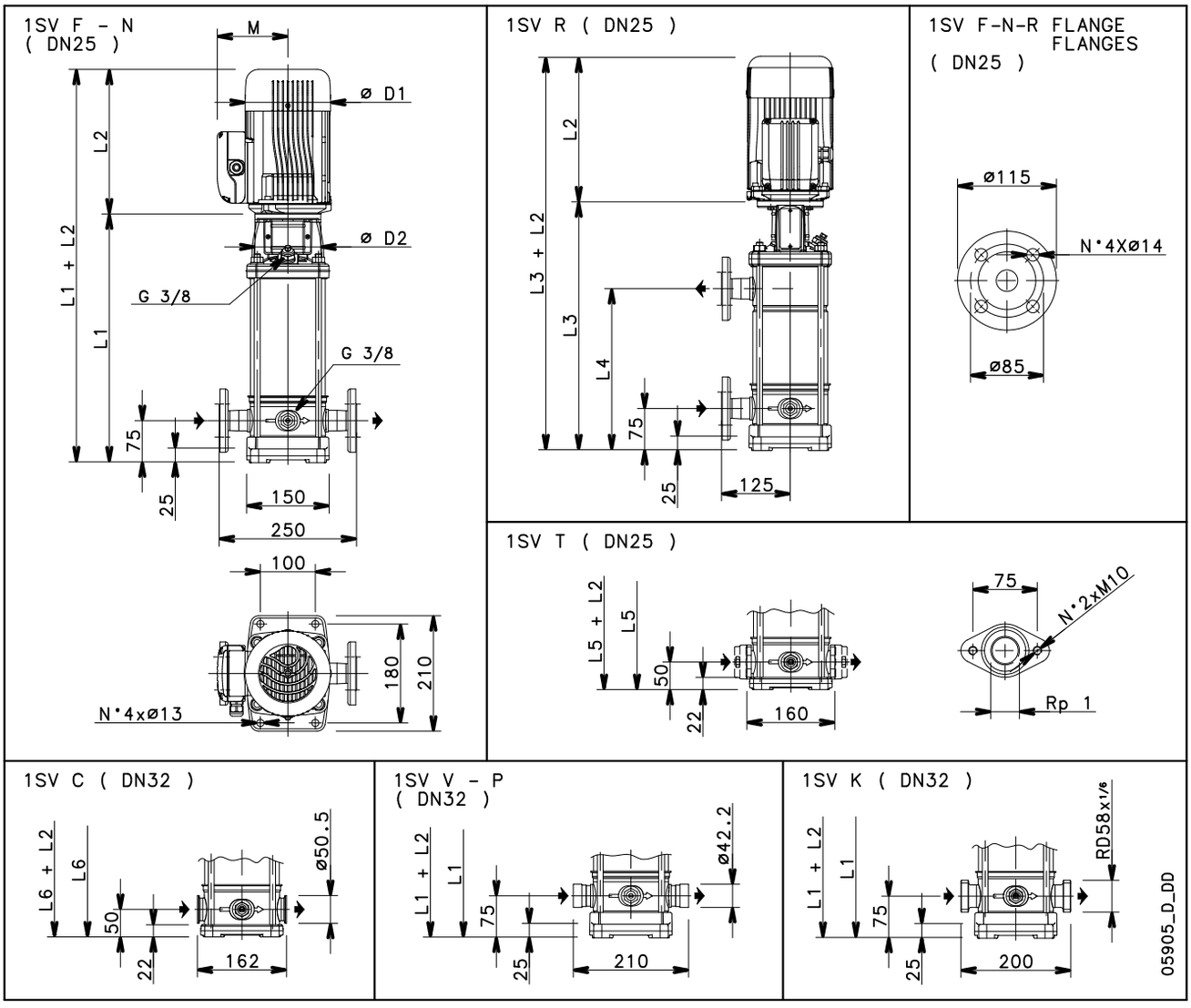
HYDRAULIC PERFORMANCE TABLE AT 50 Hz, 2 POLES

PUMP TYPE	RATED POWER		MEI ≥	Q = DELIVERY													
				l/min 0	500	600	750	900	1000	1200	1416	1700	1900	2000	2150	2300	2666
				m^3/h 0	30,0	36,0	45,0	54,0	60,0	72,0	85,0	102,0	114,0	120,0	129,0	138,0	160,0
	kW	HP		H = TOTAL HEAD IN METRES OF COLUMN OF WATER													
125SV1	7,5	10	-	27,6					20,8	19,8	18,6	16,8	15,3	14,4	12,9	11,3	6,2
125SV2	15	20	-	53,8					44,4	42,5	40,4	37,1	34,4	32,9	30,4	27,7	19,6
125SV3	22	30	-	80,7					66,5	63,8	60,6	55,7	51,6	49,4	45,7	41,5	29,4
125SV4	30	40	-	107,6					88,7	85,0	80,7	74,2	68,8	65,8	60,9	55,4	39,2
125SV5	37	50	-	134,5					110,9	106,3	100,9	92,8	86,0	82,3	76,1	69,2	49,0
125SV6	45	60	-	161,4					133,1	127,6	121,1	111,3	103,2	98,7	91,3	83,1	58,8
125SV7	55	75	-	188,3					155,2	148,8	141,3	129,9	120,4	115,2	106,6	96,9	68,6
125SV8/2A	55	75	-	211,5					174,4	167,2	158,7	145,9	135,3	129,4	119,7	108,9	77,1

Hydraulic performances in compliance with ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

125sv-2p50-en_b_th

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

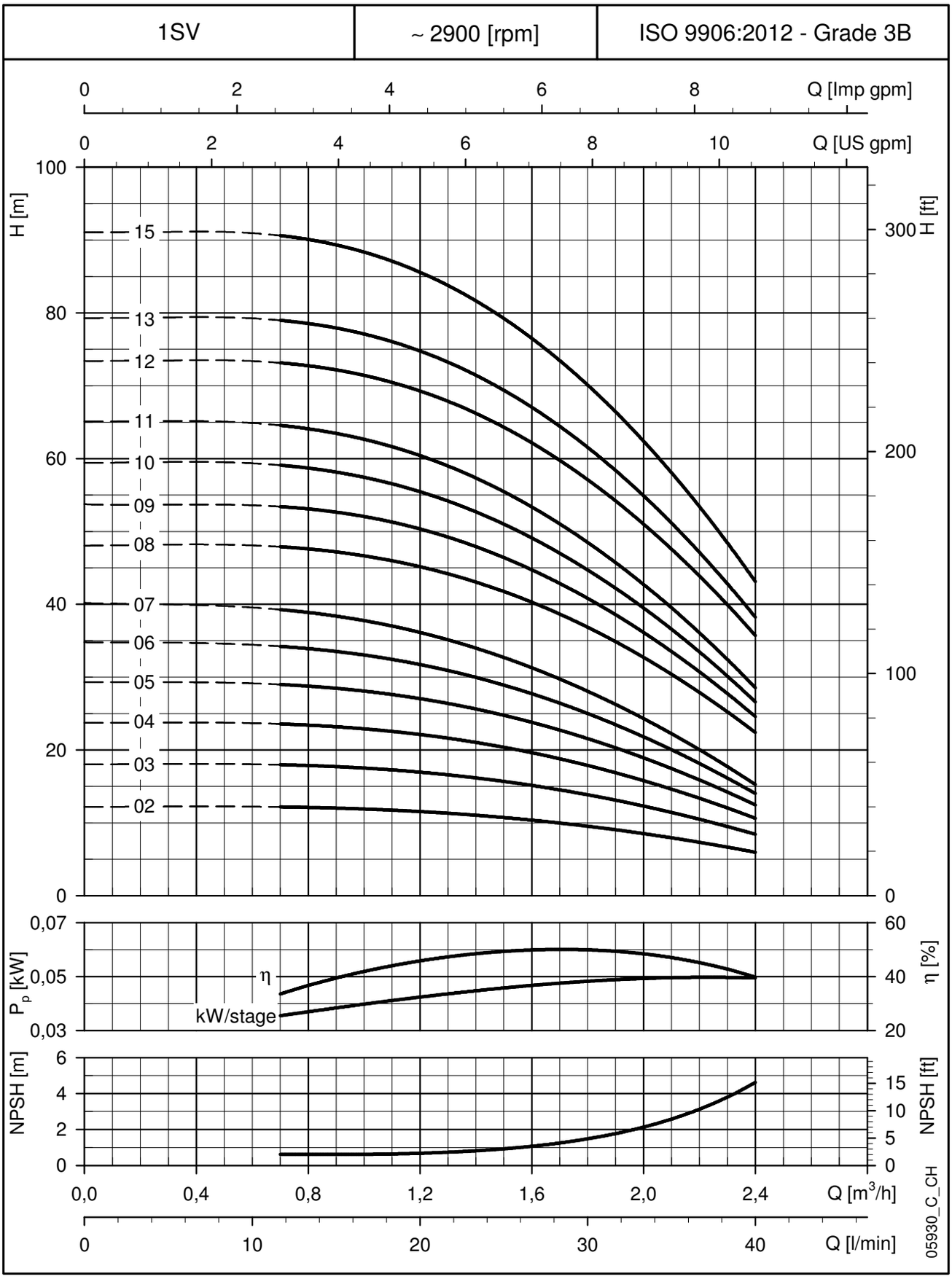


PUMP TYPE	MOTOR		DIMENSIONS (mm)													WEIGHT kg		
				L2						M		D1				ELECTRIC PUMP		
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	L6	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
1SV02..	0,37	71R	278	209	209	-	-	253	253	111	111	120	120	105	8,3	13,8	13,0
1SV03..	0,37	71R	278	209	209	-	-	253	253	111	111	120	120	105	8,6	14,1	13,4
1SV04..	0,37	71R	298	209	209	-	-	273	273	111	111	120	120	105	9	14,5	13,8
1SV05..	0,37	71R	318	209	209	-	-	293	293	111	111	120	120	105	9,4	14,9	14,2
1SV06..	0,37	71R	338	209	209	-	-	313	313	111	111	120	120	105	9,8	15,3	14,6
1SV07..	0,37	71R	358	209	209	358	207	333	333	111	111	120	120	105	10,2	15,7	14,9
1SV08..	0,55	71	378	231	231	378	227	353	353	121	121	140	140	105	10,5	18,0	15,2
1SV09..	0,55	71	398	231	231	398	247	373	373	121	121	140	140	105	10,9	18,4	15,6
1SV10..	0,55	71	418	231	231	418	267	393	393	121	121	140	140	105	11,3	18,8	16,0
1SV11..	0,55	71	438	231	231	438	287	413	413	121	121	140	140	105	11,7	19,2	16,4
1SV12../D	0,75	80	468	263	263	468	307	443	443	137	129	155	155	120	12,7	22,5	22,3
1SV13../D	0,75	80	488	263	263	488	327	463	463	137	129	155	155	120	13,1	22,9	22,7
1SV15../D	0,75	80	528	263	263	528	367	503	503	137	129	155	155	120	13,9	23,7	23,5

1sv-1-2p50-en_c_td

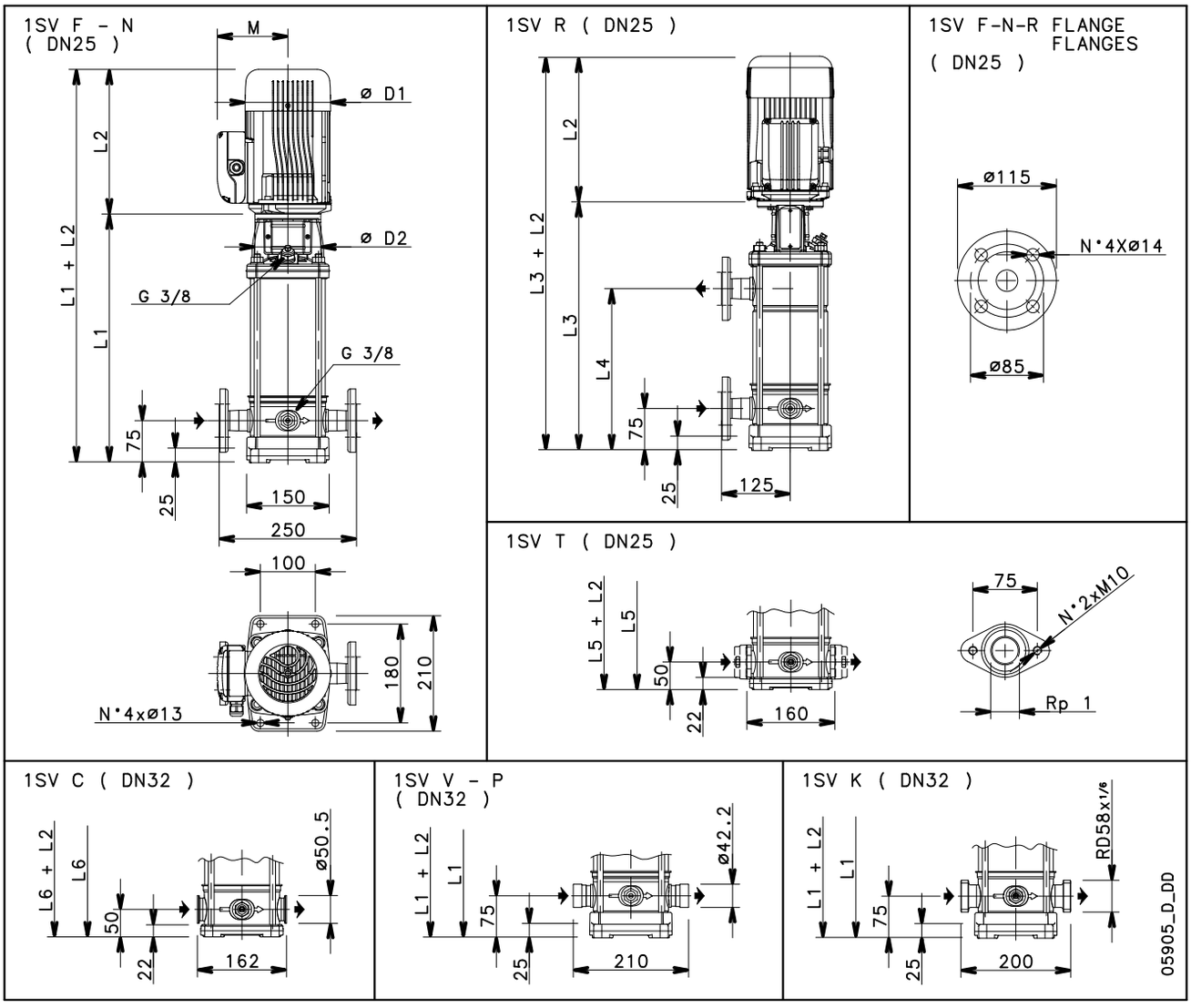
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

1SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

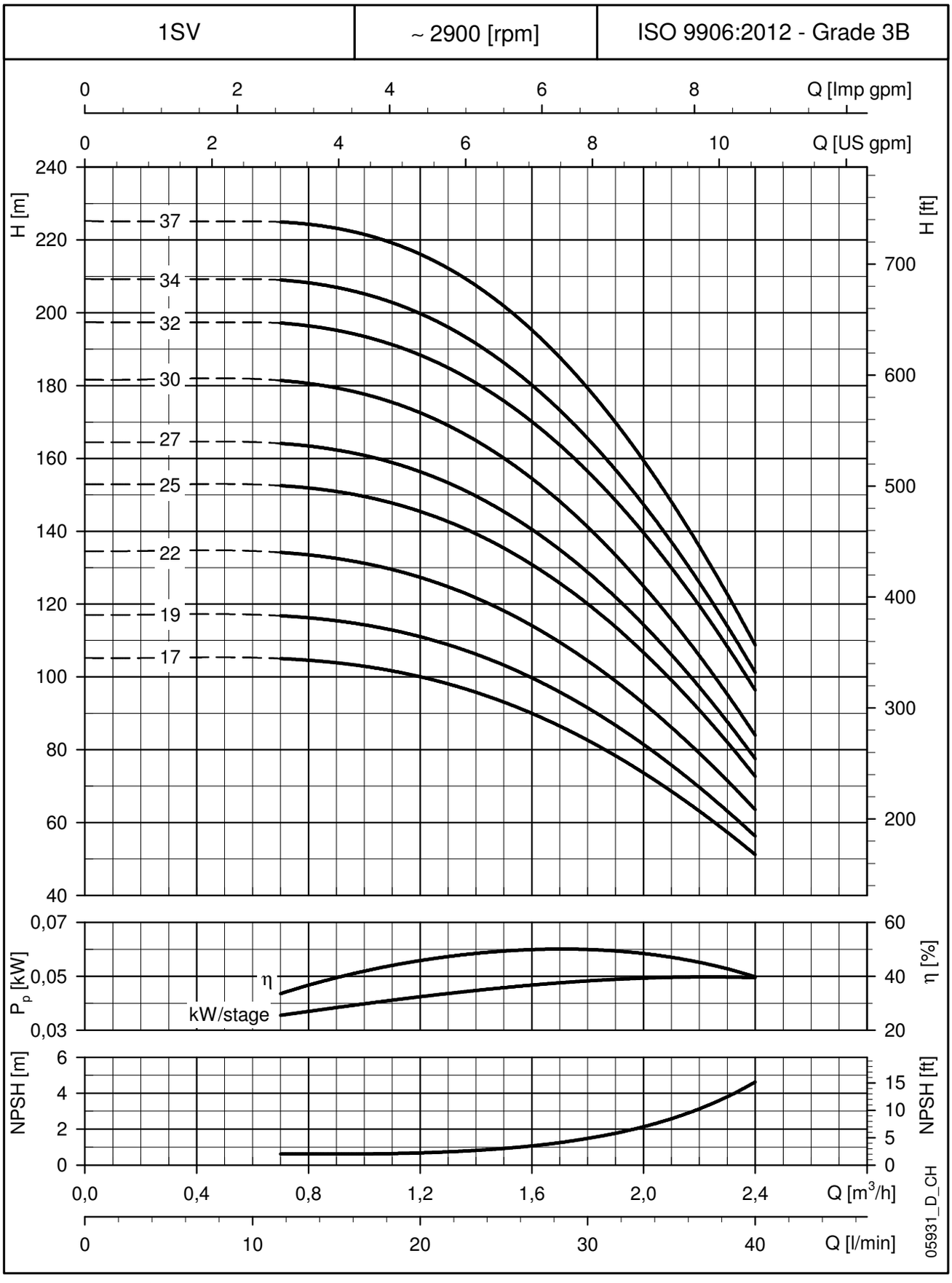


PUMP TYPE	MOTOR		DIMENSIONS (mm)													WEIGHT kg		
				L2						M		D1				ELECTRIC PUMP		
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	L6	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
1SV17../D	1,1	80	568	263	263	568	407	543	543	137	129	155	155	120	14,7	26,2	26,6
1SV19../D	1,1	80	608	263	263	608	447	583	583	137	129	155	155	120	15,5	27,0	28,0
1SV22../D	1,1	80	668	263	263	668	507	643	643	137	129	155	155	120	16,7	28,2	28,6
1SV25../D	1,5	90	738	298	263	738	567	713	713	159	129	174	155	140	18,7	43,7	32,0
1SV27../D	1,5	90	778	298	263	778	607	-	753	159	129	174	155	140	19,5	44,5	33,0
1SV30../D	1,5	90	838	298	263	838	667	-	813	159	129	174	155	140	20,7	45,7	34,0
1SV32../D	2,2	90	878	-	298	878	707	-	853	-	134	-	174	140	21,5	-	37,8
1SV34../D	2,2	90	918	-	298	918	747	-	893	-	134	-	174	140	22,3	-	38,6
1SV37../D	2,2	90	978	-	298	978	807	-	953	-	134	-	174	140	23,5	-	39,8

1sv-2-2p50-en_e_td

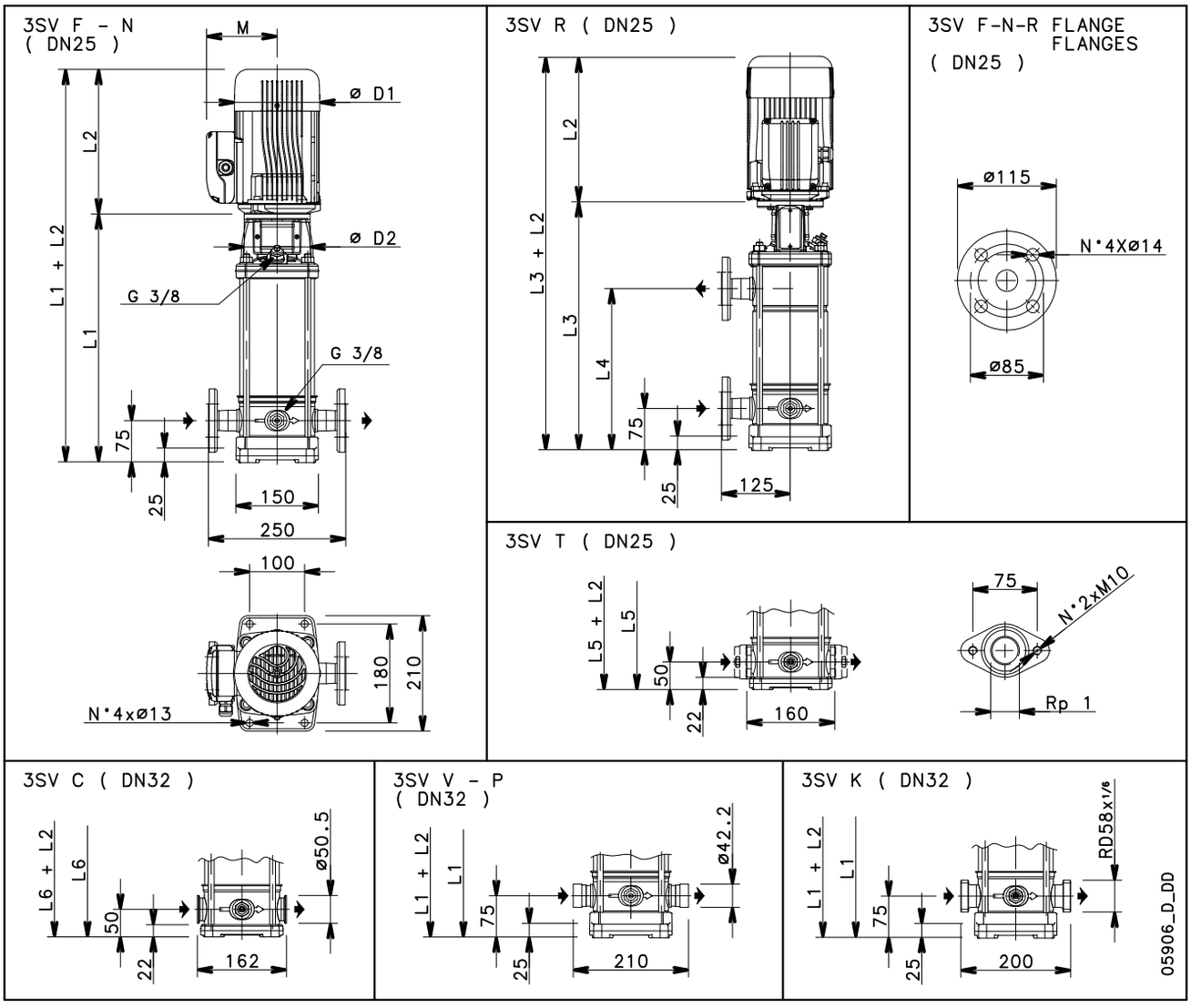
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

1SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

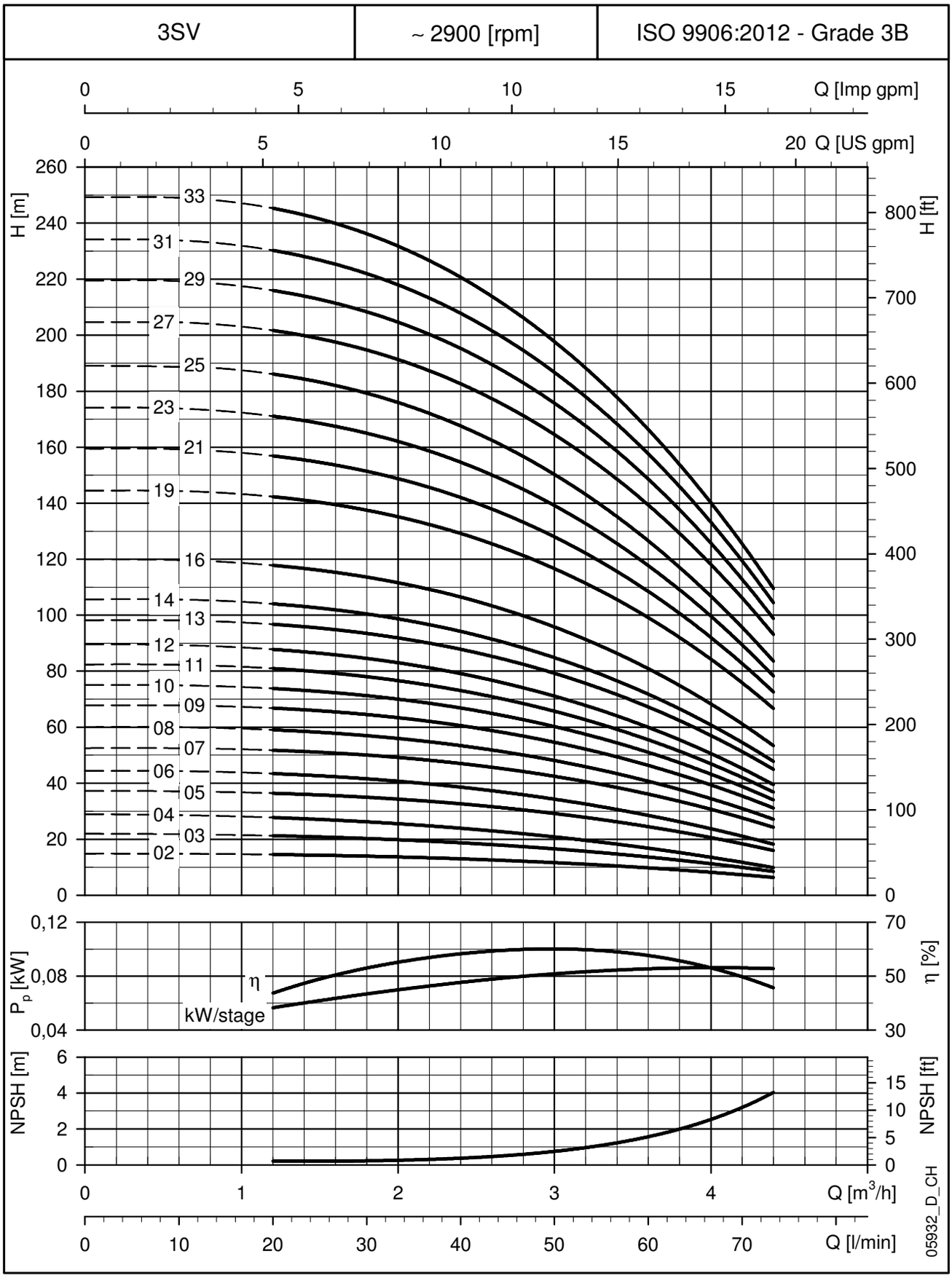


PUMP TYPE	MOTOR		DIMENSIONS (mm)													WEIGHT kg		
				L2						M		D1				ELECTRIC PUMP	
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	L6	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
3SV02..	0,37	71R	278	209	209	-	-	253	253	111	111	120	120	105	8,0	13,5	12,8
3SV03..	0,37	71R	278	209	209	-	-	253	253	111	111	120	120	105	8,4	13,9	13,2
3SV04..	0,37	71R	298	209	209	-	-	273	273	111	111	120	120	105	8,8	14,3	13,6
3SV05..	0,55	71	318	231	231	-	-	293	293	121	121	140	140	105	9,2	16,7	14,0
3SV06..	0,55	71	338	231	231	-	-	313	313	121	121	140	140	105	9,7	17,2	16,4
3SV07../D	0,75	80	368	263	263	368	207	343	343	137	129	155	155	120	10,9	20,7	20,5
3SV08../D	0,75	80	388	263	263	388	227	363	363	137	129	155	155	120	11,3	21,1	20,9
3SV09../D	1,1	80	408	263	263	408	247	383	383	137	129	155	155	120	11,7	23,2	23,1
3SV10../D	1,1	80	428	263	263	428	267	403	403	137	129	155	155	120	12,1	23,6	23,5
3SV11../D	1,1	80	448	263	263	448	287	423	423	137	129	155	155	120	12,5	24,0	23,9
3SV12../D	1,1	80	468	263	263	468	307	443	443	137	129	155	155	120	13,3	24,8	24,7
3SV13../D	1,5	90	498	298	263	498	327	473	473	159	129	174	155	140	14,0	39,0	27,0
3SV14../D	1,5	90	518	298	263	518	347	493	493	159	129	174	155	140	14,4	39,4	27,5
3SV16../D	1,5	90	558	298	263	558	387	533	533	159	129	174	155	140	15,2	40,2	28,2
3SV19../D	2,2	90	618	-	298	618	447	593	593	-	134	-	174	140	16,4	-	34,4
3SV21../D	2,2	90	658	-	298	658	487	633	633	-	134	-	174	140	17,2	-	35,2
3SV23../D	2,2	90	698	-	298	698	527	-	673	-	134	-	174	140	18,0	-	36,0
3SV25../D	2,2	90	738	-	298	738	567	-	713	-	134	-	174	140	18,9	-	36,8
3SV27../D	3	100	788	-	298	788	607	-	763	-	134	-	174	160	20,7	-	42,6
3SV29../D	3	100	828	-	298	828	647	-	803	-	134	-	174	160	21,5	-	43,4
3SV31../D	3	100	868	-	298	868	687	-	843	-	134	-	174	160	22,3	-	44,2
3SV33../D	3	100	908	-	298	908	727	-	883	-	134	-	174	160	23,1	-	45,0

