

Construction

Submersible sewage pump for intermittent operation for stationary and portable wet well installation.

Application

Pumping of

- > Sewage not containing faeces
- > Wastewater

Note: Sewage containing faeces can be pumped when the pump is installed in the DrainLift WS 50 pump chamber. The system has been approved in accordance with EN 12050-1.

Equipment/function

- > Connection cable with
 - > Plug (version P)
 - > Plug and float switch (version A)
 - > Bare cable end (3~)
- > Self-switching thermal motor monitoring

Scope of delivery

Pump with connection cable and

- >> Plug (version P)
 - > Plug and float switch (version A)
 - > Bare cable end (3~)

Installation and operating instructions

Type key

Example: **Wilox-Rexa MINI3-V04.11/M06-523/A-5M**

- Rexa** Submersible sewage pump
- MINI3** Series
- V** Vortex impeller
- 04** Nominal diameter of pressure connection G 1½
- 11** Max. delivery head in m
- M** Mains connection version:
M = 1~
T = 3~
- 06** Value/10 = motor power P2 in kW
- 5** Frequency (5 = 50 Hz, 6 = 60 Hz)
- 23** Rated voltage code
- Additional electrical equipment:
 - > Without = with bare cable end
 - > P = with plug
 - > A = with float switch and plug
- A**
- 5M** Connection cable length

Technical data

- > Mains connection: 1~ 230 V, 50 Hz or 3~ 400 V, 50 Hz
- > Submerged operating mode: S1
- > Non-immersed operating mode: S3 15%
- > Protection class: IP68
- > Insulation class: F
- > Fluid temperature: 3 ... 40 °C
- > Free ball passage: 40 mm

Materials

- > Pump housing: grey cast iron
- > Impeller: composite
- > Cover plate on suction port: stainless steel
- > Motor housing: stainless steel
- > Shaft: Stainless steel
- > Seal on the motor side: NBR
- > Seal on the fluid side: SiC/SiC
- > Static seal: NBR

Description/construction

Submersible sewage pump as submersible monobloc unit for portable wet well installation in intermittent operation.

Hydraulics

Pump with vortex impeller and a free ball passage of 40 mm. Pressure connection as a vertical threaded connection.

Motor

Surface-cooled motor in single-phase version (with built-in operating capacitor) and three-phase current version for the direct starting. 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 intermittent operation (S3).

The motor is equipped with automatic thermal motor monitoring. This means that the motor is switched off if it overheats and is automatically switched on again once it has cooled down.

The connection cable has a length of 5 m or 10 m and is available in the following versions:

- > With bare cable ends
- > With plug
- > With float switch and plug

Seal

The seal is created on the fluid side by a mechanical seal, and on the motor side by a rotary shaft seal. A sealing chamber with a white-oil filling is located between the gaskets.

Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	9,0 m
Max. volume flow Q_{\max}	19,0 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	0,5 kW
Power consumption $P_{1 \max}$	0,73 kW
Rated current I_N	3,3 A
Starting current I	7,2 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

Mains plug	Schuko
Float switch	no
Macerator	no
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	no
Leakage chamber, leakage detection	no

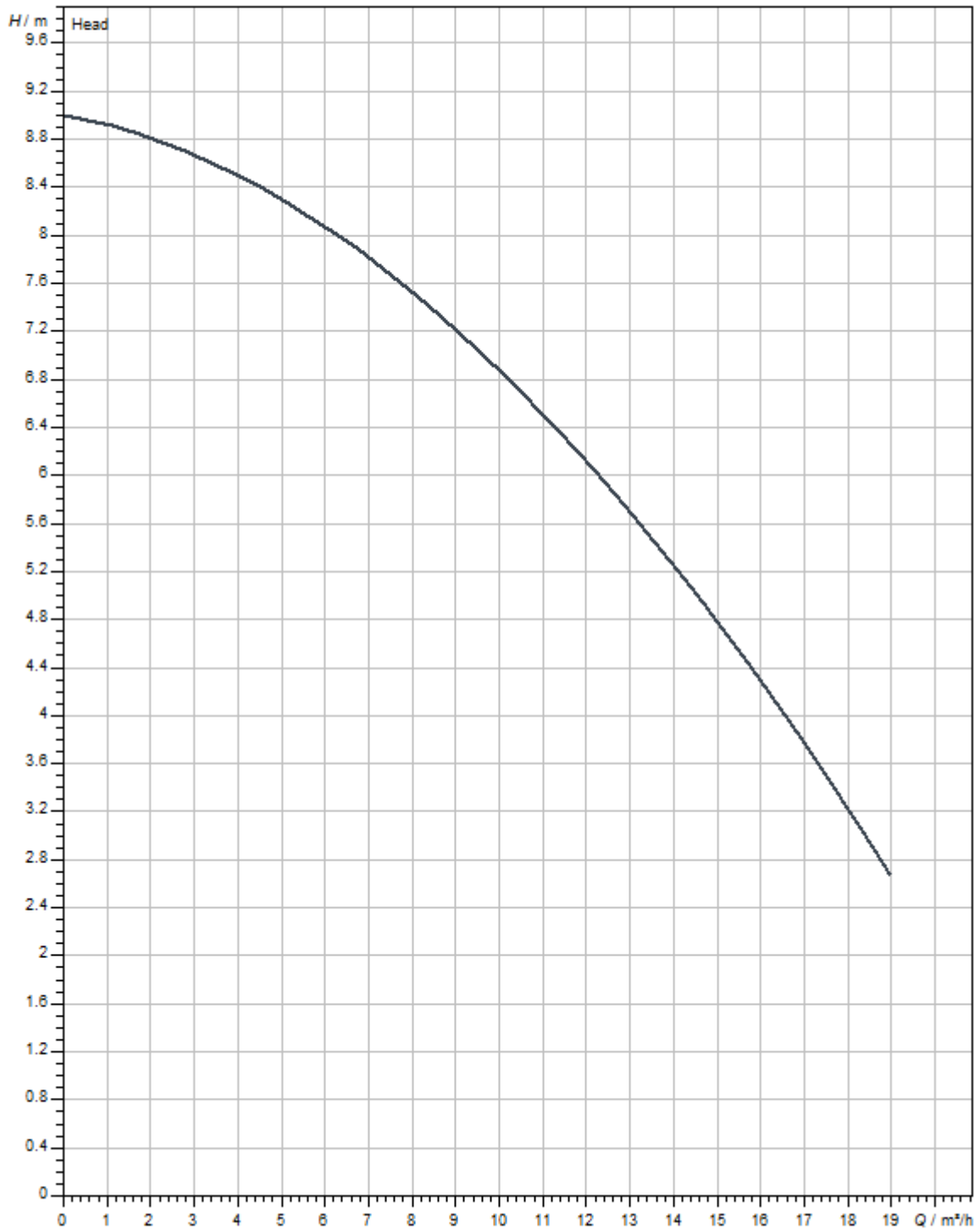
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

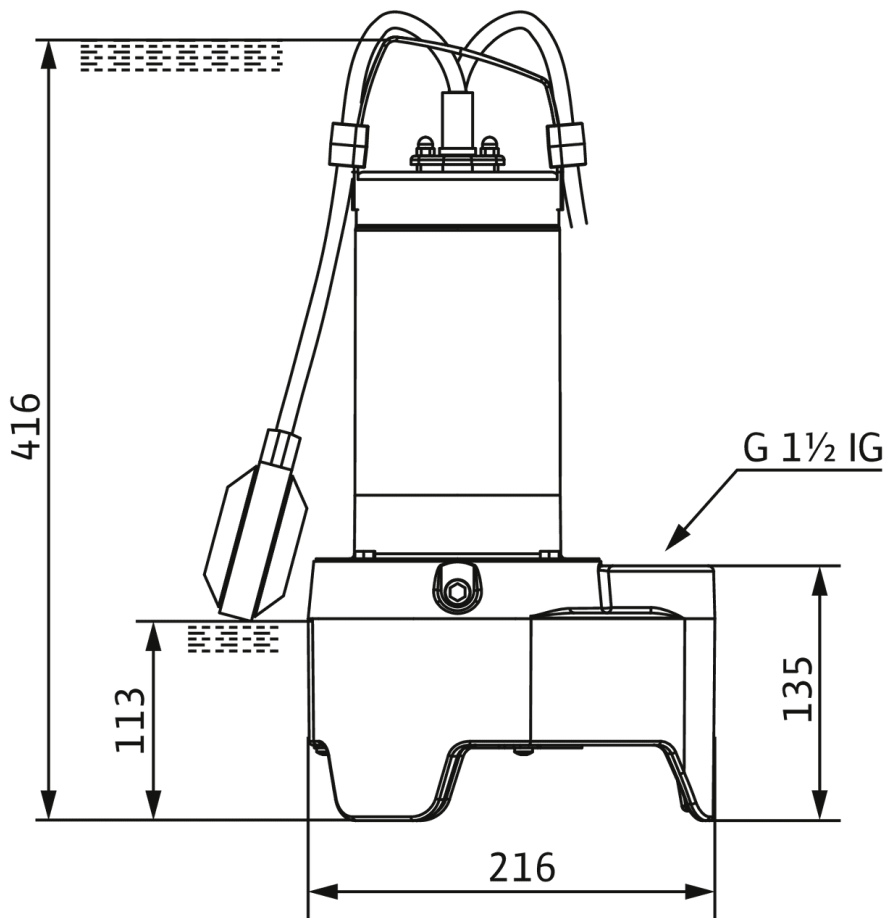
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	9,0 m
Max. volume flow Q_{\max}	19,0 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	0,5 kW
Power consumption $P_{1\max}$	0,73 kW
Rated current I_N	3,3 A
Starting current I	7,2 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

