

**Construction**

Submersible sewage pump with macerator for intermittent duty and continuous duty, for stationary and portable wet well installation.

**Application**

- Pumping of
- > Sewage containing faeces in accordance with **(DIN) EN 12050-1**
  - > Wastewater

### Equipment/function

- > Macerator with internal or external blade and pulling cut
- > Winding temperature monitoring with bimetallic strip
- > ATEX approval (with motor version "P")
- > Optional external pencil electrode for the sealing chamber monitoring

### Scope of delivery

- > Pump
- > 10 m connection cable with plug (single-phase version) or bare cable end (three-phase version)
- > Installation and operating instructions

### Type key

Example: **Wilox-Rexa CUT GE03.26/P-T15-2-540X/P**

<b>Rexa</b>	Submersible sewage pump with centrifugal hydraulics
<b>CUT</b>	Series with macerator Hydraulic version:
<b>GE</b>	GI = internal macerator GE = external macerator Nominal diameter of the pressure connection:
<b>03</b>	03 = DN 32 04 = DN 40
<b>26</b>	Zero-delivery head in m Motor version:
<b>P</b>	S = stainless steel motor housing P = cast iron motor housing Mains connection version:
<b>T</b>	M = 1~ T = 3~
<b>15</b>	Value/10 = motor power P2 in kW
<b>2</b>	Number of poles
<b>5</b>	Frequency (5 = 50 Hz, 6 = 60 Hz)
<b>40</b>	Code for rated voltage Ex rating:
<b>X</b>	No supplement = not Ex-rated X = Ex-rated Additional electrical equipment:
<b>P</b>	No supplement = with bare cable end P = with plug

### Technical data

- > Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- > Submerged operating mode: S1
- > Operating mode, non-immersed, CUT GI: S2-15 min; S3 10 %
- > Operating mode, non-immersed, CUT GE: S2-30 min; S3 25%
- > Protection class: IP68
- > Insulation class: F (CUT GE: optionally H)
- > Fluid temperature: 3...40 °C, max. 60 °C for 3 min
- > Max. immersion depth: 20 m
- > Cable length: 10 m

### Materials

- > Motor housing: 1.4301 (motor version "S") or EN-GJL-250 (motor version "P")
- > Hydraulics housing: EN-GJL-250
- > Impeller: EN-GJL 250
- > Shaft end: Stainless steel 1.4021
- > Macerator: interior blade = 1.4528; external blade = Abrasite/1.4034
- > Sealing on pump side: SiC/SiC
- > Sealing on motor side: C/MgSiO4
- > Static gaskets: NBR

### Description/construction

Submersible sewage pump with internal or external macerator as submersible monobloc unit for stationary and portable wet well installation in intermittent and continuous duty.

### Hydraulics

The outlet on the pressure side is designed as horizontal flange connection with a DN 32/40 combined connection. The maximum possible dry matter is 8 % (depending on the hydraulics) Single-channel and multi-channel impellers are used.

### Motor

Single-phase and three-phase current surface-cooled motors for direct starting are used as the motors. The waste heat is given off directly to the surrounding fluid via the motor housing. These motors can be operated immersed in continuous duty (S1) and non-immersed in short-time duty (S2) or intermittent periodic duty (S3).

The motors are equipped with a thermal winding monitor. This protects the motor windings against overheating. Bimetallic strips are used for this as standard. Motors in the P-version are also equipped with motor compartment monitoring. The moisture probe signals water ingress into the motor compartment.

Furthermore, the motor can also be fitted with an external pencil electrode to monitor the sealing chamber. This signals if there is water ingress into the sealing chamber through the seal on the pump side.

The connection cable has a length of 10 m as standard and the single-phase version is equipped with a plug. The three-phase version has bare cable ends as standard and is cast as longitudinally watertight for P-version motors.

### Seal

There is a sealing chamber between the motor and hydraulics. It is filled with medical white oil and protects the motor from media ingress by the seal on pump side. The pump-side and motor-side seals are provided by two mechanical seals which rotate independently of each other.

## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Half open multi-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	25 m
Optimal delivery head $H_{opt}$	1549 kPa
Max. volume flow $Q$	21,3 m³/h
Optimal volume flow $Q_{opt}$	11,68 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	2,5 kW
Power consumption $P_{1 max}$	3200 W
Rated current $I_N$	5,5 A
Starting current $I$	31 A
Rated speed $n$	2848 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	ATEX
Motor protection	Bimetallic
Motor, leakage detection	yes
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

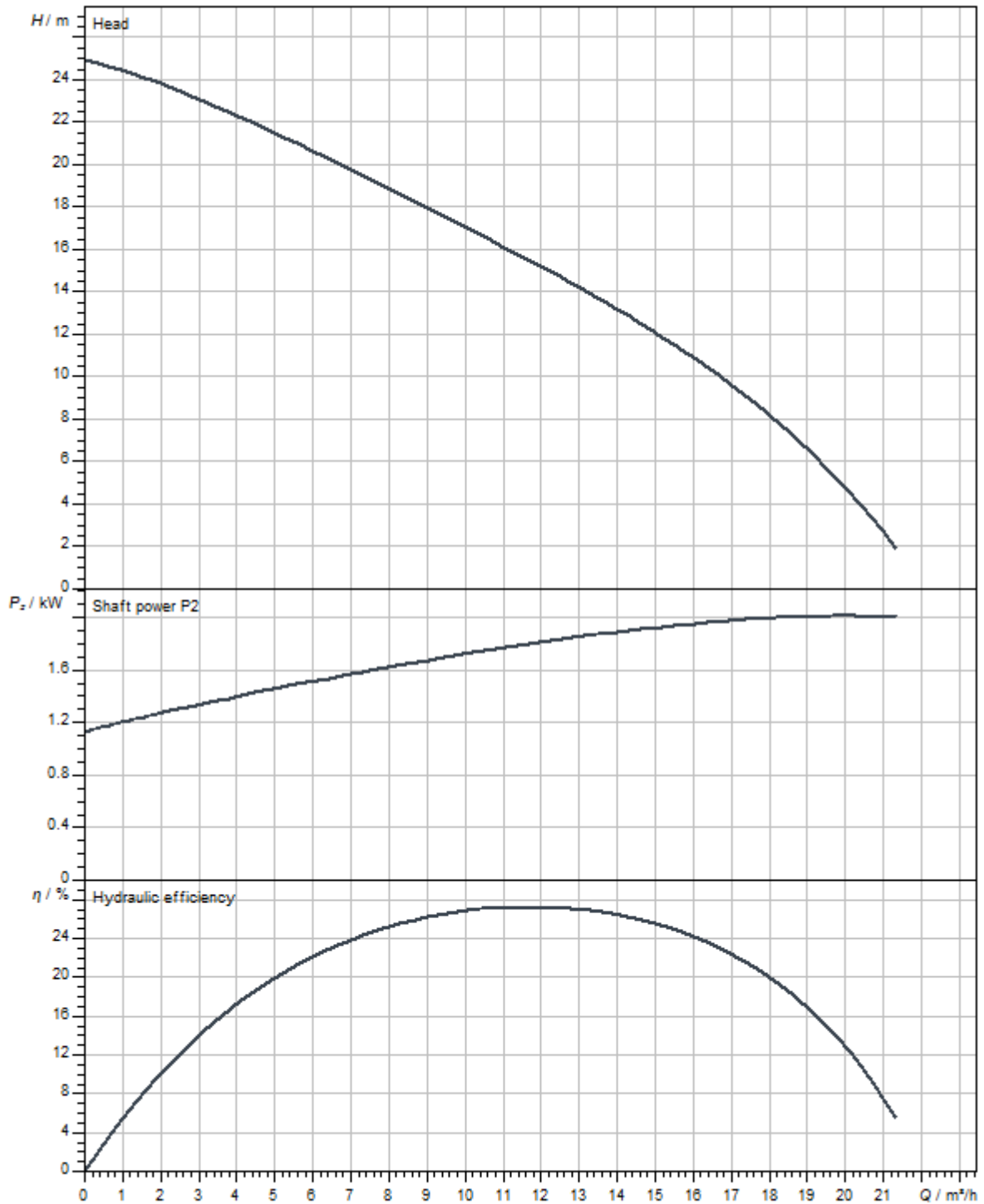
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Cast iron

### Installation dimensions

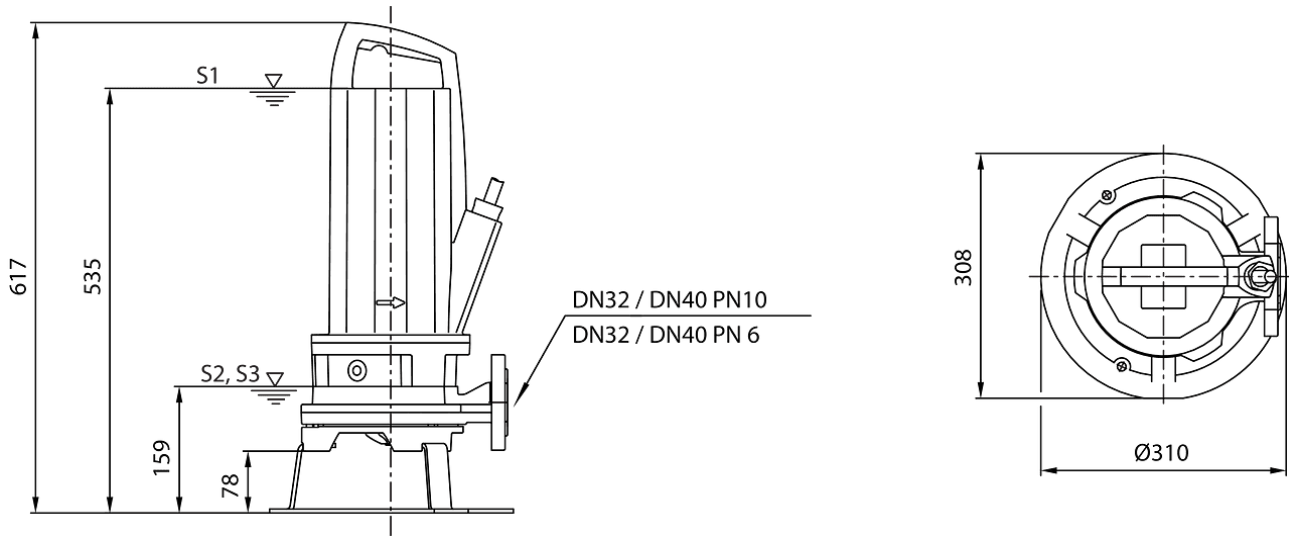
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GE03.25.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	4 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Half open multi-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	34 m
Optimal delivery head $H_{opt}$	2363 kPa
Max. volume flow $Q$	19,5 m³/h
Optimal volume flow $Q_{opt}$	14,45 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	3,9 kW
Power consumption $P_{1 max}$	4800 W
Rated current $I_N$	8,5 A
Starting current $I$	55 A
Rated speed $n$	2879 1/min
Power factor $\cos \varphi$	0,82
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	ATEX
Motor protection	Bimetallic
Motor, leakage detection	yes
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