3sv-2p50-en_e_td

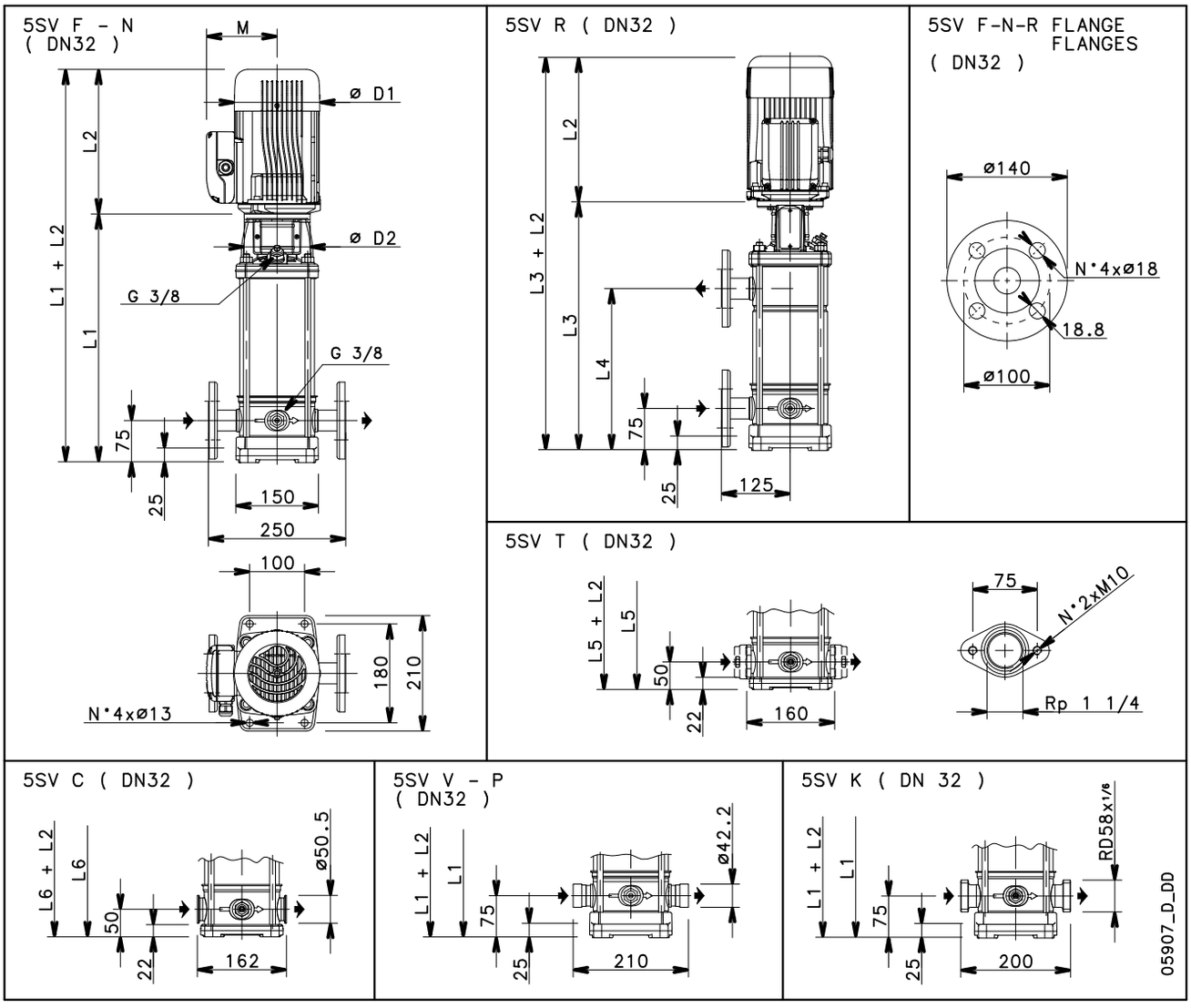
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

3SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

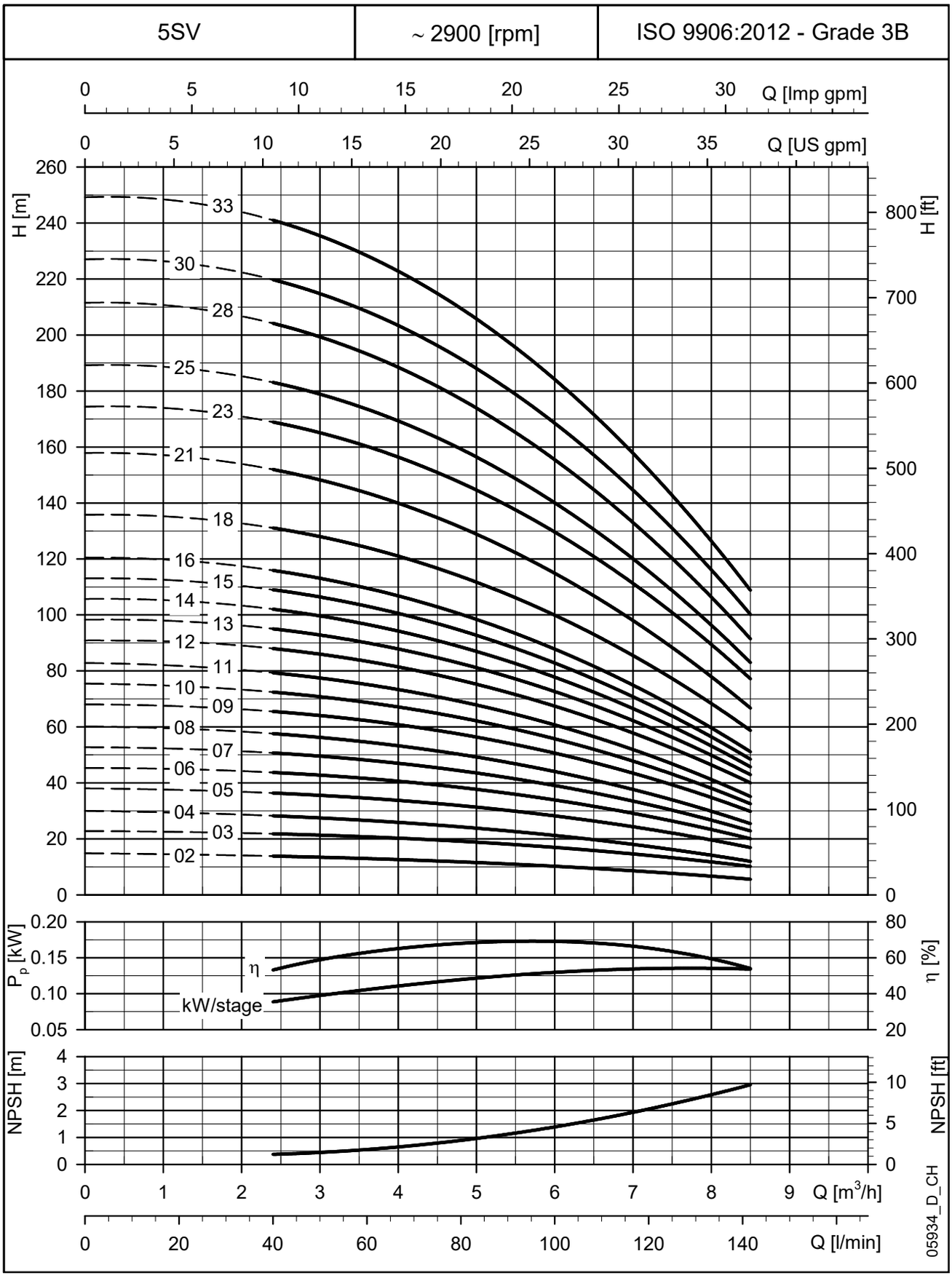


PUMP TYPE	MOTOR		DIMENSIONS (mm)													WEIGHT kg		
				L2						M		D1				ELECTRIC PUMP		
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	L6	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
5SV02..	0,37	71R	268	209	209	-	-	243	243	111	111	120	120	105	8,4	13,9	13,2
5SV03..	0,55	71	293	231	231	-	-	268	268	121	121	140	140	105	8,9	16,4	15,7
5SV04..	0,55	71	318	231	231	-	-	293	293	121	121	140	140	105	9,4	16,9	16,1
5SV05../D	0,75	80	353	263	263	-	-	328	328	137	129	155	155	120	10,5	20,3	20,1
5SV06../D	1,1	80	378	263	263	-	-	353	353	137	129	155	155	120	11,0	22,5	22,4
5SV07../D	1,1	80	403	263	263	403	242	378	378	137	129	155	155	120	11,5	23,0	22,9
5SV08../D	1,1	80	428	263	263	428	267	403	403	137	129	155	155	120	12,1	23,6	23,5
5SV09../D	1,5	90	463	298	263	463	292	438	438	159	129	174	155	140	12,7	37,7	26,0
5SV10../D	1,5	90	488	298	263	488	317	463	463	159	129	174	155	140	13,1	38,1	26,5
5SV11../D	1,5	90	513	298	263	513	342	488	488	159	129	174	155	140	13,6	38,6	27,0
5SV12../D	2,2	90	538	-	298	538	367	513	513	-	134	-	174	140	14,1	-	32,3
5SV13../D	2,2	90	563	-	298	563	392	538	538	-	134	-	174	140	14,6	-	32,8
5SV14../D	2,2	90	588	-	298	588	417	563	563	-	134	-	174	140	15,0	-	33,2
5SV15../D	2,2	90	613	-	298	613	442	588	588	-	134	-	174	140	15,5	-	33,7
5SV16../D	2,2	90	638	-	298	638	467	613	613	-	134	-	174	140	16,0	-	34,2
5SV18../D	3	100	698	-	298	698	517	673	673	-	134	-	174	160	18,0	-	39,0
5SV21../D	3	100	773	-	298	773	592	748	748	-	134	-	174	160	19,4	-	40,4
5SV23../D	4	112	823	-	319	823	642	-	798	-	154	-	197	160	20,4	-	47,0
5SV25../D	4	112	873	-	319	873	692	-	848	-	154	-	197	160	21,3	-	48,0
5SV28../D	4	112	948	-	319	948	767	-	923	-	154	-	197	160	23,0	-	49,4
5SV30../D	5,5	132	1018	-	375	1018	817	-	993	-	168	-	214	300	28,1	-	65,7
5SV33../D	5,5	132	1093	-	375	1093	892	-	1068	-	168	-	214	300	29,5	-	67,1

5sv-2p50-en_e_td

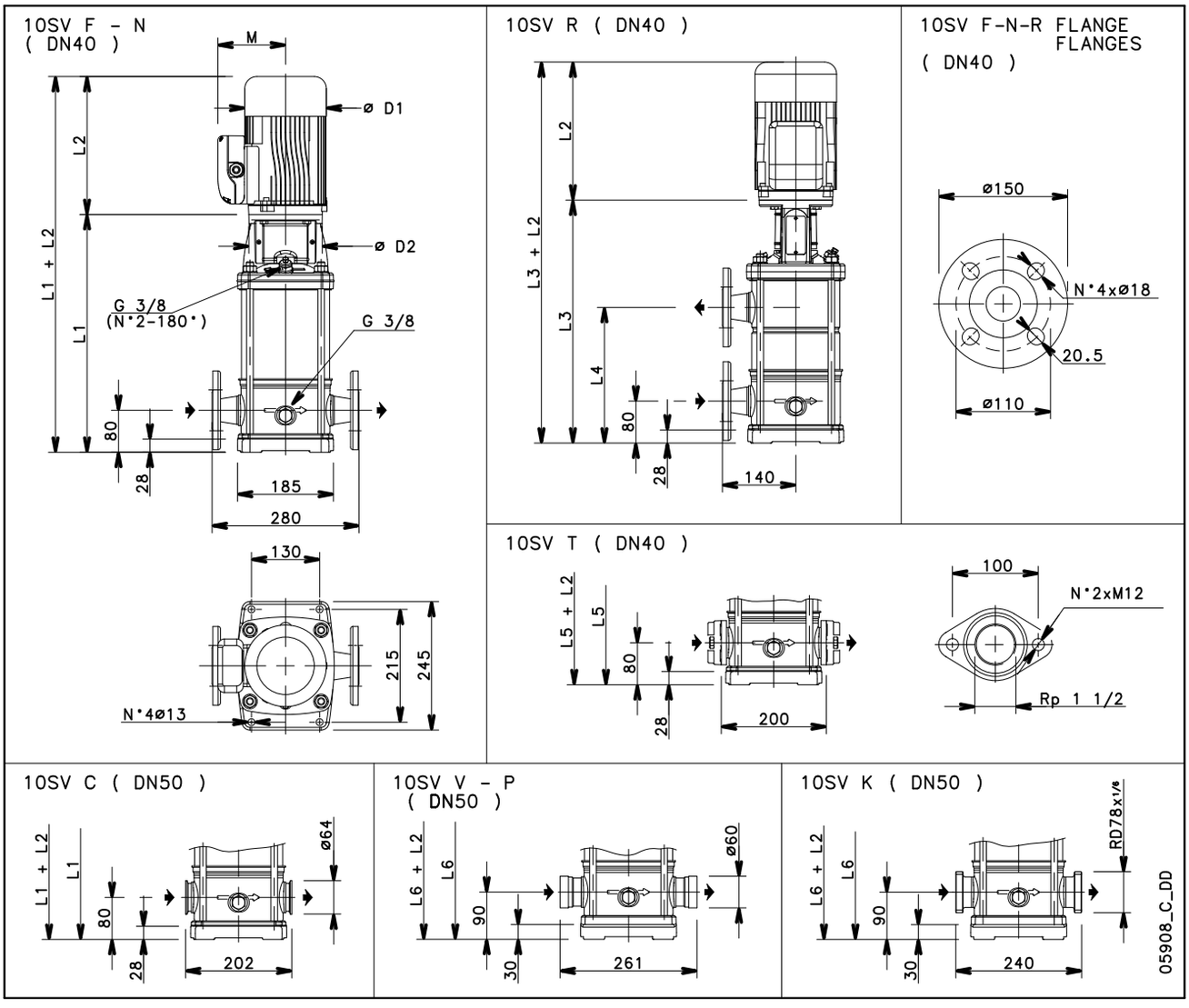
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

5SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

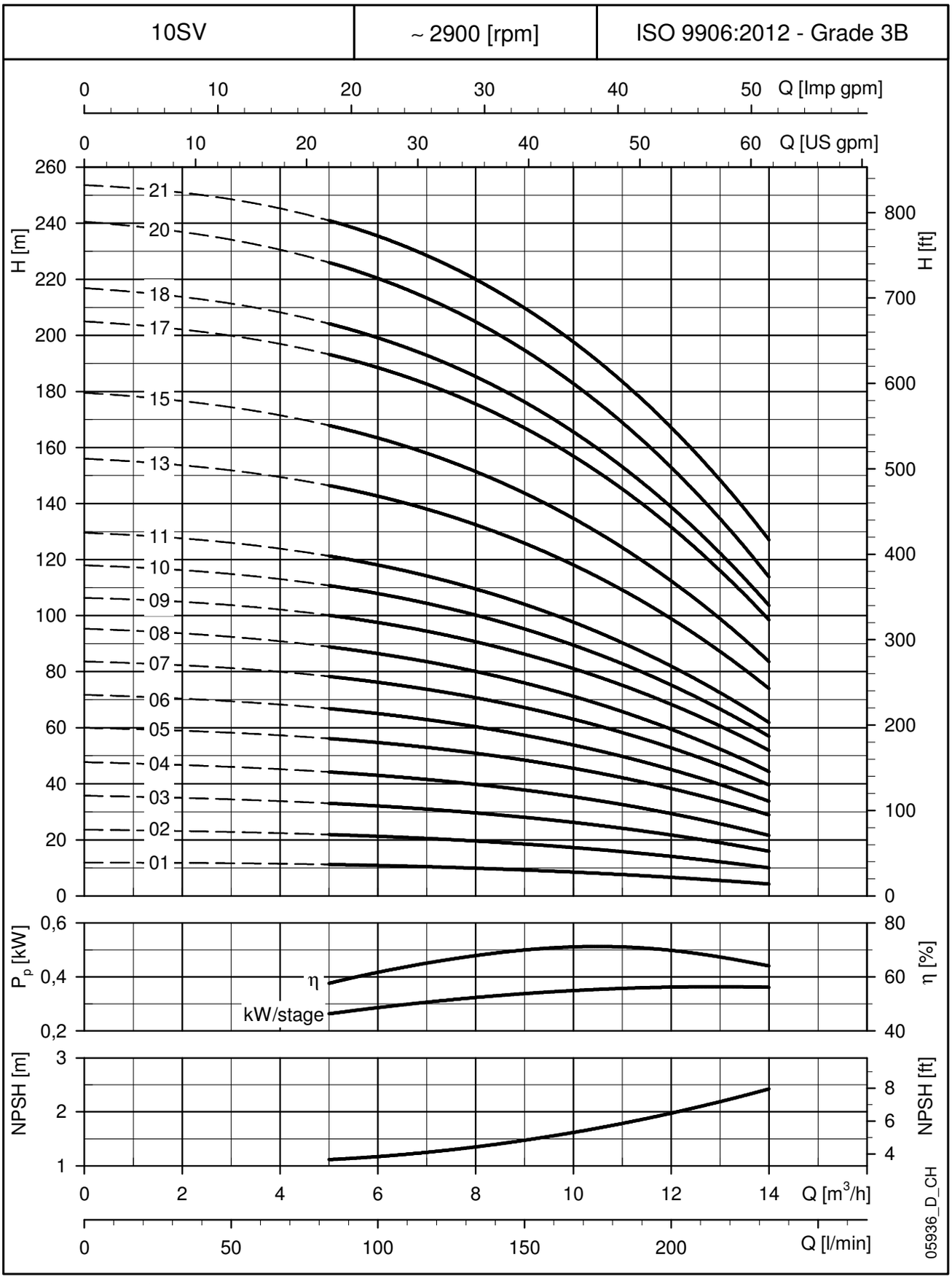


PUMP TYPE	MOTOR		DIMENSIONS (mm)													WEIGHT kg		
				L2						M		D1				ELECTRIC PUMP		
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	L6	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
10SV01../D	0,75	80	357	263	263	-	-	357	367	137	129	155	155	120	14,2	24,0	24,0
10SV02../D	0,75	80	357	263	263	-	-	357	367	137	129	155	155	120	15,1	24,9	24,9
10SV03../D	1,1	80	389	263	263	-	-	389	399	137	129	155	155	120	16,1	27,6	27,6
10SV04../D	1,5	90	431	298	263	-	-	431	441	159	129	174	155	140	17,6	42,6	31,0
10SV05../D	2,2	90	463	-	298	463	259	463	473	-	134	-	174	140	18,5	-	36,7
10SV06../D	2,2	90	495	-	298	495	291	495	505	-	134	-	174	140	19,7	-	37,9
10SV07../D	3	100	537	-	298	537	323	537	547	-	134	-	174	160	21,5	-	42,5
10SV08../D	3	100	569	-	298	569	355	569	579	-	134	-	174	160	22,4	-	43,4
10SV09../D	4	112	601	-	319	601	387	601	611	-	154	-	197	160	23,3	-	49,7
10SV10../D	4	112	633	-	319	633	419	633	643	-	154	-	197	160	24,3	-	50,7
10SV11../D	4	112	665	-	319	665	451	665	675	-	154	-	197	160	25,2	-	52,0
10SV13../D	5,5	132	796	-	375	796	515	796	806	-	168	-	214	300	33,1	-	71,0
10SV15../D	5,5	132	860	-	375	860	579	-	870	-	168	-	214	300	35,0	-	73,0
10SV17../E	7,5	132	924	-	345	924	643	-	934	-	186	-	264	300	36,9	-	88,6
10SV18../E	7,5	132	956	-	345	956	675	-	966	-	186	-	264	300	37,8	-	89,5
10SV20../E	7,5	132	1020	-	345	1020	739	-	1030	-	186	-	264	300	39,6	-	91,3
10SV21../D	11	160	1082	-	428	1082	771	-	1092	-	191	-	256	350	42,2	-	113,0

10sv-2p50-en_f_td

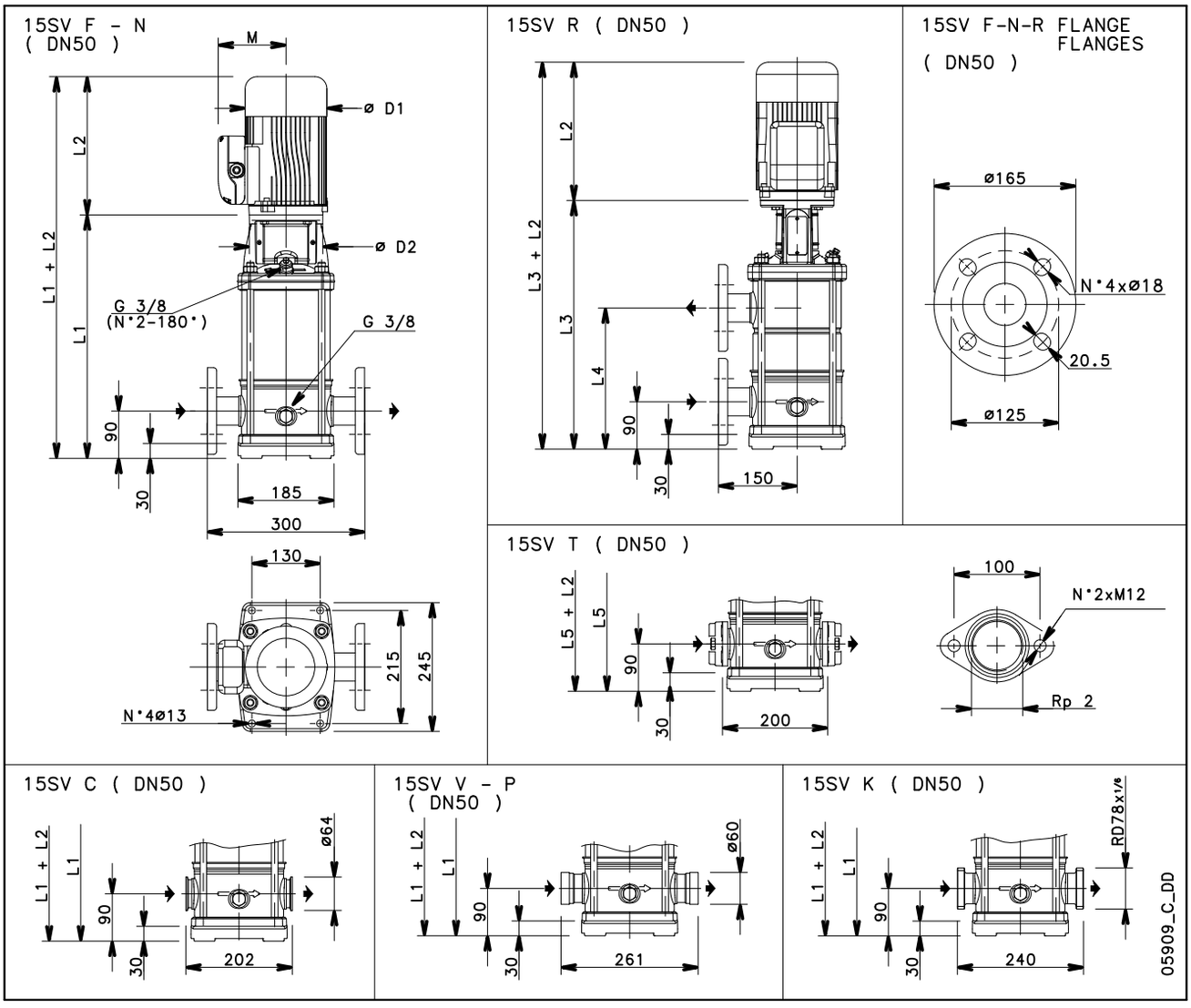
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

10SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

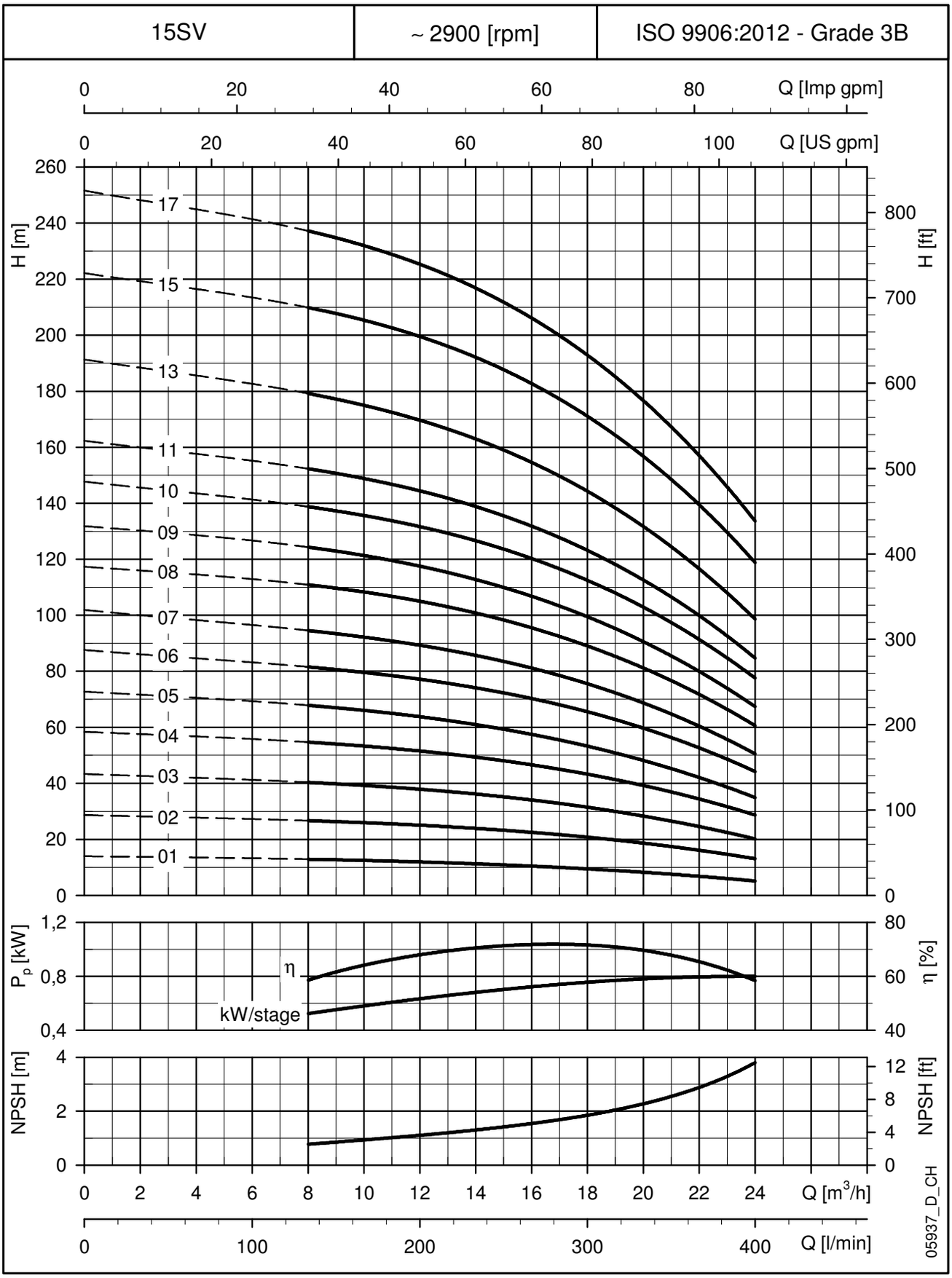


PUMP TYPE	MOTOR		DIMENSIONS (mm)											WEIGHT kg		
				L2					M		D1			ELECTRIC PUMP		
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
15SV01../D	1,1	80	399	263	263	-	-	399	137	129	129	155	120	15,0	26,5	26,8
15SV02../D	2,2	90	409	-	298	-	-	409	-	134	-	174	140	16,8	-	34,7
15SV03../D	3	100	467	-	298	-	-	467	-	134	-	174	160	19,0	-	40,0
15SV04../D	4	112	515	-	319	515	301	515	-	154	-	197	160	20,3	-	46,8
15SV05../D	4	112	563	-	319	563	349	563	-	154	-	197	160	21,5	-	47,9
15SV06../D	5,5	132	678	-	375	678	397	678	-	168	-	214	300	28,9	-	67,0
15SV07../D	5,5	132	726	-	375	726	445	726	-	168	-	214	300	30,2	-	68,0
15SV08../E	7,5	132	774	-	345	774	493	774	-	186	-	264	300	31,5	-	83,2
15SV09../E	7,5	132	822	-	345	822	541	822	-	186	-	264	300	32,8	-	84,5
15SV10../D	11	160	900	-	428	900	589	900	-	191	-	256	350	37,0	-	108
15SV11../D	11	160	948	-	428	948	637	-	-	191	-	256	350	38,3	-	109
15SV13../D	11	160	1044	-	428	1044	733	-	-	191	-	256	350	41,0	-	112
15SV15../E	15	160	1140	-	500	1140	829	-	-	240	-	321	350	43,7	-	147
15SV17../E	15	160	1236	-	500	1236	925	-	-	240	-	321	350	46,7	-	150