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

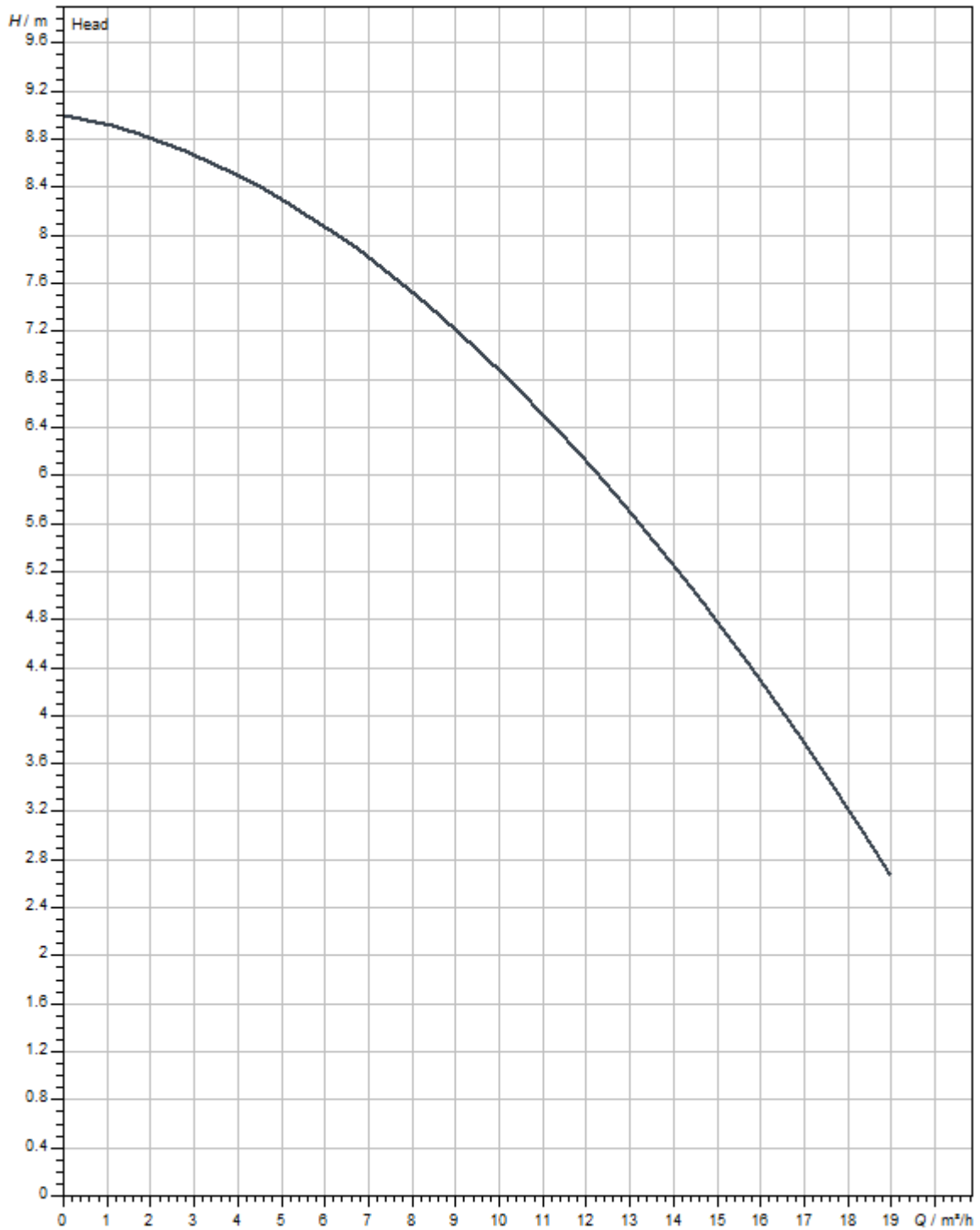
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

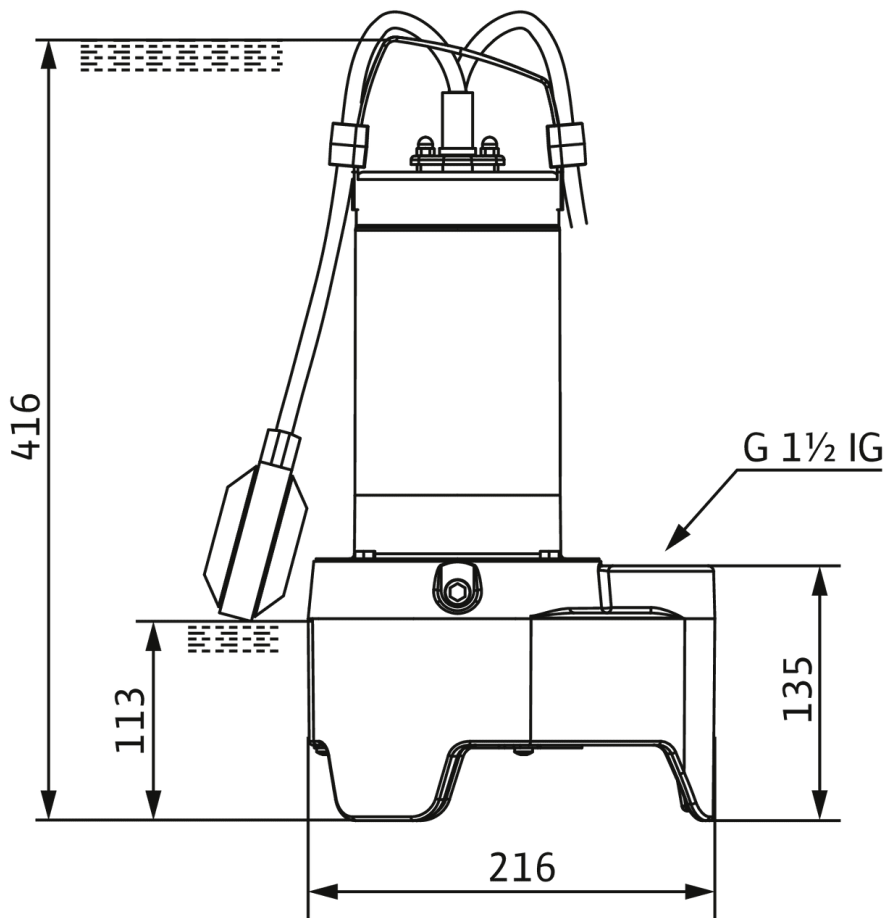
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	9,0 m
Max. volume flow Q_{\max}	19,1 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	0,5 kW
Power consumption $P_{1 \max}$	0,66 kW
Rated current I_N	1,3 A
Starting current I	5,4 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,80
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	4G1 mm²
Type of connection cable	Detachable

Equipment/function

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

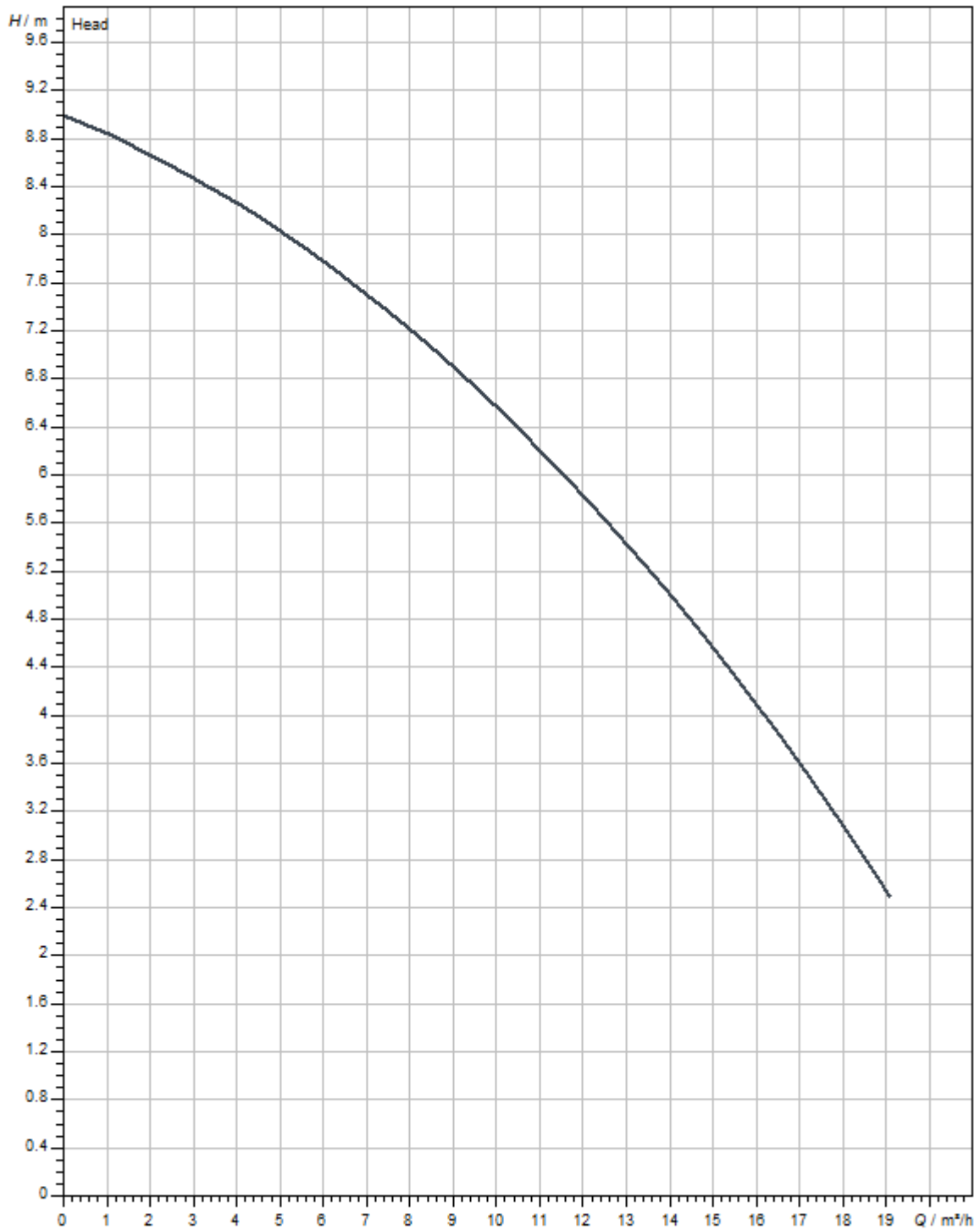
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

