

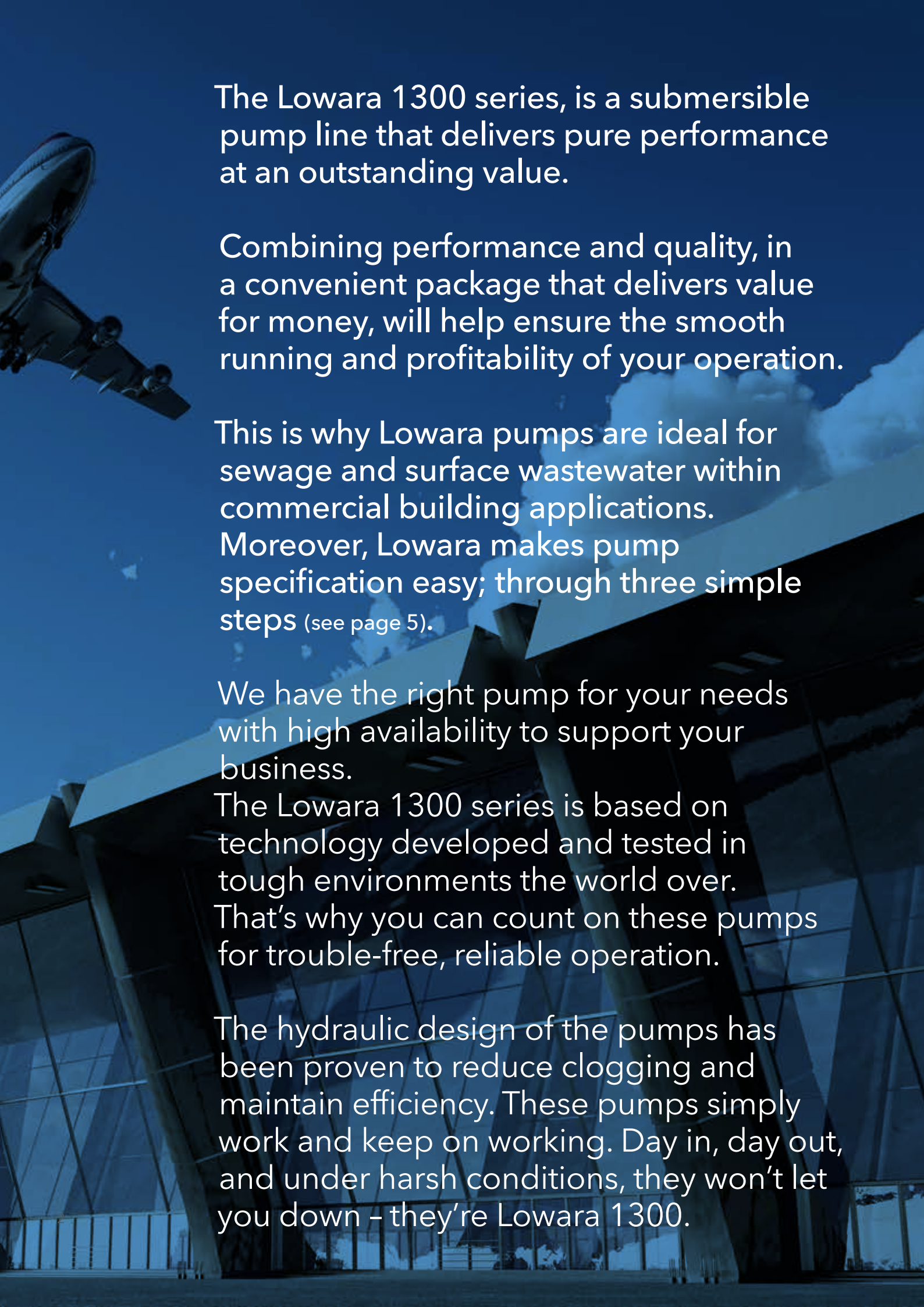


# Pure performance

LOWARA® 1300 SERIES SUBMERSIBLE PUMP RANGE:

|                  |                       |
|------------------|-----------------------|
| CAPACITIES UP TO | 414 m <sup>3</sup> /h |
| HEAD UP TO       | 63 m                  |
| POWER UP TO      | 18 kW                 |

 **LOWARA**  
a xylem brand



The Lowara 1300 series, is a submersible pump line that delivers pure performance at an outstanding value.

Combining performance and quality, in a convenient package that delivers value for money, will help ensure the smooth running and profitability of your operation.

This is why Lowara pumps are ideal for sewage and surface wastewater within commercial building applications. Moreover, Lowara makes pump specification easy; through three simple steps (see page 5).

We have the right pump for your needs with high availability to support your business.

The Lowara 1300 series is based on technology developed and tested in tough environments the world over. That's why you can count on these pumps for trouble-free, reliable operation.

The hydraulic design of the pumps has been proven to reduce clogging and maintain efficiency. These pumps simply work and keep on working. Day in, day out, and under harsh conditions, they won't let you down – they're Lowara 1300.

# Lowara® 1300:

## Available

## Value for money

## Reliable

With a variety of combinations of non-clog and vortex impellers to choose from, it's easy to find a pump for your needs. The impeller design gives you efficiency and solids handling capability. This helps to ensure smooth operation and delivers savings in terms of maintenance costs and energy consumption. All pumps in the series feature a motor designed for reliable operation in submersible applications. The motors have F-class insulation or better, which allows for continuous running without overheating, ensuring optimal cooling and a long life. Additionally, the pumps can handle 15 starts per hour without any problem. Typically these pumps are installed in permanent installations. However, some models have the option of a free-standing installation so that the pump can be easily moved from one site to another. See methods of installation (page 5) for further reference.

### Application areas.

- Domestic sewage pumping stations
- Wastewater pumping stations
- Stormwater pumping stations
- Drainage water
- Groundwater

### Tough to beat-

#### Robust

All components are made from robust materials for easy maintenance and long life.

#### Powerful

The motor is specifically designed for reliable operation in submersible applications and it can run continuously without overheating.

#### Durable

Heavy-duty bearings with long life provide peace of mind.

#### Environmentally friendly

The cooling system is designed to use its surroundings to cool the pump; no use of environmentally hazardous fluids such as oils.

#### Safe and straightforward

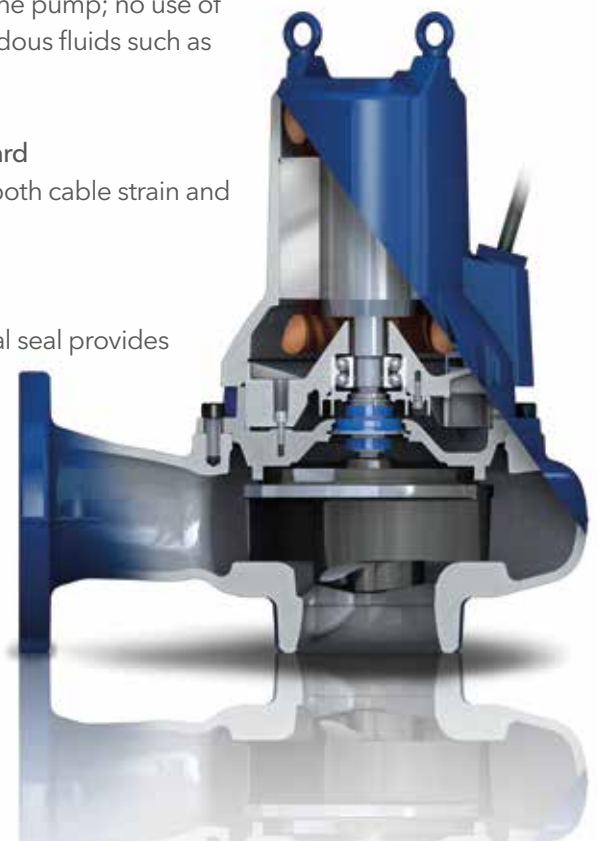
Cable entry prevents both cable strain and leakage.