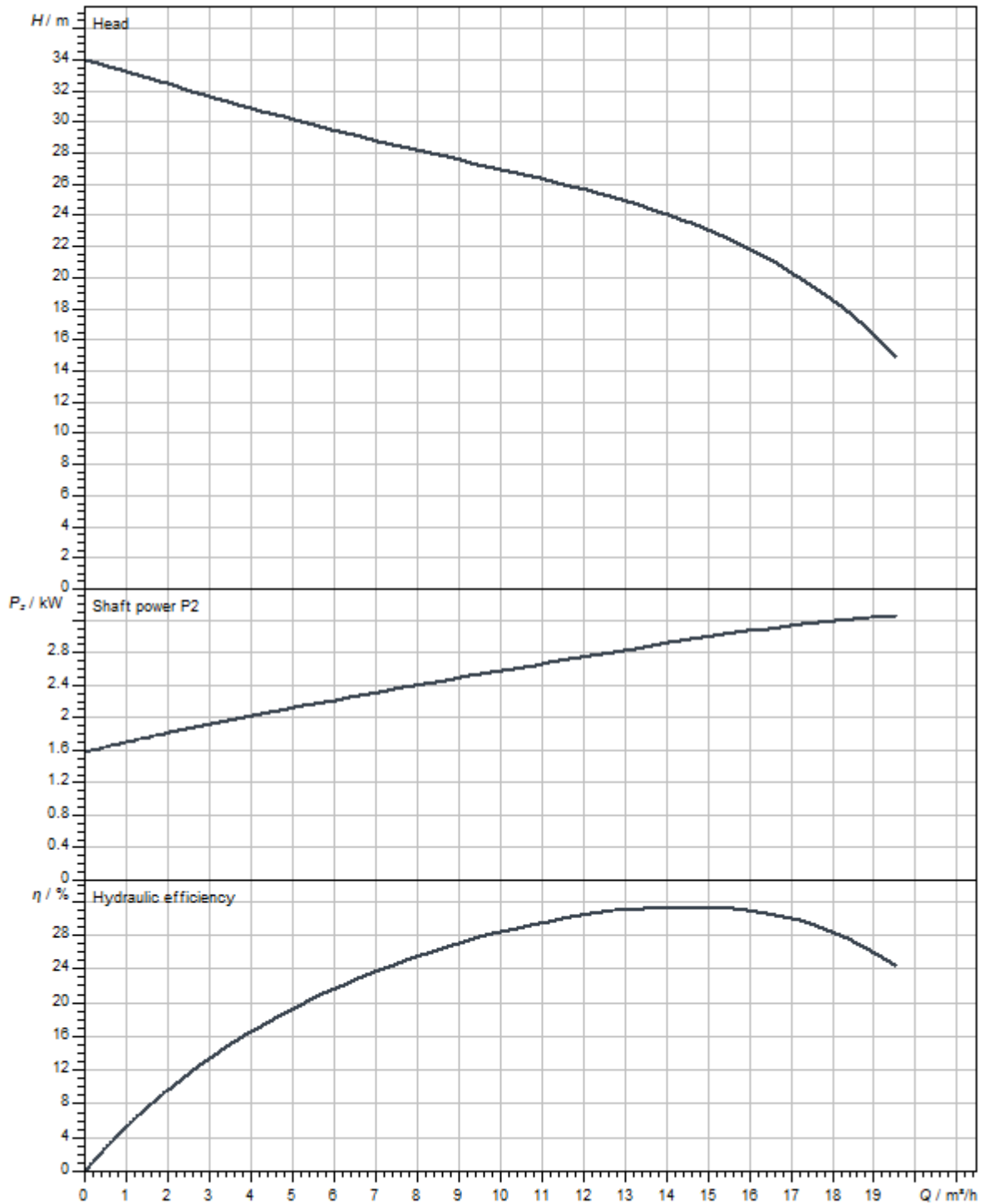
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Cast iron

### Installation dimensions

Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

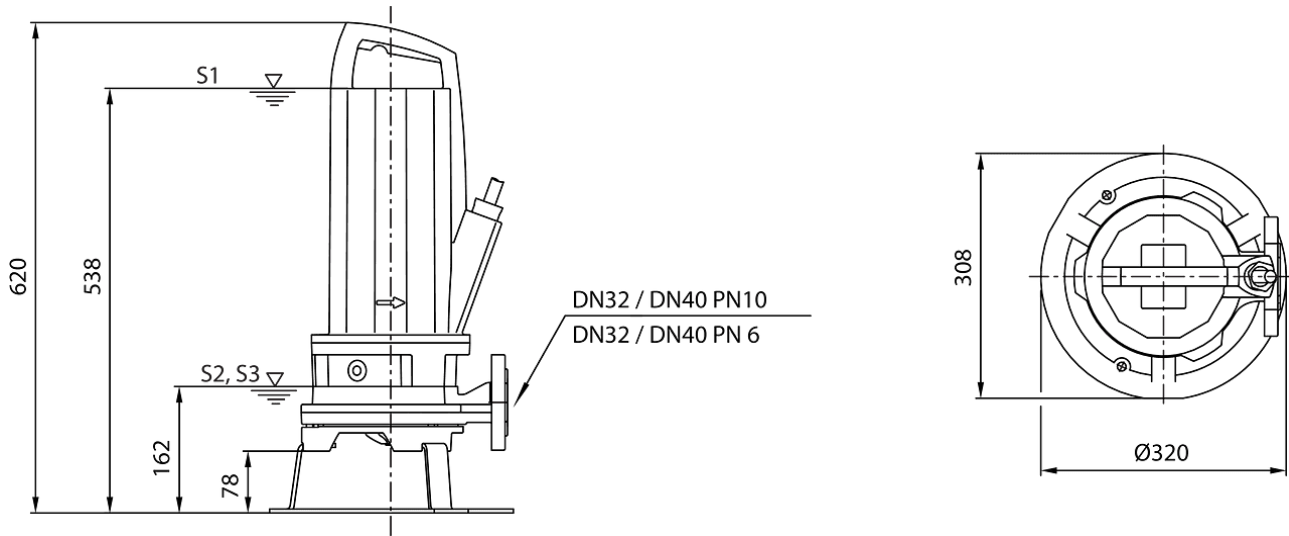
Pump curves





### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GE03.34.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	2 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Half open multi-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	20 m
Optimal delivery head $H_{opt}$	1220 kPa
Max. volume flow $Q$	18,5 m³/h
Optimal volume flow $Q_{opt}$	9,821 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	3,6 A
Starting current $I$	20 A
Rated speed $n$	2850 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	ATEX
Motor protection	Bimetallic
Motor, leakage detection	yes
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

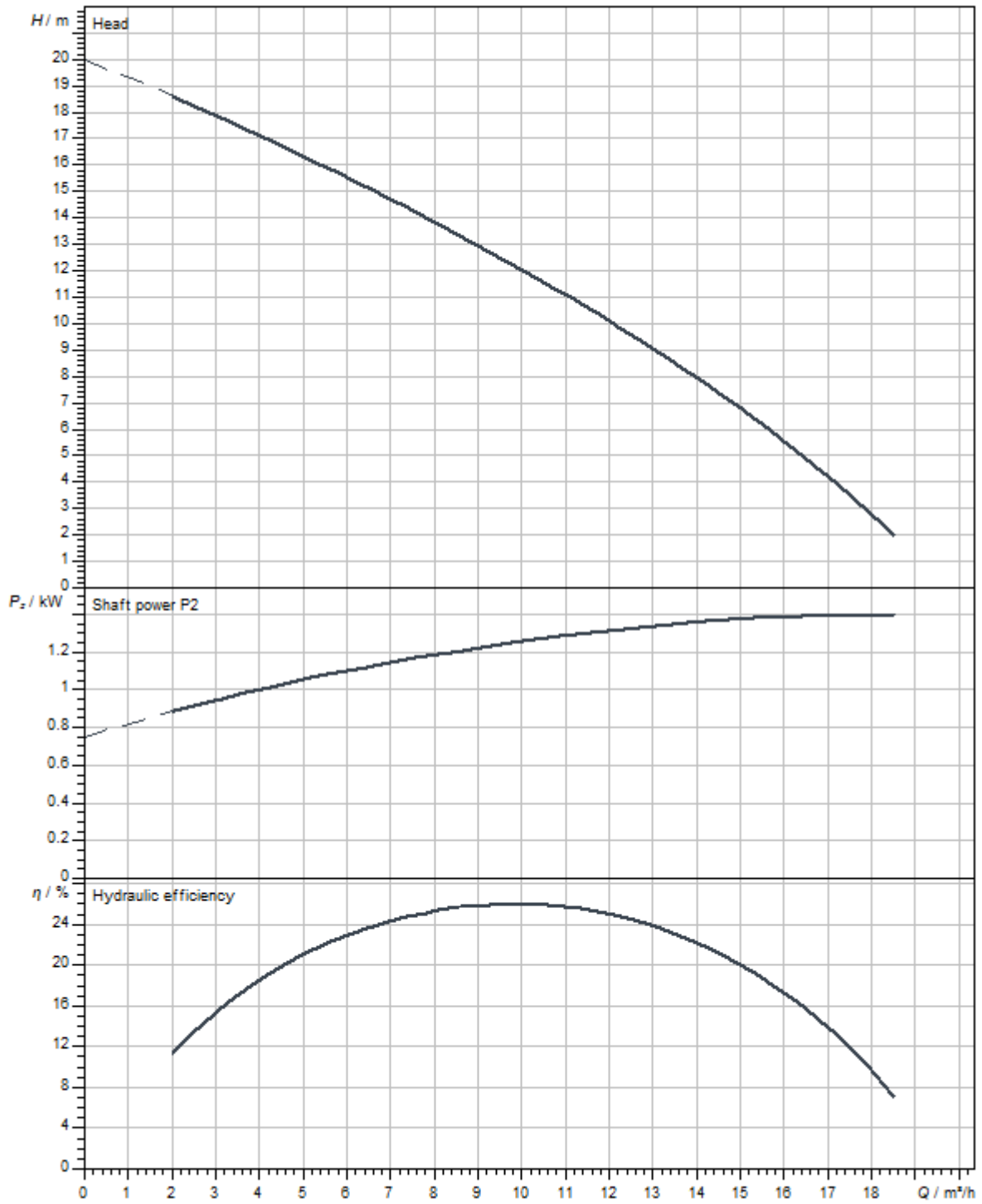
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Cast iron

