## Position | Qty. | Description

1 | SL

SLV.80.80.110.2.51D.C



Note! Product picture may differ from actual product

Product No.: 98624700

Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage.

The pump is designed for intermittent and continuous operations in submerged installation. The efficient SuperVortex impeller provides passage of long fibres and solids up to 80 mm and is suitable for wastewater with a dry matter content of up to 5 %.

A unique stainless-steel clamp assembling system enables quick and easy disassembly of the pump from the motor unit for service and inspection. No special tools are required. Pipework connection is via a DIN flange.

## Further product details

Typical application is transfer of liquid, such as:

- large quantities of drainage and surface water
- domestic wastewater with discharge from toilets
- wastewater from commercial buildings without discharge from toilets
- sludge-containing industrial wastewater.

The pump is ideal for pumping of the above liquids from for instance:

- municipal network pumping stations
- public buildings
- blocks of flats
- factories/industry.

The pump is suitable for both temporary and permanent installation either as free-standing on ring stand or on an auto-coupling system.

## **Pump**

The pump housing, motor top and impeller are made of cast iron (EN-GJL-250).

All surfaces of the cast iron parts are protected with cataphoresis coating. The surface of the cast iron pump parts is afterwards painted with environmental friendly powder coating (type NCS 9000N (black), gloss code 30, thickness 100  $\mu m$ ) which ensures high impact and corrosion protection. The final pump is assembled from already painted parts which ensures that no rust or scale can be formed in grooves between parts, etc.

The SuperVortex impeller is a symmetrical multivane winglet impeller. The design ensures a flow entirely outside the impeller providing limited contact between the impeller and the pumped liquid. This ensures that long fibres, rags and more passes freely through the pump without getting caught and without causing clogging or jamming.



The shaft seal consists of two mechanical seals that ensure a reliable sealing between the pumped liquid and motor. The shaft seals are incorporated in a single-unit cartridge shaft seal system that is easy to replace in the field without use of special tools.

The combination of the primary and secondary seals in a cartridge shaft seal system results in a shorter assembly length compared to conventional shaft seals.

- Primary seal: Silicon carbide/silicon carbide (SiC/SiC)
- Secondary seal: Carbon/Ceramics

The shaft seal is bidirectional, meaning it operates correctly in case of backflow through the pump.



The pump is approved according to CE, EN12050-1.

#### Motor

The motor is a watertight, totally encapsulated motor supplied with a 10 m power cable. The stainless steel plug is fastened with a union nut. This nut and the O-rings provide sealing against ingress of the liquid.

The plug is polyurethane-embedded, ensuring a watertight and durable seal around the leads of the cable. This prevents the ingress of water into the motor through the cable in case of cable breakage or adverse handling in connection with installation or service.

A compact motor construction with a short shaft reduces vibrations, resulting in an increased efficiency and lifetime of the shaft seal and ball bearings.

The motor features built-in thermal protection to protect the motor against overheating and ensure the reliability.

The pump is equipped with the following sensor(s):

A digital moisture switch that is fitted in the motor chamber monitors whether water enters the
motor chamber. If moisture is detected in the motor chamber, the switch will trip and send a
warning to the sensor module.

The pump is designed for speed-controlled operation to keep the energy consumption at a minimum. To avoid the risk of sedimentation in the pipes, we recommend that you operate the speed-controlled pump within a speed range of 30 % to 100 % and at a flow rate above 1 m/s.

#### Controls:

Moisture sensor: with moisture sensors Water-in-oil sensor: without water-in-oil sensor

#### Liquid:

Pumped liquid: Water

Maximum liquid temperature: 40 °C

Liquid temp: 20 °C

Density: 998.2 kg/m³

Kinematic viscosity: 1 mm2/s

#### Technical:

Type of impeller: SUPER VORTEX

Maximum particle size: 80 mm Primary shaft seal: SIC/SIC

Secondary shaft seal: CARBON/CERAMICS
Approvals on nameplate: CE, EN12050-1
Curve tolerance: ISO9906:2012 3B

#### Materials:

Pump housing: Cast iron (EN-GJL-250)

EN-GJL-250

Impeller: Cast iron (EN-GJL-250)