#### Smooth

The double mechanical seal provides extra reliability and protects against leakage.

#### Flexibility

Drilled pump housing, ready for any installation method.



# The complete range- The right pump for your needs-



## **Lowara 1305 Non-clog**

Maximum flow 14 l/s  
Maximum pressure 17 m  
Motor Rating 0.75 - 1.2 kW  
Outlet 50 mm  
Weight 30 kg



## **Lowara 1305 Vortex**

Maximum flow 10 l/s  
Maximum pressure 11 m  
Motor Rating 0.75 - 1.2 kW  
Outlet 50 mm  
Weight 30 kg



## **Lowara 1310 Non-clog**

Maximum flow 18 l/s  
Maximum pressure 25 m  
Motor Rating 1.4 - 2.4 kW  
Outlet 50 - 80 mm  
Weight 46 kg



## **Lowara 1310 Vortex**

Maximum flow 16 l/s  
Maximum pressure 16 m  
Motor Rating 1.2 - 2.4 kW  
Outlet 50 - 80 mm  
Weight 46 kg



## **Lowara 1315 Non-clog**

Maximum flow 54 l/s  
Maximum pressure 30 m  
Motor Rating 1.8 - 4.4 kW  
Outlet 80 - 100 mm  
Weight 95 kg



## **Lowara 1315 Vortex**

Maximum flow 44 l/s  
Maximum pressure 15 m  
Motor Rating 2.2 - 4.4 kW  
Outlet 65 - 100 mm  
Weight 95 kg



## **Lowara 1320 Non-clog**

Maximum flow 74 l/s  
Maximum pressure 41 m  
Motor Rating 3.5 - 7.5 kW  
Outlet 80 - 100 mm  
Weight 130 - 156 kg



## **Lowara 1320 Vortex**

Maximum flow 54 l/s  
Maximum pressure 29 m  
Motor Rating 3.5 - 7.5 kW  
Outlet 80 - 100 mm  
Weight 140 - 156 kg



## **Lowara 1325 Non-clog**

Maximum flow 115 l/s  
Maximum pressure 63 m  
Motor Rating 9 - 18 kW  
Outlet 80 - 150 mm  
Weight 170 - 190 kg

*\* All Pumps supplied with 10 mtrs cable, 20 mtrs can be supplied if required*

# Installation methods and accessory kits.

The Lowara 1300 series is designed to fit your needs. You start with a bare pump and order the right kit depending on your desired installation method.

## Wet-well kit

The pump is installed with twin guide bars on a discharge connection.

Kit contents:

- Discharge connection
- Anchor bolts
- Guide claw with bolts
- Upper guide bar bracket with bolts

## Replacement kit

Simple kit to replace an old pump or upgrade to a larger model

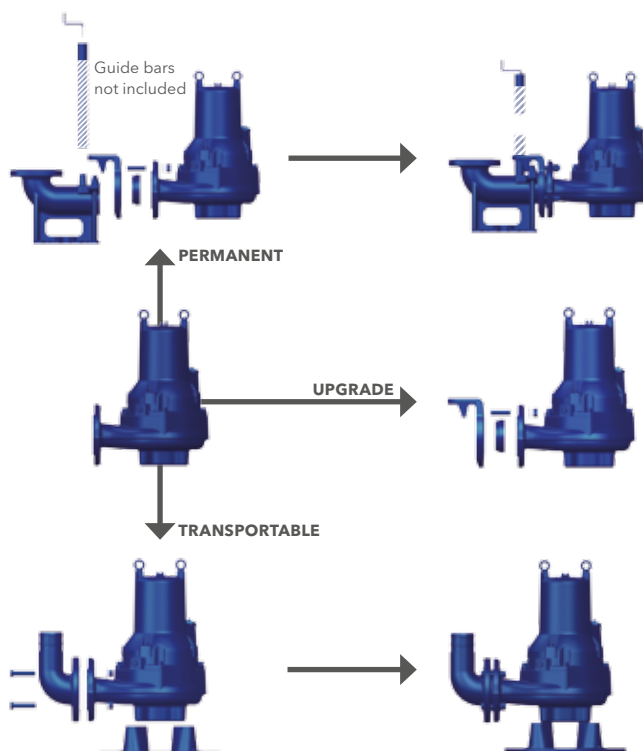
Kit contents:

- Guide claw with bolts

## Free-standing kit Ideal for portability

Kit contents:

- Hose connection with bolts
- Stand with bolts



## Selecting & ordering.

### Configure your product order and generate order number

We've made it easy for you to select and configure your pump with appropriate accessories; it can be done in just three simple steps and you build your order number as you go.

**1.** Select the pump model ideal for your needs from the product pages that follow.

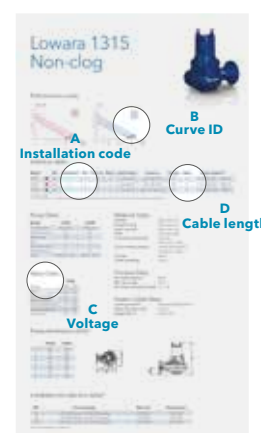
**2.** For every model and choice of outlet dimension there is a partially filled order number. Configure your pump from the relevant selection tables and you will automatically get the information to build and complete your order number as you go!

**3.** Select your accessory kit from the relevant accessory selection tables, i.e. installation kit. Please make sure that your configuration corresponds to the right order number and accessory kits and if so you are ready to order.

Model    Model variant    Outlet dimension (nominal, mm)    Pole    Frequency (5=50, 6=60) Phase

1315S-80X.253. ....-....-/

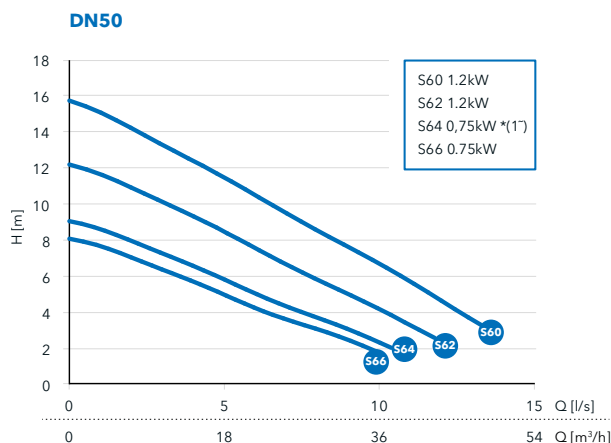
Selected model    A    B    C    D



# Lowara® 1305 Non-clog



Performance curves.