### Installation dimensions

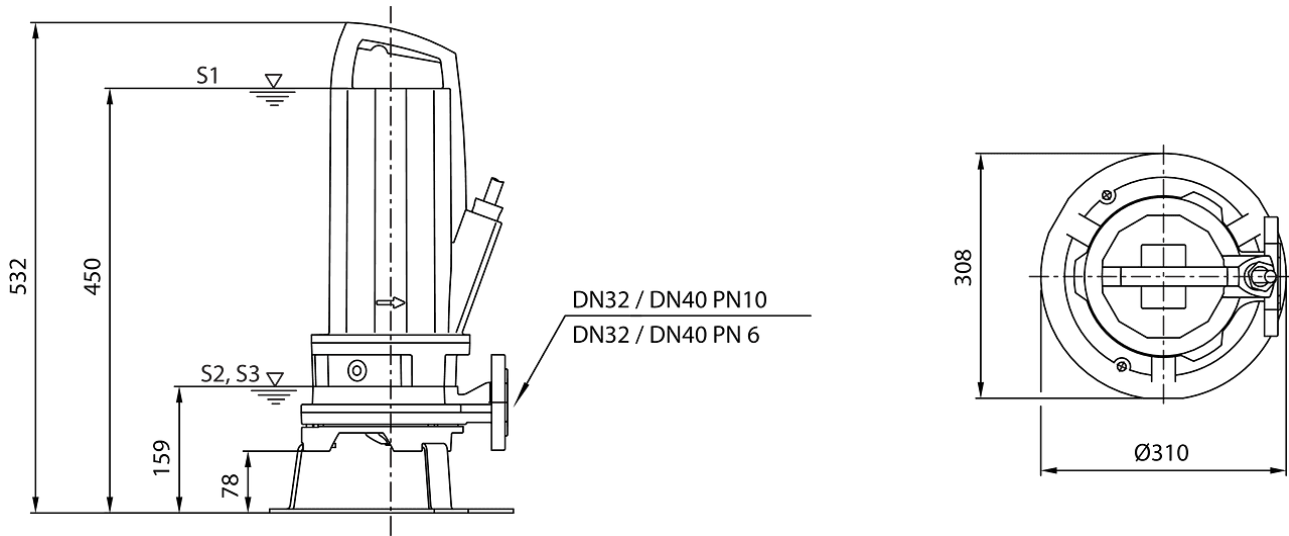
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GE03.20.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	4 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Half open multi-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	34 m
Optimal delivery head $H_{opt}$	2363 kPa
Max. volume flow $Q$	19,5 m³/h
Optimal volume flow $Q_{opt}$	14,45 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	3,9 kW
Power consumption $P_{1 max}$	4800 W
Rated current $I_N$	8,5 A
Starting current $I$	55 A
Rated speed $n$	2879 1/min
Power factor $\cos \varphi$	0,82
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min

### Cable

Connection cable length	20 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	ATEX
Motor protection	Bimetallic
Motor, leakage detection	yes
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

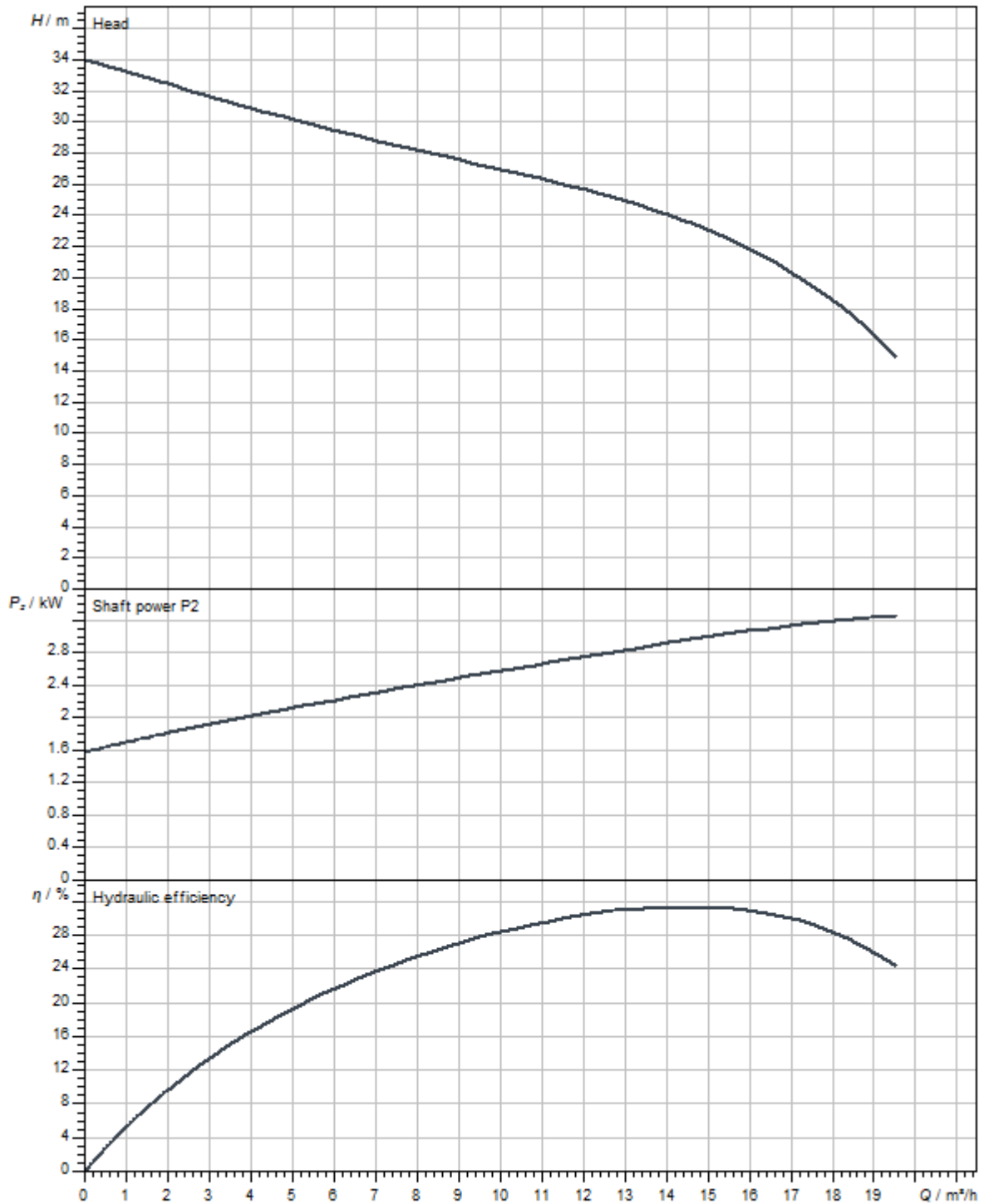
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Cast iron

### Installation dimensions

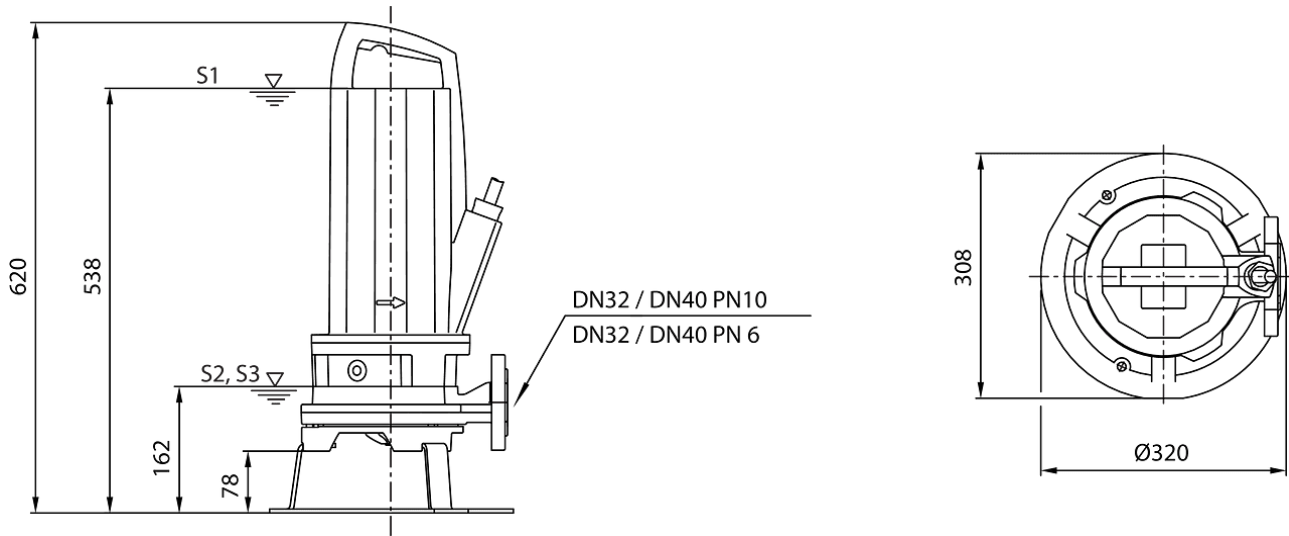
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GE03.34.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Half open multi-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	25 m
Optimal delivery head $H_{opt}$	1549 kPa
Optimal volume flow $Q_{opt}$	11,68 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	2,5 kW
Power consumption $P_{1 max}$	3200 W
Rated current $I_N$	5,5 A
Starting current $I$	31 A
Rated speed $n$	2848 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor - air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min

### Cable

Connection cable length	20 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	ATEX
Motor protection	Bimetallic
Motor, leakage detection	yes
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

### Materials

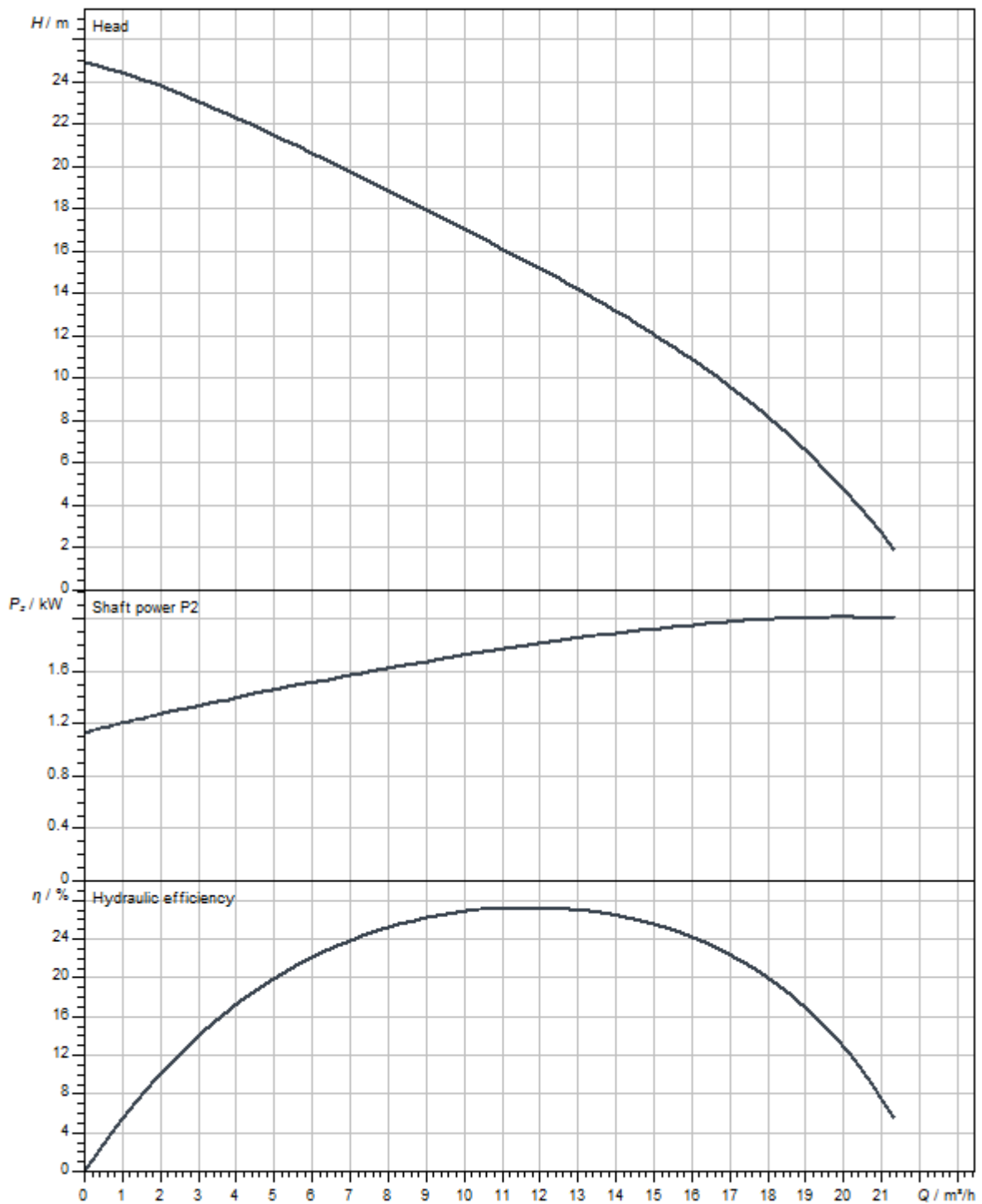
Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Cast iron

