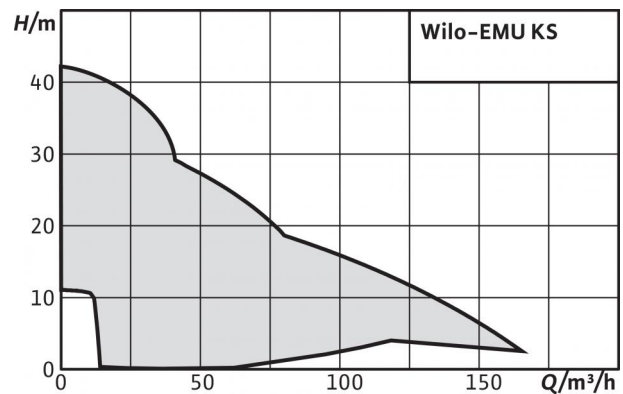


Series description: Wilo-EMU KS



Similar to figure

Design

Submersible drainage pump

Type key

Example:

KS

15

X

Wilo-EMU KS 15 X

Drainage pump

Code number for distinguishing
between pumps

Versions

Possible versions:

E

Single-phase connection

ES

single-phase connection + float switch

D

Three-phase current

DS

three-phase current connection + float
switch

DMS

three-phase current connection +
motor protection + float switch

E0

single-phase connection without plug
(bare cable end)

D0

three-phase current connection
without plug (bare cable end)

Grey cast iron

Motor housing in cast iron

Ceram

Unit with ceram coating

Ex

Ex-rated

Z

centre pressure port

H

high-pressure impeller

M

medium-pressure impeller

N

low-pressure impeller

Application

Pumping of

- Wastewater

Special features/product advantages

Series description: Wilo-EMU KS

Special features/product advantages

- Long service life
- Heavy-duty design
- Slurping operation possible
- Suitable for continuous duty (S1)
- Ready-to-plug

Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Protection class: IP 68
- Max. submersion depth: 12.5 m
- Fluid temperature: 3...40 °C
- Cable length: 10 m/20 m
- Free ball passage: 5...45 mm (depending on type)
- Pressure port: G 1¼, G 2, G 2½, G 3, G 4 (depending on type)

Equipment/function

- Ready-to-plug
- Thermal motor monitoring
- Sheath current cooling (depending on type)
- Connection cable detachable

Description/design

Submersible drainage pump as submersible monobloc unit for portable dry and wet well installation.

Hydraulics

The outlet on the pressure side is designed as a horizontal or vertical threaded connection. On models with a horizontal pressure connection, a 90° elbow is attached to make a vertical outlet possible. Open channel impellers with free ball passage of 5...45 mm are used as the impellers.

Motor

Surface-cooling or self-cooling motors in single or three-phase versions are used, depending on the type. The self-cooling motors are filled with oil; the surface-cooling motors have thermal motor monitoring and sheath current cooling. The Ex-rated units KS 5, KS 6 and KS 16 are equipped with a surface-cooled motor without sheath current cooling. All models can be used both immersed and non-immersed, in continuous duty. This also permits slurping operation.

A sealing chamber protects the motor from fluid ingress. The filling fluid used is potentially biodegradable and environmentally safe.

The cable is detachable, the cable length is 10 m or 20 m. The S version is equipped with float switches. All models are equipped with plugs. The DMS versions are equipped with a switchgear with integrated motor protection.

Seal

Sealing on the fluid side and on the motor side is achieved by a bidirectional mechanical seal.