Selection table.

| Model | DN | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no           | Voltage  | Cable   | Order number**           |
|-------|----|---------------|------|-----------|-------|-------------|--------------------|----------|---------|--------------------------|
| 1305S | 50 | W, T          | 2    | 50        | 1,3   | [see chart] | S60, S62, S64, S66 | 230, 400 | 10 mtrs | 1305S-50-.25-....-.../10 |

\* W=Wet well only. T=Free-standing threaded outlet only.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

Pump Data.

| Model            | 1305S         |
|------------------|---------------|
| Impeller Type    | Non-clog      |
| Outlet size (mm) | 50            |
| Weight (kg)      | 30            |
| Pole             | 2             |
| Insulation Class | F             |
| Starts per hour  | 15            |
| Cable            | 4G1.5 + 2x1.5 |

Material Data.

|                       |                                 |
|-----------------------|---------------------------------|
| Impeller              | grey cast iron                  |
| Pump housing          | grey cast iron                  |
| Stator housing        | grey cast iron                  |
| Shaft                 | stainless steel                 |
| Inner mechanical seal | carbon/aluminum oxide           |
| Outer mechanical seal | cemented carbide/aluminum oxide |
| O-rings               | nitrile                         |
| Cable sheathing       | nitrile                         |

Motor Data.

|                        | 1305S |      |      |
|------------------------|-------|------|------|
| Voltage                | 400   | 400  | 230  |
| Phase                  | 3     | 3    | 1    |
| Rated Power (kW)       | 1.2   | 0.75 | 0.75 |
| Rated current (A)      | 2.7   | 2.1  | 4.1  |
| Full Load Power Factor | 0.79  | 0.63 | 1.0  |
| Starting current (A)   | 17    | 17   | 19   |
| Connection             | Y     | Y    | -    |

Process Data.

|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

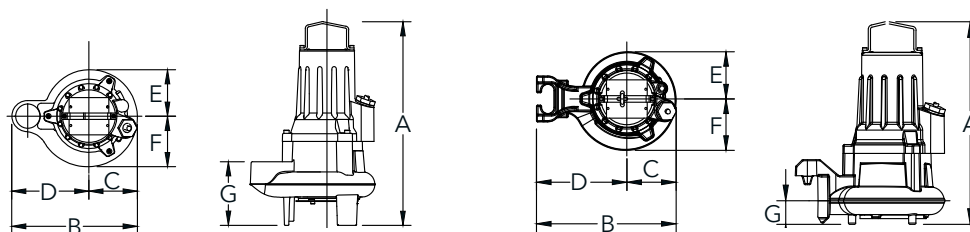
Power Cable Data.

|                     |               |
|---------------------|---------------|
| Cable type (mm²)    | 4G1.5 + 2x1.5 |
| Outer Diameter (mm) | 16            |
| Weight (kg/m)       | 0.32          |

## Pump dimensions (mm)

|   | Free-standing<br>1305S |
|---|------------------------|
| A | 418                    |
| B | 298                    |
| C | 116                    |
| D | 182                    |
| E | 97                     |
| F | 119                    |
| G | 121                    |

|   | Wet well<br>1305S |
|---|-------------------|
| A | 397               |
| B | 272               |
| C | 116               |
| D | 156               |
| E | 97                |
| F | 120               |
| G | 44                |



## Installation kit selection table\*

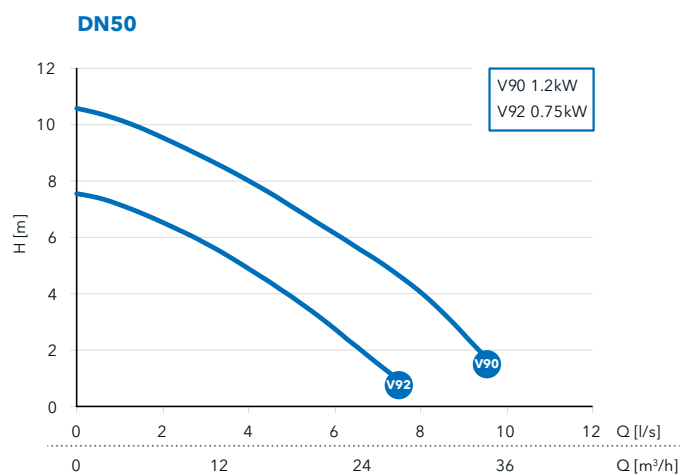
| DN | Free-standing | Wet well | Replacement |
|----|---------------|----------|-------------|
| 50 | included      | 1305-50W | included    |

\* For more information, see page 5

# Lowara® 1305 Vortex



## Performance curves.



## Selection table.

| Model | DN | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no | Voltage  | Cable   | Order number**       |
|-------|----|---------------|------|-----------|-------|-------------|----------|----------|---------|----------------------|
| 1305H | 50 | W, T          | 2    | 50        | 1,3   | [see chart] | V90, V92 | 230, 400 | 10 mtrs | 1305H-50-.25-....-10 |

\* W=Wet well only. T=Free-standing threaded outlet only.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

## Pump Data.

| Model            | 1305H         |
|------------------|---------------|
| Impeller Type    | Vortex        |
| Outlet size (mm) | 50            |
| Weight (kg)      | 30            |
| Pole             | 2             |
| Insulation Class | F             |
| Starts per hour  | 15            |
| Cable            | 4G1.5 + 2x1.5 |

## Material Data.

|                       |                                 |
|-----------------------|---------------------------------|
| Impeller              | grey cast iron                  |
| Pump housing          | grey cast iron                  |
| Stator housing        | grey cast iron                  |
| Shaft                 | stainless steel                 |
| Inner mechanical seal | carbon/aluminum oxide           |
| Outer mechanical seal | cemented carbide/aluminum oxide |
| O-rings               | nitrile                         |
| Cable sheathing       | nitrile                         |

## Motor Data.

|                        | 1305H |      |      |
|------------------------|-------|------|------|
| Voltage                | 400   | 400  | 230  |
| Phase                  | 3     | 3    | 1    |
| Rated Power (kW)       | 1.2   | 0.75 | 0.75 |
| Rated current (A)      | 2.7   | 2.1  | 4.1  |
| Full Load Power Factor | 0.79  | 0.63 | 1.0  |
| Starting current (A)   | 17    | 17   | 19   |
| Connection             | Y     | Y    | -    |

## Process Data.

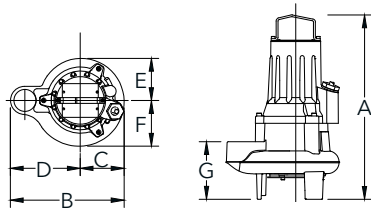
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

## Power Cable Data.

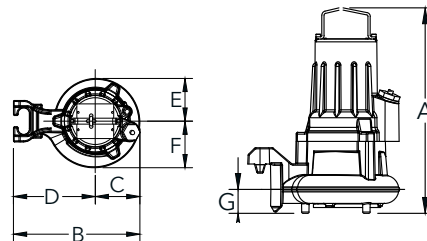
|                               |               |
|-------------------------------|---------------|
| Cable type (mm <sup>2</sup> ) | 4G1.5 + 2x1.5 |
| Outer Diameter (mm)           | 16            |
| Weight (kg/m)                 | 0.32          |

## Pump dimensions (mm)

|   | Free-standing 1305H |
|---|---------------------|
| A | 465                 |
| B | 299                 |
| C | 116                 |
| D | 183                 |
| E | 103                 |
| F | 114                 |
| G | 140                 |



|   | Wet well 1305H |
|---|----------------|
| A | 423            |
| B | 272            |
| C | 116            |
| D | 156            |
| E | 104            |
| F | 114            |
| G | 50             |



## Installation kit selection table\*

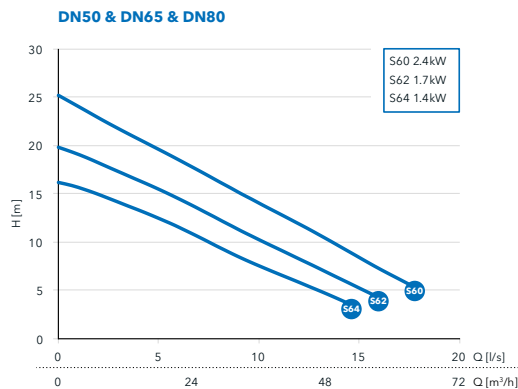
| DN | Free-standing | Wet well | Replacement |
|----|---------------|----------|-------------|
| 50 | included      | 1305-50W | included    |

\* For more information, see page 5

# Lowara® 1310 Non-clog



Performance curves.