### Installation dimensions

Pipe connection on the suction side $DN_s$	-
Pipe connection on the pressure side $DN_d$	DN 32/40, Rp 1¼

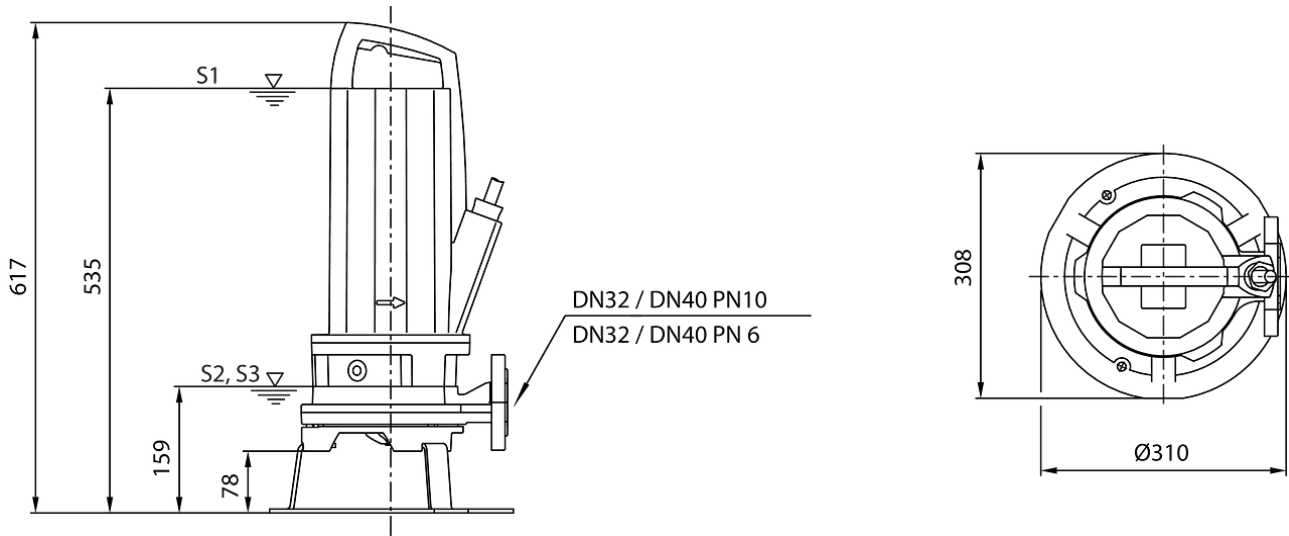


### Pump curves



### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GE03.25.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	2 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Half open multi-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	20 m
Optimal delivery head $H_{opt}$	1220 kPa
Max. volume flow $Q$	18,5 m³/h
Optimal volume flow $Q_{opt}$	9,821 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	3,6 A
Starting current $I$	20 A
Rated speed $n$	2850 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min

### Cable

Connection cable length	20 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	ATEX
Motor protection	Bimetallic
Motor, leakage detection	yes
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

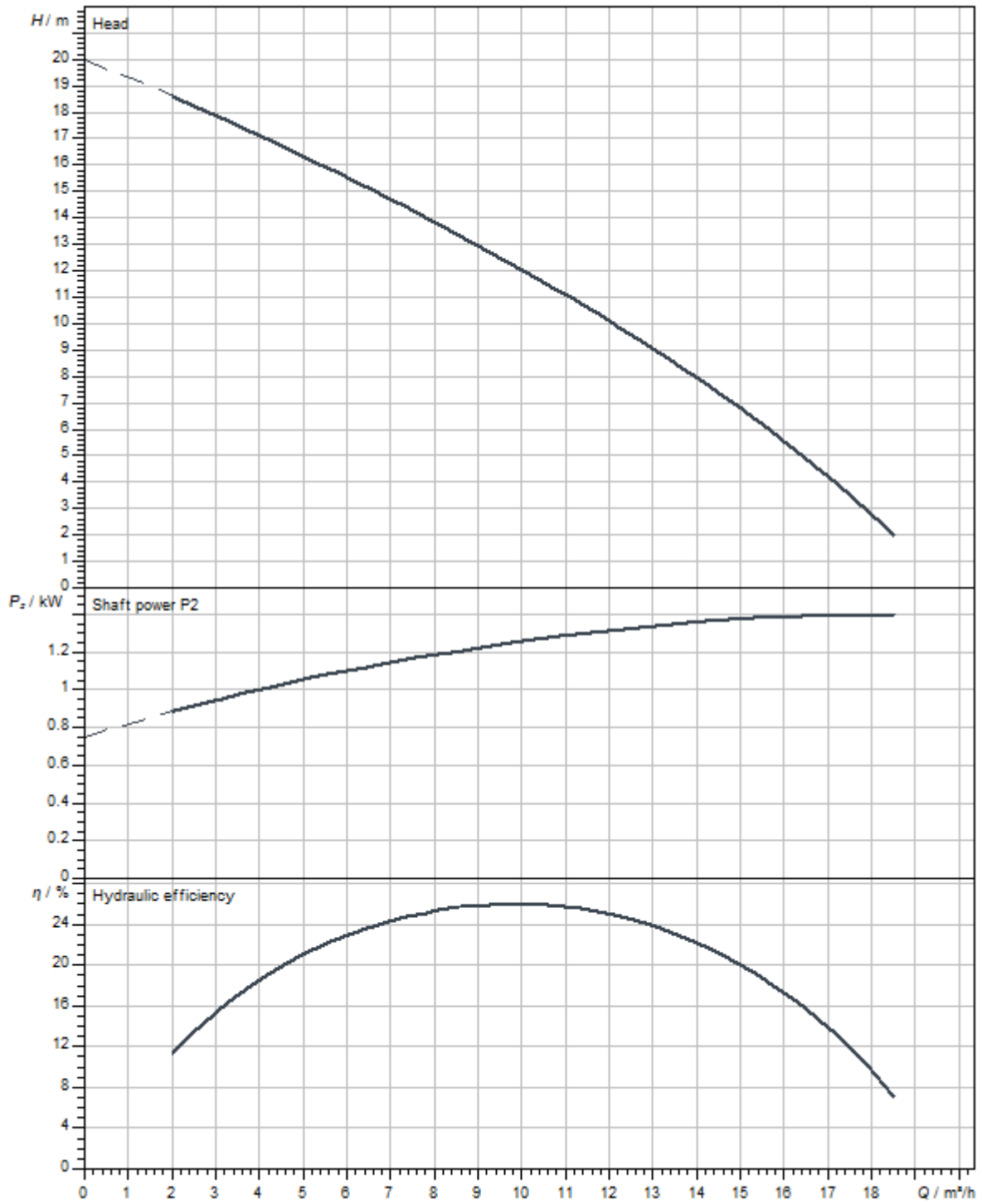
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Cast iron

### Installation dimensions

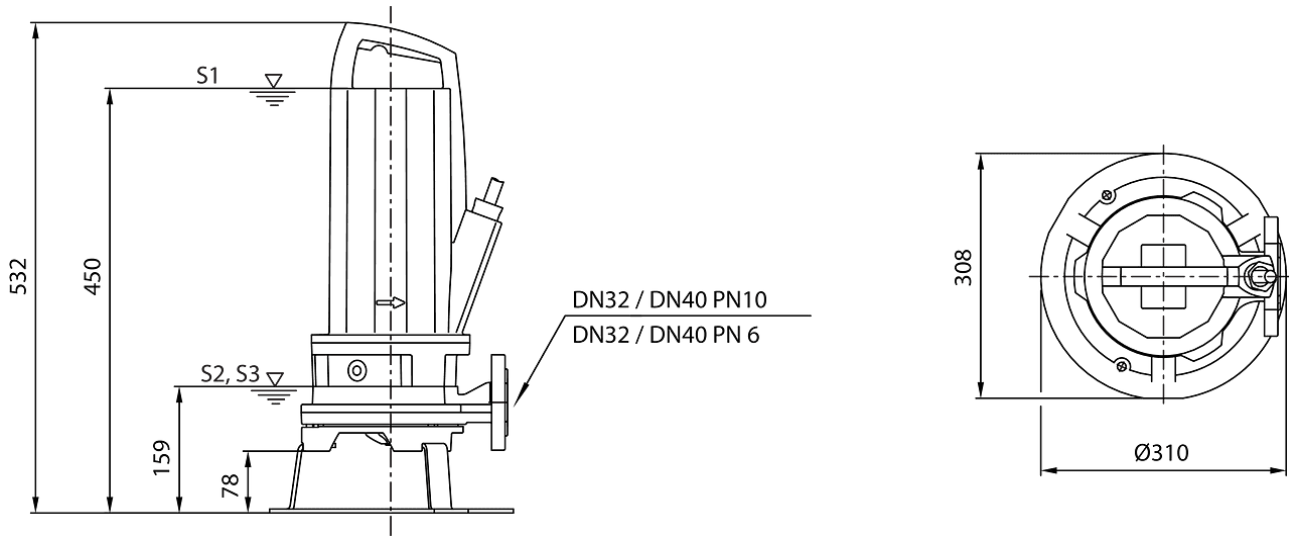
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GE03.20.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	26,5 m
Optimal delivery head $H_{opt}$	1252 kPa
Max. volume flow $Q$	19,5 m³/h
Optimal volume flow $Q_{opt}$	11,88 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	3,6 A
Starting current $I$	20 A
Rated speed $n$	2850 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