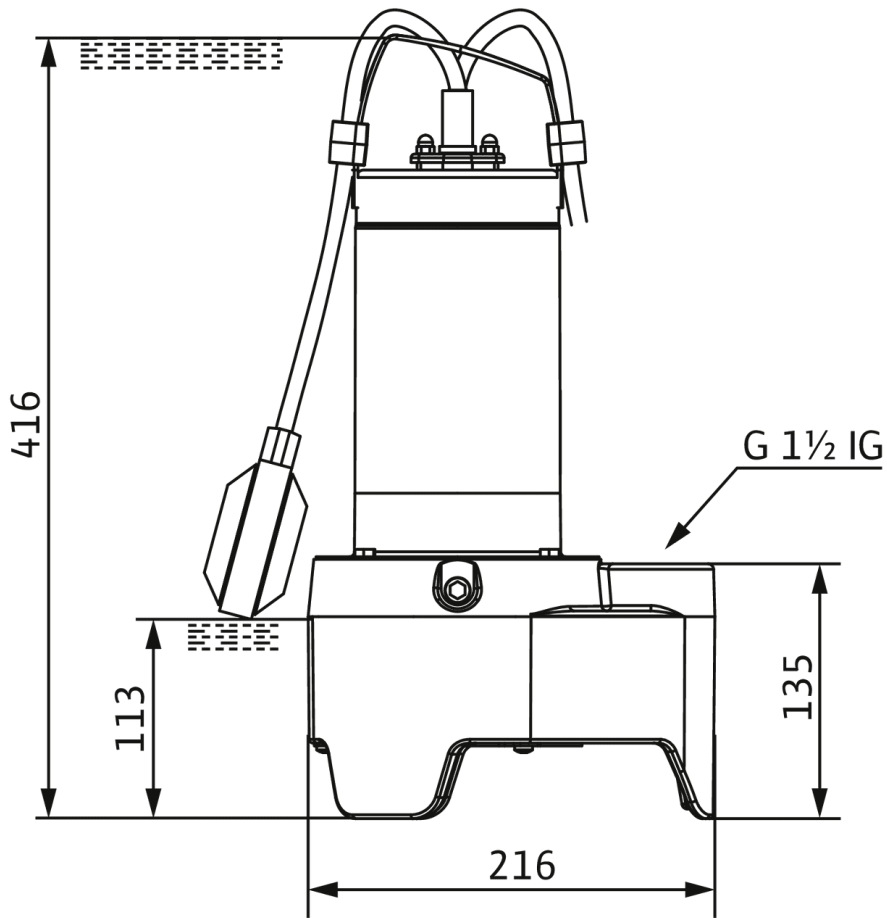
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	11,0 m
Max. volume flow Q_{\max}	21,0 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	0,6 kW
Power consumption $P_{1\max}$	0,93 kW
Rated current I_N	4,1 A
Starting current I	9,5 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

Mains plug	Schuko
Float switch	no
Macerator	no
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	no
Leakage chamber, leakage detection	no

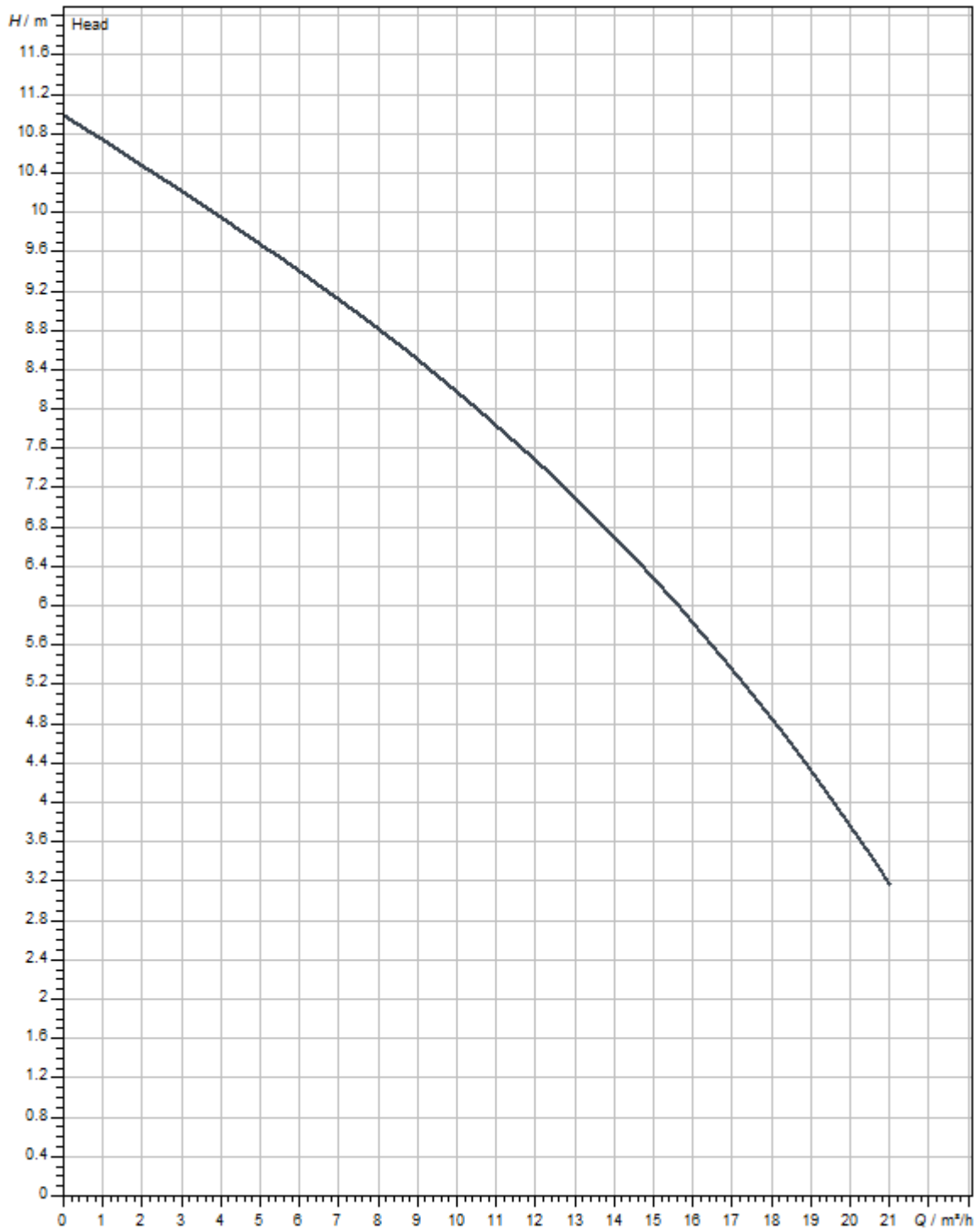
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

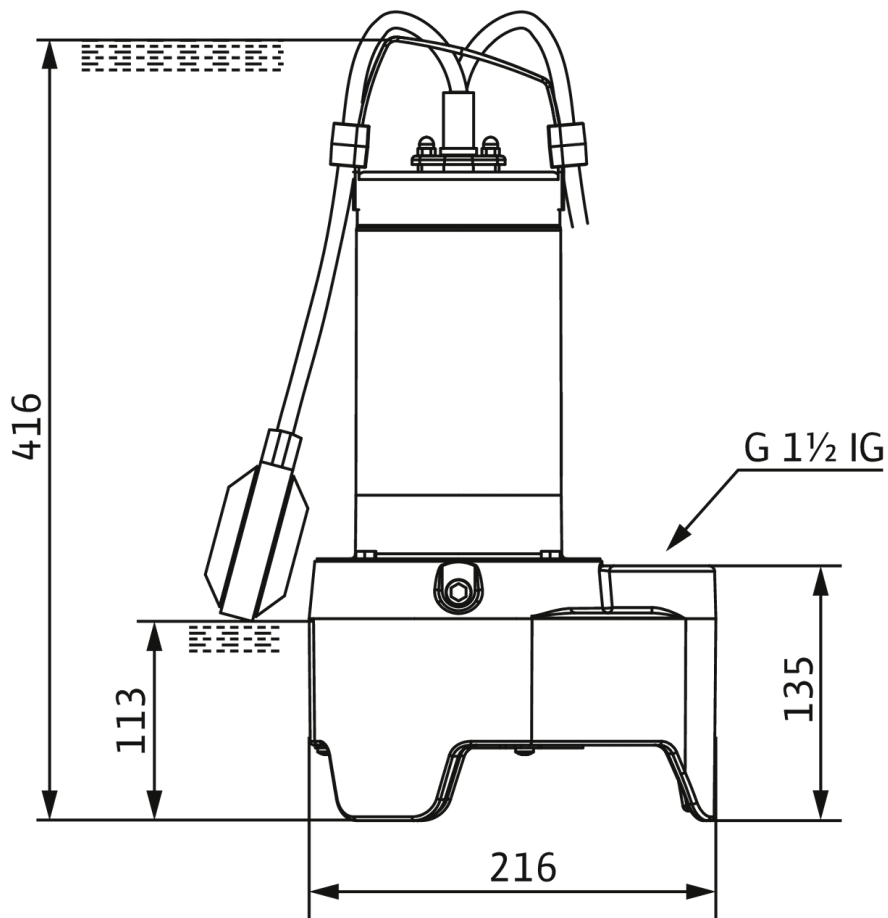
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	11,0 m
Max. volume flow Q_{\max}	21,0 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	0,6 kW
Power consumption $P_{1 \max}$	0,93 kW
Rated current I_N	4,1 A
Starting current I	9,5 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

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

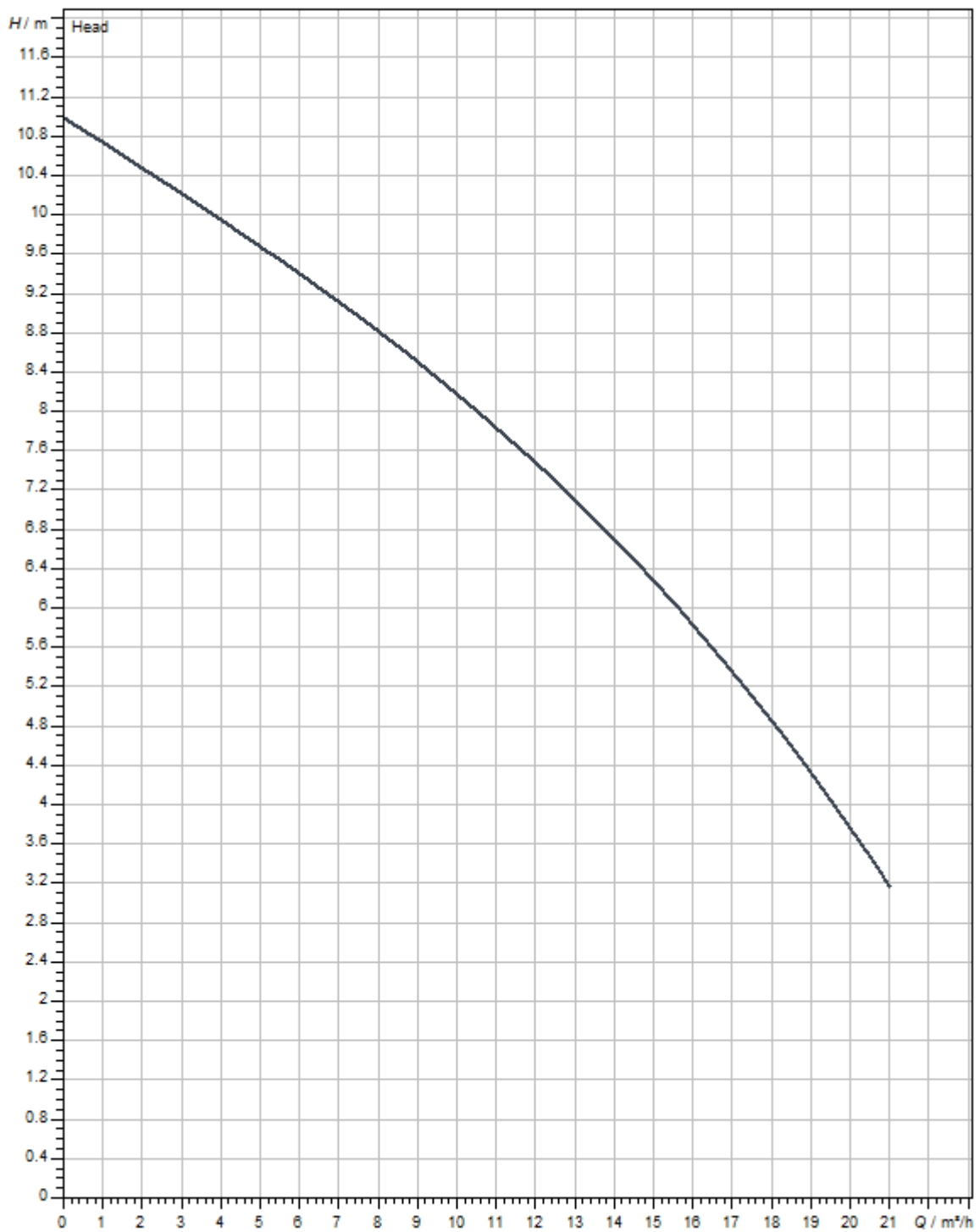
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