Selection table.

| Model | DN | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no      | Voltage  | Cable   | Order number**        |
|-------|----|---------------|------|-----------|-------|-------------|---------------|----------|---------|-----------------------|
| 1310S | 50 | W, T          | 2    | 50        | 1,3   | [see chart] | S60, S62, S64 | 230, 400 | 10 mtrs | 1310S-50-.25-....-/10 |
| 1310S | 65 | X             | 2    | 50        | 1,3   | [see chart] | S60, S62, S64 | 230, 400 | 10 mtrs | 1310S-65X.25-....-/10 |
| 1310S | 80 | X             | 2    | 50        | 1,3   | [see chart] | S60, S62, S64 | 230, 400 | 10 mtrs | 1310S-80X.25-....-/10 |

\* W=Wet well only. T=Free-standing threaded outlet only.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

Pump Data.

| Model            | 1310S         |
|------------------|---------------|
| Impeller Type    | Non-clog      |
| Outlet size (mm) | 50   65   80  |
| Weight (kg)      | 46            |
| Pole             | 2             |
| Insulation Class | F             |
| Starts per hour  | 15            |
| Cable            | 4G1.5 + 2x1.5 |

Material Data.

|                       |                                     |
|-----------------------|-------------------------------------|
| Impeller              | grey cast iron                      |
| Pump housing          | grey cast iron                      |
| Stator housing        | grey cast iron                      |
| Shaft                 | stainless steel                     |
| Inner mechanical seal | carbon/aluminum oxide               |
| Outer mechanical seal | cemented carbide/<br>aluminum oxide |
| O-rings               | nitrile                             |
| Cable sheathing       | nitrile                             |

Motor Data.

|                        | 1310S |      |      |      |      |      |
|------------------------|-------|------|------|------|------|------|
| Voltage                | 400   | 400  | 400  | 230  | 230  | 230  |
| Phase                  | 3     | 3    | 3    | 1    | 1    | 1    |
| Rated Power (kW)       | 2.4   | 1.7  | 1.4  | 2.4  | 1.7  | 1.4  |
| Rated current (A)      | 5     | 3.7  | 3.3  | 14.3 | 9.9  | 8.3  |
| Full Load Power Factor | 0.86  | 0.79 | 0.73 | 0.96 | 0.95 | 0.94 |
| Starting current (A)   | 27    | 27   | 27   | 48   | 48   | 48   |
| Connection             | Y     | Y    | -    | -    | -    | -    |

Process Data.

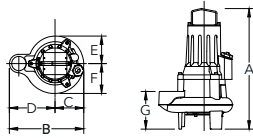
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

Power Cable Data.

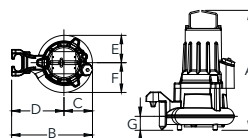
|                     |               |
|---------------------|---------------|
| Cable type (mm²)    | 4G1.5 + 2x1.5 |
| Outer Diameter (mm) | 16            |
| Weight (kg/m)       | 0.32          |

## Pump dimensions (mm)

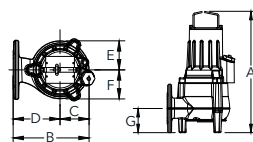
|   | Free-standing 1310S |
|---|---------------------|
| A | 433                 |
| B | 304                 |
| C | 112                 |
| D | 192                 |
| E | 103                 |
| F | 123                 |
| G | 121                 |



|   | Wet well 1310S |
|---|----------------|
| A | 422            |
| B | 287            |
| C | 112            |
| D | 175            |
| E | 103            |
| F | 123            |
| G | 45             |



|   | X-installation 1310S |
|---|----------------------|
| A | 457                  |
| B | 318                  |
| C | 118                  |
| D | 200                  |
| E | 103                  |
| F | 123                  |
| G | 100                  |



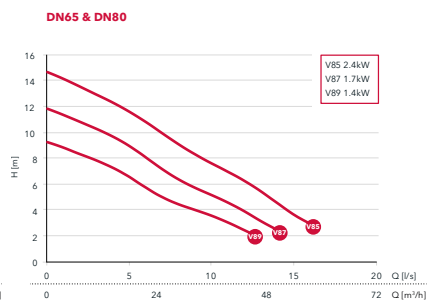
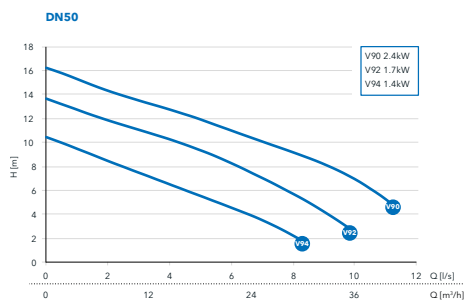
## Installation kit selection table\*

| DN | Free-standing                        | Wet well | Replacement |
|----|--------------------------------------|----------|-------------|
| 50 | included                             | 1305-50W | included    |
| 65 | 1310-65H (hose), 1310-65T (threaded) | 1310-65W | 1310-65R    |
| 80 | 1310-80H (hose), 1310-80T (threaded) | 1310-80W | 1310-80R    |

\* For more information, see page 5

# Lowara® 1310 Vortex

## Performance curves.



## Selection table.

| Model | DN    | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no                | Voltage  | Cable   | Order number**             |
|-------|-------|---------------|------|-----------|-------|-------------|-------------------------|----------|---------|----------------------------|
| 1310H | 50    | W, T          | 2    | 50        | 1,3   | [see chart] | V90, V92, V94           | 230, 400 | 10 mtrs | 1310H-50-.25-...-.../10    |
| 1310M | 65    | X             | 2    | 50        | 1,3   | [see chart] | V85, V87, V89           | 230, 400 | 10 mtrs | 1310M-65X.25-...-.../10    |
| 1310M | 80    | X             | 2    | 50        | 1,3   | [see chart] | V85, V87, V89           | 230, 400 | 10 mtrs | 1310M-80X.25-...-.../10    |
| 1310L | 65-80 | X             | 2    | 50        | 1,3   | [see chart] | V80, V81, V82, V83, V84 | 230, 400 | 10 mtrs | 1310L-65-80X.45-...-.../10 |

\* W=Wet well only. T=Free-standing threaded outlet only.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

## Pump Data.

| Model            | 1310H/M       | 1310L         |
|------------------|---------------|---------------|
| Impeller Type    | Vortex        | Vortex        |
| Outlet size (mm) | 50   65   80  | 65-80         |
| Weight (kg)      | 46            | 46            |
| Pole             | 2             | 4             |
| Insulation Class | F             | F             |
| Starts per hour  | 15            | 15            |
| Cable            | 4G1.5 + 2x1.5 | 4G1.5 + 2x1.5 |

## Material Data.

|                       |                                     |
|-----------------------|-------------------------------------|
| Impeller              | grey cast iron                      |
| Pump housing          | grey cast iron                      |
| Stator housing        | grey cast iron                      |
| Shaft                 | stainless steel                     |
| Inner mechanical seal | carbon/aluminum oxide               |
| Outer mechanical seal | cemented carbide/<br>aluminum oxide |
| O-rings               | nitrile                             |
| Cable sheathing       | nitrile                             |

## Motor Data.

|                        | 1310H/M |      |      |      |      |      | 1310L |      |     |     |     |
|------------------------|---------|------|------|------|------|------|-------|------|-----|-----|-----|
| Voltage                | 400     | 400  | 400  | 230  | 230  | 230  | 400   | 400  | 400 | 230 | 230 |
| Phase                  | 3       | 3    | 3    | 1    | 1    | 1    | 3     | 3    | 3   | 1   | 1   |
| Rated Power (kW)       | 2.4     | 1.7  | 1.4  | 2.4  | 1.7  | 1.7  | 2     | 1.5  | 1.2 | 1.3 | 1.0 |
| Rated current (A)      | 5       | 3.7  | 3.3  | 14.3 | 9.9  | 8.3  | 4.8   | 3.8  | 3.4 | 8.3 | 6.5 |
| Full Load Power Factor | 0.86    | 0.79 | 0.73 | 0.96 | 0.95 | 0.94 | 0.85  | 0.77 | 0.7 | 1.0 | 1.0 |
| Starting current (A)   | 27      | 27   | 27   | 48   | 48   | 48   | 19    | 19   | 19  | 28  | 28  |
| Connection             | Y       | Y    | Y    | -    | -    | -    | Y     | Y    | Y   | -   | -   |