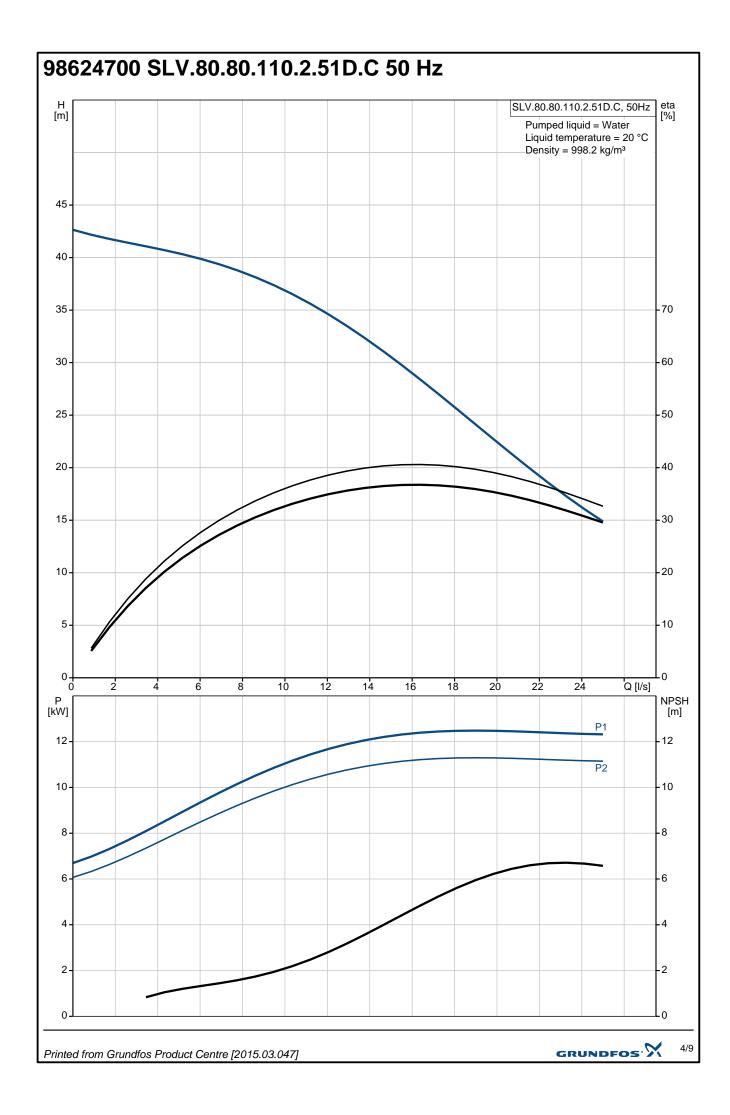
EN-GJL-250

Motor: Cast iron (EN-GJL-250)