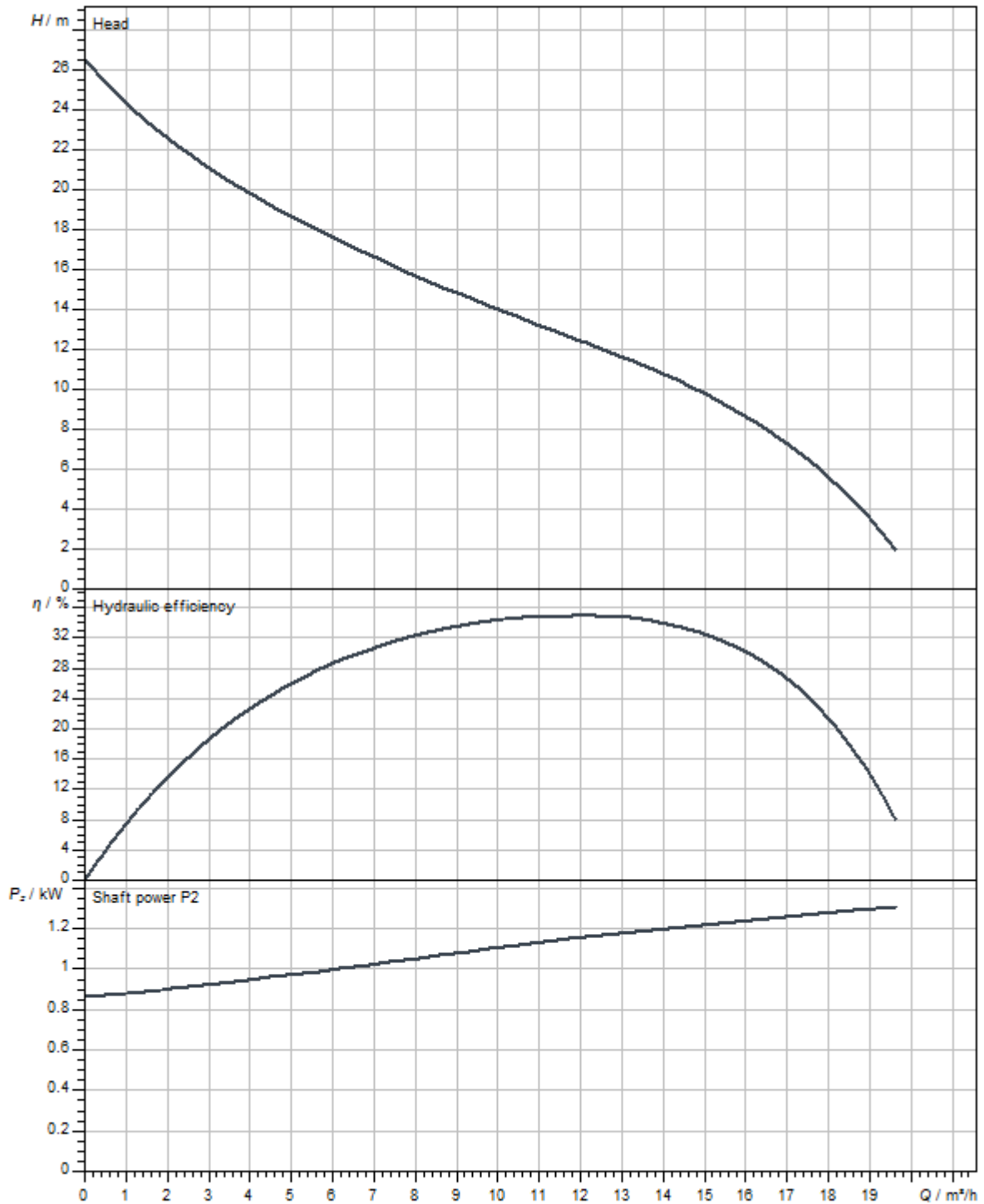
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

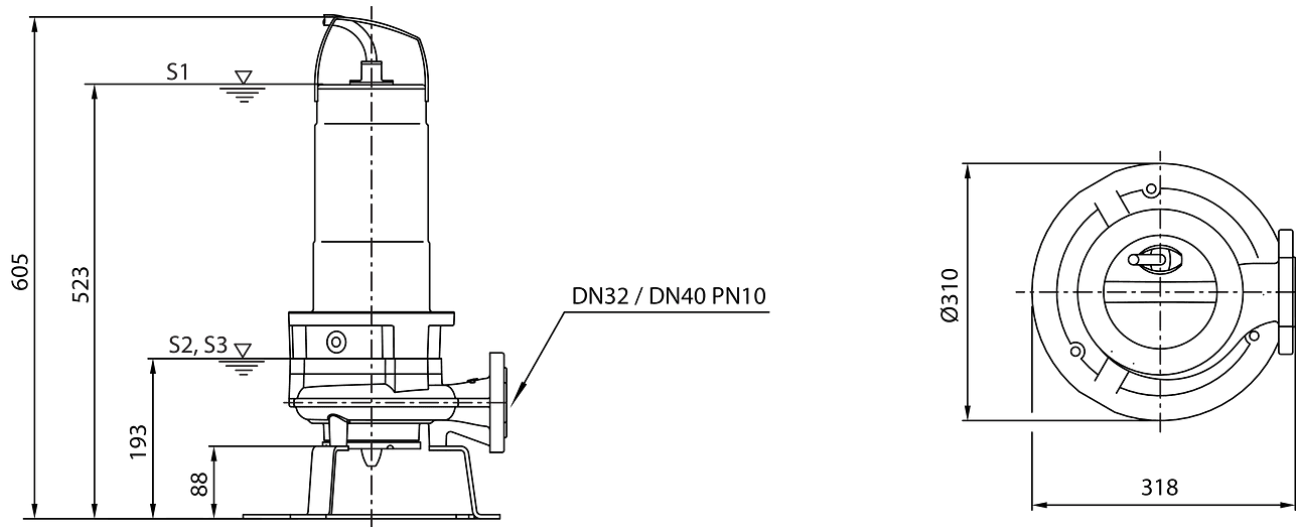
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

Wilo-Rexa CUT GI03.26../GI03.29../GI03.31.. - portable wet well installation





## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	29,5 m
Optimal delivery head $H_{opt}$	1595 kPa
Max. volume flow $Q$	18 m³/h
Optimal volume flow $Q_{opt}$	11,95 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	3,6 A
Starting current $I$	20 A
Rated speed $n$	2850 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

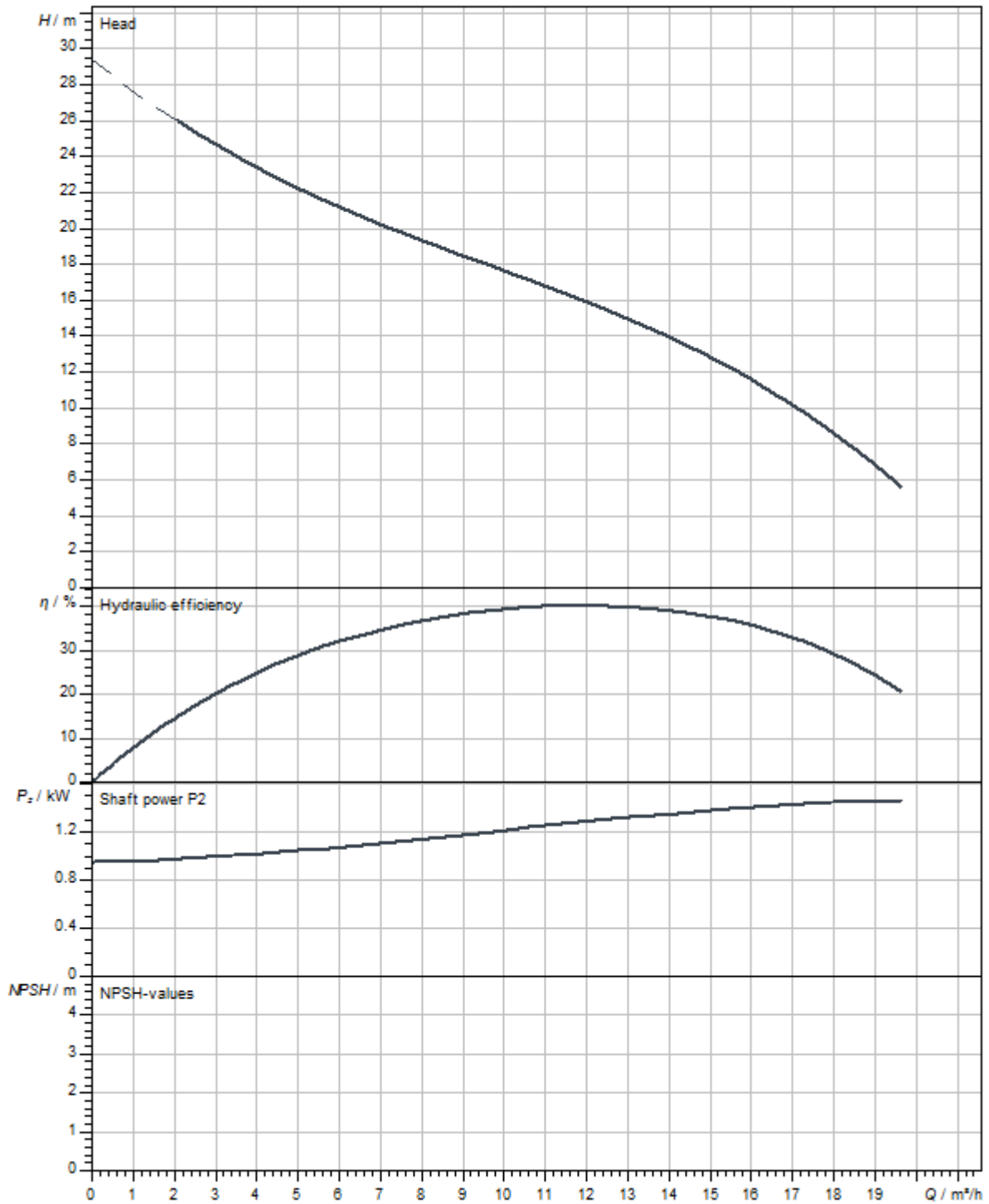
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