Materials

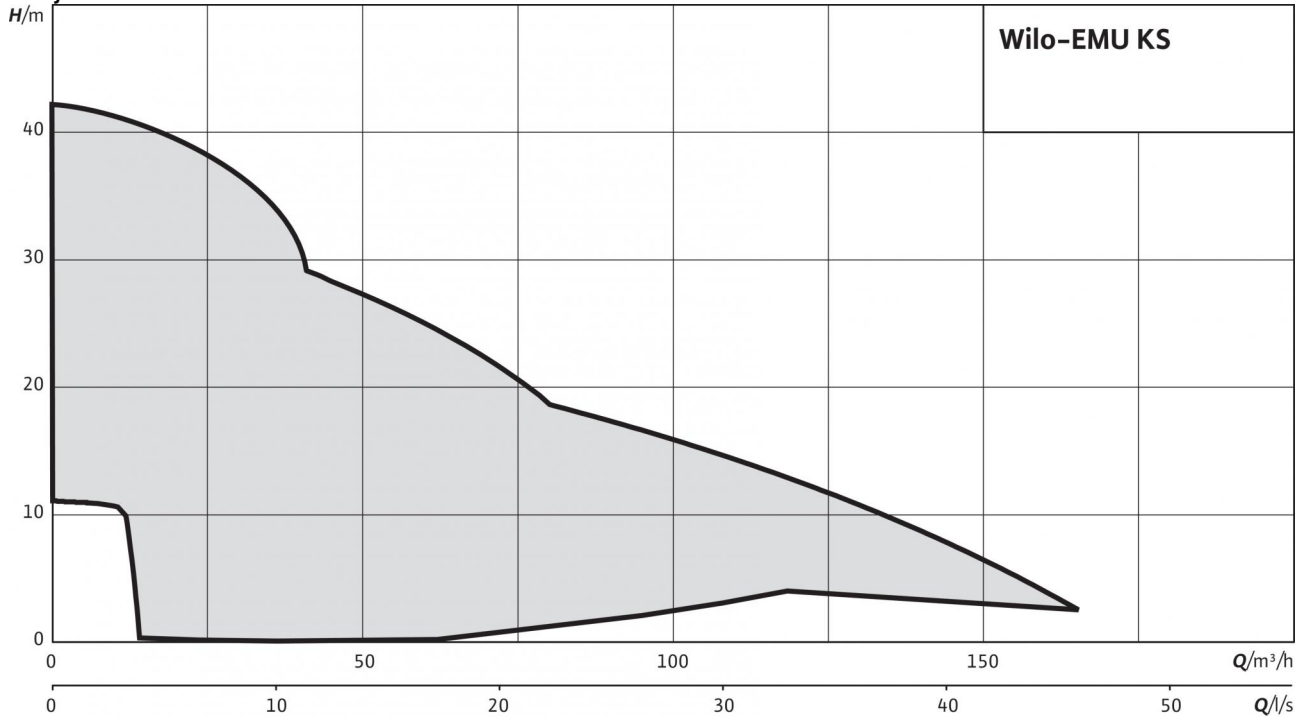
- Motor housing: aluminium or EN-GJL 250 (depending on type and version)
- Pump housing: EN-GJL 250
- Impeller: EN-GJL 250
- Shaft: 1.4021
- Sealing on motor side: mechanical seal in various material versions
- Sealing on pump side: Mechanical seal SiC/SiC
- Static gaskets: FPM

Scope of delivery

Pump ready for connection with 10 m connecting cable (starting from KS 24, 20 m) and single-phase or three-phase current plug, Storz or GEKA solid coupling, 90° bend if necessary for implementation of vertical pressure outlet, installation and operating instructions.

Duty chart: Wilo-EMU KS

Duty chart



Equipment/function: Wilo-EMU KS

Design

Submersible	•
Non-self-priming	•
Open single-channel impeller	•
Vortex impeller	•
Open multi-channel impeller	•
Turbulator	-
Sealing chamber	•
Sealing by mechanical seal on motor side	•
Sealing by rotary shaft seal on motor side	-
Sealing by mechanical seal on fluid side	•
Seal for rotary shaft seal on fluid side	-
AC motor	•
Three-phase motor	•
Direct activation	•
Star-delta activation	•
FC operation	•
dry motor	•
Motor with oil cooling	•
Sheath current cooling	From KS 24

Application

Wet well installation, stationary	-
Wet well installation, portable	•
Dry well installation, portable	•
Dry well installation, stationary	-

Equipment/function

Explosion protection	KS 5, 6, 16 only
Hose connection	•
Float switch	•
Non-return valve	-
Capacitor box for 1~230 V	•
Connection cable detachable	•
Ready-to-plug	•