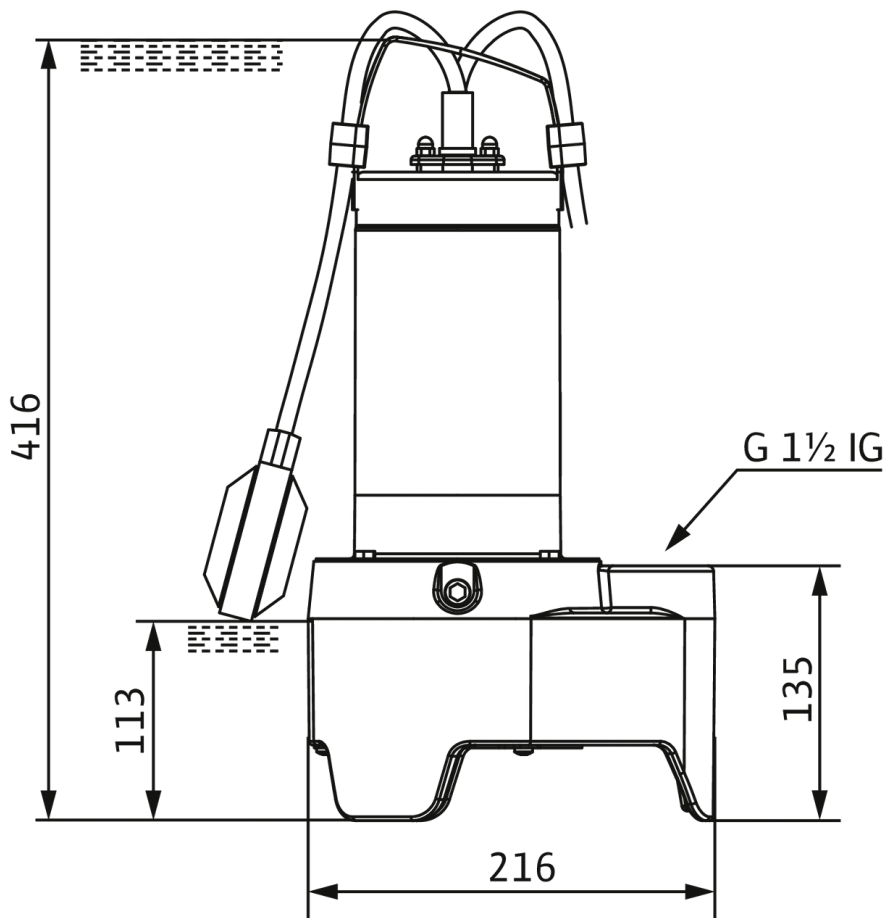
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	11,0 m
Max. volume flow Q_{\max}	20,9 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	0,6 kW
Power consumption $P_{1 \max}$	0,83 kW
Rated current I_N	1,6 A
Starting current I	7,6 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,77
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	4G1 mm²
Type of connection cable	Detachable

Equipment/function

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

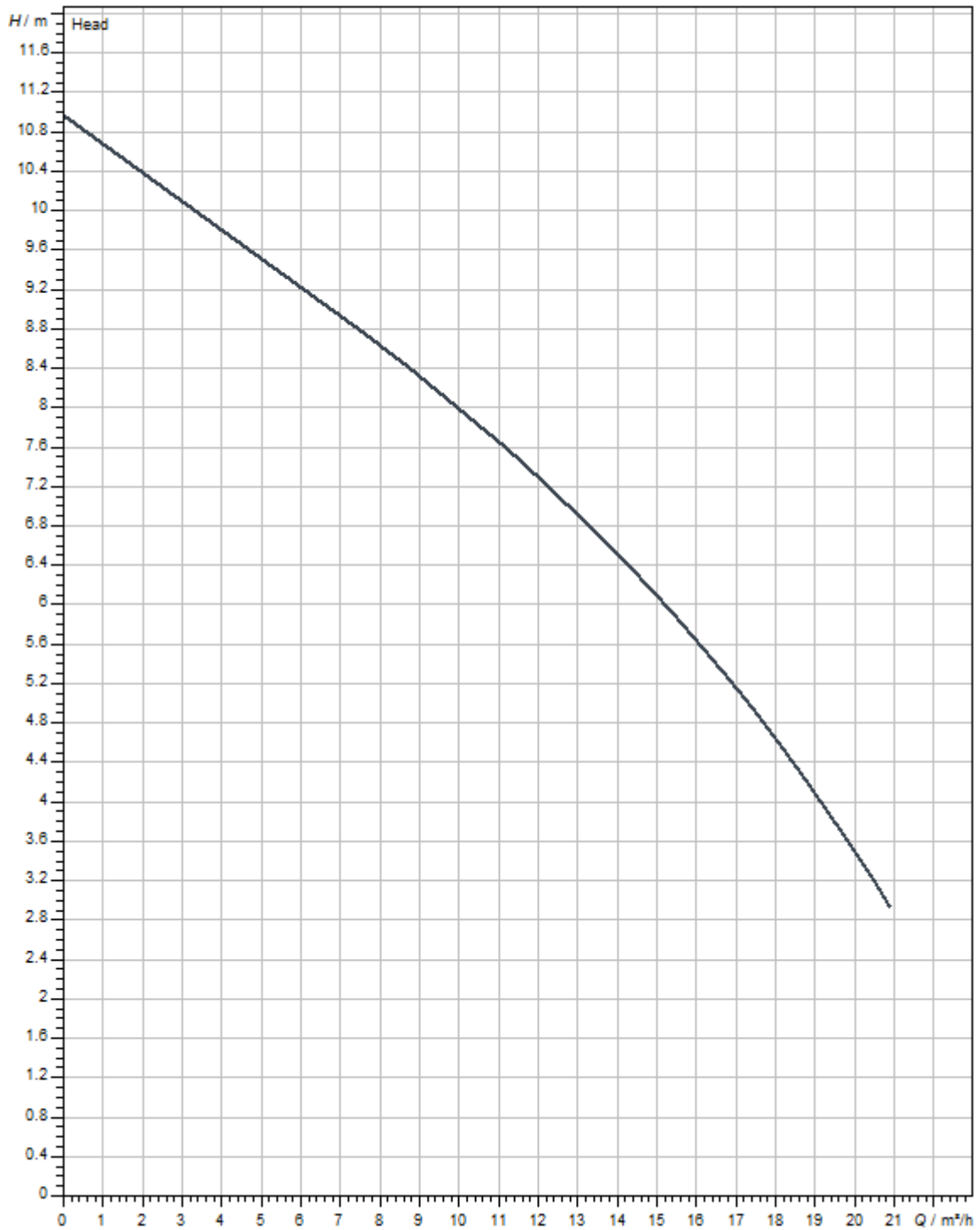
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

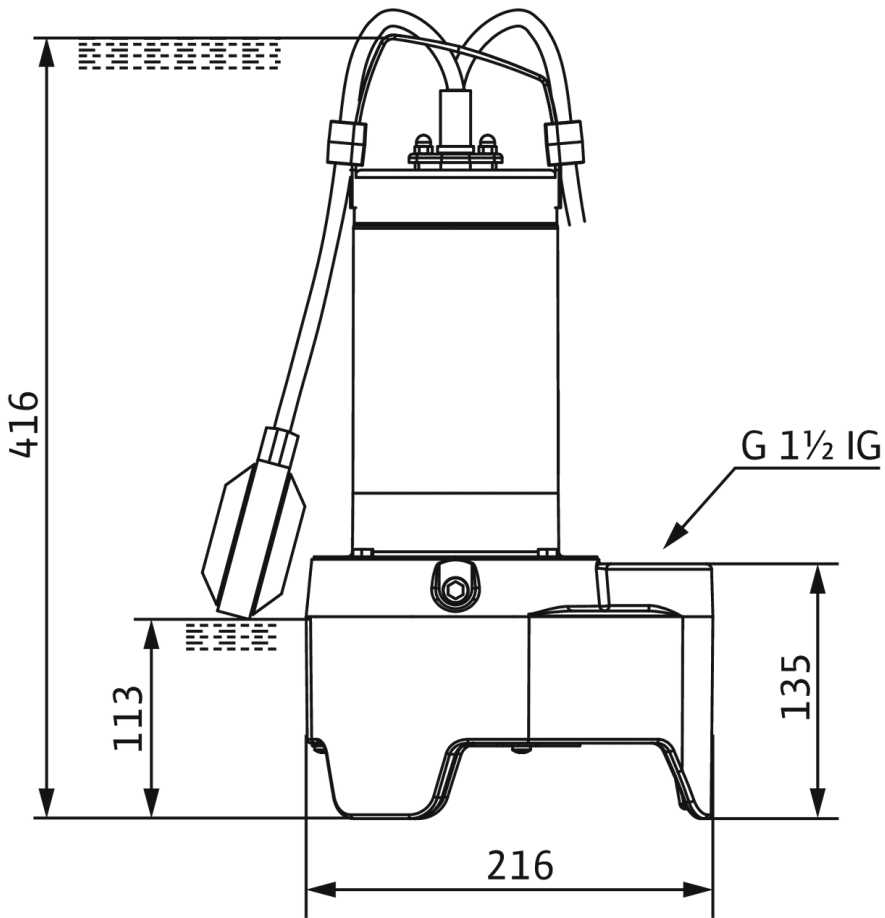
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	2 m
Max. delivery head H_{\max}	13,0 m
Max. volume flow Q_{\max}	22,1 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	0,75 kW
Power consumption $P_{1\max}$	1,03 kW
Rated current I_N	4,7 A
Starting current I	14,2 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,94
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	5 m
Cable type	H07RN-F
Cable cross-section	3G1 mm²
Type of connection cable	Detachable