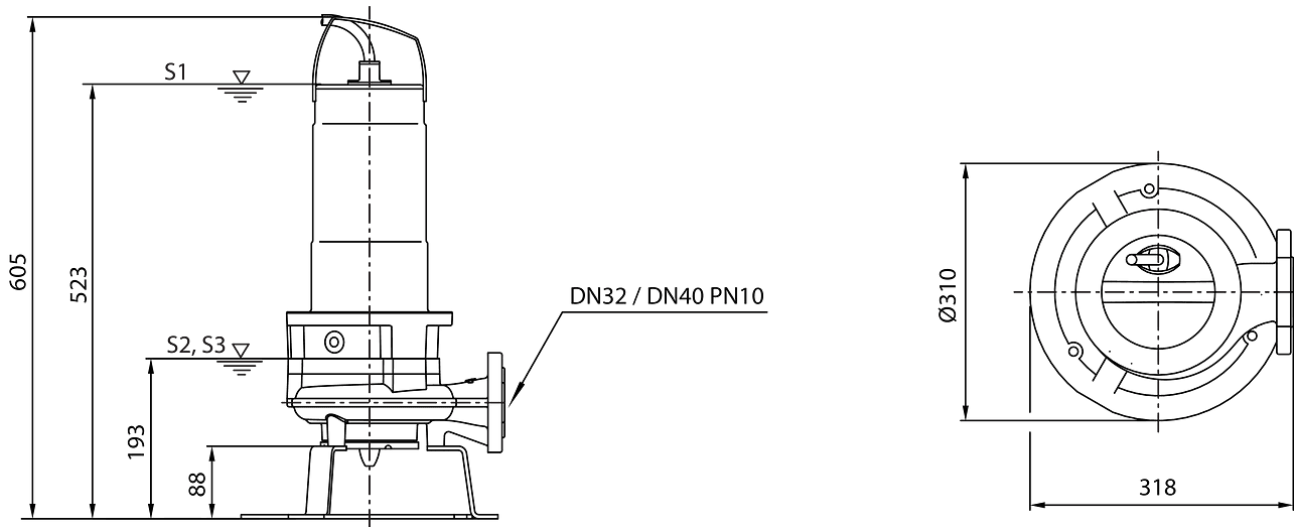
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

Wilo-Rexa CUT GI03.26../GI03.29../GI03.31.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	31 m
Optimal delivery head $H_{opt}$	1820 kPa
Max. volume flow $Q$	11 m³/h
Optimal volume flow $Q_{opt}$	11 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	3,6 A
Starting current $I$	20 A
Rated speed $n$	2850 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

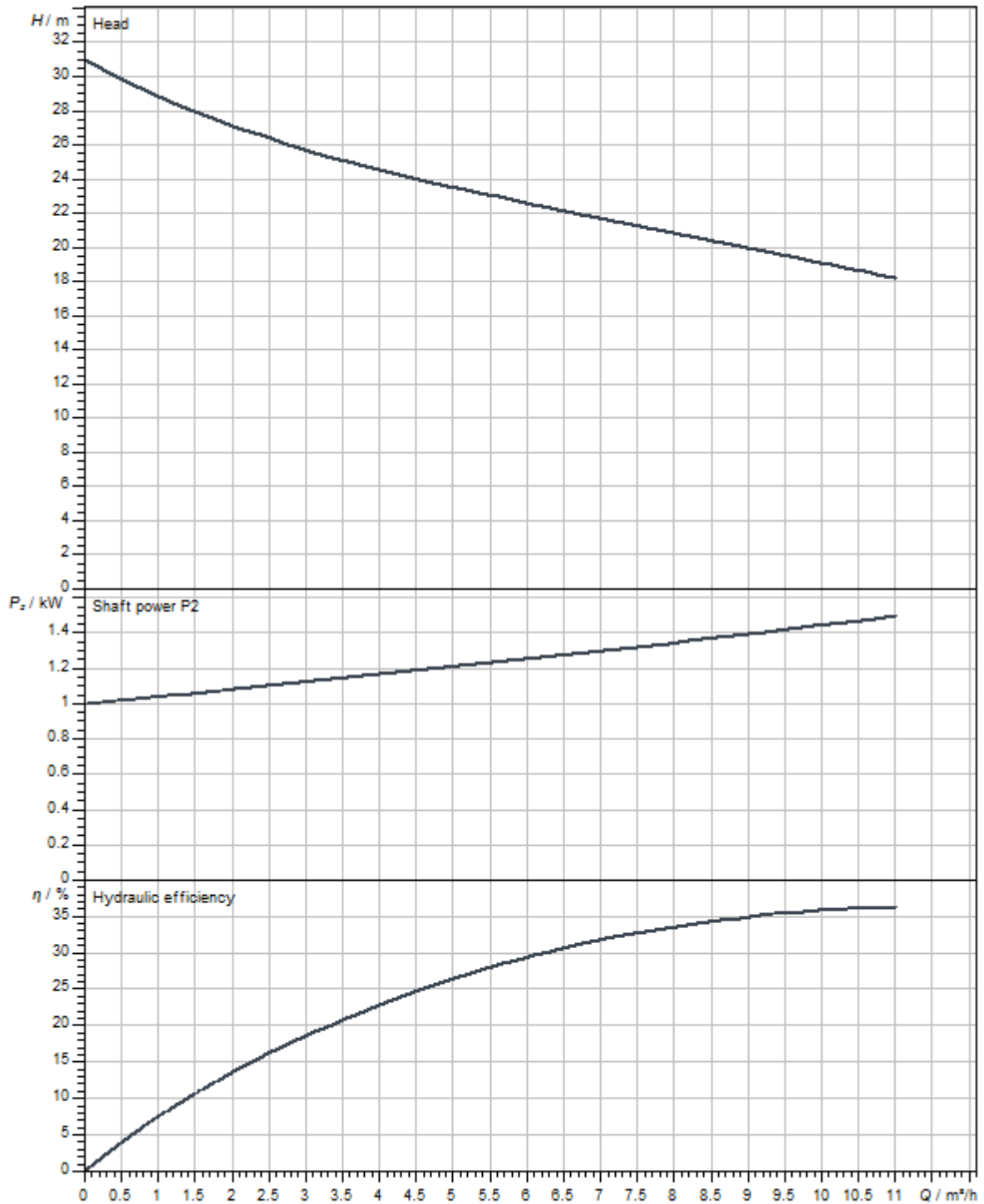
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

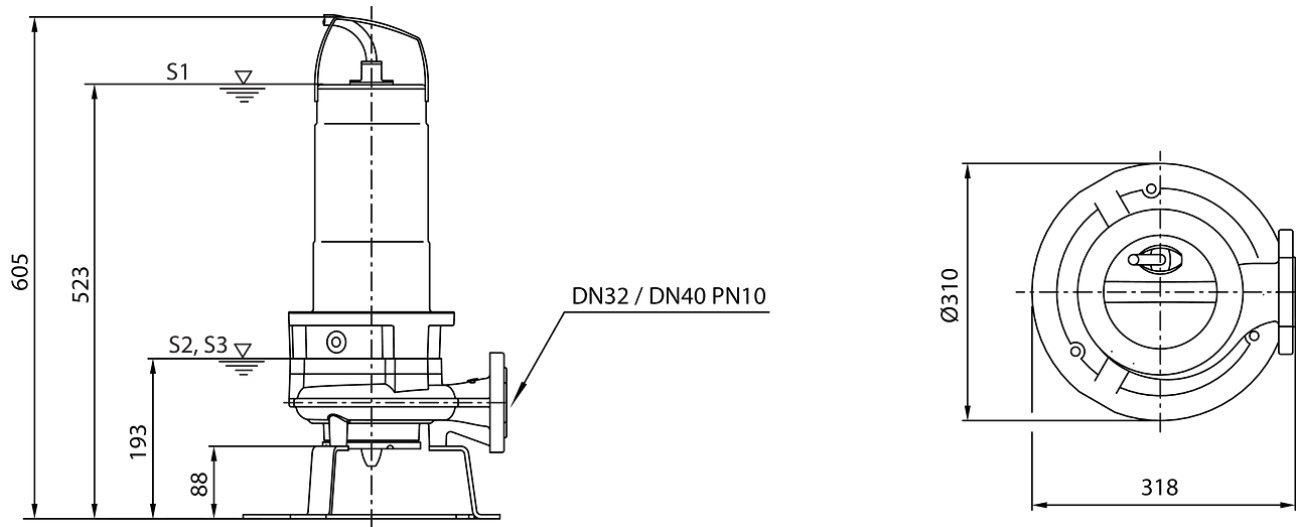
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



### Dimensions and dimensions drawings

Wilo-Rexa CUT GI03.26../GI03.29../GI03.31.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	5 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	41 m
Optimal delivery head $H_{opt}$	2665 kPa
Max. volume flow $Q$	16 m³/h
Optimal volume flow $Q_{opt}$	12,42 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	2,5 kW
Power consumption $P_{1 max}$	3200 W
Rated current $I_N$	5,5 A
Starting current $I$	31 A
Rated speed $n$	2848 1/min
Power factor $\cos \varphi$	0,84
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor – air-cooled
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	6G1 mm²
Mains plug	no
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

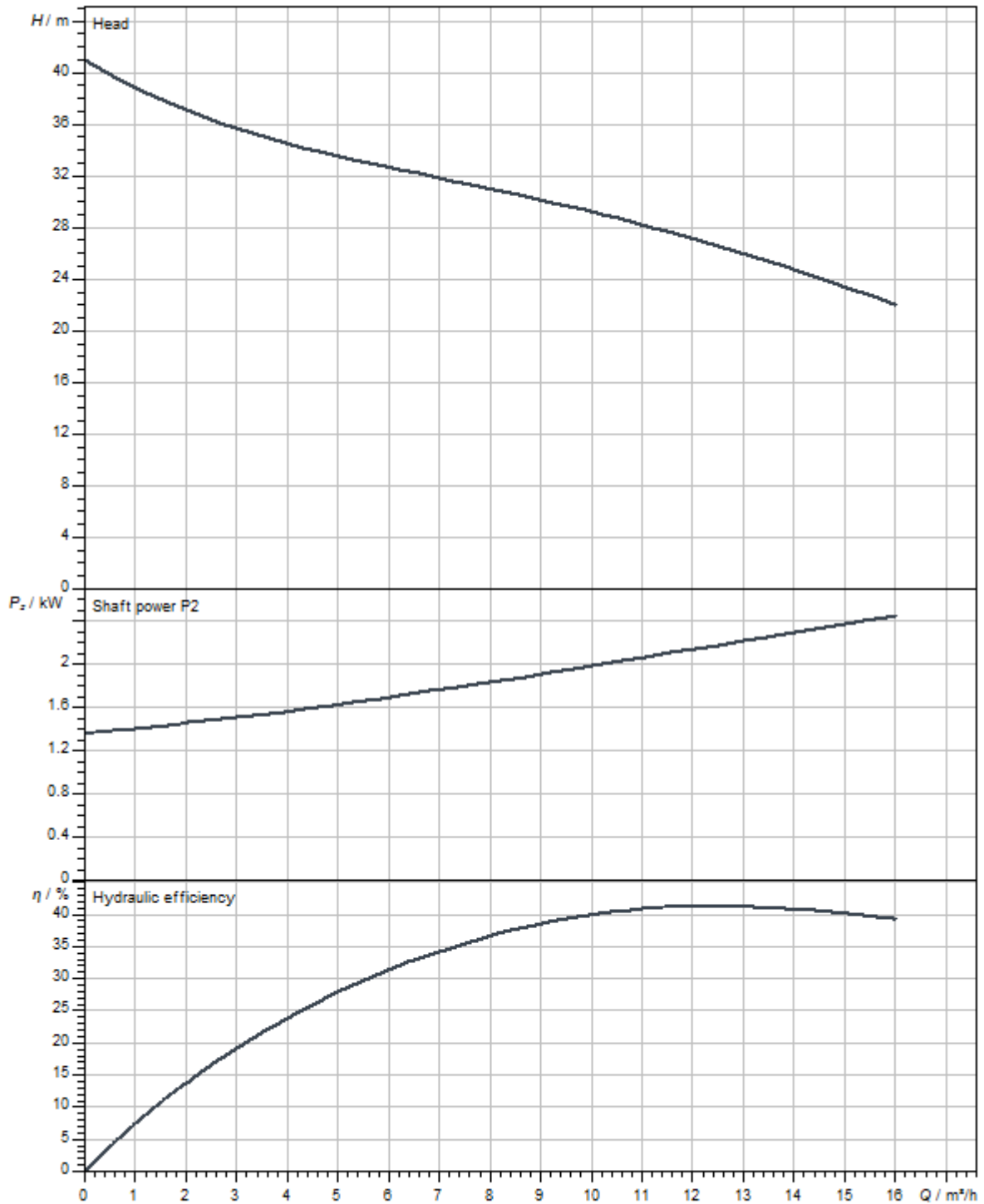
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