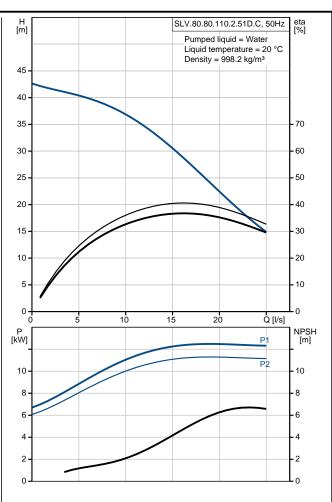
EN-GJL-250

### Installation:

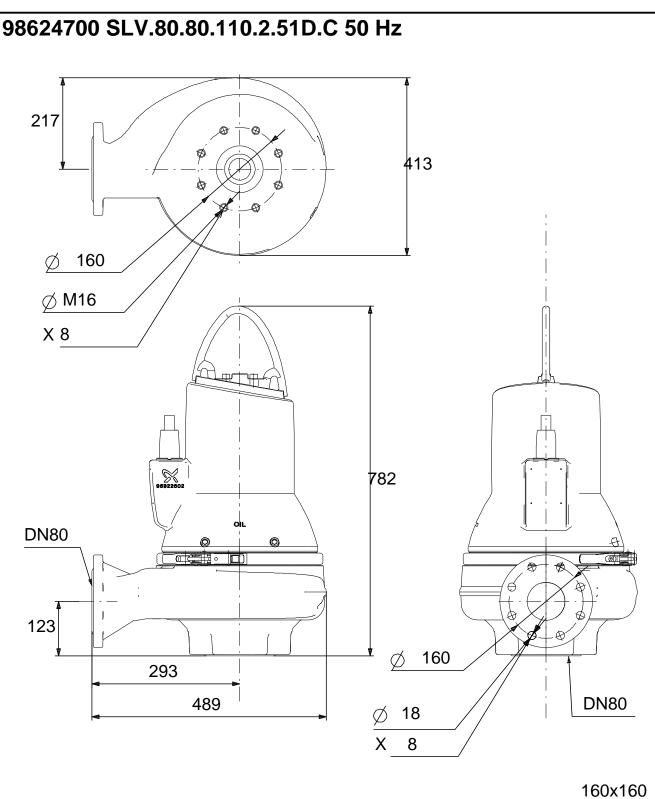
Position	Qty.	Description	
		Maximum ambient temperature:	40 °C
		Flange standard:	DIN
		Pump inlet:	80
		Pump outlet:	80
		Pressure stage:	PN 10
		Maximum installation depth:	20 m
		Frame range:	D
		Electrical data:	
		Number of poles:	2
		Power input - P1:	12.5 kW
		Rated power - P2:	11 kW
		Mains frequency:	50 Hz
		Rated voltage:	3 x 380-415 V
		Voltage tolerance:	+10/-10 %
		Start. method:	star/delta
		Max starts per. hour:	20
		Rated current:	22.2-21.1 A
		Starting current:	160 A
		Cos phi - power factor:	0.84
		Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load:	0.80 0.70
		Rated speed:	2947 rpm
		Motor efficiency at full load:	90.5 %
		meter emerency at run read.	90.5 %
		Motor efficiency at 3/4 load:	90.9 %
		,	90.9 %
		Motor efficiency at 1/2 load:	90.6 %
			90.6 %
		Enclosure class (IEC 34-5)::	IP68
		Insulation class (IEC 85):	Н
		Explosion proof:	no
		Length of cable:	10 m
		Cable type:	LYNIFLEX
		Others:	
		Net weight:	177 kg
l <del></del>			