Equipment/function

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

Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

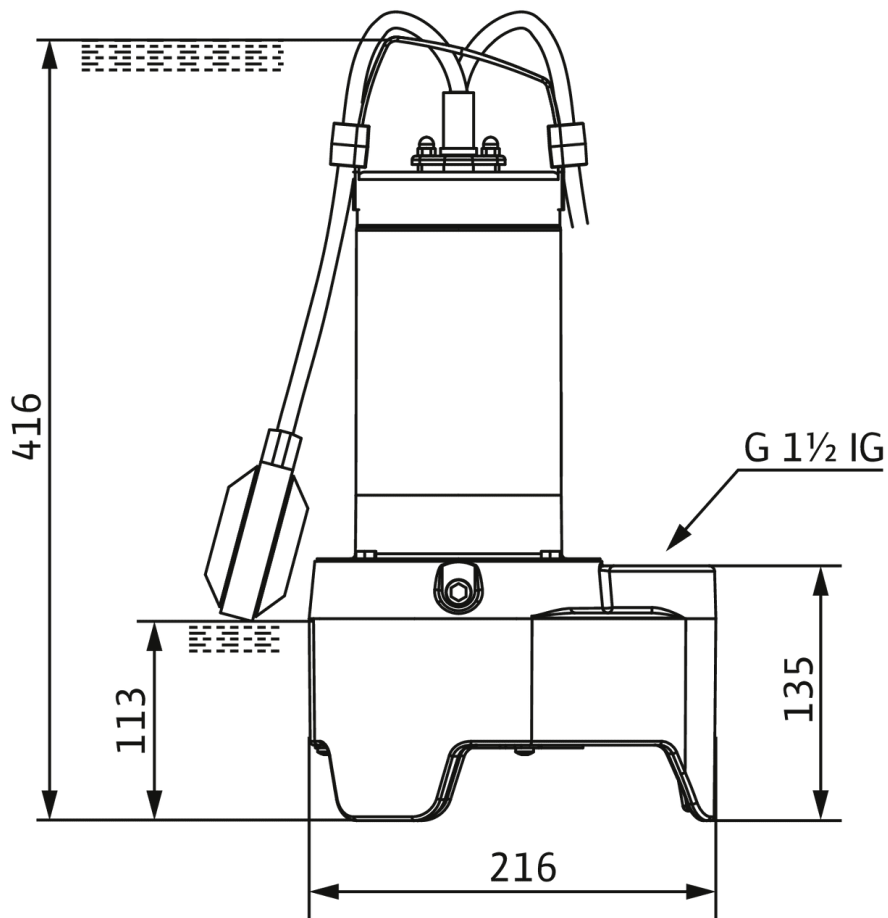
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	7 m
Max. delivery head H_{\max}	9,0 m
Max. volume flow Q_{\max}	19,0 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	0,5 kW
Power consumption $P_{1\max}$	0,73 kW
Rated current I_N	3,3 A
Starting current I	7,2 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

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

Equipment/function

Mains plug	Schuko
Float switch	no
Macerator	no
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	no
Leakage chamber, leakage detection	no

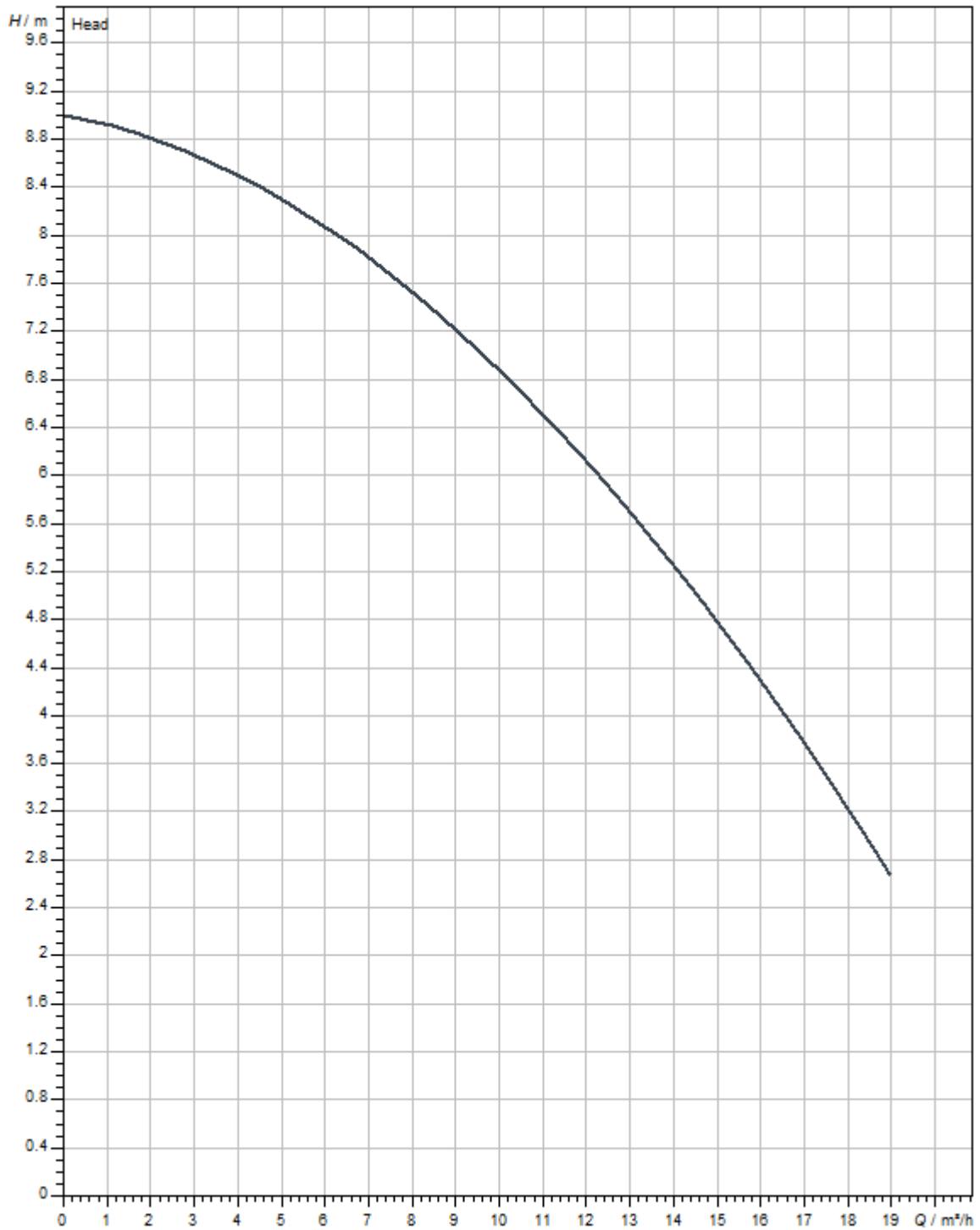
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

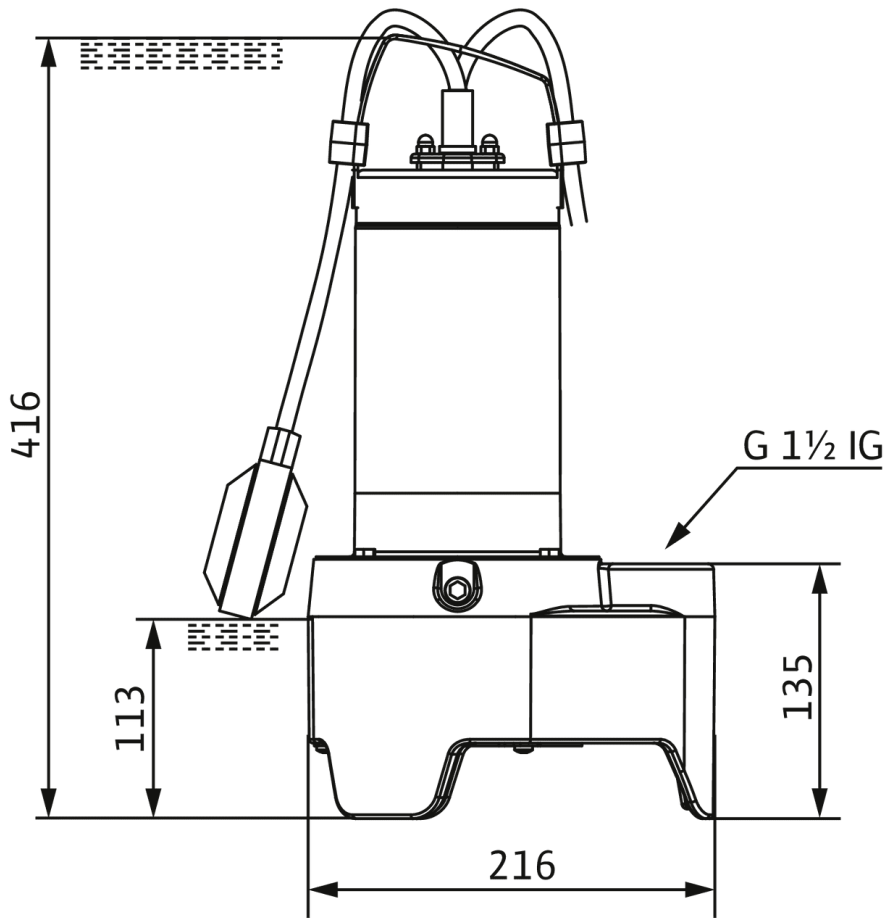
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	7 m
Max. delivery head H_{\max}	9,0 m
Max. volume flow Q_{\max}	19,0 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	0,5 kW
Power consumption $P_{1 \max}$	0,73 kW
Rated current I_N	3,3 A
Starting current I	7,2 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