## Process Data.

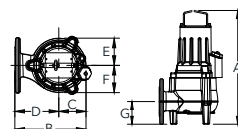
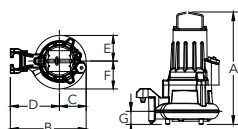
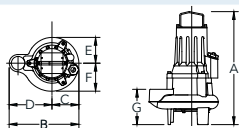
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

## Power Cable Data.

|                               |               |
|-------------------------------|---------------|
| Cable type (mm <sup>2</sup> ) | 4G1.5 + 2x1.5 |
| Outer Diameter (mm)           | 16            |
| Weight (kg/m)                 | 0.32          |

## Pump dimensions (mm)

|   | Free-standing 1310H |   | Wet well 1310H |   | X-installation |
|---|---------------------|---|----------------|---|----------------|
|   |                     |   |                |   | 1310M 1310L    |
| A | 503                 | A | 455            | A | 535 464        |
| B | 310                 | B | 285            | B | 259 346        |
| C | 120                 | C | 119            | C | 99 146         |
| D | 190                 | D | 166            | D | 160 200        |
| E | 115                 | E | 114            | E | 106 146        |
| F | 125                 | F | 124            | F | 106 146        |
| G | 165                 | G | 53             | G | 100 85         |



## Installation kit selection table\*

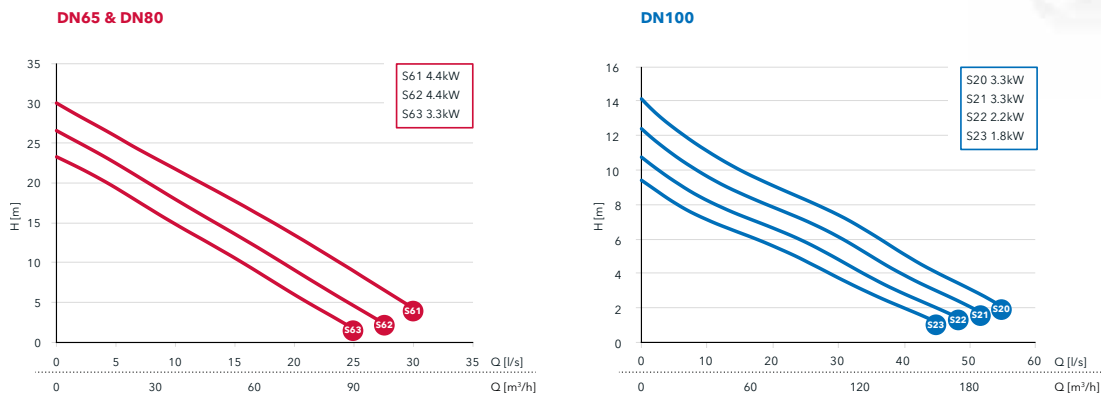
| DN | Free-standing                        | Wet well | Replacement |
|----|--------------------------------------|----------|-------------|
| 50 | included                             | 1310-50W | Included    |
| 65 | 1310-65H (hose), 1310-65T (threaded) | 1310-65W | 1310-65R    |
| 80 | 1310-80H (hose), 1310-80T (threaded) | 1310-80W | 1310-80R    |

\* For more information, see page 5

# Lowara® 1315 Non-clog



Performance curves.



Selection table.

| Model | DN  | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no           | Voltage | Cable   | Order number**           |
|-------|-----|---------------|------|-----------|-------|-------------|--------------------|---------|---------|--------------------------|
| 1315S | 65  | X             | 2    | 50        | 3     | [see chart] | S61, S62, S63      | 400     | 10 mtrs | 1315S-65X.253....400/10  |
| 1315S | 80  | X             | 2    | 50        | 3     | [see chart] | S61, S62, S63      | 400     | 10 mtrs | 1315S-80X.253....400/10  |
| 1315M | 100 | X             | 4    | 50        | 3     | [see chart] | S20, S21, S22, S23 | 400     | 10 mtrs | 1315M-100X.453....400/10 |

\* X=Bare pump.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

## Pump Data.

| Model            | 1315S         | 1315M         |
|------------------|---------------|---------------|
| Impeller Type    | Non-clog      | Non-clog      |
| Outlet size (mm) | 80            | 100           |
| Weight (kg)      | 95            | 95            |
| Pole             | 2             | 4             |
| Insulation Class | F             | F             |
| Starts per hour  | 15            | 15            |
| Cable            | 7G2.5 + 2x1.5 | 4G1.5 + 2x1.5 |

## Material Data.

|                       |                                     |
|-----------------------|-------------------------------------|
| Impeller              | grey cast iron                      |
| Pump housing          | grey cast iron                      |
| Stator housing        | grey cast iron                      |
| Shaft                 | stainless steel                     |
| Inner mechanical seal | carbon/<br>aluminum oxide           |
| Outer mechanical seal | cemented carbide/<br>aluminum oxide |
| O-rings               | nitrile                             |
| Cable sheathing       | nitrile                             |

## Motor Data.

|                        | 1315S |      | 1315M |      |      |
|------------------------|-------|------|-------|------|------|
| Voltage                | 400   | 400  | 400   | 400  | 400  |
| Phase                  | 3     | 3    | 3     | 3    | 3    |
| Rated Power (kW)       | 4.4   | 3.3  | 3.3   | 2.2  | 1.8  |
| Rated current (A)      | 8.5   | 6.5  | 7.3   | 5.3  | 4.8  |
| Full Load Power Factor | 0.9   | 0.86 | 0.83  | 0.73 | 0.67 |
| Starting current (A)   | 49    | 49   | 33    | 33   | 33   |
| Connection             | YD    | YD   | Y     | Y    | Y    |

## Process Data.

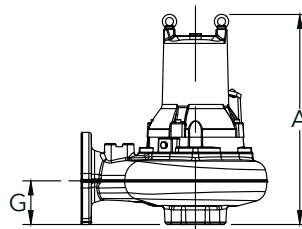
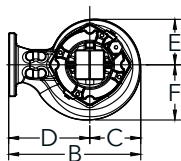
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

## Power Cable Data.

|                     |                         |
|---------------------|-------------------------|
| Cable type (mm²)    | 7G2.5+2x1.5 4G1.5+2x1.5 |
| Outer Diameter (mm) | 26   16                 |
| Weight (kg/m)       | 0.60   0.32             |

## Pump dimensions (mm)

|   | 1315S | 1315M |
|---|-------|-------|
| A | 508   | 524   |
| B | 377   | 464   |
| C | 147   | 179   |
| D | 230   | 285   |
| E | 146   | 161   |
| F | 148   | 194   |
| G | 90    | 109   |