• = available or approved, - = not available or not approved

Product list: Wilo-EMU KS

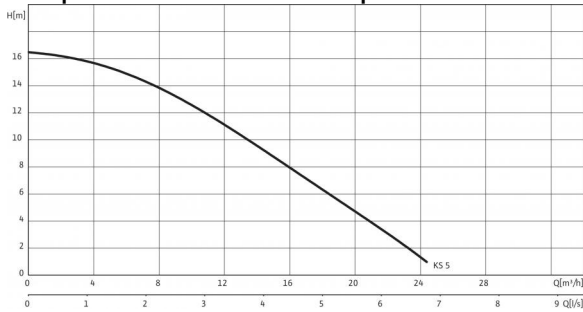
Pump type	Mains connection	Pressure connection	Pressure port	Max. volume flow Q_{max}	Max. delivery head H_{max}	Optimum volume flow Q_{opt}	Optimal delivery head H_{opt}	Rated power P_2	Art No.
KS 5 Ex D0	3~400 V, 50 Hz	Storz C	Storz C	24 m ³ /h	16 m	11 m ³ /h	12 m	0.75 kW	6030969
KS 5 Ex DMS	3~400 V, 50 Hz	Storz C	Storz C	24 m ³ /h	16 m	11 m ³ /h	12 m	0.75 kW	on request
KS 6 Ex D0	3~400 V, 50 Hz	Storz C	Storz C	12 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 6 Ex DMS	3~400 V, 50 Hz	Storz C	Storz C	12 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 8 D	3~400 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	6019736
KS 8 D GG	3~400 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	on request
KS 8 DS	3~400 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	6019739
KS 8 DS GG	3~400 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	on request
KS 8 E	1~230 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	6019740
KS 8 E GG	1~230 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	on request
KS 8 ES	1~230 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	6019741
KS 8 ES GG	1~230 V, 50 Hz	Storz C	Storz C	23 m ³ /h	17 m	9 m ³ /h	13 m	0.75 kW	on request
KS 9 D	3~400 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	6019743
KS 9 D GG	3~400 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 9 DS	3~400 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 9 DS GG	3~400 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 9 E	1~230 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	6019745
KS 9 E GG	1~230 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 9 ES	1~230 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	6020835
KS 9 ES GG	1~230 V, 50 Hz	Storz C	Storz C	14 m ³ /h	21 m	8 m ³ /h	17 m	0.75 kW	on request
KS 12 D GG	3~400 V, 50 Hz	Storz C	Storz C	27 m ³ /h	13 m	16 m ³ /h	8 m	1.3 kW	6042087
KS 12 DS GG	3~400 V, 50 Hz	Storz C	Storz C	27 m ³ /h	13 m	16 m ³ /h	8 m	1.3 kW	6042089
KS 12 E GG	1~230 V, 50 Hz	Storz C	Storz C	27 m ³ /h	13 m	16 m ³ /h	8 m	1.3 kW	6042086
KS 12 ES GG	1~230 V, 50 Hz	Storz C	Storz C	27 m ³ /h	13 m	16 m ³ /h	8 m	1.3 kW	6042088
KS 14 D	3~400 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	6019447
KS 14 D GG	3~400 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	on request
KS 14 DS	3~400 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	on request
KS 14 DS GG	3~400 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	on request
KS 14 E	1~230 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	6019448
KS 14 E GG	1~230 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	on request
KS 14 ES	1~230 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	6019449
KS 14 ES GG	1~230 V, 50 Hz	Storz C	Storz C	35 m ³ /h	11 m	20 m ³ /h	9 m	0.75 kW	on request
KS 15 D	3~400 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	6019450
KS 15 D GG	3~400 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	on request
KS 15 DS	3~400 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	6019784
KS 15 DS GG	3~400 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	on request
KS 15 E	1~230 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	6019785
KS 15 E GG	1~230 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	on request
KS 15 ES	1~230 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	6001201
KS 15 ES GG	1~230 V, 50 Hz	Storz C	Storz C	42 m ³ /h	15 m	26 m ³ /h	12 m	1.3 kW	on request
KS 16 Ex D0	3~400 V, 50 Hz	Storz C	Storz C	60 m ³ /h	19 m	34 m ³ /h	14 m	2 kW	on request
KS 16 Ex DMS-	3~400 V, 50 Hz	Storz C	Storz C	60 m ³ /h	19 m	34 m ³ /h	14 m	2 kW	on request
Ex									
KS 20 D GG	3~400 V, 50 Hz	Storz B	Storz B	47 m ³ /h	19 m	30 m ³ /h	13 m	2.2 kW	6042090
KS 20 DS GG	3~400 V, 50 Hz	Storz B	Storz B	47 m ³ /h	19 m	30 m ³ /h	13 m	2.2 kW	6042091
KS 24 D	3~400 V, 50 Hz	Storz B	Storz B	59 m ³ /h	21 m	39 m ³ /h	14 m	2.4 kW	6001204

Product list: Wilo-EMU KS

Pump type	Mains connection	Pressure connection	Pressure port	Max. volume flow Q_{max}	Max. delivery head H_{max}	Optimum volume flow Q_{opt}	Optimal delivery head H_{opt}	Rated power P_2	Art No.
KS 24 DS	3~400 V, 50 Hz	Storz B	Storz B	59 m ³ /h	21 m	39 m ³ /h	14 m	2.4 kW	6023360
KS 37ZH D	3~400 V, 50 Hz	Storz A	Storz A	60 m ³ /h	30 m	38 m ³ /h	16 m	3.85 kW	6019730
KS 37ZH DS	3~400 V, 50 Hz	Storz A	Storz A	60 m ³ /h	30 m	38 m ³ /h	16 m	3.85 kW	on request
KS 37ZM D	3~400 V, 50 Hz	Storz A	Storz A	95 m ³ /h	22 m	54 m ³ /h	15 m	3.85 kW	6019731
KS 37ZM DS	3~400 V, 50 Hz	Storz A	Storz A	95 m ³ /h	22 m	54 m ³ /h	15 m	3.85 kW	on request
KS 37ZN D	3~400 V, 50 Hz	Storz A	Storz A	118 m ³ /h	18 m	74 m ³ /h	11 m	3.85 kW	6019732
KS 37ZN DS	3~400 V, 50 Hz	Storz A	Storz A	118 m ³ /h	18 m	74 m ³ /h	11 m	3.85 kW	on request
KS 70ZH D	3~400 V, 50 Hz	Storz A	Storz A	45 m ³ /h	41 m	36 m ³ /h	33 m	7.5 kW	6021370
KS 70ZH DS	3~400 V, 50 Hz	Storz A	Storz A	45 m ³ /h	41 m	36 m ³ /h	33 m	7.5 kW	on request
KS 70ZM D	3~400 V, 50 Hz	Storz A	Storz A	105 m ³ /h	32 m	65 m ³ /h	24 m	7.5 kW	6021343
KS 70ZM DS	3~400 V, 50 Hz	Storz A	Storz A	105 m ³ /h	32 m	65 m ³ /h	24 m	7.5 kW	on request
KS 70ZN D	3~400 V, 50 Hz	Storz A	Storz A	160 m ³ /h	24 m	97 m ³ /h	16 m	7.5 kW	6021369
KS 70ZN DS	3~400 V, 50 Hz	Storz A	Storz A	160 m ³ /h	24 m	97 m ³ /h	16 m	7.5 kW	on request