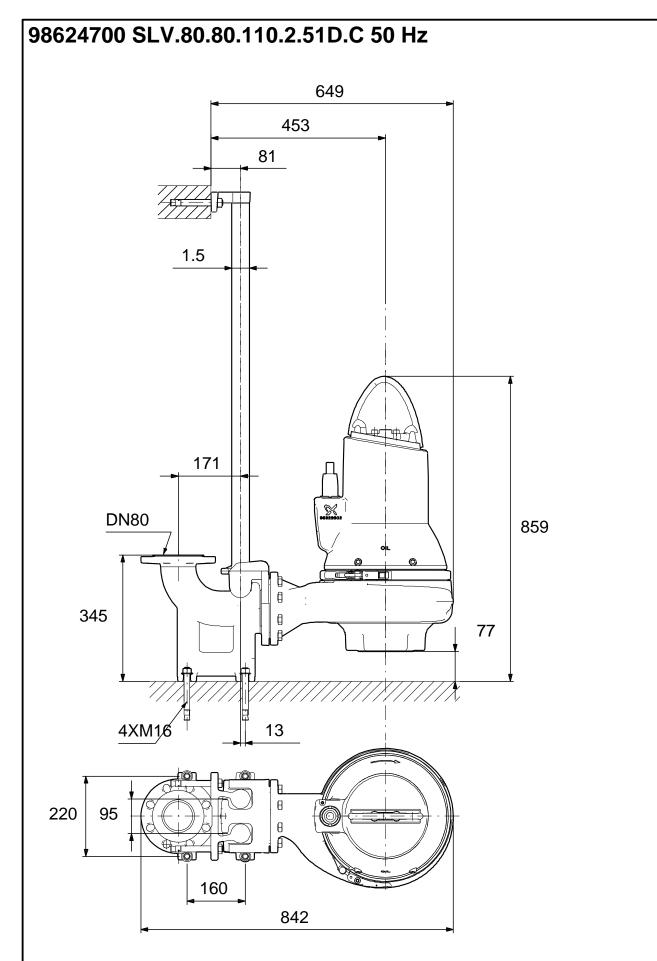
Description		
Product name:	Description	Value
Product name:		
Position	General information:	
Product No:	Product name:	SLV.80.80.110.2.51D.C
EAN number: 5711498435476 Price: On request  Technical:  Max flow: 43.6 m Type of impeller: SUPER VORTEX Maximum particle size: 80 mm Primary shaft seal: SIC/SIC Secondary shaft seal: CARBON/CERAMICS Approvals on nameplate: CE, EN12050-1 Curve tolerance: ISO9906:2012 3B  Materials:  Pump housing: Cast iron (EN-GJL-250) EN-GJL-250 Impeller: Cast iron (EN-GJL-250) EN-GJL-250 Motor: Cast iron (EN-GJL-250) EN-GJL-250  Installation: Maximum ambient temperature: 40 °C Flange standard: DIN Pump inlet: 80 Pump outlet: 80 Pressure stage: PN 10 Maximum installation depth: SUBMERGED Installation: VERTICAL Frame range: D  Liquid: Maximum liquid temperature: 40 °C Kinematic viscosity: 1 mm2/s  Electrical data: Number of poles: 2 Power input - P1: 12.5 kW Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: 10-70 Rated current: 22.2-21.1 A Starting current: 20 Rated current: 22.2-21.1 A Starting current: 160 A Cos phi - p.f. at 3/4 load: 0.80 Cos phi - p.f. at 1/2 load: 90.5 % Motor efficiency at 1/2 load: 90.9 % Motor efficiency at 1/2 load: 10 m Insulation class (IEC 34-5):: IP68 Insulation class (IEC 38-5): IP68 Insulation class (IEC 38-5		
Price:		
Technical:   Max flow:   25  /s		
Max flow:         25 l/s           Head max:         43.6 m           Type of impeller:         SUPER VORTEX           Maximum particle size:         80 mm           Primary shaft seal:         CARBON/CERAMICS           Approvals on nameplate:         CE, EN12050-1           Curve tolerance:         ISO9906:2012 3B           Materials:           Pump housing:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Impeller:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Motor:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Installation:         EN-GJL-250           Installation:         GC           Flange standard:         DIN           Pump intelt:         80           Pump outlet:         80           Poressure stage:         PN 10           Maximum installation depth:         20 m           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         Maximum iniquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s	Price:	On request
Max flow:         25 l/s           Head max:         43.6 m           Type of impeller:         SUPER VORTEX           Maximum particle size:         80 mm           Primary shaft seal:         CARBON/CERAMICS           Approvals on nameplate:         CE, EN12050-1           Curve tolerance:         ISO9906:2012 3B           Materials:           Pump housing:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Impeller:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Motor:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Installation:         EN-GJL-250           Installation:         GC           Flange standard:         DIN           Pump intelt:         80           Pump outlet:         80           Poressure stage:         PN 10           Maximum installation depth:         20 m           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         Maximum iniquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s	Technical:	
Head max:		25 l/s
Type of impeller:		
Maximum particle size:         80 mm           Primary shaft seal:         SIC/SIC           Secondary shaft seal:         CARBON/CERAMICS           Approvals on nameplate:         CE, EN12050-1           Curve tolerance:         ISO9906:2012 3B           Materials:           Pump housing:         Cast iron (EN-GJL-250)           EN-GJL-250         Cast iron (EN-GJL-250)           Impeller:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Motor:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Maximum ambient temperature:         40 °C           Flange standard:         DIN           Pump poutlet:         80           Pump outlet:         80           Pourp outlet:         80           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         Maximum liquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s           Electrical data:         Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW	Type of impeller:	
Secondary shaft seal:		
Approvals on nameplate: Curve tolerance: ISO9906:2012 3B   Materials: Pump housing: Cast iron (EN-GJL-250) EN-GJL-250 Impeller: Cast iron (EN-GJL-250) EN-GJL-250 Motor: Cast iron (EN-GJL-250) EN-GJL-250  Maximum ambient temperature: Flange standard: DIN Pump inlet: B0 Pump outlet: Pressure stage: PN 10 Maximum installation depth: Installation: VERTICAL Frame range: D  Liquid: Maximum liquid temperature: 40 °C Kinematic viscosity: 1 mm2/s  Electrical data: Number of poles: Power input - P1: Rated yoltrage: Voltage tolerance: Start. method: Max starts per. hour: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 3/4 load: Description Motor efficiency at 1/2 load: Installation: Pressure data: Number of poles: 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Primary shaft seal:	SIC/SIC
Materials:   Pump housing:   Cast iron (EN-GJL-250)   EN-GJL-250   E	Secondary shaft seal:	CARBON/CERAMICS