## Installation kit selection table\*

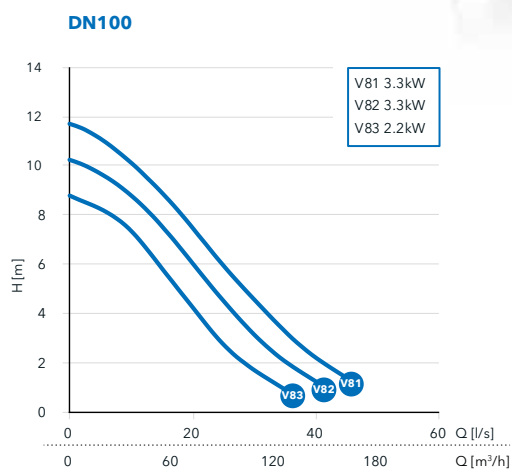
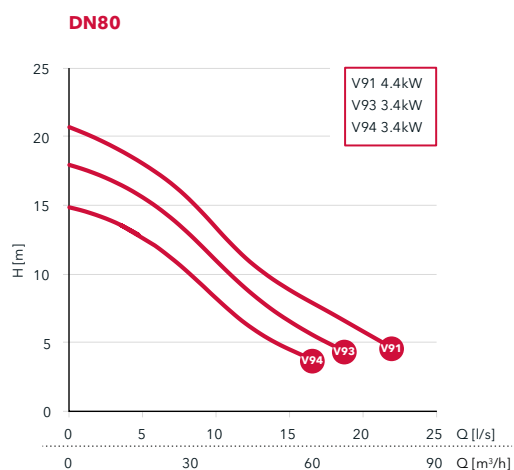
| DN  | Free-standing                          | Wet well  | Replacement |
|-----|----------------------------------------|-----------|-------------|
| 65  | 1315-65H (hose), 1315-65T (threaded)   | 1315-65W  | 1315-65R    |
| 150 | 1315-80H (hose), 1315-80T (threaded)   | 1315-80W  | 1315-80R    |
| 250 | 1315-100H (hose), 1315-100T (threaded) | 1315-100W | 1315-100R   |

\* For more information, see page 5

# Lowara® 1315 Vortex



## Performance curves.



## Selection table.

| Model | DN  | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no      | Voltage | Cable   | Order number**           |
|-------|-----|---------------|------|-----------|-------|-------------|---------------|---------|---------|--------------------------|
| 1315S | 80  | X             | 2    | 50        | 3     | [see chart] | V91, V93, V94 | 400     | 10 mtrs | 1315H-80X.253....400/10  |
| 1315M | 100 | X             | 4    | 50        | 3     | [see chart] | V81, V82, V83 | 400     | 10 mtrs | 1315M-100X.453....400/10 |

\* X=Bare pump.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

## Pump Data.

| Model            | 1315H         | 1315M         |
|------------------|---------------|---------------|
| Impeller Type    | Vortex        | Vortex        |
| Outlet size (mm) | 65   80       | 100           |
| Weight (kg)      | 95            | 95            |
| Pole             | 2             | 4             |
| Insulation Class | F             | F             |
| Starts per hour  | 15            | 15            |
| Cable            | 7G2.5 + 2x1.5 | 4G1.5 + 2x1.5 |

## Material Data.

|                       |                                     |
|-----------------------|-------------------------------------|
| Impeller              | grey cast iron                      |
| Pump housing          | grey cast iron                      |
| Stator housing        | grey cast iron                      |
| Shaft                 | stainless steel                     |
| Inner mechanical seal | carbon/<br>aluminum oxide           |
| Outer mechanical seal | cemented carbide/<br>aluminum oxide |
| O-rings               | nitrile                             |
| Cable sheathing       | nitrile                             |

## Motor Data.

|                        | 1315H |      | 1315M |      |
|------------------------|-------|------|-------|------|
| Voltage                | 400   | 400  | 400   | 400  |
| Phase                  | 3     | 3    | 3     | 3    |
| Rated Power (kW)       | 4.4   | 3.3  | 3.3   | 2.2  |
| Rated current (A)      | 8.5   | 6.5  | 7.3   | 5.3  |
| Full Load Power Factor | 0.9   | 0.86 | 0.83  | 0.73 |
| Starting current (A)   | 49    | 49   | 33    | 33   |
| Connection             | YD    | YD   | Y     | Y    |

## Process Data.

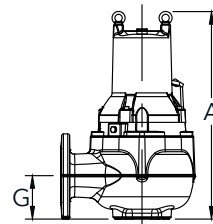
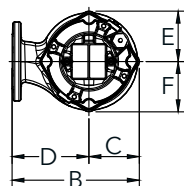
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

## Power Cable Data.

|                               |                           |
|-------------------------------|---------------------------|
| Cable type (mm <sup>2</sup> ) | 7G2.5+2x1.5   4G1.5+2x1.5 |
| Outer Diameter (mm)           | 26   16                   |
| Weight (kg/m)                 | 0.60   0.32               |

## Pump dimensions (mm)

|   | 1315H | 1315M |
|---|-------|-------|
| A | 523   | 573   |
| B | 342   | 367   |
| C | 142   | 142   |
| D | 200   | 225   |
| E | 144   | 148   |
| F | 145   | 147   |
| G | 100   | 120   |



## Installation kit selection table\*

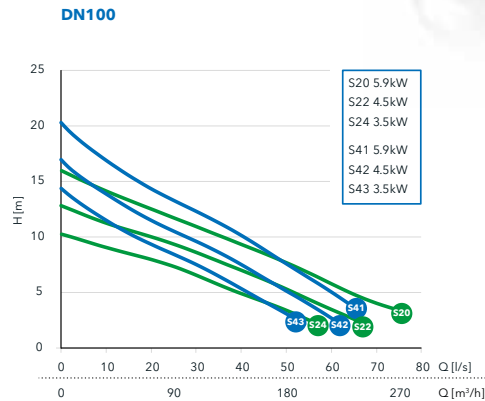
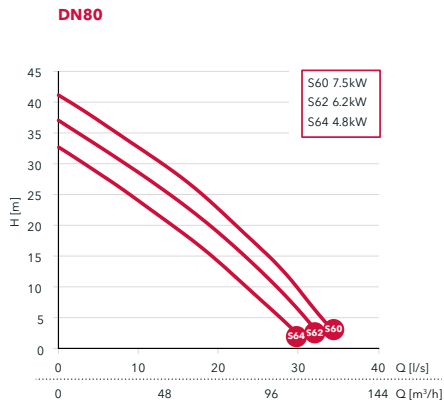
| DN  | Free-standing                          | Wet well  | Replacement |
|-----|----------------------------------------|-----------|-------------|
| 65  | 1315-65H (hose), 1315-65T (threaded)   | 1315-65W  | 1315-65R    |
| 80  | 1315-80H (hose), 1315-80T (threaded)   | 1315-80W  | 1315-80R    |
| 100 | 1315-100H (hose), 1315-100T (threaded) | 1315-100W | 1315-100R   |

\* For more information, see page 5

# Lowara® 1320 Non-clog



Performance curves.



Selection table.

| Model | DN  | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no      | Voltage | Cable   | Order number**           |
|-------|-----|---------------|------|-----------|-------|-------------|---------------|---------|---------|--------------------------|
| 1320S | 80  | X             | 2    | 50        | 3     | [see chart] | S60, S62, S64 | 400     | 10 mtrs | 1320S-80X.253....400/10  |
| 1320H | 100 | X             | 4    | 50        | 3     | [see chart] | S41, S42, S43 | 400     | 10 mtrs | 1320H-100X.453....400/10 |
| 1320M | 100 | X             | 4    | 50        | 3     | [see chart] | S20, S22, S24 | 400     | 10 mtrs | 1320M-100X.453....400/10 |

\* X=Bare pump.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

Pump Data.

| Model            | 1320S         | 1320H         | 1320M         |
|------------------|---------------|---------------|---------------|
| Impeller Type    | Non-clog      | Non-clog      | Non-clog      |
| Outlet size (mm) | 80            | 100           | 100           |
| Weight (kg)      | 130           | 140           | 156           |
| Pole             | 2             | 4             | 4             |
| Insulation Class | F             | F             | F             |
| Starts per hour  | 15            | 15            | 15            |
| Cable            | 7G2.5 + 2x1.5 | 7G2.5 + 2x1.5 | 7G2.5 + 2x1.5 |

Material Data.

|                       |                                       |
|-----------------------|---------------------------------------|
| Impeller              | grey cast iron                        |
| Pump housing          | grey cast iron                        |
| Stator housing        | grey cast iron                        |
| Shaft                 | stainless steel                       |
| Inner mechanical seal | carbon/<br>cemented carbide           |
| Outer mechanical seal | cemented carbide/<br>cemented carbide |
| O-rings               | nitrile                               |
| Cable sheathing       | nitrile                               |

Motor Data.

|                        | 1320S |      |     | 1320H/M |      |     |
|------------------------|-------|------|-----|---------|------|-----|
| Voltage                | 400   | 400  | 400 | 400     | 400  | 400 |
| Phase                  | 3     | 3    | 3   | 3       | 3    | 3   |
| Rated Power (kW)       | 7.5   | 6.2  | 4.8 | 5.9     | 4.5  | 3.5 |
| Rated current (A)      | 14    | 11.9 | 9.7 | 12.5    | 9.9  | 8.4 |
| Full Load Power Factor | 0.88  | 0.85 | 0.8 | 0.82    | 0.77 | 0.7 |
| Starting current (A)   | 107   | 107  | 107 | 60      | 60   | 60  |
| Connection             | D     | D    | D   | YD      | YD   | YD  |

Process Data.