Data sheet: EMU KS 5 Ex D0

Pump curves 50 Hz - 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	16 m
Max. volume flow Q_{max}	24 m ³ /h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	11 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	32 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.76 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Float switch	-
Motor protection	WSK
Explosion protection	ATEX

Materials

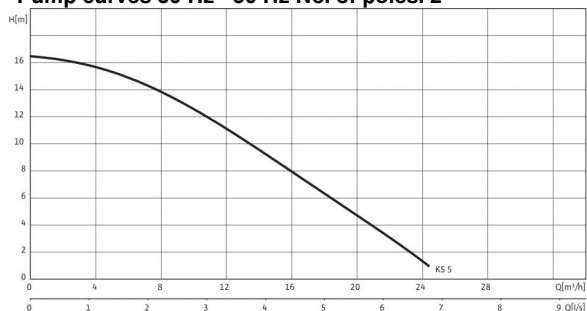
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6030969
EAN number	4044966262221
Price group	PG8

Data sheet: EMU KS 5 Ex DMS

Pump curves 50 Hz - 50 Hz No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	16 m
Max. volume flow Q_{max}	24 m ³ /h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	11 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-30 min
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	33 kg

Motor data	
Mains connection	3~400 V, 50 Hz
Rated current I_N	1.76 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	DMS-Ex + CEE 16

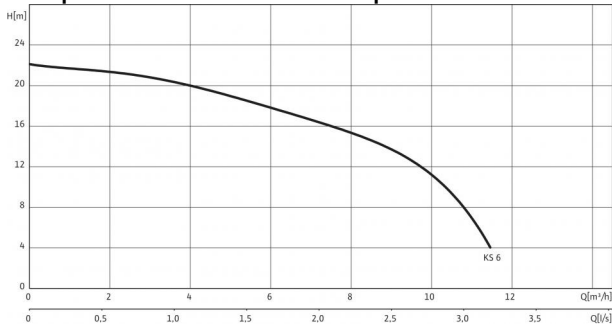
Equipment/function	
Float switch	•
Motor protection	WSK
Explosion protection	ATEX

Materials	
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Price group	PG7

Data sheet: EMU KS 6 Ex D0

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	12 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.3 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	32 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.76 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Float switch	-
Motor protection	WSK
Explosion protection	ATEX

Materials

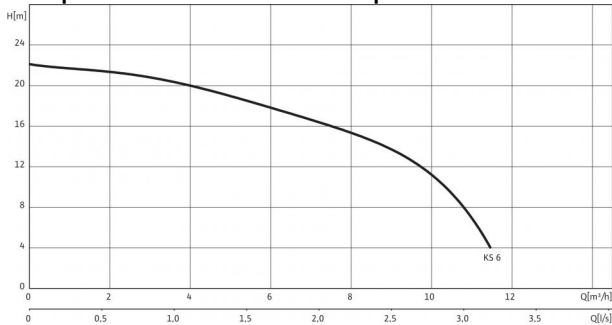
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 6 Ex DMS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	12 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.3 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	33 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.76 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	DMS-Ex + CEE 16

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	ATEX

Materials

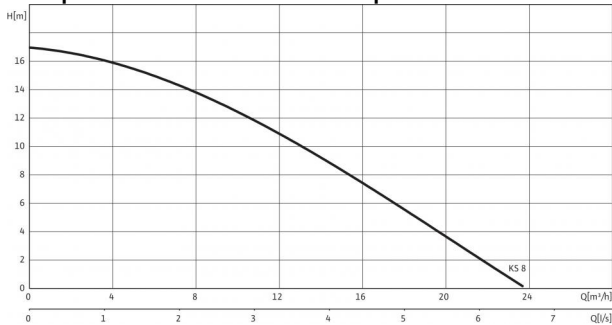
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 8 D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	19 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

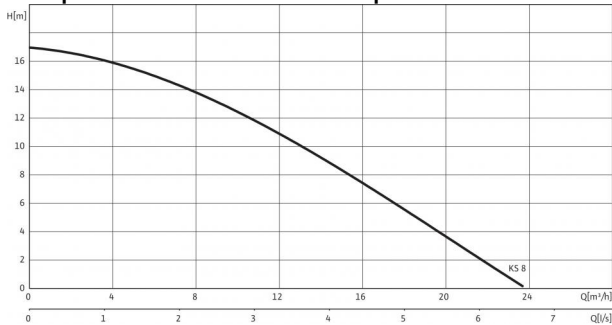
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019736
EAN number	4044966092712
Price group	PG8