Materials:         Pump housing:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Impeller:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Motor:         Cast iron (EN-GJL-250)           EN-GJL-250         EN-GJL-250           Installation:         Wind of Cast iron (EN-GJL-250)           Installation:         DIN           Pump inter         80           Pump outlet:         80           Bump outlet:         80           Pump outlet:         80           Bump outlet:         80           Bump outlet:         80           Pump outlet:         80           Bump outlet:         80           Bum outlet:         80 </td <td></td> <td></td>		
Pump housing:	Curve tolerance:	ISO9906:2012 3B
Pump housing:	<b></b>	
EN-GJL-250		Cast iron (ENLC II 250)
Impeller:	i dilip libusing.	
EN-GJL-250	Impeller:	
Motor:	,5011011	,
Installation:   Maximum ambient temperature:   40 °C	Motor:	
Maximum ambient temperature: 40 °C Flange standard: DIN Pump inlet: 80 Pump outlet: 80 Pressure stage: PN 10 Maximum installation depth: 20 m Inst dry/wet: SUBMERGED Installation: VERTICAL Frame range: D  Liquid: Maximum liquid temperature: 40 °C Kinematic viscosity: 1 mm2/s  Electrical data: Number of poles: 2 Power input - P1: 12.5 kW Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V  Voltage tolerance: +10/-10 % Start. method: star/delta Max starts per. hour: 20 Rated current: 22.2-2-1.1 A  Starting current: 160 A Cos phi - p.f. at 3/4 load: 0.80 Cos phi - p.f. at 1/2 load: 0.70 Rated speed: 2947 rpm Motor efficiency at 1/2 load: 90.5 % Motor efficiency at 3/4 load: 90.9 % Motor efficiency at 1/2 load: 90.9 % Motor efficiency at 3/4 load: 90.9 % Motor efficiency at 1/2 load: 90.6 % Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m Cable type: LYNIFLEX		,
Maximum ambient temperature: 40 °C Flange standard: DIN Pump inlet: 80 Pump outlet: 90 Pressure stage: PN 10 Maximum installation depth: 20 m Inst dry/wet: SUBMERGED Installation: VERTICAL Frame range: D  Liquid: Maximum liquid temperature: 40 °C Kinematic viscosity: 1 mm2/s  Electrical data: Number of poles: 2 Power input - P1: 12.5 kW Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V  Voltage tolerance: +10/-10 % Start. method: star/delta Max starts per. hour: 20 Rated current: 22.2-2-1.1 A  Starting current: 160 A Cos phi - p.f. at 3/4 load: 0.80 Cos phi - p.f. at 1/2 load: 0.70 Rated speed: 2947 rpm Motor efficiency at 1/2 load: 90.5 % 90.5 % Motor efficiency at 3/4 load: 90.9 % Motor efficiency at 1/2 load: 90.9 % Motor efficiency at 1/2 load: 90.9 % Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m Cable type: LYNIFLEX		
Flange standard:   DIN		
Pump inlet:         80           Pump outlet:         80           Pressure stage:         PN 10           Maximum installation depth:         20 m           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         Maximum liquid temperature:           Maximum liquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s           Electrical data:         Number of poles:           Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         90.5 %	-	
Pump outlet:         80           Pressure stage:         PN 10           Maximum installation depth:         20 m           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         Waximum liquid temperature:           Maximum liquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s           Electrical data:         ***           Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         20           Starting current:         160 A           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at 3/4 load:         90.5 % <td></td> <td></td>		
Pressure stage:         PN 10           Maximum installation depth:         20 m           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         D           Maximum liquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s           Electrical data:         Number of poles:           Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at 3/4 load:         90.5 %           90.5 %         90.9 %           Motor efficiency at 1/2 load:         90.6 %           Enclosure class (IEC 34-5)::	•	
Maximum installation depth:         20 m           Inst dry/wet:         SUBMERGED           Installation:         VERTICAL           Frame range:         D           Liquid:         Maximum liquid temperature:         40 °C           Kinematic viscosity:         1 mm2/s           Electrical data:         Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at full load:         90.5 %           90.5 %         90.9 %           Motor efficiency at 1/2 load:         90.6 %           Enclosure class (IEC 34-5)::         IP68           Insulation class (IEC 85):         H           Explosion proof:         no		
Inst dry/wet:   SUBMERGED     Installation:   VERTICAL     Frame range:   D     Liquid:   Maximum liquid temperature:   40 °C     Kinematic viscosity:   1 mm2/s     Electrical data:     Number of poles:   2     Power input - P1:   12.5 kW     Rated power - P2:   11 kW     Mains frequency:   50 Hz     Rated voltage:   3 x 380-415 V     Voltage tolerance:   +10/-10 %     Start. method:   star/delta     Max starts per. hour:   20     Rated current:   22.2-21.1 A     Starting current:   160 A     Cos phi - p.f. at 3/4 load:   0.80     Cos phi - p.f. at 1/2 load:   0.70     Rated speed:   2947 rpm     Motor efficiency at full load:   90.5 %     90.5 %     Motor efficiency at 3/4 load:   90.9 %     Motor efficiency at 1/2 load:   90.6 %     Enclosure class (IEC 34-5)::   IP68     Insulation class (IEC 85):   H     Explosion proof:   no     Motor protec:   THERMAL SWITCH     Length of cable:   10 m     Cable type:   LYNIFLEX     Controls:   1	· ·	