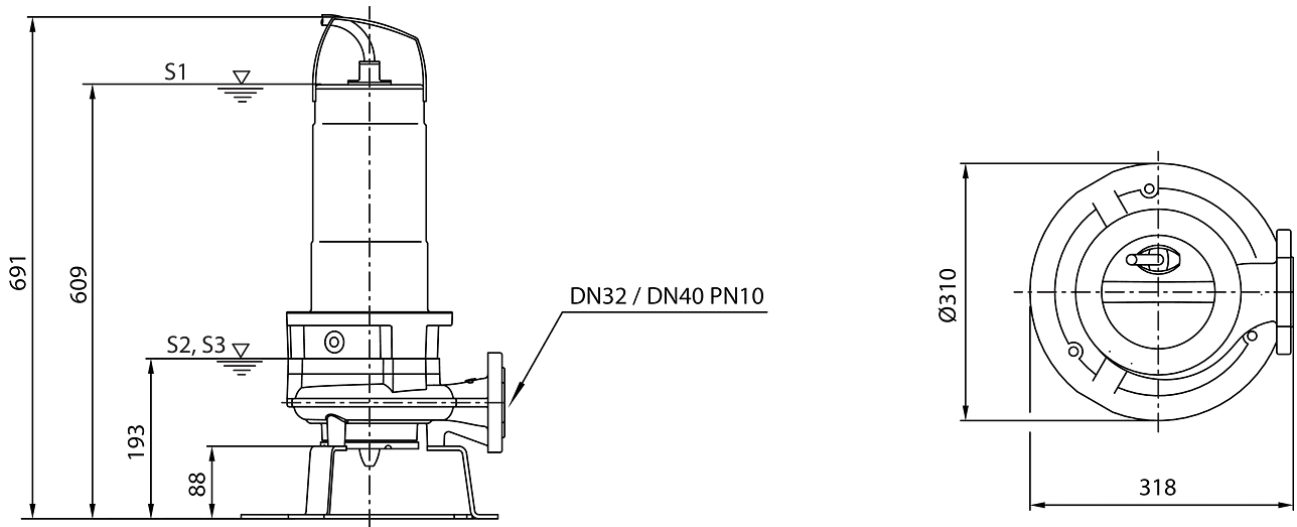
Pump curves





### Dimensions and dimensions drawings

#### Wilo-Rexa CUT GI03.41.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	26,5 m
Optimal delivery head $H_{opt}$	1252 kPa
Max. volume flow $Q$	19,5 m³/h
Optimal volume flow $Q_{opt}$	11,88 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	9,3 A
Starting current $I$	29 A
Rated speed $n$	2852 1/min
Power factor $\cos \varphi$	0,98
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor acc. IEC 60034-1
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Mains plug	Schuko
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

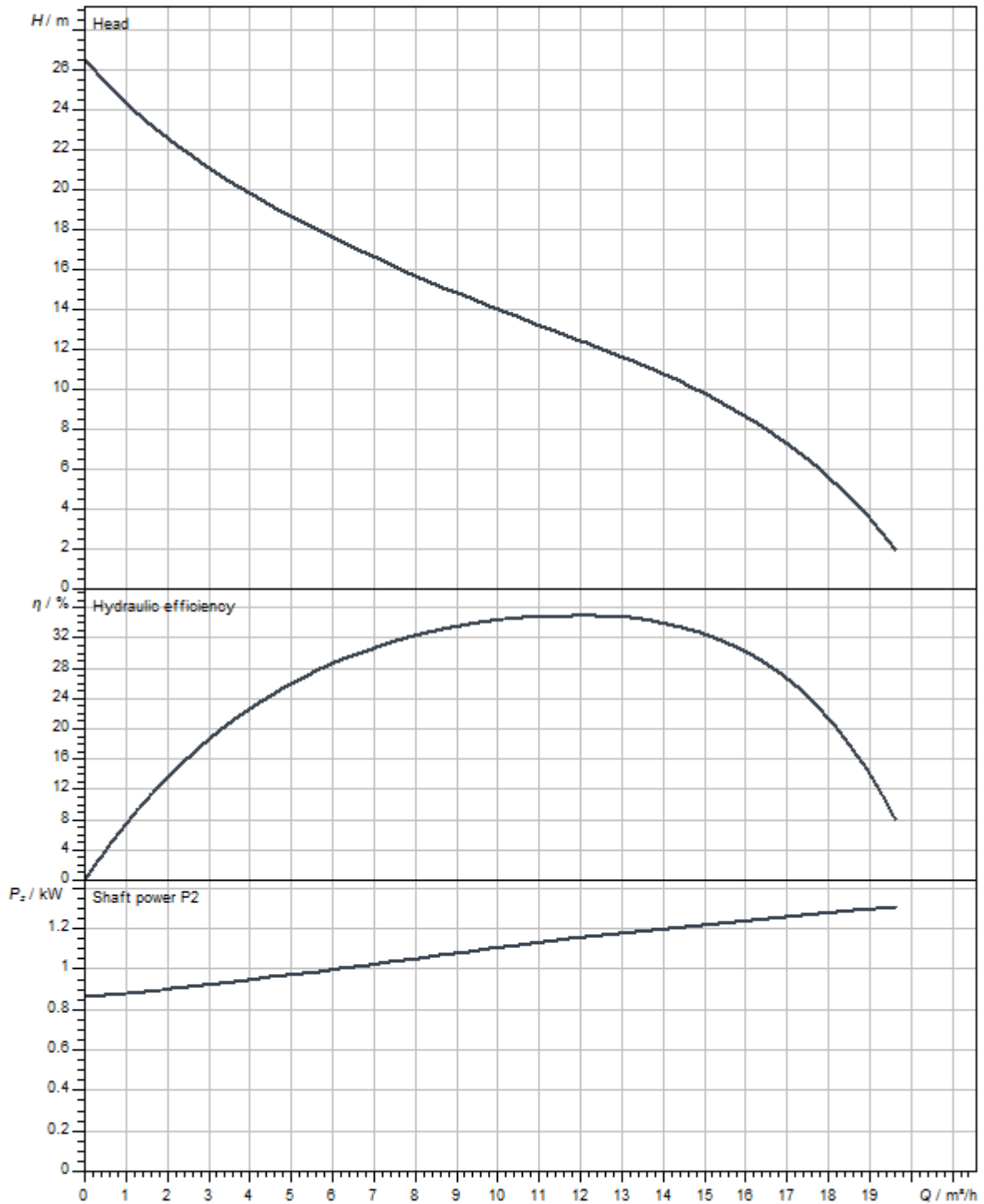
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

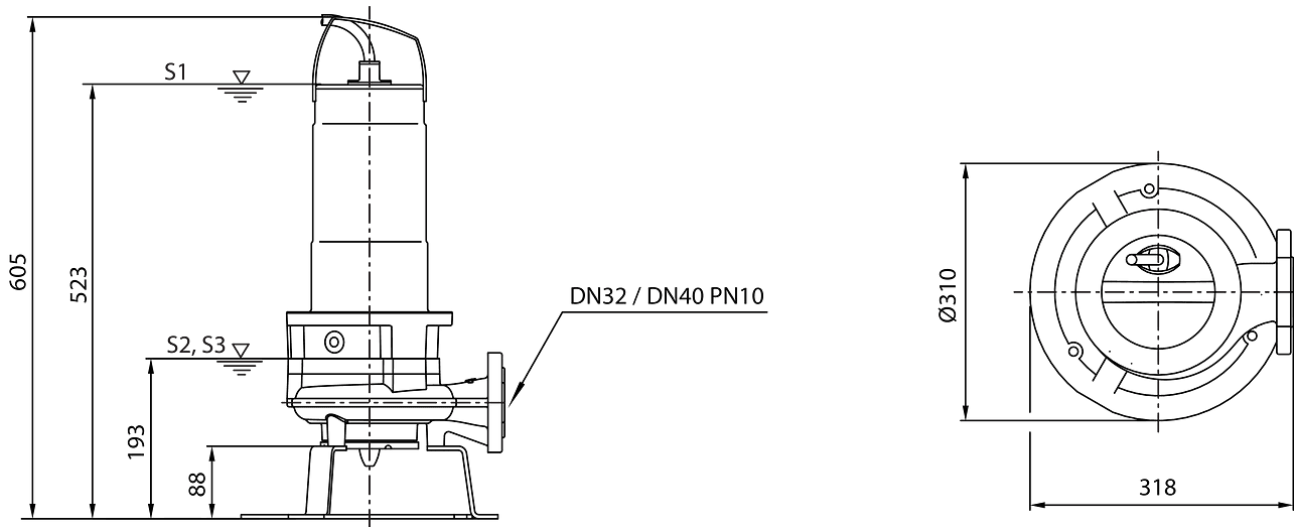
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa CUT GI03.26../GI03.29../GI03.31.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	29,5 m
Optimal delivery head $H_{opt}$	1595 kPa
Max. volume flow $Q$	18 m³/h
Optimal volume flow $Q_{opt}$	11,95 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	9,3 A
Starting current $I$	29 A
Rated speed $n$	2852 1/min
Power factor $\cos \varphi$	0,98
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor acc. IEC 60034-1
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Mains plug	Schuko
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