15sv-2p50-en_f_td

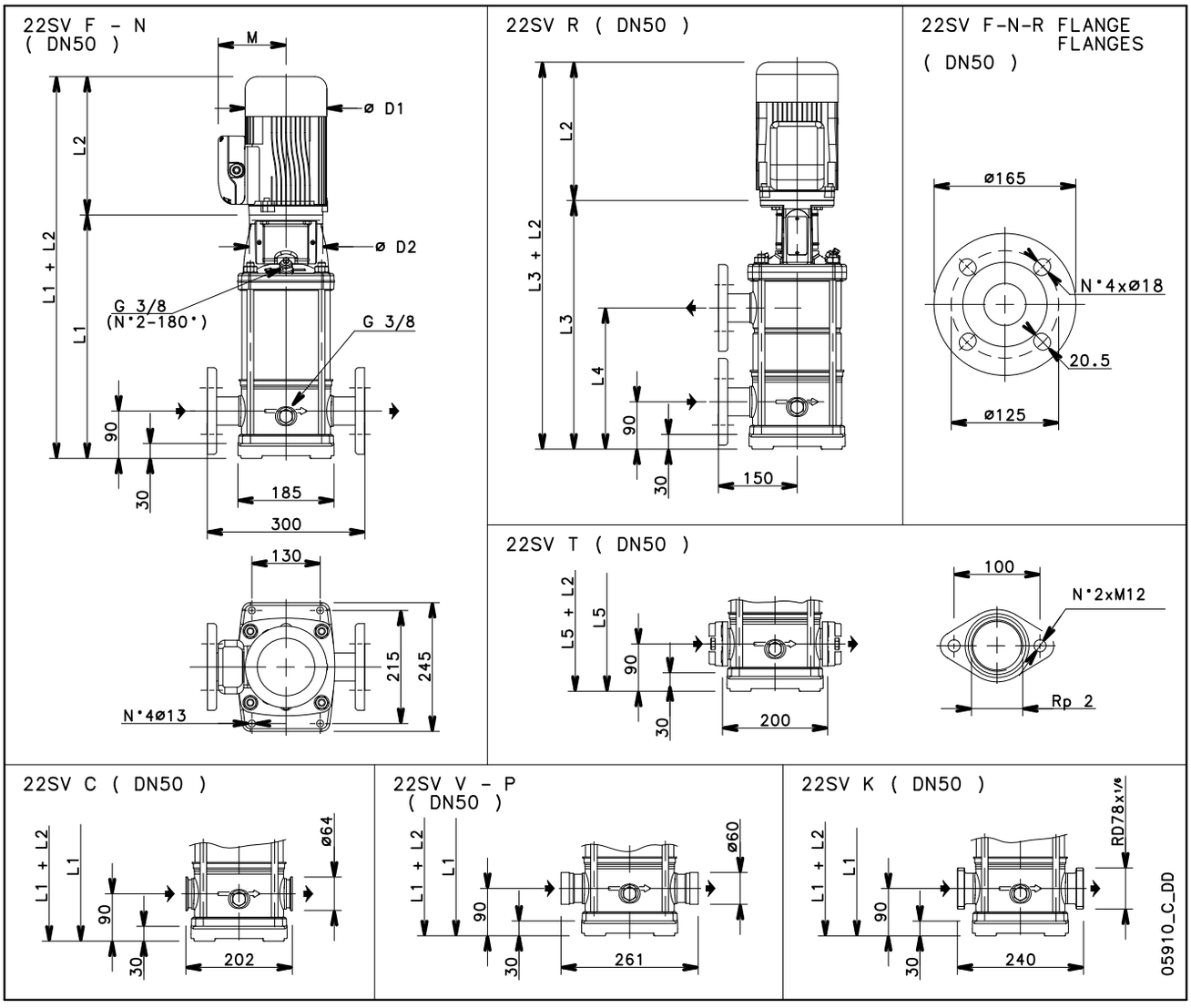
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

15SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

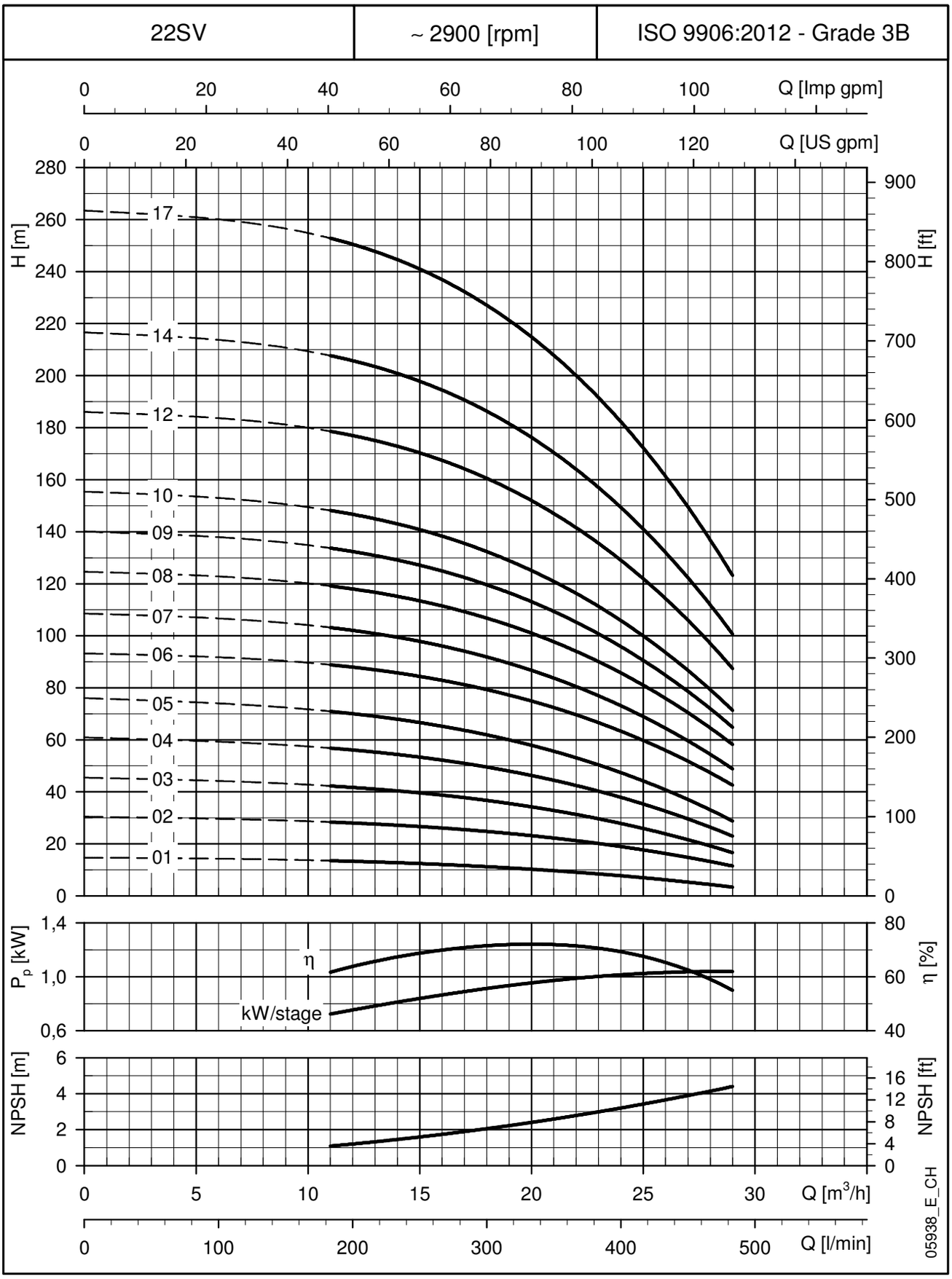


PUMP TYPE	MOTOR		DIMENSIONS (mm)												WEIGHT kg		
				L2					M		D1				ELECTRIC PUMP		
	kW	SIZE	L1	1 ~	3 ~	L3	L4	L5	1 ~	3 ~	1 ~	3 ~	D2	PUMP	1 ~	3 ~
22SV01../D	1,1	80	399	263	263	-	-	399	137	129	129	155	120	15,5	27,0	26,9
22SV02../D	2,2	90	409	-	298	-	-	409	-	134	-	174	140	17,2	-	35,4
22SV03../D	3	100	467	-	298	-	-	467	-	134	-	174	160	19,4	-	40,4
22SV04../D	4	112	515	-	319	515	301	515	-	154	-	197	160	20,7	-	47,1
22SV05../D	5,5	132	630	-	375	630	349	630	-	168	-	214	300	26,7	-	65,0
22SV06../E	7,5	132	678	-	345	678	397	678	-	186	-	264	300	28,0	-	79,7
22SV07../E	7,5	132	726	-	345	726	445	726	-	186	-	264	300	29,3	-	81,0
22SV08../D	11	160	804	-	428	804	493	804	-	191	-	256	350	33,1	-	104
22SV09../D	11	160	852	-	428	852	541	852	-	191	-	256	350	34,4	-	105
22SV10../D	11	160	900	-	428	900	589	900	-	191	-	256	350	35,8	-	107
22SV12../E	15	160	996	-	500	996	685	-	-	240	-	321	350	38,4	-	141
22SV14../E	15	160	1092	-	500	1092	781	-	-	240	-	321	350	41,1	-	144
22SV17../E	18,5	160	1236	-	545	1236	925	-	-	240	-	322	350	45,1	-	163

22sv-2p50-en_f_td

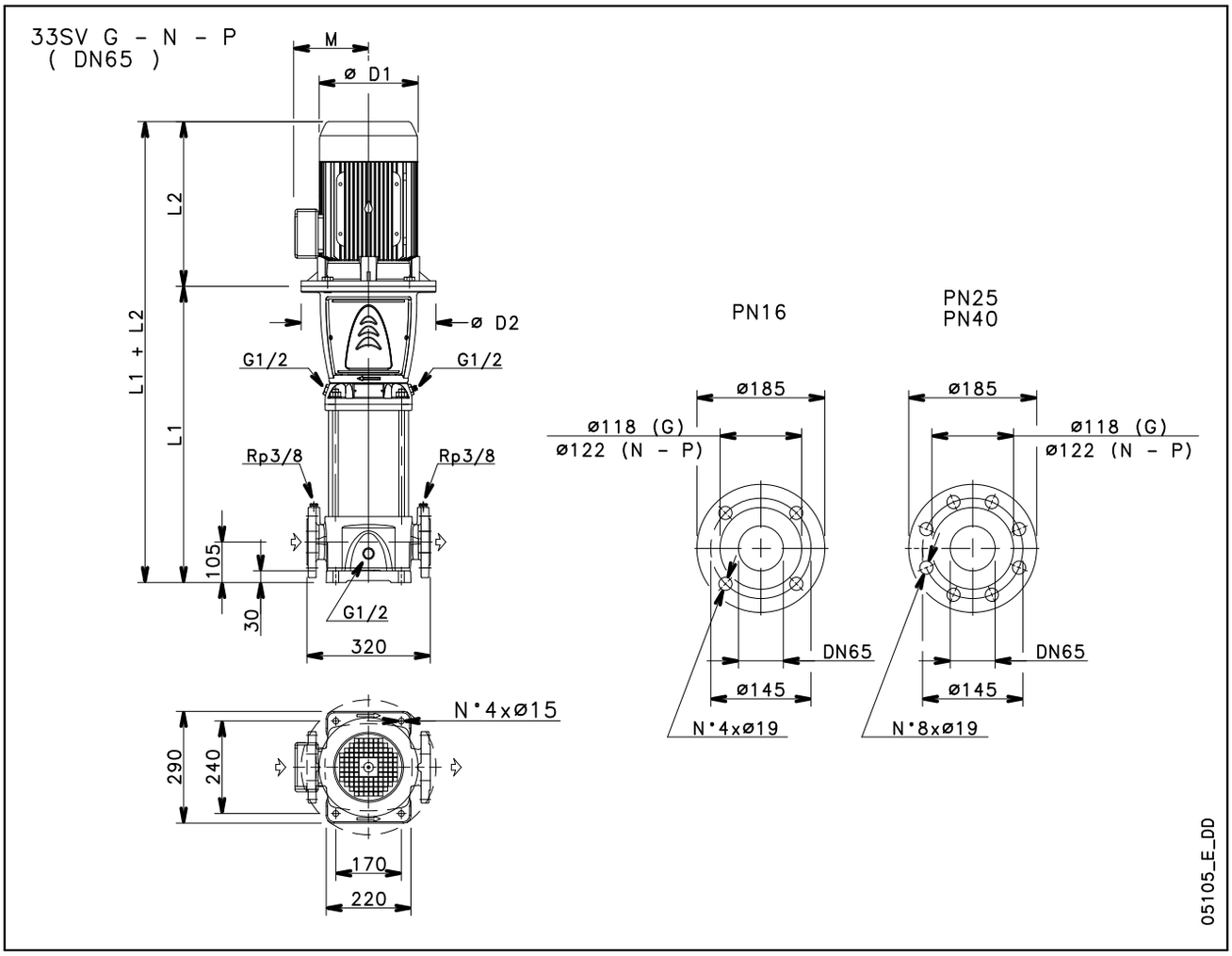
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

22SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



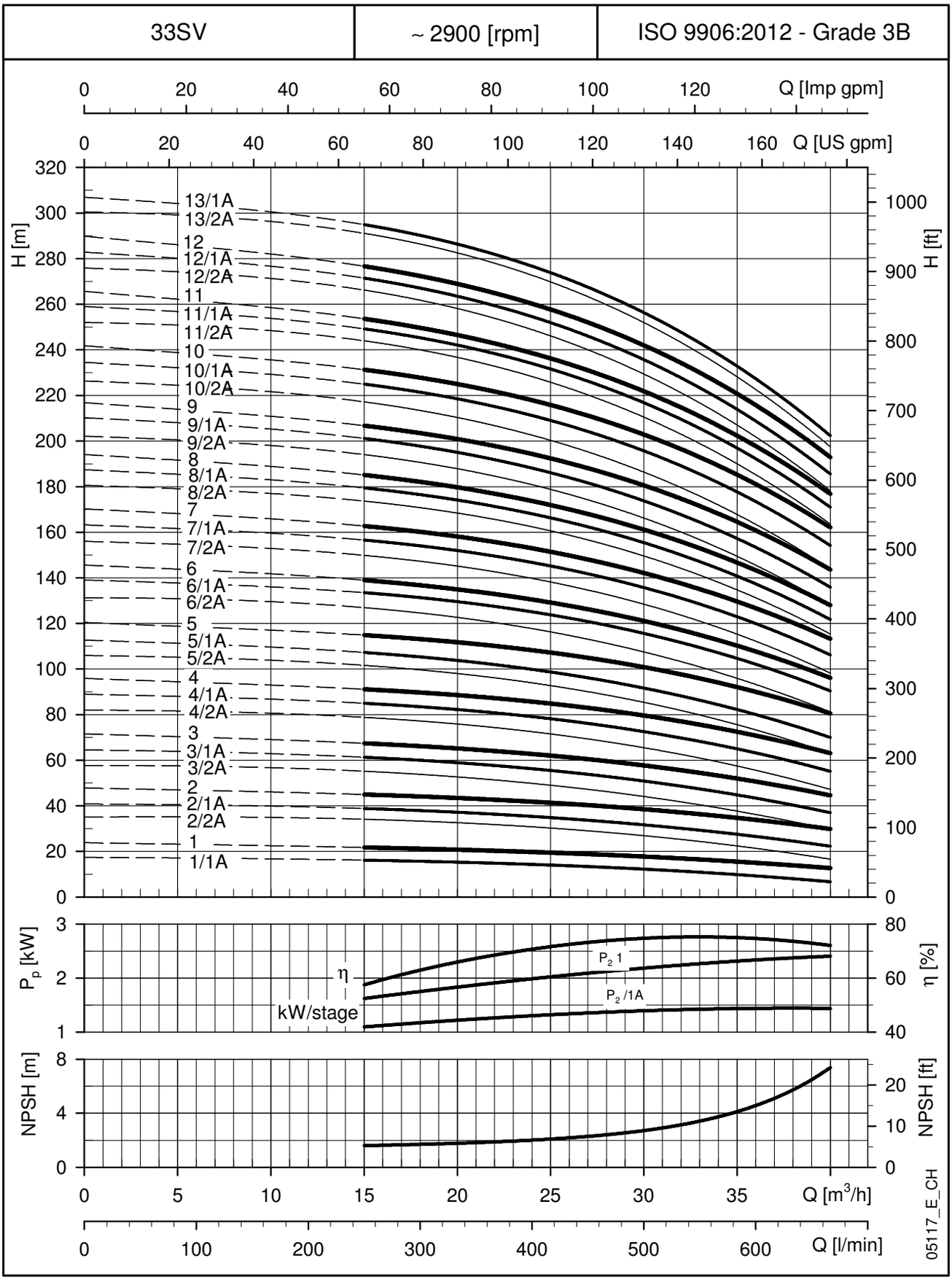
PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
33SV1/1A../D	2,2	90	489	298	174	164	134	16	52	73
33SV1../D	3	100	489	298	174	164	134	16	52	73
33SV2/2A../D	4	112	564	319	197	164	154	16	56	82,5
33SV2/1A../D	4	112	564	319	197	164	154	16	56	82,5
33SV2../D	5,5	132	584	375	214	300	168	16	61	98,5
33SV3/2A../D	5,5	132	659	375	214	300	168	16	65	103
33SV3/1A../E	7,5	132	659	345	264	300	186	16	65	116,7
33SV3../E	7,5	132	659	345	264	300	186	16	65	116,7
33SV4/2A../E	7,5	132	734	345	264	300	186	16	69	120,7
33SV4/1A../D	11	160	769	428	256	350	191	16	73	143
33SV4../D	11	160	769	428	256	350	191	16	73	143
33SV5/2A../D	11	160	844	428	256	350	191	16	77	147
33SV5/1A../D	11	160	844	428	256	350	191	16	77	147
33SV5../E	15	160	844	500	321	350	240	16	77	180
33SV6/2A../E	15	160	919	500	321	350	240	16	81	184
33SV6/1A../E	15	160	919	500	321	350	240	25	81	184
33SV6../E	15	160	919	500	321	350	240	25	81	184
33SV7/2A../E	15	160	994	500	321	350	240	25	84	187
33SV7/1A../E	18,5	160	994	545	322	350	240	25	84	202

PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
33SV7../E	18,5	160	994	545	322	350	240	25	84	202
33SV8/2A../E	18,5	160	1069	545	322	350	240	25	88	206
33SV8/1A../E	18,5	160	1069	545	322	350	240	25	88	206
33SV8../D	22	180	1069	494	313	350	240	25	89	210
33SV9/2A../D	22	180	1144	494	313	350	240	25	93	214
33SV9/1A../D	22	180	1144	494	313	350	240	25	93	214
33SV9../D	22	180	1144	494	313	350	240	25	93	214
33SV10/2A../D	22	180	1219	494	313	350	240	25	97	218
33SV10/1A../E	30	200	1219	671	408	400	285	25	104	312
33SV10../E	30	200	1219	671	408	400	285	25	104	312
33SV11/2A../E	30	200	1294	671	408	400	285	40	118	326
33SV11/1A../E	30	200	1294	671	408	400	285	40	118	326
33SV11../E	30	200	1294	671	408	400	285	40	118	326
33SV12/2A../E	30	200	1369	671	408	400	285	40	122	330
33SV12/1A../E	30	200	1369	671	408	400	285	40	122	330
33SV12../E	30	200	1369	671	408	400	285	40	122	330
33SV13/2A../E	30	200	1444	671	408	400	285	40	127	335
33SV13/1A../E	30	200	1444	671	408	400	285	40	127	335

33sv-2p50-en_g_td

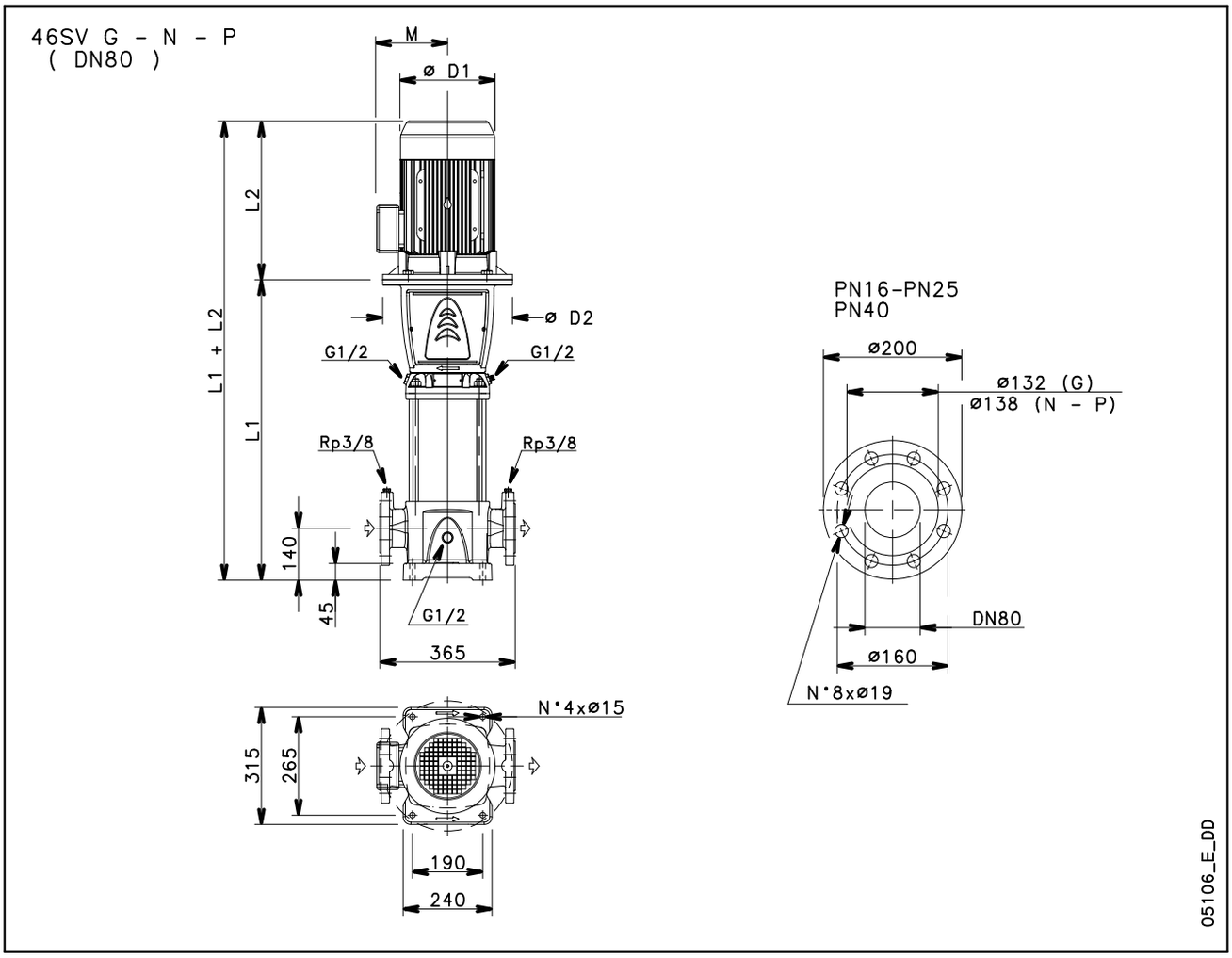
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

33SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



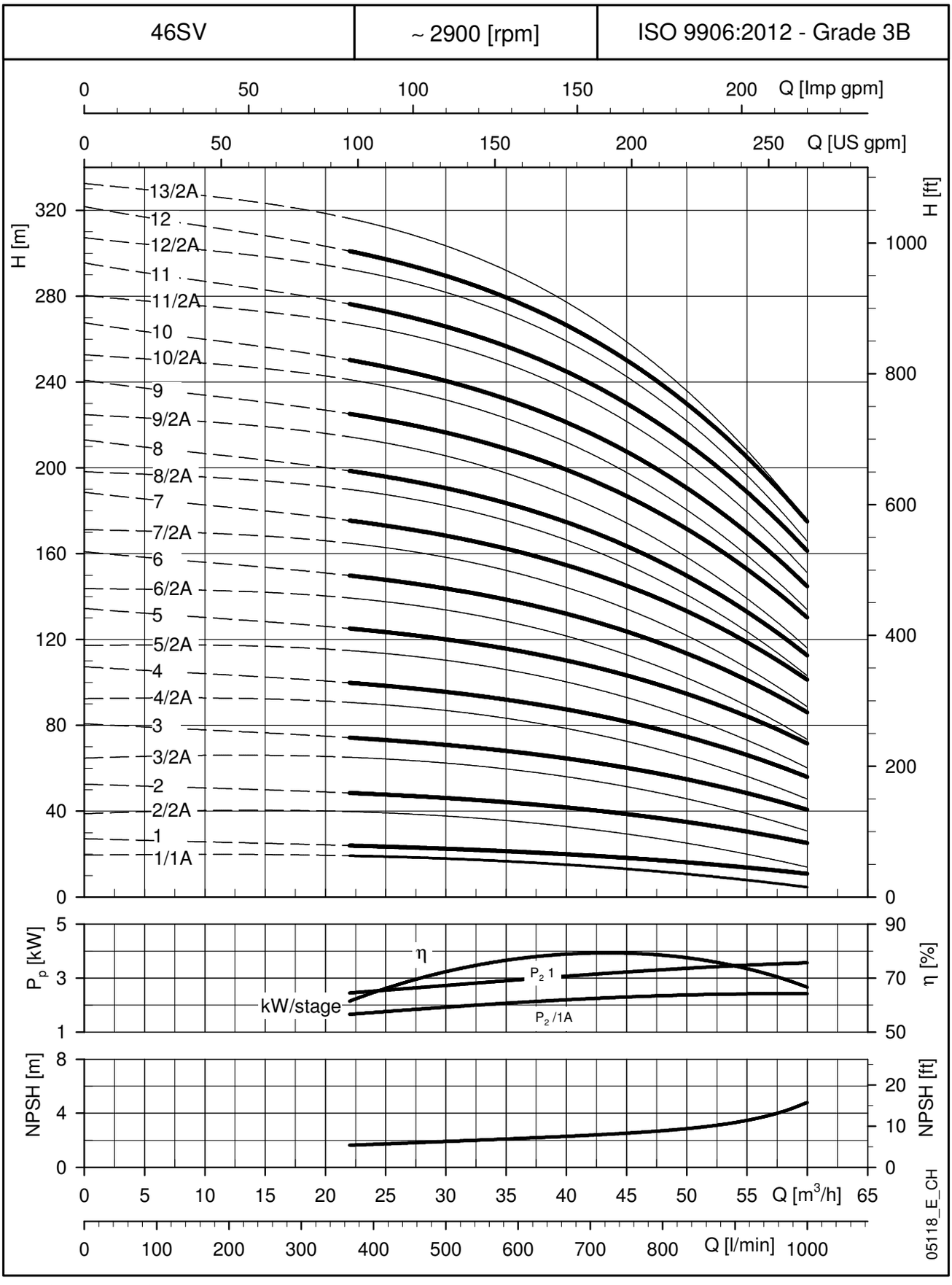
PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
46SV1/1A../D	3	100	529	298	174	164	134	16	58	79
46SV1../D	4	112	529	319	197	164	154	16	58	84,5
46SV2/2A../D	5,5	132	624	375	214	300	168	16	66	104
46SV2../E	7,5	132	624	345	264	300	186	16	66	117,7
46SV3/2A../D	11	160	734	428	256	350	191	16	74	144
46SV3../D	11	160	734	428	256	350	191	16	74	144
46SV4/2A../E	15	160	809	500	321	350	240	16	78	181
46SV4../E	15	160	809	500	321	350	240	16	78	181
46SV5/2A../E	18,5	160	884	545	322	350	240	16	82	200
46SV5../E	18,5	160	884	545	322	350	240	16	82	200
46SV6/2A../D	22	180	959	494	313	350	240	25	87	208
46SV6../D	22	180	959	494	313	350	240	25	87	208
46SV7/2A../E	30	200	1034	671	408	400	285	25	97	305

PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
46SV7../E	30	200	1034	671	408	400	285	25	97	305
46SV8/2A../E	30	200	1109	671	408	400	285	25	101	309
46SV8../E	30	200	1109	671	408	400	285	25	101	309
46SV9/2A../E	30	200	1184	671	408	400	285	25	105	313
46SV9../E	37	200	1184	671	408	400	285	25	105	329
46SV10/2A../E	37	200	1259	671	408	400	285	40	114	338
46SV10../E	37	200	1259	671	408	400	285	40	114	338
46SV11/2A../E	45	225	1334	701	460	450	309	40	126	418
46SV11../E	45	225	1334	701	460	450	309	40	126	418
46SV12/2A../E	45	225	1409	701	460	450	309	40	131	423
46SV12../E	45	225	1409	701	460	450	309	40	131	423
46SV13/2A../E	45	225	1484	701	460	450	309	40	135	427

46sv-2p50-en_g_td

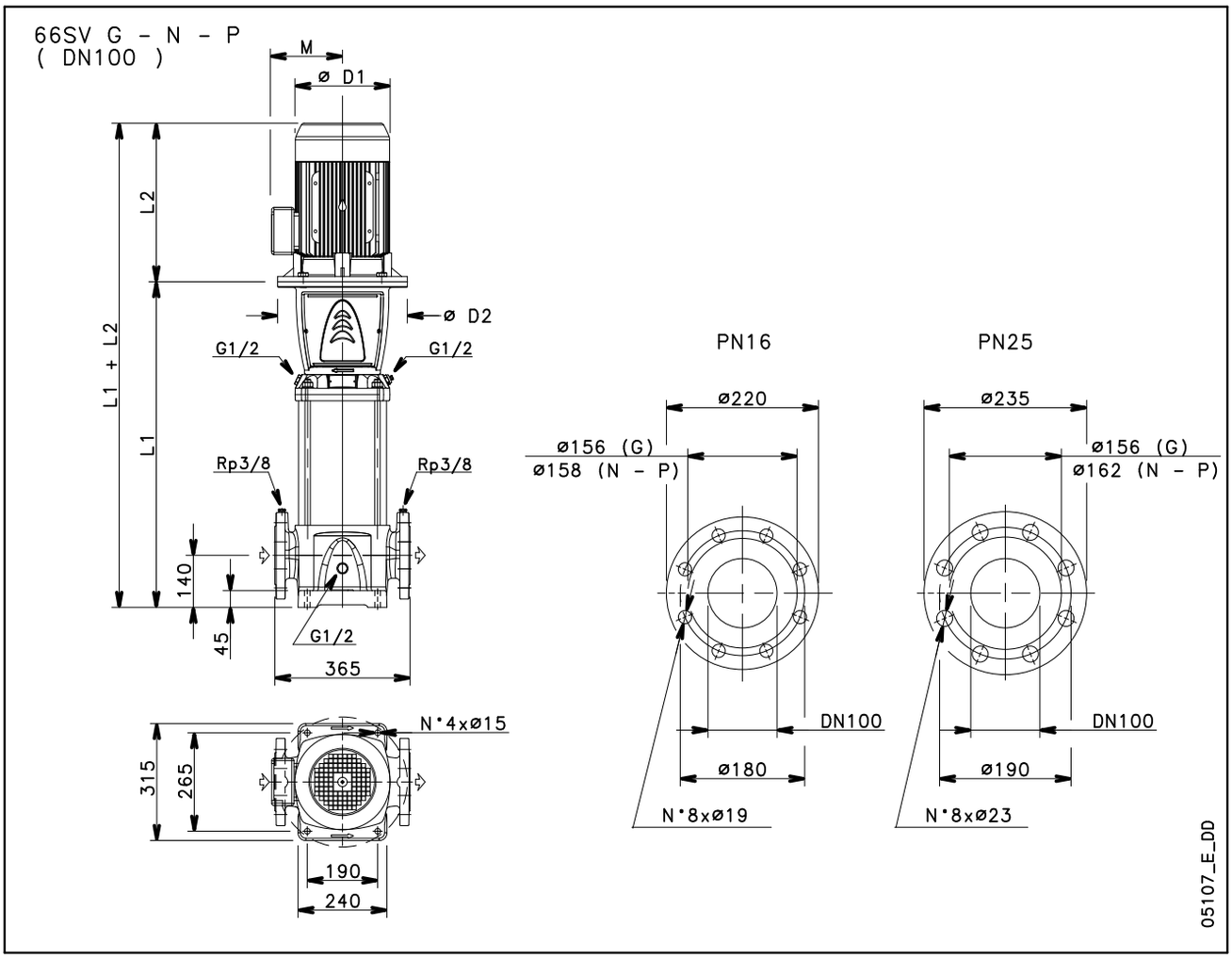
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

46SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

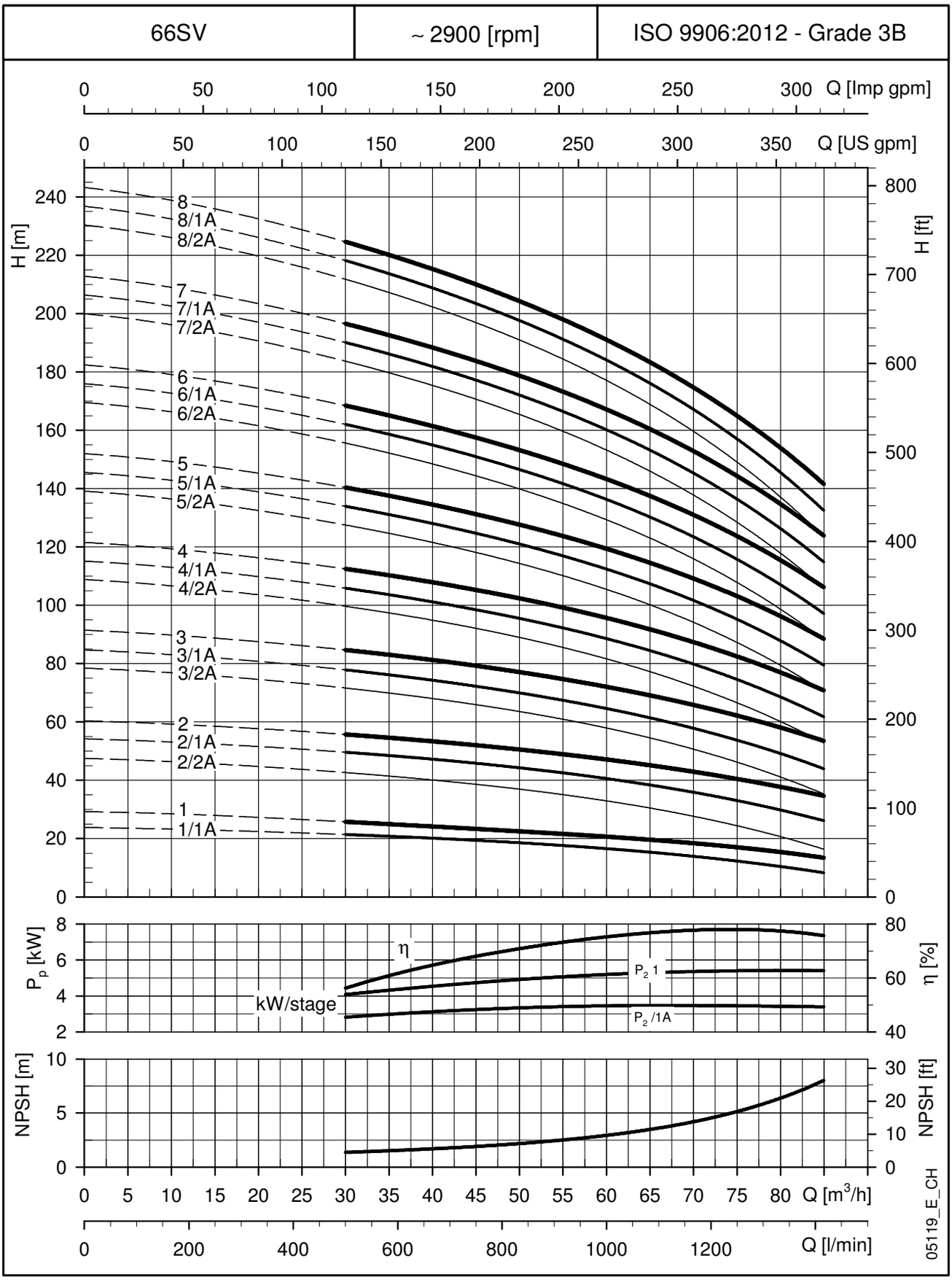


PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
66SV1/1A../D	4	112	554	319	197	164	154	16	66	92,5
66SV1../D	5,5	132	574	375	214	300	168	16	72	110
66SV2/2A../E	7,5	132	664	367	256	300	191	16	77	133
66SV2/1A../D	11	160	699	428	256	350	191	16	81	151
66SV2../D	11	160	699	428	256	350	191	16	81	151
66SV3/2A../E	15	160	789	494	313	350	240	16	86	188
66SV3/1A../E	15	160	789	494	313	350	240	16	86	188
66SV3../E	18,5	160	789	494	313	350	240	16	86	197
66SV4/2A../E	18,5	160	879	494	313	350	240	16	92	203
66SV4/1A../D	22	180	879	494	313	350	240	16	93	214
66SV4../D	22	180	879	494	313	350	240	16	93	214
66SV5/2A../E	30	200	969	671	408	400	285	16	105	313
66SV5/1A../E	30	200	969	671	408	400	285	16	105	313
66SV5../E	30	200	969	671	408	400	285	16	105	313
66SV6/2A../E	30	200	1059	671	408	400	285	25	113	321
66SV6/1A../E	30	200	1059	671	408	400	285	25	113	321
66SV6../E	37	200	1059	671	408	400	285	25	113	337
66SV7/2A../E	37	200	1149	671	408	400	285	25	118	342
66SV7/1A../E	37	200	1149	671	408	400	285	25	118	342
66SV7../E	45	225	1149	701	460	450	309	25	122	414
66SV8/2A../E	45	225	1239	701	460	450	309	25	127	419
66SV8/1A../E	45	225	1239	701	460	450	309	25	127	419
66SV8../E	45	225	1239	701	460	450	309	25	127	419

66sv-2p50-en_e_td

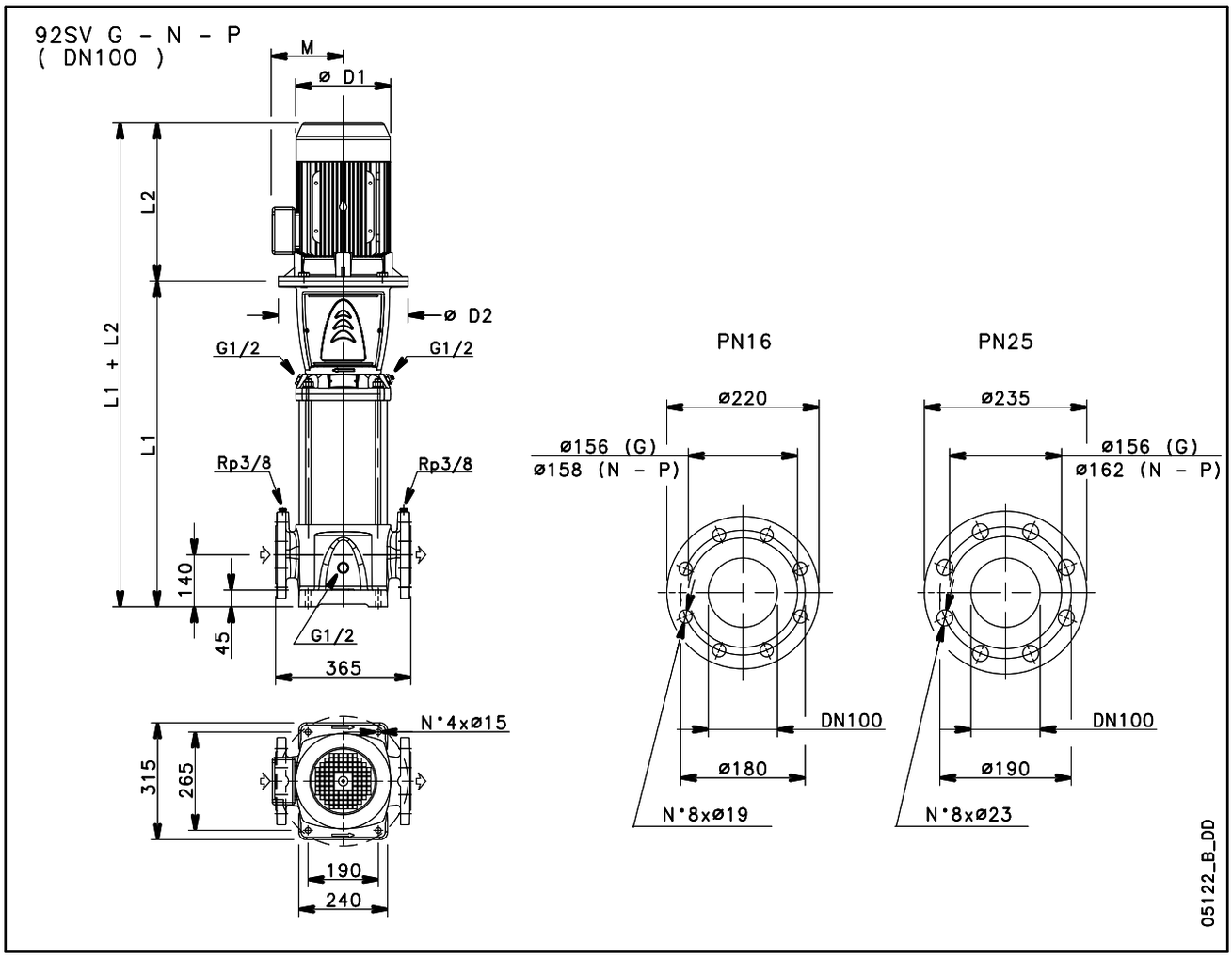
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

66SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

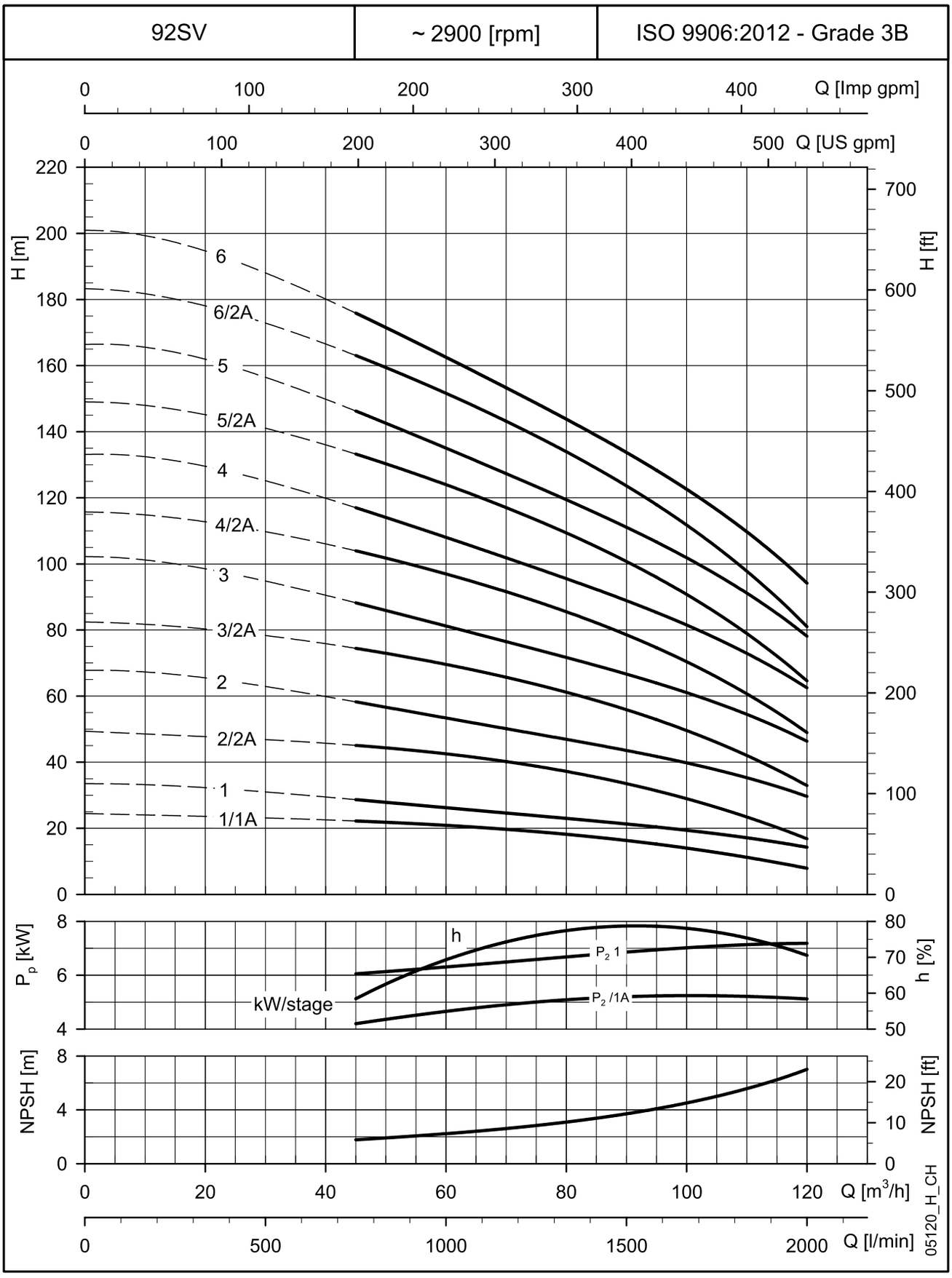


PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
92SV1/1A../D	5,5	132	574	375	214	300	168	16	71	109
92SV1../E	7,5	132	574	345	264	300	186	16	71	122,7
92SV2/2A../D	11	160	699	428	256	350	191	16	80	150
92SV2../E	15	160	699	500	321	350	240	16	80	183
92SV3/2A../E	18,5	160	789	545	322	350	240	16	86	204
92SV3../D	22	180	789	494	313	350	240	16	87	208
92SV4/2A../E	30	200	879	671	408	400	285	16	99	307
92SV4../E	30	200	879	671	408	400	285	16	99	307
92SV5/2A../E	37	200	969	671	408	400	285	25	107	331
92SV5../E	37	200	969	671	408	400	285	25	107	331
92SV6/2A../E	45	225	1059	701	460	450	309	25	116	408
92SV6../E	45	225	1059	701	460	450	309	25	116	408

92sv-2p50-en_e_td

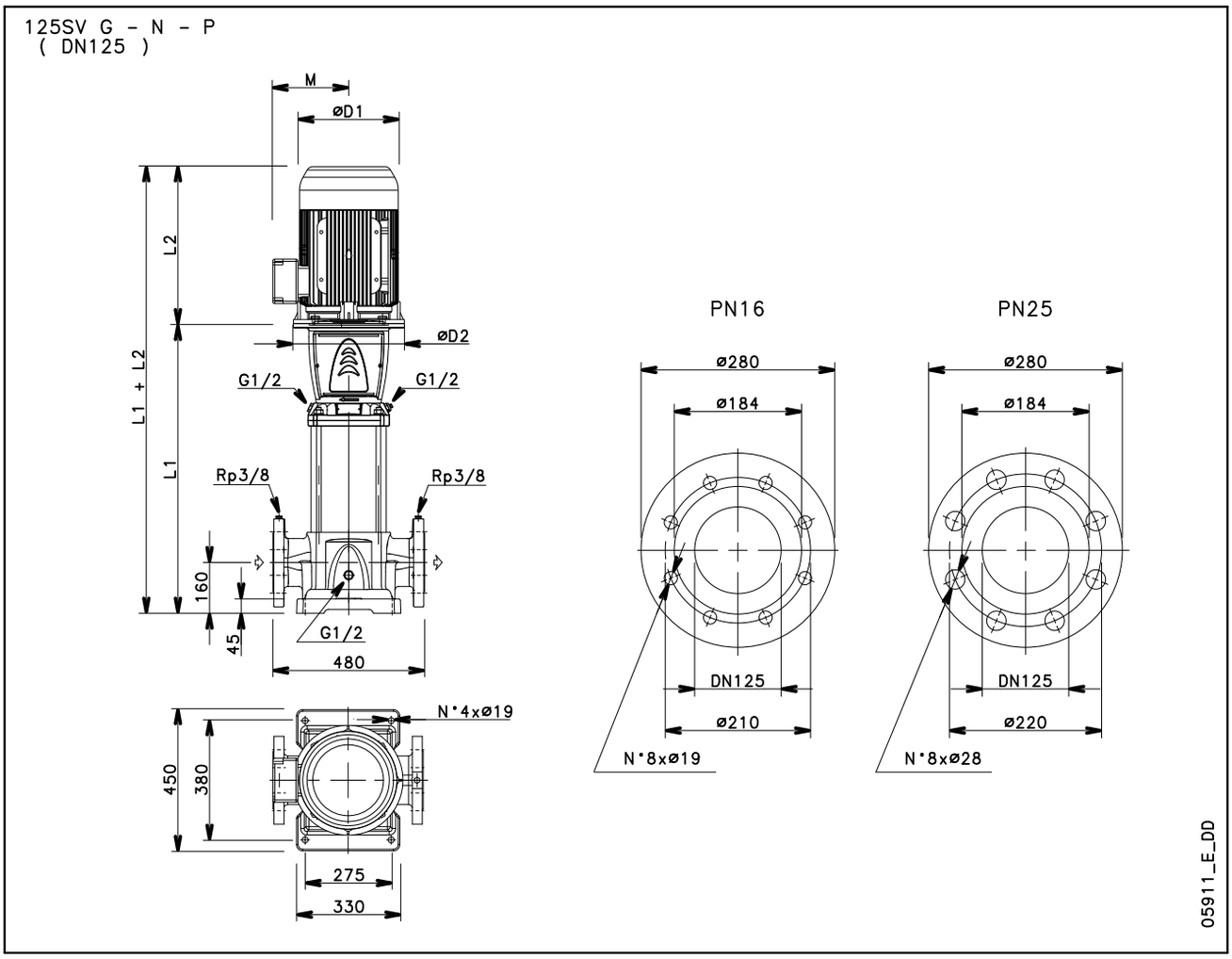
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

92SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

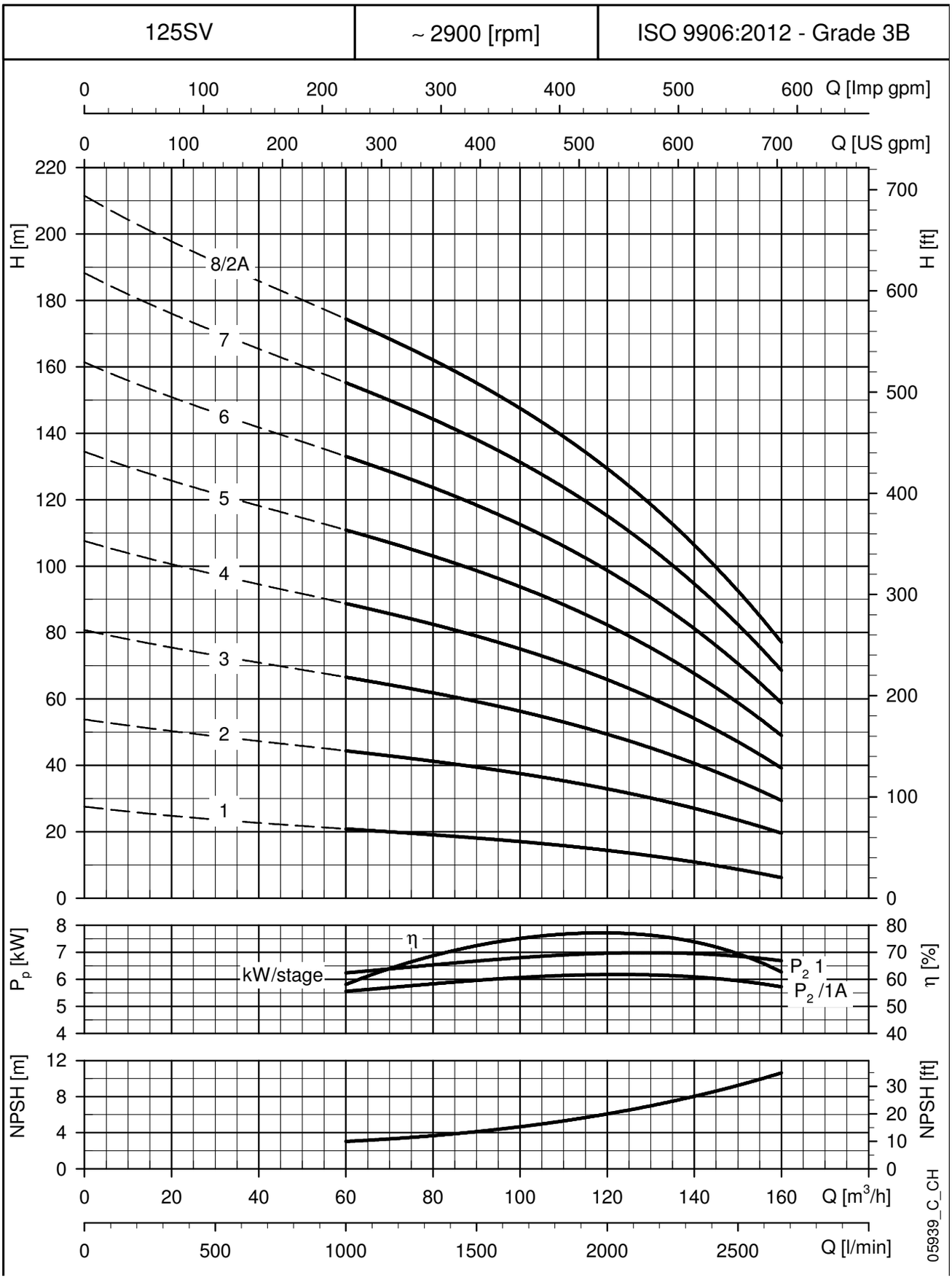


PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	kW	SIZE	L1	L2	D1	D2	M	PN	PUMP	ELECTRIC PUMP
125SV1../E	7,5	132	693	345	264	300	186	16	116	168
125SV2../E	15	160	878	500	321	350	240	16	131	234
125SV3../D	22	180	1028	494	313	350	240	16	143	265
125SV4../E	30	200	1178	671	408	400	285	16	161	369
125SV5../E	37	200	1328	671	408	400	285	16	172	396
125SV6../E	45	225	1478	701	460	450	309	16	187	479
125SV7../E	55	250	1658	767	502	550	362	25	216	658
125SV8/2A../E	55	250	1808	767	502	550	362	25	229	671

125sv-2p50-en_f_td

OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

125SV	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



These performances are valid for liquids with density ρ = 1.0 kg/dm³ and kinematic viscosity ν = 1 mm²/sec.