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

Equipment/function

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

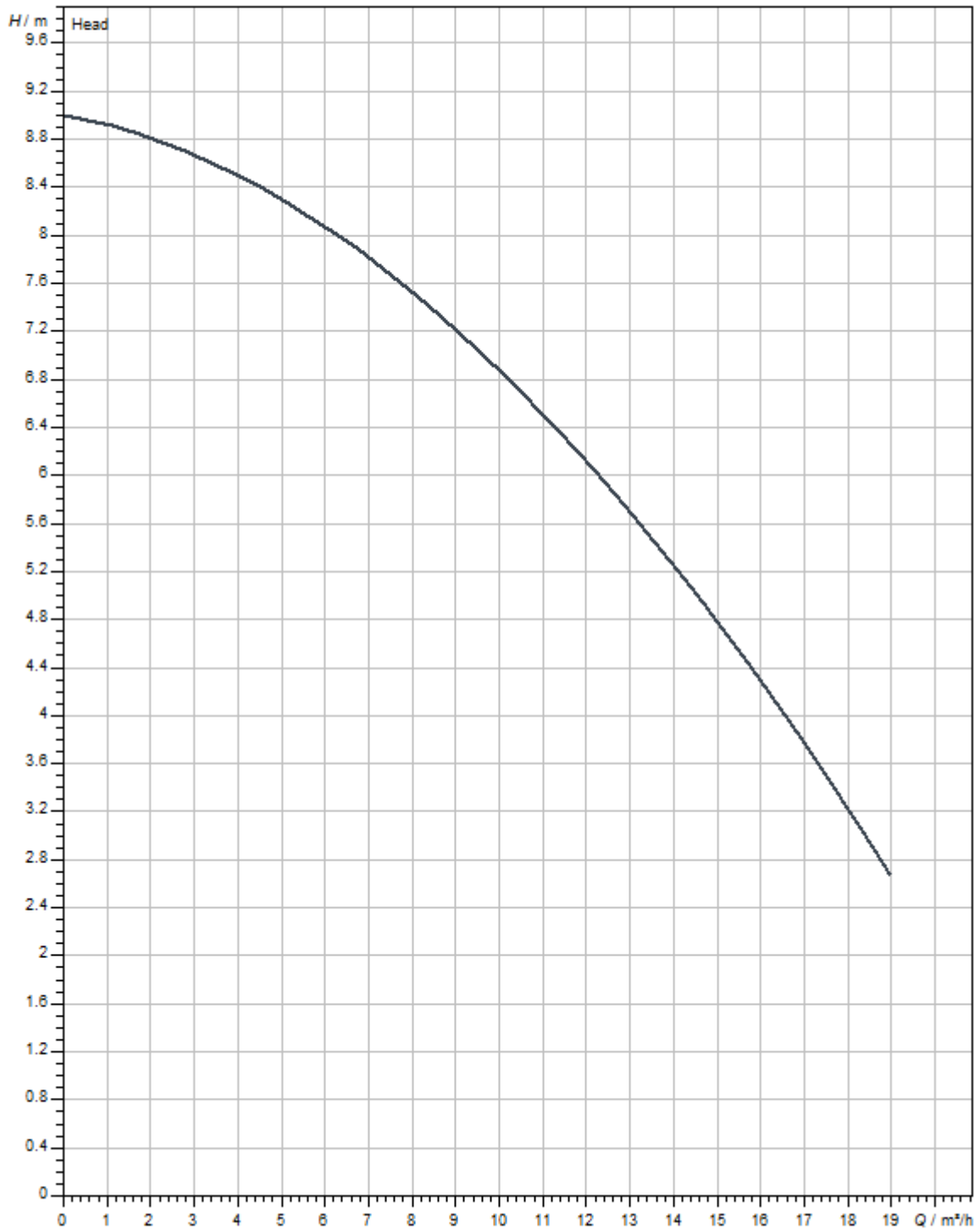
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

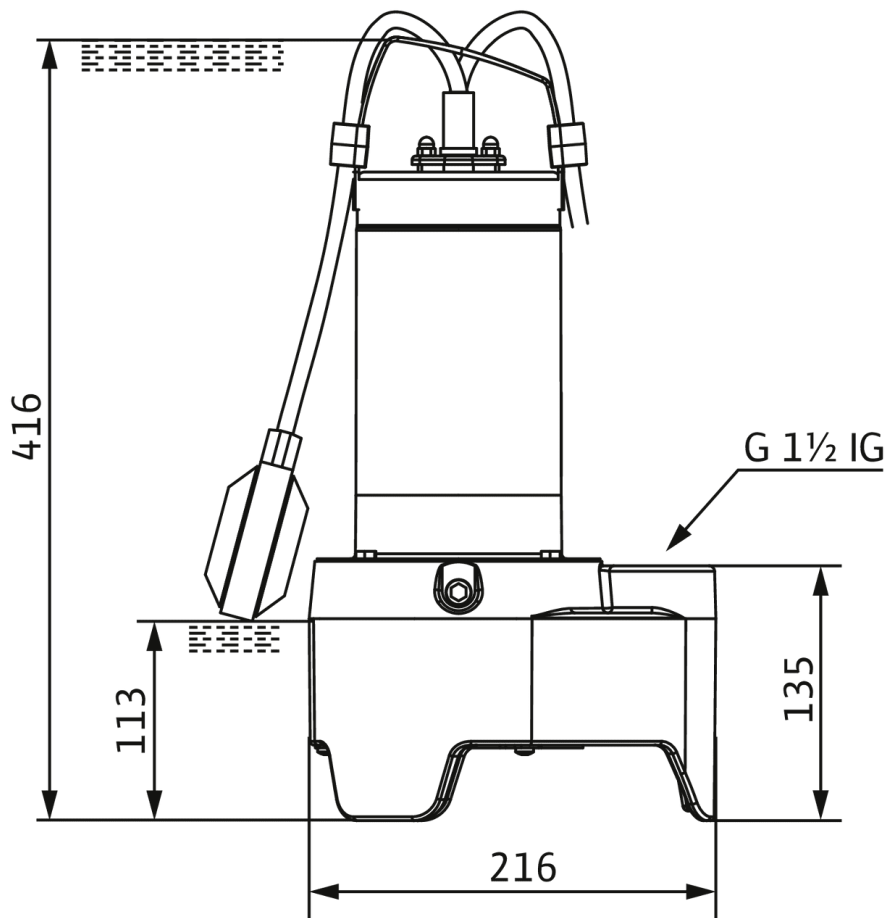
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	7 m
Max. delivery head H_{\max}	9,0 m
Max. volume flow Q_{\max}	19,1 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	0,5 kW
Power consumption $P_{1\max}$	0,66 kW
Rated current I_N	1,3 A
Starting current I	5,4 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,80
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	4G1 mm²
Type of connection cable	Detachable

Equipment/function

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

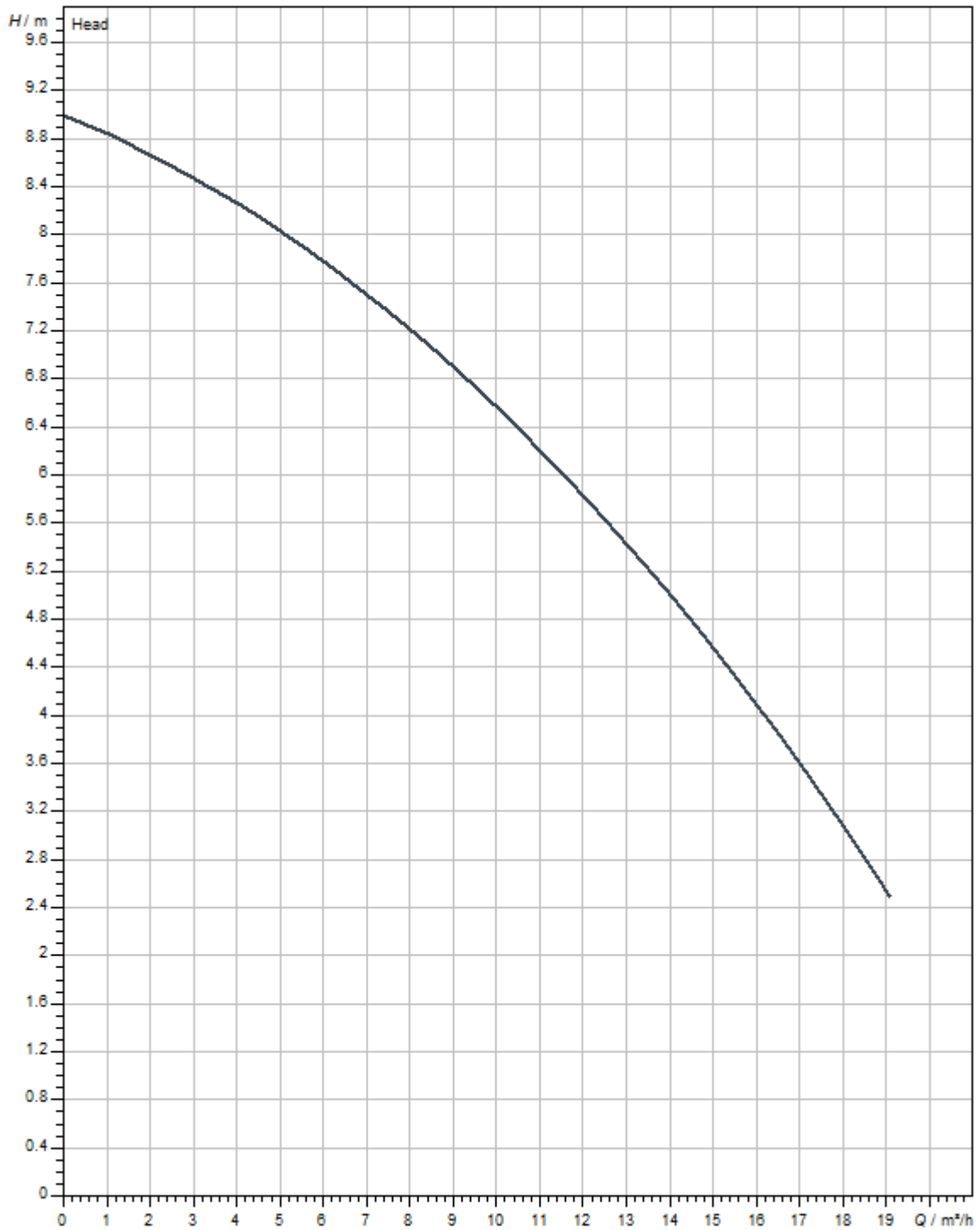
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