Data sheet: EMU KS 8 D GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

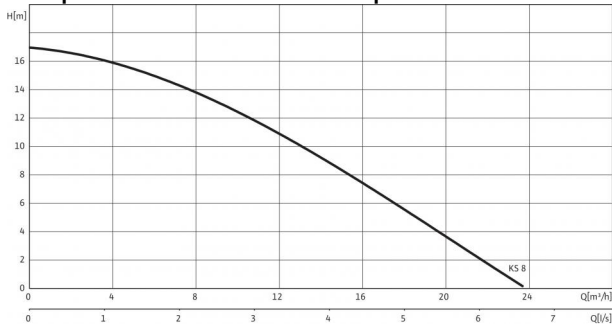
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 8 DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	20 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

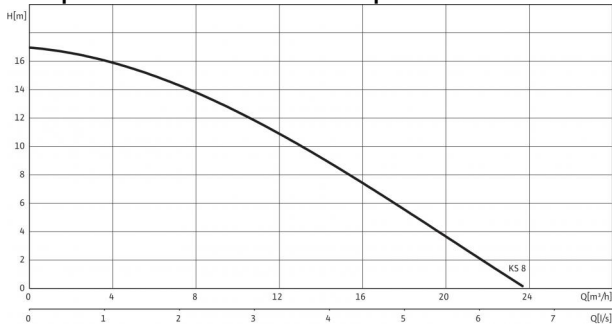
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019739
EAN number	4044966092743
Price group	PG8

Data sheet: EMU KS 8 DS GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	26 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

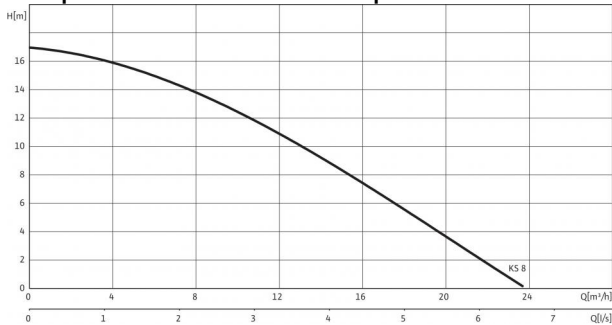
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 8 E

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	19 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 6M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

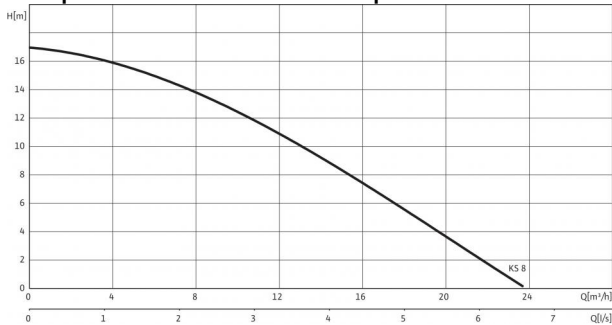
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019740
EAN number	4044966092750
Price group	PG8

Data sheet: EMU KS 8 E GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 6M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

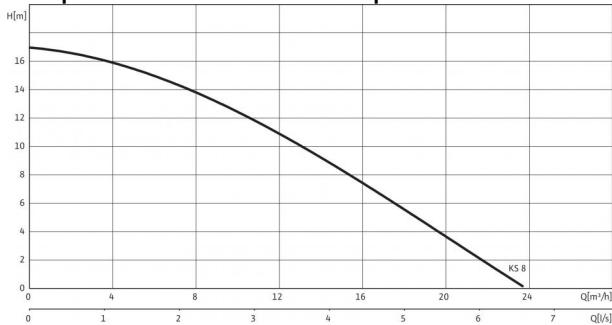
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 8 ES

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	19 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 6MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

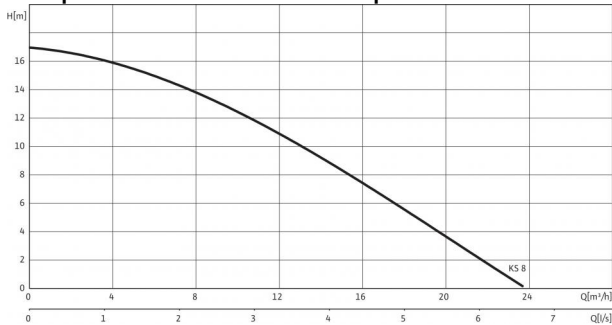
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019741
EAN number	4044966092767
Price group	PG8

Data sheet: EMU KS 8 ES GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	17 m
Max. volume flow Q_{max}	23 m³/h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	9 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.8 bar
Free ball passage	9 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 6MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