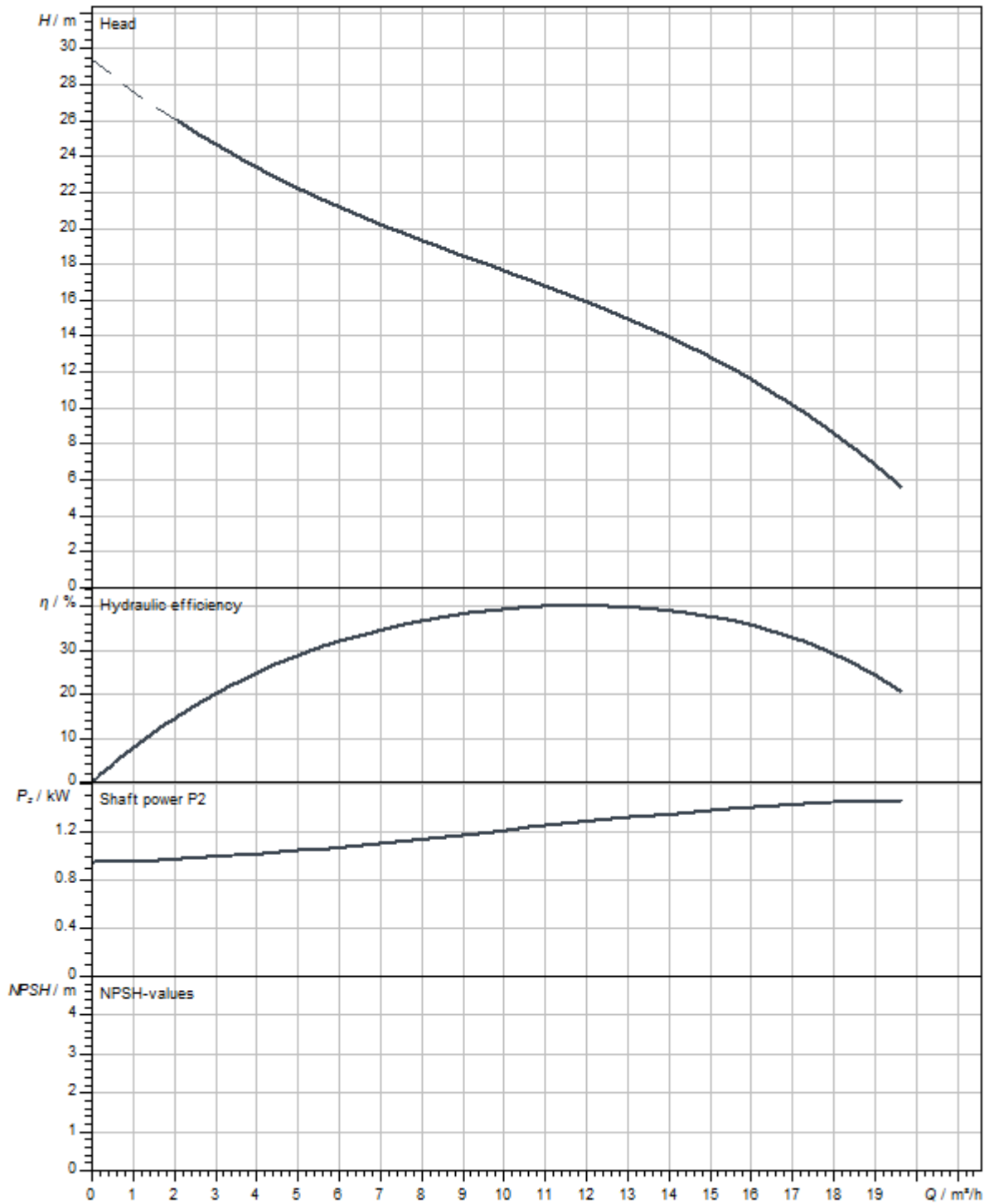
### Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

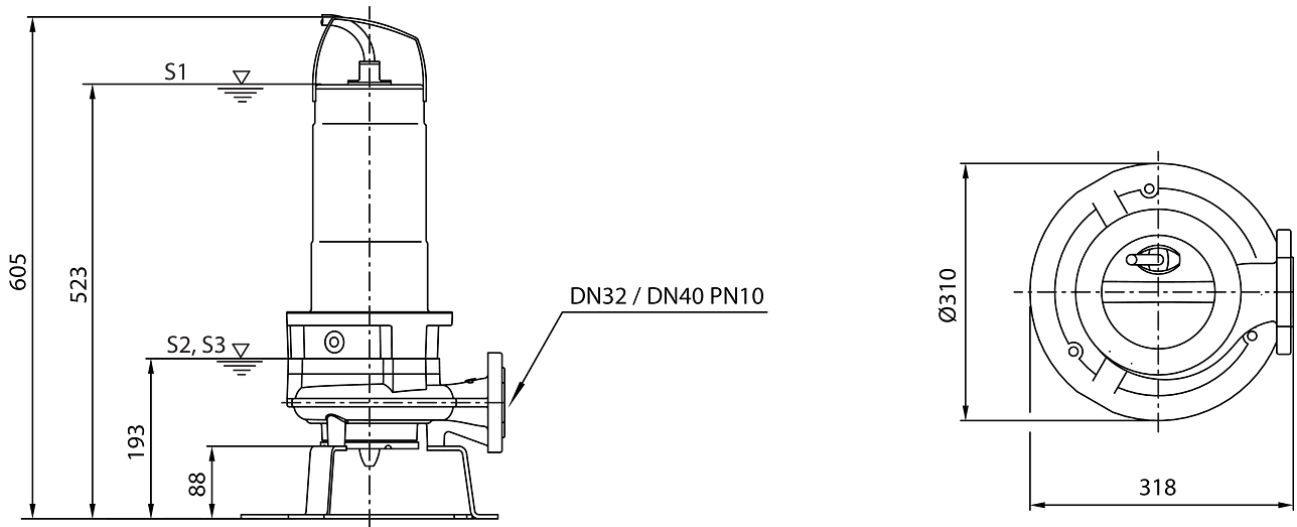
Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa CUT GI03.26../GI03.29../GI03.31.. - portable wet well installation



## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	3 bar
Pressure port	DN 32/40, Rp 1¼
Impeller type	Single-channel impeller with macerator
Max. immersion depth	20 m
Max. delivery head $H$	31 m
Optimal delivery head $H_{opt}$	1820 kPa
Max. volume flow $Q$	11 m³/h
Optimal volume flow $Q_{opt}$	11 m³/h
Min. fluid temperature $T_{min}$	3 °C
Max. fluid temperature $T_{max}$	40 °C
Min. ambient temperature $T_{min}$	3 °C
Max. ambient temperature $T_{max}$	40 °C

### Motor data

Mains connection	1~230 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Power consumption $P_{1 max}$	2100 W
Rated current $I_N$	9,3 A
Starting current $I$	29 A
Rated speed $n$	2852 1/min
Power factor $\cos \varphi$	0,98
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency $t$	60 1/h
Insulation class	F
Protection class motor	IP68
Motor design	Submersible motor acc. IEC 60034-1
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min

### Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Mains plug	Schuko
Type of connection cable	Detachable

### Equipment/function

Float switch	no
Macerator	yes
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	optional
Leakage chamber, leakage detection	no

### Materials

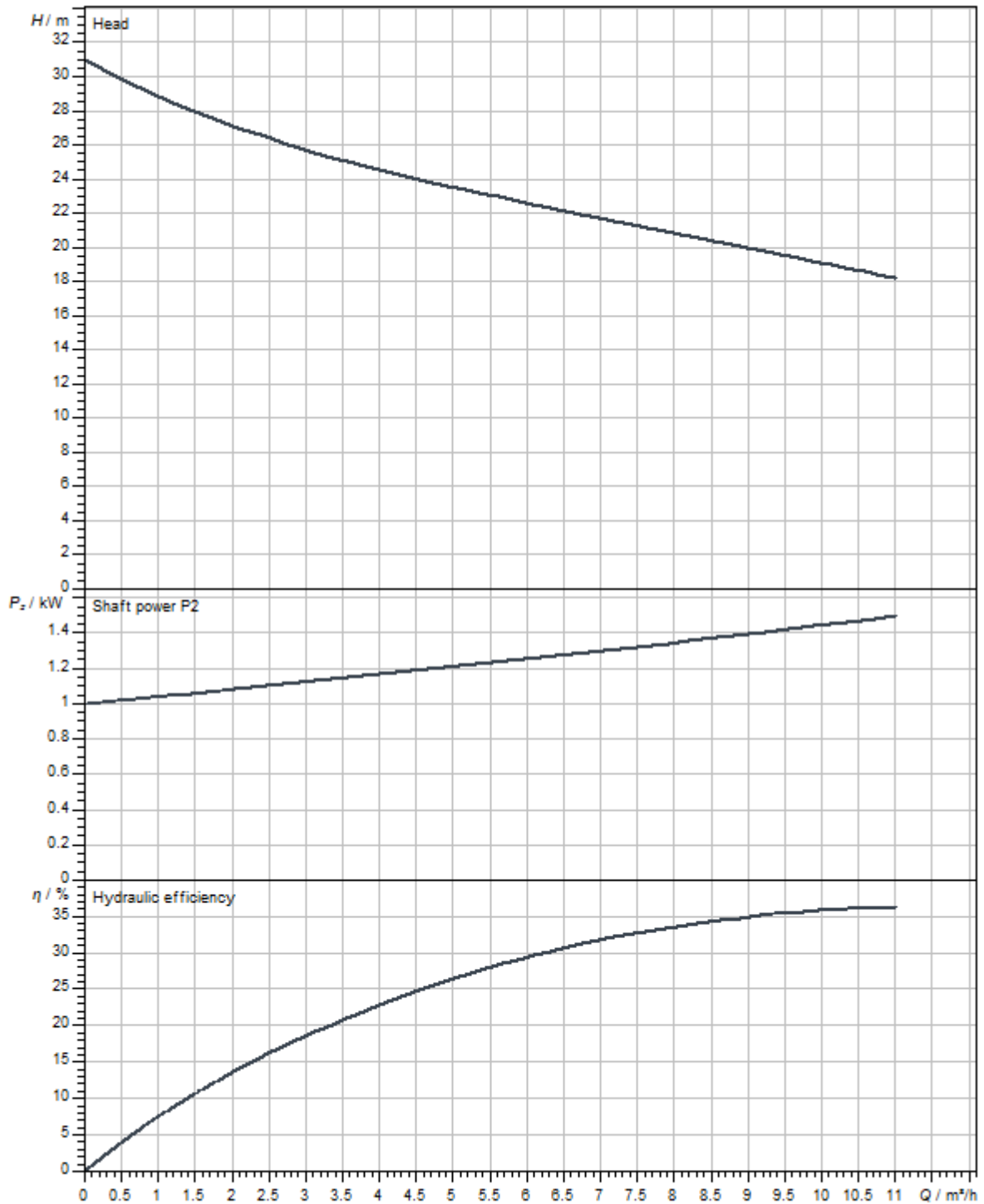
Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Sealing on pump side	QQPGG
Sealing on motor side	BXPFF
Gasket material	NBR
Motor housing	Stainless steel

### Installation dimensions

Pipe connection on the suction side $DNs$	-
Pipe connection on the pressure side $DNd$	DN 32/40, Rp 1¼



Pump curves



Dimensions and dimensions drawings

Wilo-Rexa CUT GI03.26../GI03.29../GI03.31.. - portable wet well installation