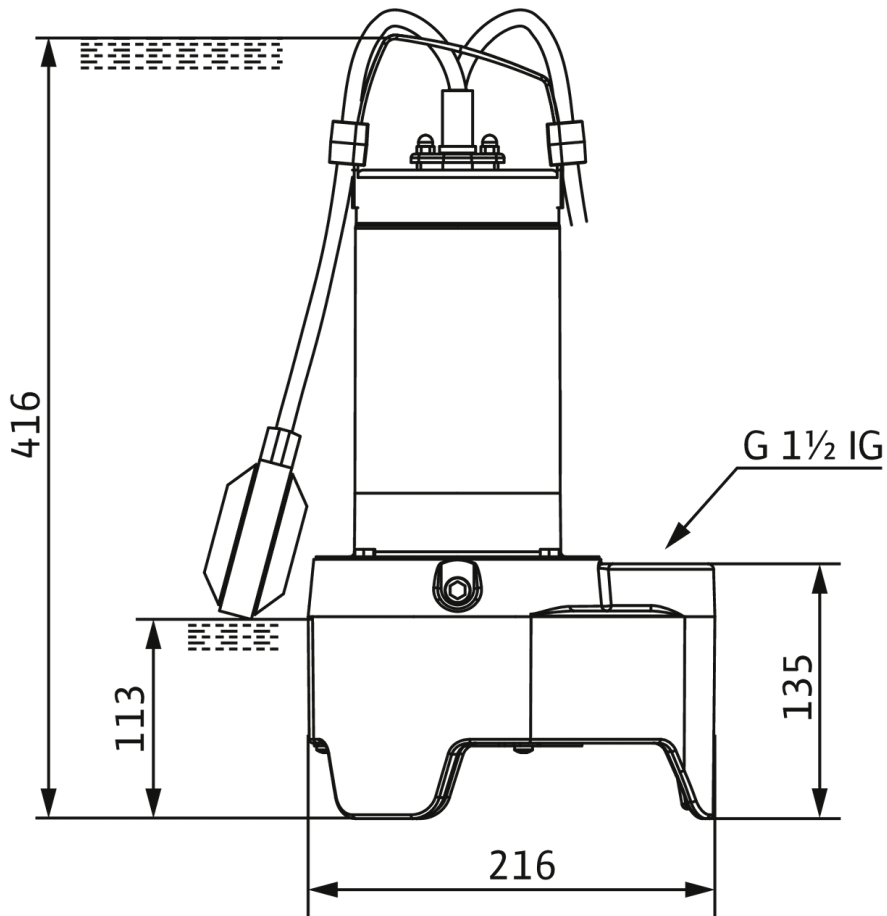
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	7 m
Max. delivery head H_{\max}	11,0 m
Max. volume flow Q_{\max}	21,0 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	0,6 kW
Power consumption $P_{1\max}$	0,93 kW
Rated current I_N	4,1 A
Starting current I	9,5 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

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

Equipment/function

Mains plug	Schuko
Float switch	no
Macerator	no
Explosion protection type	-
Motor protection	Bimetallic
Motor, leakage detection	no
Sealing chamber, leakage detection	no
Leakage chamber, leakage detection	no

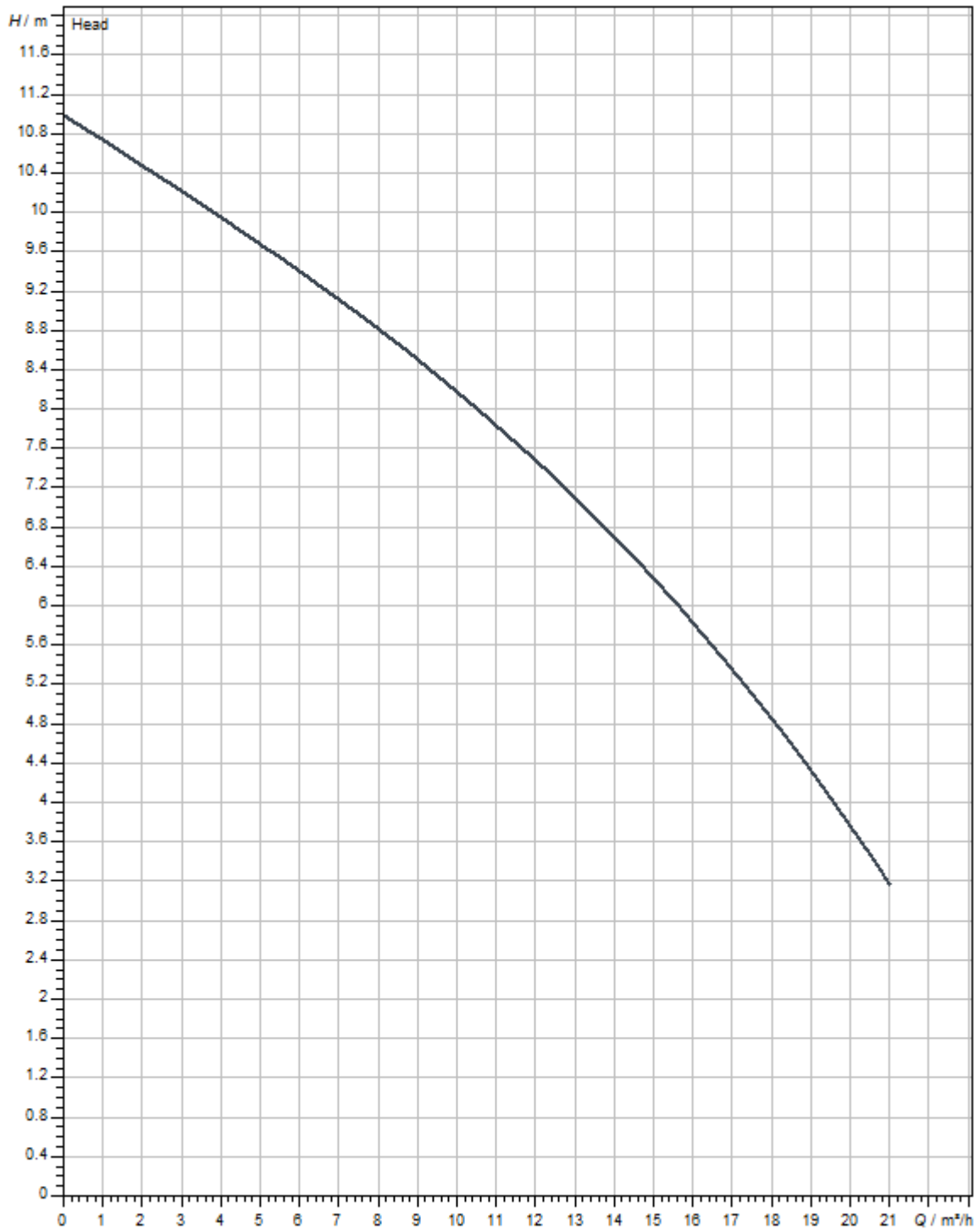
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

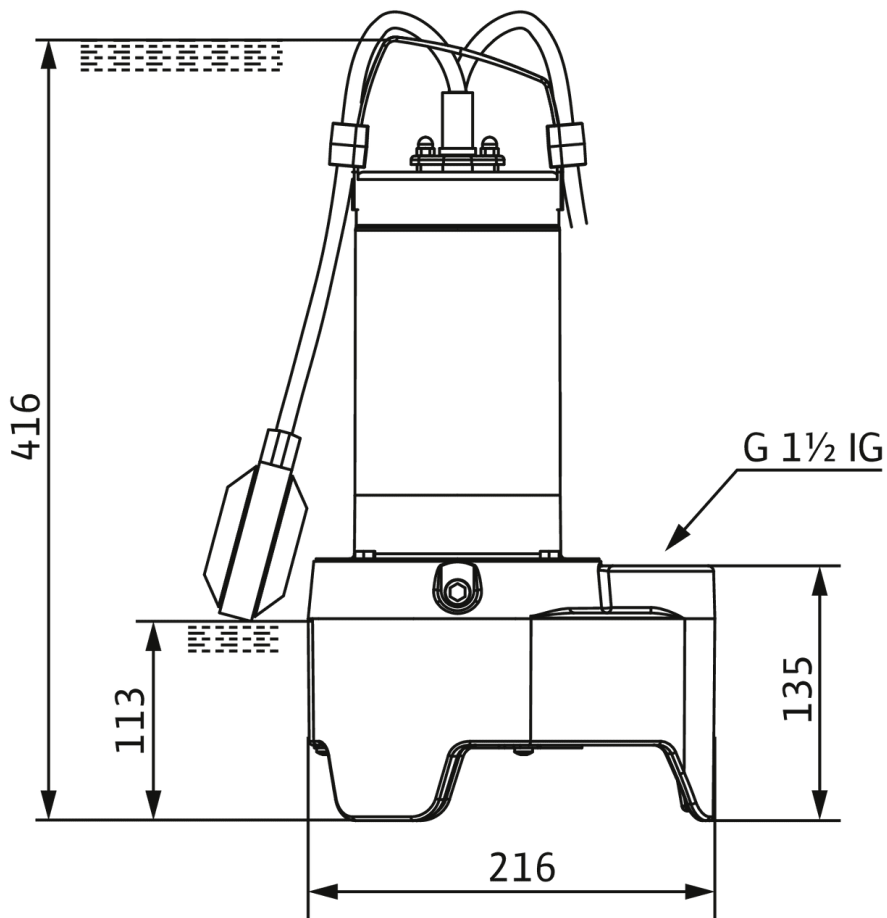
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	7 m
Max. delivery head H_{\max}	11,0 m
Max. volume flow Q_{\max}	21,0 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	0,6 kW
Power consumption $P_{1\max}$	0,93 kW
Rated current I_N	4,1 A
Starting current I	9,5 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,99
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