Installation: VERTICAL   D	-	
Frame range:  D  Liquid:  Maximum liquid temperature: 40 °C  Kinematic viscosity: 1 mm2/s  Electrical data:  Number of poles: 2 Power input - P1: 12.5 kW Rated power - P2: 11 kW  Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V  Voltage tolerance: +10/-10 % Start. method: star/delta  Max starts per. hour: 20 Rated current: 22.2-21.1 A  Starting current: 160 A  Cos phi - power factor: 0.84  Cos phi - p.f. at 3/4 load: 0.80  Cos phi - p.f. at 1/2 load: 0.70  Rated speed: 2947 rpm  Motor efficiency at full load: 90.5 %  Motor efficiency at 3/4 load: 90.9 %  Motor efficiency at 1/2 load: 90.6 %  Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H  Explosion proof: no  Motor protec: THERMAL SWITCH  Length of cable: 10 m  Cable type: LYNIFLEX	*	
Liquid:  Maximum liquid temperature: 40 °C Kinematic viscosity: 1 mm2/s  Electrical data:  Number of poles: 2 Power input - P1: 12.5 kW Rated power - P2: 11 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V  Voltage tolerance: +10/-10 % Start. method: star/delta Max starts per. hour: 20 Rated current: 22.2-21.1 A  Starting current: 160 A Cos phi - power factor: 0.84 Cos phi - p.f. at 3/4 load: 0.80 Cos phi - p.f. at 1/2 load: 0.70 Rated speed: 2947 rpm Motor efficiency at full load: 90.5 % 90.5 % Motor efficiency at 3/4 load: 90.9 % Motor efficiency at 1/2 load: 90.6 % Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m Cable type: LYNIFLEX		
Maximum liquid temperature:       40 °C         Kinematic viscosity:       1 mm2/s         Electrical data:       1 mm2/s         Number of poles:       2         Power input - P1:       12.5 kW         Rated power - P2:       11 kW         Mains frequency:       50 Hz         Rated voltage:       3 x 380-415 V         Voltage tolerance:       +10/-10 %         Start. method:       star/delta         Max starts per. hour:       20         Rated current:       22.2-21.1 A         Starting current:       160 A         Cos phi - power factor:       0.84         Cos phi - p.f. at 3/4 load:       0.80         Cos phi - p.f. at 1/2 load:       0.70         Rated speed:       2947 rpm         Motor efficiency at full load:       90.5 %         Motor efficiency at 3/4 load:       90.9 %         90.9 %       90.9 %         Motor efficiency at 1/2 load:       90.6 %         Enclosure class (IEC 34-5)::       IP68         Insulation class (IEC 85):       H         Explosion proof:       no         Motor protec:       THERMAL SWITCH         Length of cable:       10 m         Cable type:       <	Tramo rango.	
Electrical data:         2           Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - power factor:         0.84           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at full load:         90.5 %           90.5 %         90.5 %           Motor efficiency at 3/4 load:         90.9 %           Motor efficiency at 1/2 load:         90.6 %           Enclosure class (IEC 34-5)::         IP68           Insulation class (IEC 85):         H           Explosion proof:         no           Motor protec:         THERMAL SWITCH           Length of cable:         10 m           Cable type:         LYNIFLEX	Liquid:	
Electrical data:  Number of poles:	Maximum liquid temperature:	40 °C
Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - power factor:         0.84           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at full load:         90.5 %           90.5 %         90.9 %           Motor efficiency at 3/4 load:         90.9 %           Motor efficiency at 1/2 load:         90.6 %           Enclosure class (IEC 34-5)::         IP68           Insulation class (IEC 85):         H           Explosion proof:         no           Motor protec:         THERMAL SWITCH           Length of cable:         10 m           Cable type:         LYNIFLEX	Kinematic viscosity:	1 mm2/s
Number of poles:         2           Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - power factor:         0.84           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at full load:         90.5 %           90.5 %         90.9 %           Motor efficiency at 3/4 load:         90.9 %           Motor efficiency at 1/2 load:         90.6 %           Enclosure class (IEC 34-5)::         IP68           Insulation class (IEC 85):         H           Explosion proof:         no           Motor protec:         THERMAL SWITCH           Length of cable:         10 m           Cable type:         LYNIFLEX		
Power input - P1:         12.5 kW           Rated power - P2:         11 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-415 V           Voltage tolerance:         +10/-10 %           Start. method:         star/delta           Max starts per. hour:         20           Rated current:         22.2-21.1 A           Starting current:         160 A           Cos phi - power factor:         0.84           Cos phi - p.f. at 3/4 load:         0.80           Cos phi - p.f. at 1/2 load:         0.70           Rated speed:         2947 rpm           Motor efficiency at full load:         90.5 %           90.5 %         90.9 %           Motor efficiency at 3/4 load:         90.9 %           Motor efficiency at 1/2 load:         90.6 %           Enclosure class (IEC 34-5)::         IP68           Insulation class (IEC 85):         H           Explosion proof:         no           Motor protec:         THERMAL SWITCH           Length of cable:         10 m           Cable type:         LYNIFLEX		0