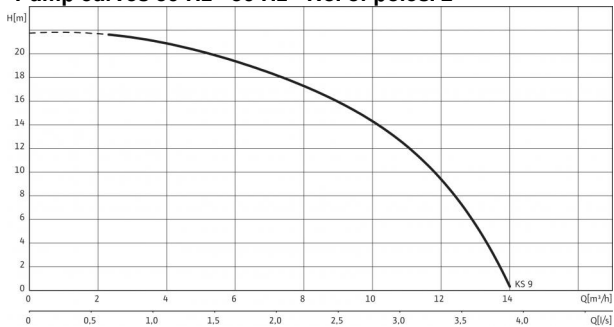
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 9 D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	19 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

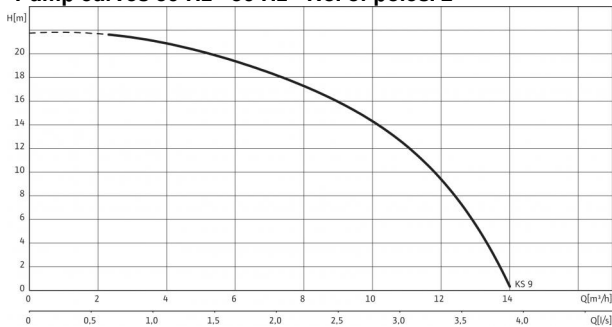
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019743
EAN number	4044966092781
Price group	PG8

Data sheet: EMU KS 9 D GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m³/h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

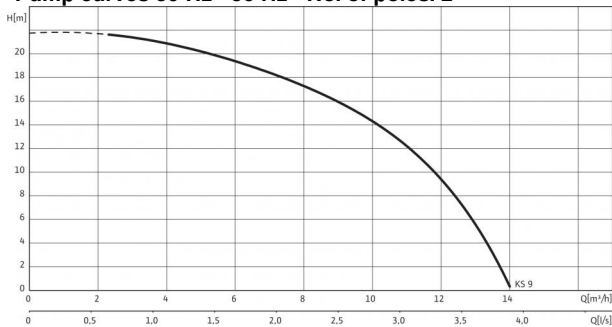
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 9 DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	21 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

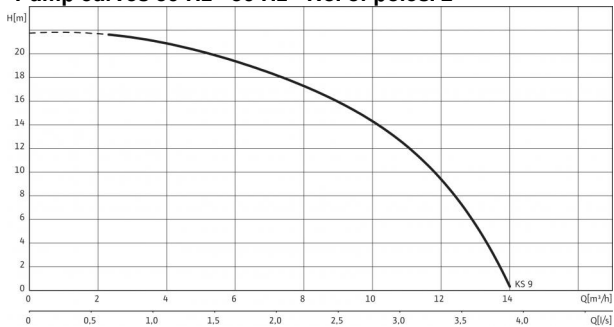
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 9 DS GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

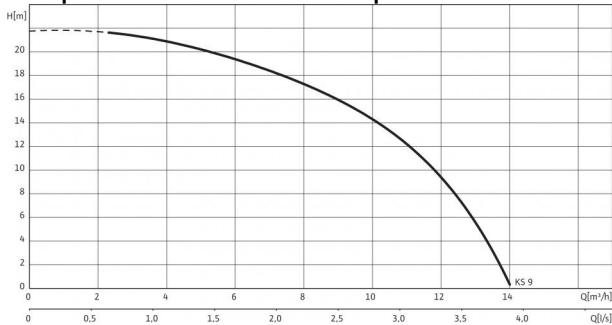
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 9 E

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m³/h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	19 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 6M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

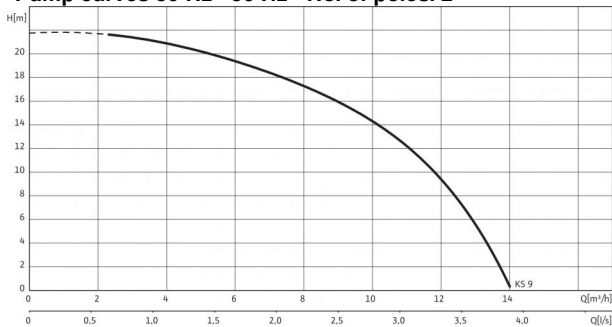
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019745
EAN number	4044966092903
Price group	PG8

Data sheet: EMU KS 9 E GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	SMP 6M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

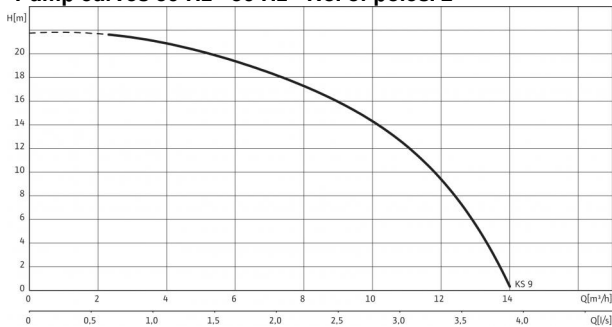
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 9 ES