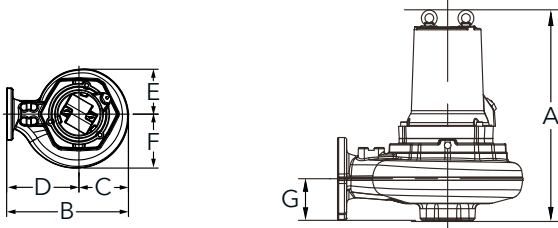
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

Power Cable Data.

|                     |               |
|---------------------|---------------|
| Cable type (mm²)    | 7G2.5 + 2x1.5 |
| Outer Diameter (mm) | 22            |
| Weight (kg/m)       | 0.60          |

# Pump dimensions (mm)

|   | 1320S | 1320H | 1320M |
|---|-------|-------|-------|
| A | 570   | 592   | 618   |
| B | 425   | 523   | 523   |
| C | 165   | 213   | 213   |
| D | 260   | 310   | 310   |
| E | 151   | 194   | 180   |
| F | 172   | 232   | 214   |
| G | 90    | 117   | 124   |



# Installation kit selection table\*

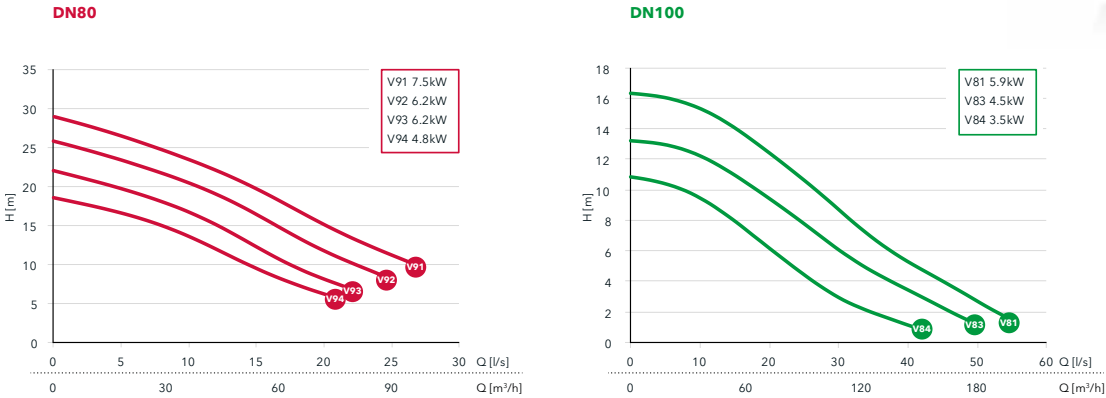
| DN  | Free-standing                          | Wet well  | Replacement |
|-----|----------------------------------------|-----------|-------------|
| 80  | 1320-80H (hose), 1320-80T (threaded)   | 1320-80W  | 1320-80R    |
| 100 | 1320-100H (hose), 1320-100T (threaded) | 1320-100W | 1320-100R   |

\* For more information, see page 5

# Lowara® 1320 Vortex



# Performance curves.



## Selection table.

| Model | DN  | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no           | Voltage | Cable   | Order number**           |
|-------|-----|---------------|------|-----------|-------|-------------|--------------------|---------|---------|--------------------------|
| 1320H | 80  | X             | 2    | 50        | 3     | [see chart] | V91, V92, V93, V94 | 400     | 10 mtrs | 1320H-80X.253....400/10  |
| 1320M | 100 | X             | 4    | 50        | 3     | [see chart] | V81, V83, V84      | 400     | 10 mtrs | 1320M-100X.453....400/10 |

\* X=Bare pump.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

## Pump Data.

| Model            | 1320H         | 1320M         |
|------------------|---------------|---------------|
| Impeller Type    | Vortex        | Vortex        |
| Outlet size (mm) | 80            | 100           |
| Weight (kg)      | 140           | 156           |
| Pole             | 2             | 4             |
| Insulation Class | F             | F             |
| Starts per hour  | 15            | 15            |
| Cable            | 7G2.5 + 2x1.5 | 7G2.5 + 2x1.5 |

## Material Data.

|                       |                                       |
|-----------------------|---------------------------------------|
| Impeller              | grey cast iron                        |
| Pump housing          | grey cast iron                        |
| Stator housing        | grey cast iron                        |
| Shaft                 | stainless steel                       |
| Inner mechanical seal | carbon/<br>cemented carbide           |
| Outer mechanical seal | cemented carbide/<br>cemented carbide |
| O-rings               | nitrile                               |
| Cable sheathing       | nitrile                               |

## Motor Data.

|                        | 1320H |      |     | 1320M |      |     |
|------------------------|-------|------|-----|-------|------|-----|
| Voltage                | 400   | 400  | 400 | 400   | 400  | 400 |
| Phase                  | 3     | 3    | 3   | 3     | 3    | 3   |
| Rated Power (kW)       | 7.5   | 6.2  | 4.8 | 5.9   | 4.5  | 3.5 |
| Rated current (A)      | 14    | 11.9 | 9.7 | 12.5  | 9.9  | 8.4 |
| Full Load Power Factor | 0.88  | 0.85 | 0.8 | 0.82  | 0.77 | 0.7 |
| Starting current (A)   | 107   | 107  | 107 | 60    | 60   | 60  |
| Connection             | YD    | YD   | YD  | YD    | YD   | YD  |

## Process Data.

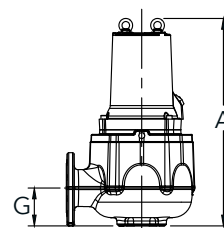
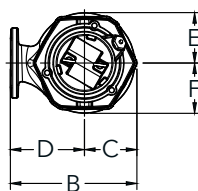
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

## Power Cable Data.

|                     |               |
|---------------------|---------------|
| Cable type (mm²)    | 7G2.5 + 2x1.5 |
| Outer Diameter (mm) | 22            |
| Weight (kg/m)       | 0.60          |

## Pump dimensions (mm)

|   | 1320H | 1320M |
|---|-------|-------|
| A | 610   | 674   |
| B | 375   | 419   |
| C | 165   | 174   |
| D | 210   | 245   |
| E | 154   | 166   |
| F | 154   | 167   |
| G | 100   | 123   |



## Installation kit selection table\*

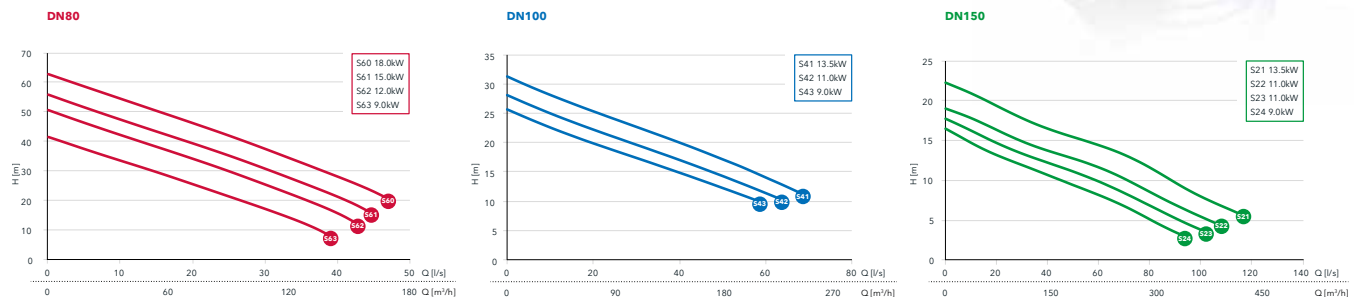
| DN  | Free-standing                          | Wet well  | Replacement |
|-----|----------------------------------------|-----------|-------------|
| 80  | 1320-80H (hose), 1320-80T (threaded)   | 1320-80W  | 1320-80R    |
| 100 | 1320-100H (hose), 1320-100T (threaded) | 1320-100W | 1320-100R   |

\* For more information, see page 5

# Lowara® 1325 Non-clog



Performance curves.