Rated power - P2:       11 kW         Mains frequency:       50 Hz         Rated voltage:       3 x 380-415 V         Voltage tolerance:       +10/-10 %         Start. method:       star/delta         Max starts per. hour:       20         Rated current:       22.2-21.1 A         Starting current:       160 A         Cos phi - power factor:       0.84         Cos phi - p.f. at 3/4 load:       0.80         Cos phi - p.f. at 1/2 load:       0.70         Rated speed:       2947 rpm         Motor efficiency at full load:       90.5 %         90.5 %       90.5 %         Motor efficiency at 3/4 load:       90.9 %         Motor efficiency at 1/2 load:       90.6 %         Enclosure class (IEC 34-5)::       IP68         Insulation class (IEC 85):       H         Explosion proof:       no         Motor protec:       THERMAL SWITCH         Length of cable:       10 m         Cable type:       LYNIFLEX	•	
Mains frequency:       50 Hz         Rated voltage:       3 x 380-415 V         Voltage tolerance:       +10/-10 %         Start. method:       star/delta         Max starts per. hour:       20         Rated current:       22.2-21.1 A         Starting current:       160 A         Cos phi - power factor:       0.84         Cos phi - p.f. at 3/4 load:       0.80         Cos phi - p.f. at 1/2 load:       0.70         Rated speed:       2947 rpm         Motor efficiency at full load:       90.5 %         90.5 %       90.9 %         Motor efficiency at 3/4 load:       90.9 %         Motor efficiency at 1/2 load:       90.6 %         Enclosure class (IEC 34-5)::       IP68         Insulation class (IEC 85):       H         Explosion proof:       no         Motor protec:       THERMAL SWITCH         Length of cable:       10 m         Cable type:       LYNIFLEX		
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Cos phi - p.f. at 3/4 load:       0.80         Cos phi - p.f. at 1/2 load:       0.70         Rated speed:       2947 rpm         Motor efficiency at full load:       90.5 %         Motor efficiency at 3/4 load:       90.9 %         Motor efficiency at 1/2 load:       90.6 %         Enclosure class (IEC 34-5)::       IP68         Insulation class (IEC 85):       H         Explosion proof:       no         Motor protec:       THERMAL SWITCH         Length of cable:       10 m         Cable type:       LYNIFLEX	Starting current:	160 A
Cos phi - p.f. at 1/2 load:       0.70         Rated speed:       2947 rpm         Motor efficiency at full load:       90.5 %         90.5 %       90.9 %         Motor efficiency at 3/4 load:       90.9 %         Motor efficiency at 1/2 load:       90.6 %         Enclosure class (IEC 34-5)::       IP68         Insulation class (IEC 85):       H         Explosion proof:       no         Motor protec:       THERMAL SWITCH         Length of cable:       10 m         Cable type:       LYNIFLEX		0.84
Rated speed:       2947 rpm         Motor efficiency at full load:       90.5 %         90.5 %       90.9 %         Motor efficiency at 3/4 load:       90.9 %         Motor efficiency at 1/2 load:       90.6 %         Enclosure class (IEC 34-5)::       IP68         Insulation class (IEC 85):       H         Explosion proof:       no         Motor protec:       THERMAL SWITCH         Length of cable:       10 m         Cable type:       LYNIFLEX		
Motor efficiency at full load: 90.5 % 90.5 % Motor efficiency at 3/4 load: 90.9 % 90.9 % Motor efficiency at 1/2 load: 90.6 % Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H Explosion proof: Motor protec: Length of cable: Cable type: LYNIFLEX  90.5 % 90.6 % 10		
90.5 %  Motor efficiency at 3/4 load: 90.9 % 90.9 %  Motor efficiency at 1/2 load: 90.6 % Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: Cable type: LYNIFLEX  Controls:		
Motor efficiency at 3/4 load: 90.9 % 90.9 %  Motor efficiency at 1/2 load: 90.6 %  Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H  Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m  Cable type: LYNIFLEX  Controls:	Motor efficiency at full load:	
90.9 %  Motor efficiency at 1/2 load: 90.6 % 90.6 %  Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H  Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m  Cable type: LYNIFLEX  Controls:	Motor officional at 2/4 land	
Motor efficiency at 1/2 load: 90.6 % 90.6 % Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m Cable type: LYNIFLEX  Controls:	iviolor emciency at 5/4 l0ad:	
90.6 %  Enclosure class (IEC 34-5):: IP68  Insulation class (IEC 85): H  Explosion proof: no  Motor protec: THERMAL SWITCH  Length of cable: 10 m  Cable type: LYNIFLEX  Controls:	Motor efficiency at 1/2 load:	
Enclosure class (IEC 34-5):: IP68 Insulation class (IEC 85): H  Explosion proof: no  Motor protec: THERMAL SWITCH  Length of cable: 10 m  Cable type: LYNIFLEX  Controls:	tor omoronoy at 1/2 load.	
Insulation class (IEC 85): H Explosion proof: no Motor protec: THERMAL SWITCH Length of cable: 10 m Cable type: LYNIFLEX  Controls:	Enclosure class (IEC 34-5)::	
Explosion proof:  Motor protec: Length of cable: Cable type:  Controls:  no THERMAL SWITCH 10 m LYNIFLEX		
Motor protec: THERMAL SWITCH Length of cable: 10 m Cable type: LYNIFLEX  Controls:		
Cable type: LYNIFLEX  Controls:		
Controls:		10 m
	Cable type:	LYNIFLEX
	l	
Additional I/O: N		NI .
	Additional I/O:	IN