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	20 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	SMP 6MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

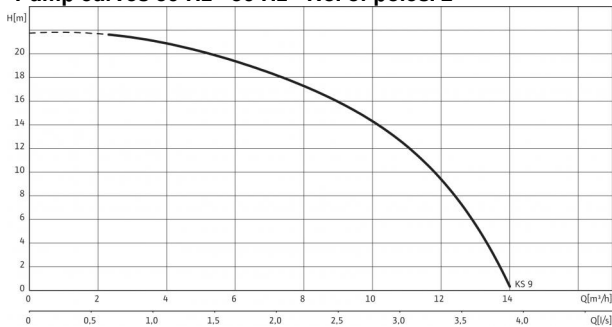
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6020835
EAN number	4044966141915
Price group	PG8

Data sheet: EMU KS 9 ES GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	14 m ³ /h
Optimal delivery head H_{opt}	17 m
Optimum volume flow Q_{opt}	8 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	SMP 6MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

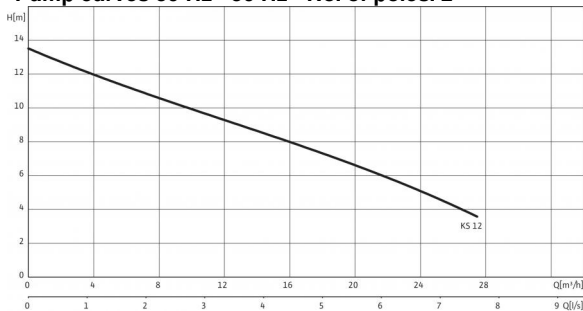
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 12 D GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	13 m
Max. volume flow Q_{max}	27 m³/h
Optimal delivery head H_{opt}	8 m
Optimum volume flow Q_{opt}	16 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.5 bar
Free ball passage	40 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	27 kg

Motor data	
Mains connection	3~400 V, 50 Hz
Rated current I_N	3.15 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

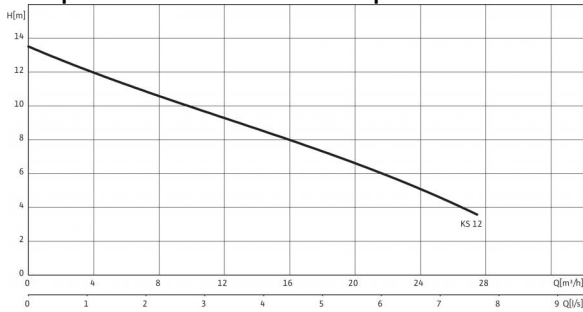
Equipment/function	
Float switch	-
Motor protection	-
Explosion protection	-

Materials	
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Art no.	6042087
EAN number	4044966435212
Price group	PG8

Data sheet: EMU KS 12 DS GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	13 m
Max. volume flow Q_{max}	27 m³/h
Optimal delivery head H_{opt}	8 m
Optimum volume flow Q_{opt}	16 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.5 bar
Free ball passage	40 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	29 kg

Motor data	
Mains connection	3~400 V, 50 Hz
Rated current I_N	3.15 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

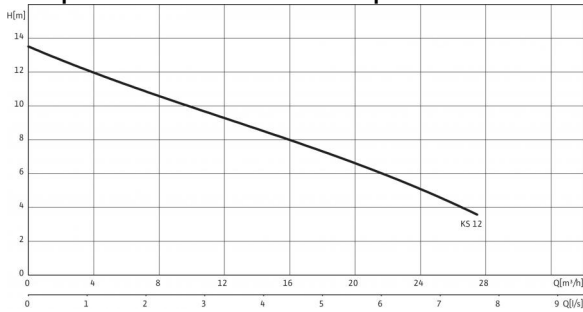
Equipment/function	
Float switch	•
Motor protection	-
Explosion protection	-

Materials	
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Art no.	6042089
EAN number	4044966435236
Price group	PG8

Data sheet: EMU KS 12 E GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	13 m
Max. volume flow Q_{max}	27 m³/h
Optimal delivery head H_{opt}	8 m
Optimum volume flow Q_{opt}	16 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.5 bar
Free ball passage	40 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	27 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	9.4 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 10M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

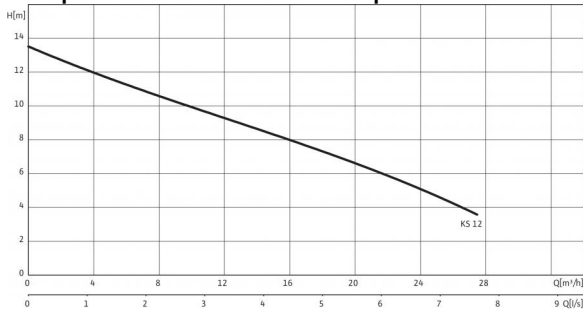
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042086
EAN number	4044966435205
Price group	PG8