Selection table.

| Model | DN  | Installation* | Pole | Freq (Hz) | Phase | Rated Power | Curve no           | Voltage | Cable   | Order number**           |
|-------|-----|---------------|------|-----------|-------|-------------|--------------------|---------|---------|--------------------------|
| 1325S | 80  | X             | 2    | 50        | 3     | [see chart] | S60, S61, S62, S63 | 400     | 10 mtrs | 1325S-80X.253....400/10  |
| 1325S | 100 | X             | 4    | 50        | 3     | [see chart] | S41, S42, S43      | 400     | 10 mtrs | 1325H-100X.453....400/10 |
| 1325M | 150 | X             | 4    | 50        | 3     | [see chart] | S21, S22, S23, S24 | 400     | 10 mtrs | 1325M-150X.453....400/10 |

\* X=Bare pump.

\*\* For information on configuring the right order number, see page 5. Pumps come standard with thermal switches.

Pump Data.

| Model            | 1325S         | 1325H         | 1325M         |
|------------------|---------------|---------------|---------------|
| Impeller Type    | Non-clog      | Non-clog      | Non-clog      |
| Outlet size (mm) | 80            | 100           | 150           |
| Weight (kg)      | 170           | 180           | 190           |
| Pole             | 2             | 4             | 4             |
| Insulation Class | F             | F             | F             |
| Starts per hour  | 15            | 15            | 15            |
| Cable            | 7G2.5 + 2x1.5 | 7G2.5 + 2x1.5 | 7G2.5 + 2x1.5 |

Motor Data.

|                        | 1325S |      |      |      | 1325H/M |      |      |
|------------------------|-------|------|------|------|---------|------|------|
| Voltage                | 400   | 400  | 400  | 400  | 400     | 400  | 400  |
| Phase                  | 3     | 3    | 3    | 3    | 3       | 3    | 3    |
| Rated Power (kW)       | 18    | 15   | 12   | 9    | 13.5    | 11   | 9    |
| Rated current (A)      | 32    | 27   | 22   | 17.9 | 27      | 23   | 19.8 |
| Full Load Power Factor | 0.9   | 0.89 | 0.86 | 0.8  | 0.82    | 0.79 | 0.74 |
| Starting current (A)   | 213   | 213  | 213  | 213  | 145     | 145  | 145  |
| Connection             | YD    | YD   | YD   | YD   | YD      | YD   | YD   |

Material Data.

|                       |                                       |
|-----------------------|---------------------------------------|
| Impeller              | grey cast iron                        |
| Pump housing          | grey cast iron                        |
| Stator housing        | grey cast iron                        |
| Shaft                 | stainless steel                       |
| Inner mechanical seal | carbon/<br>aluminum oxide             |
| Outer mechanical seal | cemented carbide/<br>cemented carbide |
| O-rings               | nitrile                               |
| Cable sheathing       | nitrile                               |

Process Data.

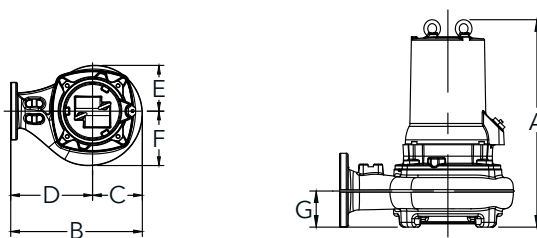
|                           |          |
|---------------------------|----------|
| Max submergence           | 20 m     |
| Max fluid temp            | 40 °C    |
| pH range of pumped liquid | 5.5 - 14 |

Power Cable Data.

|                     |               |
|---------------------|---------------|
| Cable type (mm²)    | 7G2.5 + 2x1.5 |
| Outer Diameter (mm) | 22            |
| Weight (kg/m)       | 0.60          |

## Pump dimensions (mm)

|   | 1325S | 1325H | 1325M |
|---|-------|-------|-------|
| A | 650   | 667   | 663   |
| B | 505   | 531   | 550   |
| C | 175   | 201   | 220   |
| D | 330   | 330   | 330   |
| E | 175   | 185   | 187   |
| F | 175   | 220   | 259   |
| G | 82    | 110   | 137   |



## Installation kit selection table\*

| DN  | Free-standing                          | Wet well  | Replacement |
|-----|----------------------------------------|-----------|-------------|
| 80  | 1325-80H (hose), 1325-80T (threaded)   | 1325-80W  | 1325-80R    |
| 100 | 1325-100H (hose), 1325-100T (threaded) | 1325-100W | 1325-100R   |
| 150 | 1325-150H (hose), 1325-150T (threaded) | 1325-150W | 1325-150R   |

\* For more information, see page 5

## Other drainage and wastewater products within the Lowara Portfolio.

### DOC SERIES cellar drainage pumps



**50 Hz**

Capacity up to 14 m<sup>3</sup>/h  
Head up to 11 m  
Power up to 0,55 kW  
Solids up to 20 mm

### DOMO SERIES wastewater/ sewage pumps



**50 Hz**

Capacity up to 40 m<sup>3</sup>/h  
Head up to 14,5 m  
Power up to 1,5 kW  
Solids up to 50 mm

### DOMO GRI SERIES sewage pumps with grinder device



**50 Hz**

Capacity up to 6,6 m<sup>3</sup>/h  
Head up to 25 m  
Power up to 1,1 kW

### DN SERIES drainage pumps



**50 Hz**

Capacity up to 16,8 m<sup>3</sup>/h  
Head up to 22 m  
Power up to 0,75 kW  
Solids up to 5 mm

### DIWA SERIES drainage pumps



**50 Hz**

Capacity up to 25 m<sup>3</sup>/h  
Head up to 21 m  
Power up to 1,5 kW  
Solids up to 8 mm

### DL SERIES wastewater/ sewage pumps



**50 Hz**

Capacity up to 42 m<sup>3</sup>/h  
Head up to 21,9 m  
Power up to 1,5 kW  
Solids up to 50 mm

### GLS-GLV SERIES wastewater/sewage pumps in cast iron with self-cleaning channel or vortex impeller



**50 Hz**

Capacity up to 244 m<sup>3</sup>/h  
Head up to 41 m  
Power up to 7,4 kW  
Solids up to 100 mm  
Motors 2-4 poles  
Temp up to +40°C

### BOX SERIES prefabricated lifting stations

Minibox  
Midibox  
Singlebox Plus  
Doublebox Plus  
Maxibox Plus



Volume  
Pumps

up to 1900 liters  
1 or 2

### SOS FLOODKIT For flooded basements and garages



Pump type DOC 3  
with 10 metres cable

Can be used in or  
outside the box.

# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and reused in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

**For more information on how Xylem can help you, go to [xyleminc.com](http://xyleminc.com)**



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