Description	Value
Moisture sensor:	with moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
Others:	
Net weight:	177 kg

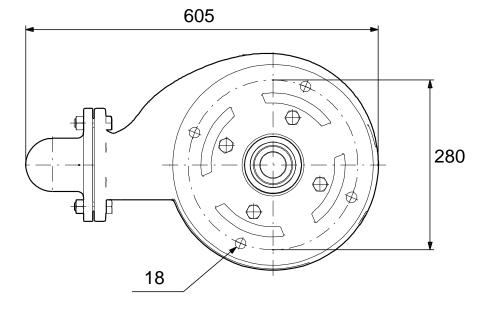


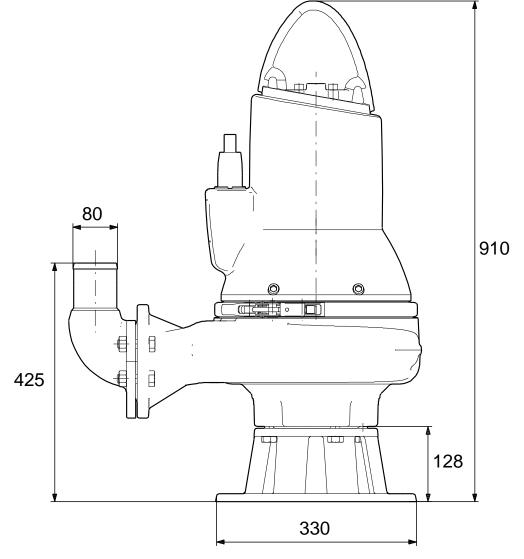
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

# 98624700 SLV.80.80.110.2.51D.C 50 Hz





Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.