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

Equipment/function

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

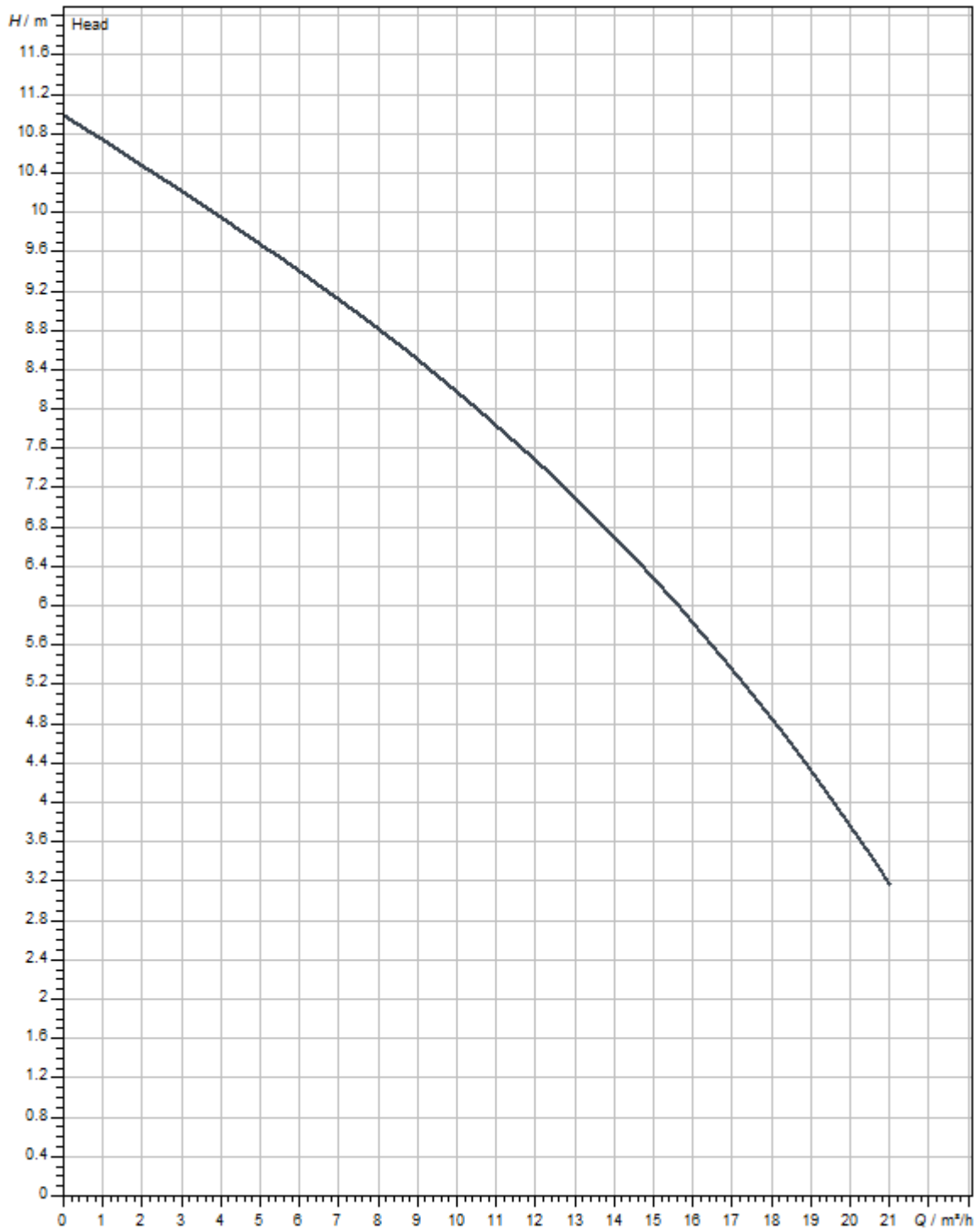
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

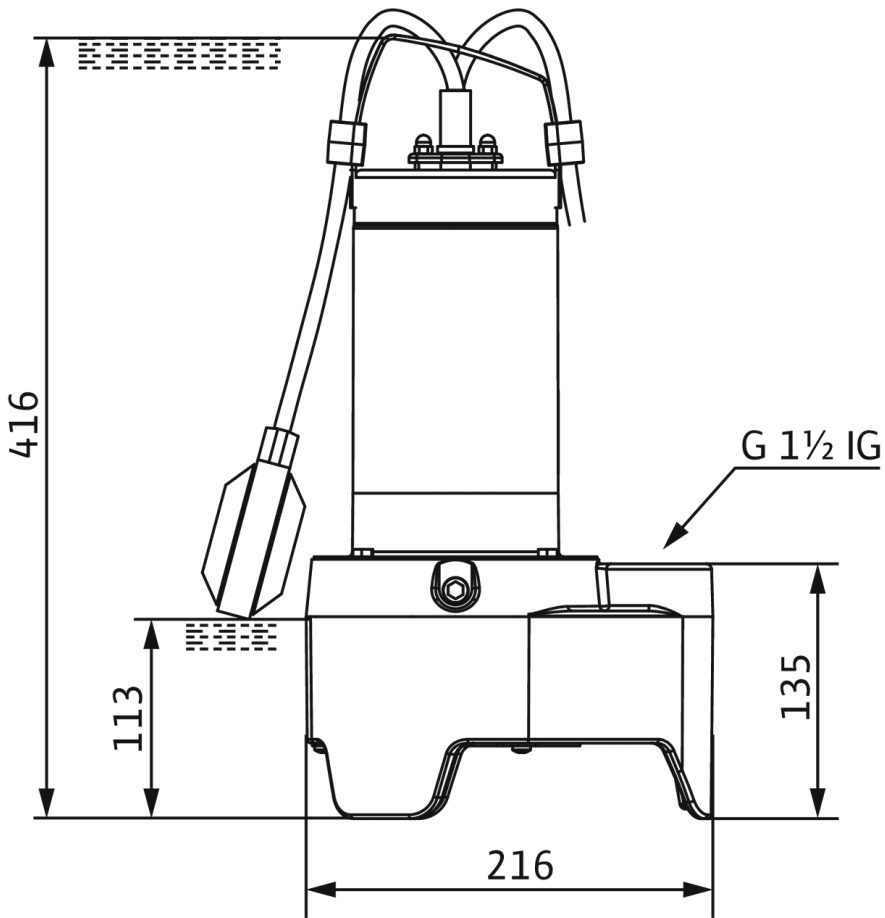
Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation



Data sheet

Hydraulic data

Maximum operating pressure p	1 bar
Pressure port	G 1½
Free ball passage of the hydraulics	40 mm
Impeller type	Vortex impeller
Max. immersion depth	7 m
Max. delivery head H_{\max}	11,0 m
Max. volume flow Q_{\max}	20,9 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	0,6 kW
Power consumption $P_{1 \max}$	0,83 kW
Rated current I_N	1,6 A
Starting current I	7,6 A
Operating mode (immersed)	S1
Operating mode (non-immersed)	S3-20%
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,77
Activation type	Direct online (DOL)
Number of poles	2
Max. switching frequency t	30 1/h
Insulation class	F
Protection class motor	IP68

Cable

Connection cable length	10 m
Cable type	H07RN-F
Cable cross-section	4G1 mm²
Type of connection cable	Detachable

Equipment/function

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

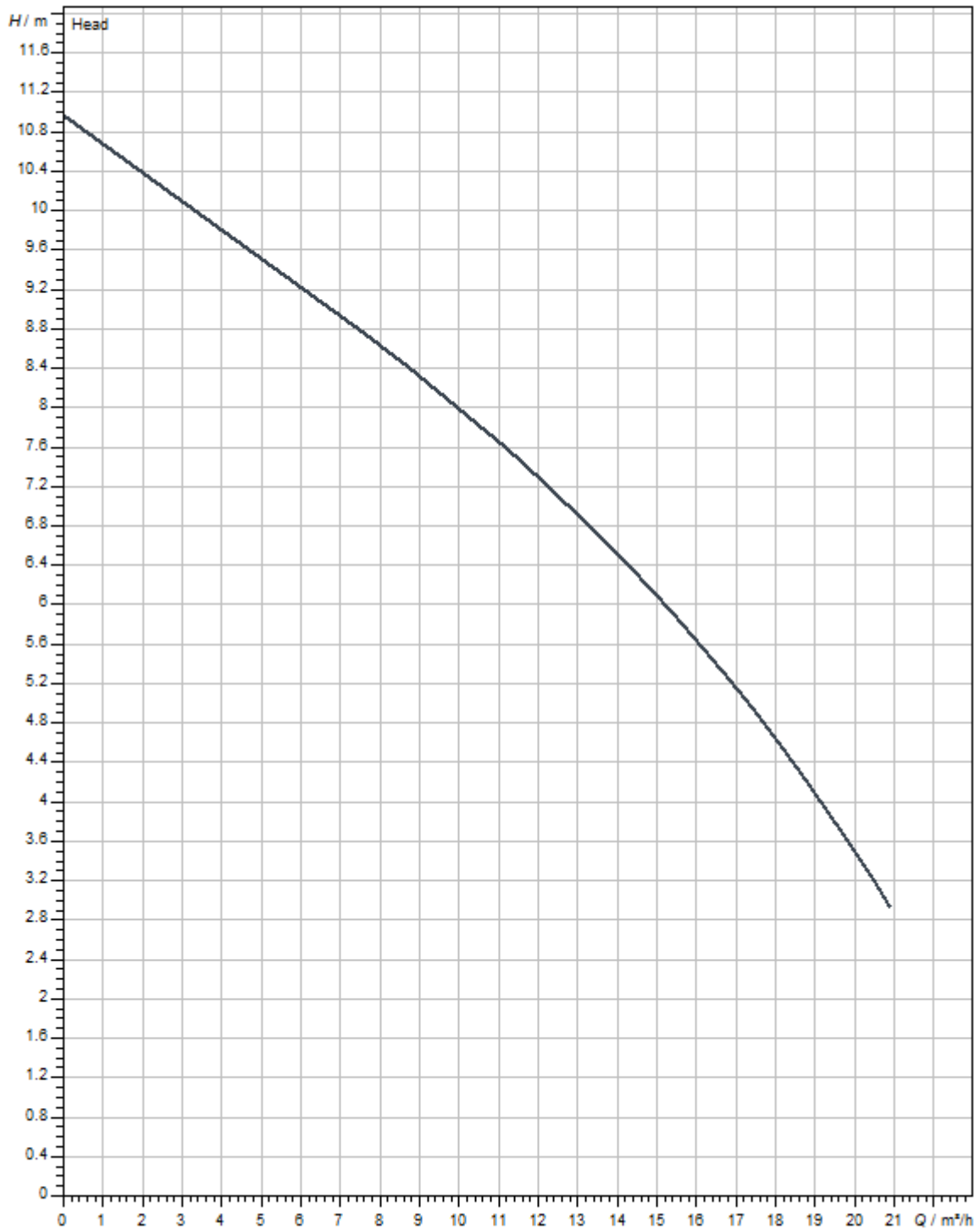
Materials

Pump housing	Cast iron
Impeller	PK-GF30
Shaft	Stainless steel
Sealing on pump side	Carbon, synthetic resin-impregnated
Gasket material	NBR
Motor housing	Stainless steel

Installation dimensions

Connection input	-
Connection output	G 1½

Pump curves



Dimensions and dimensions drawings

Wilo-Rexa MINI3 - transportable wet installation