Data sheet: EMU KS 12 ES GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	13 m
Max. volume flow Q_{max}	27 m³/h
Optimal delivery head H_{opt}	8 m
Optimum volume flow Q_{opt}	16 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.5 bar
Free ball passage	40 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	29 kg

Motor data	
Mains connection	1~230 V, 50 Hz
Rated current I_N	9.4 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 10MA

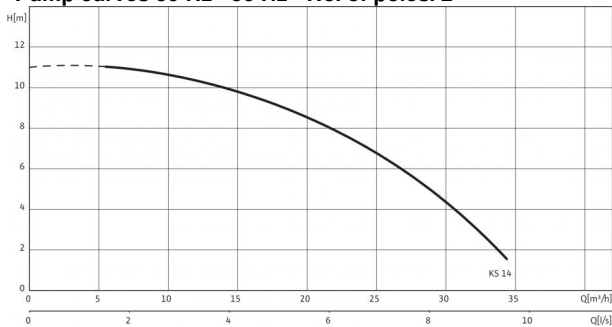
Equipment/function	
Float switch	•
Motor protection	-
Explosion protection	-

Materials	
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Art no.	6042088
EAN number	4044966435229
Price group	PG8

Data sheet: EMU KS 14 D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m³/h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	21 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

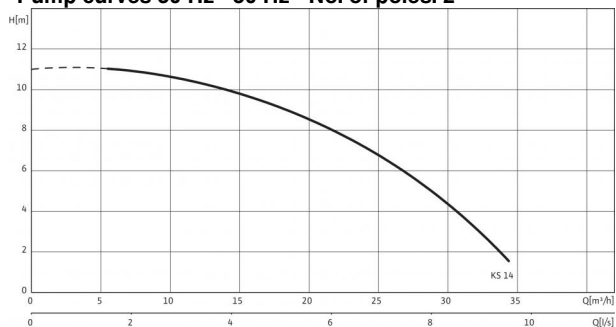
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019447
EAN number	4044966092262
Price group	PG8

Data sheet: EMU KS 14 D GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m ³ /h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	27 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

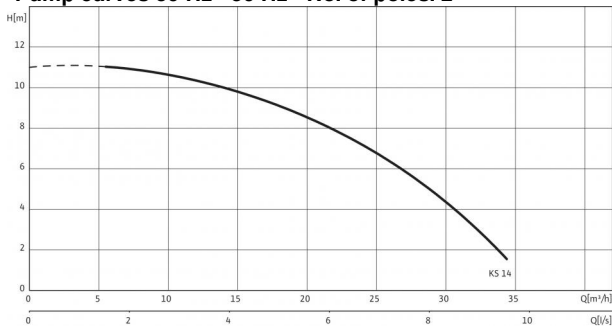
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 14 DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m ³ /h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	22 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

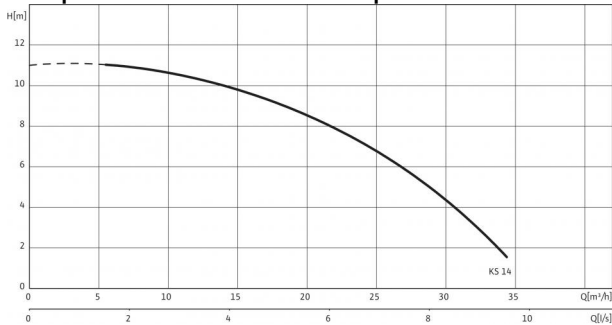
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 14 DS GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m ³ /h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	28 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	1.9 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

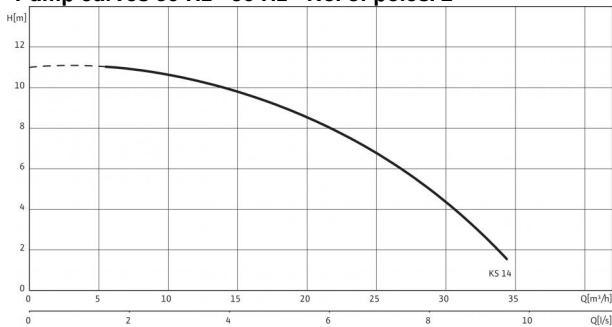
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 14 E

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m ³ /h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	20 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	SMP 6M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

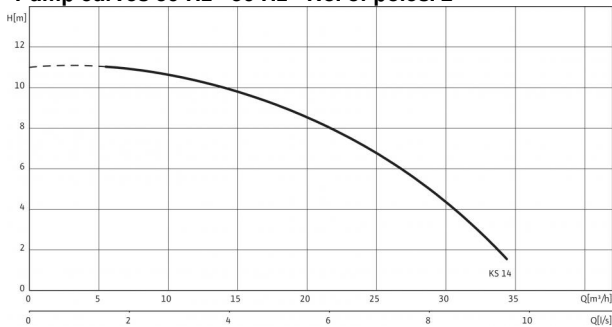
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019448
EAN number	4044966092279
Price group	PG8

Data sheet: EMU KS 14 E GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m ³ /h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	26 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	SMP 6M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

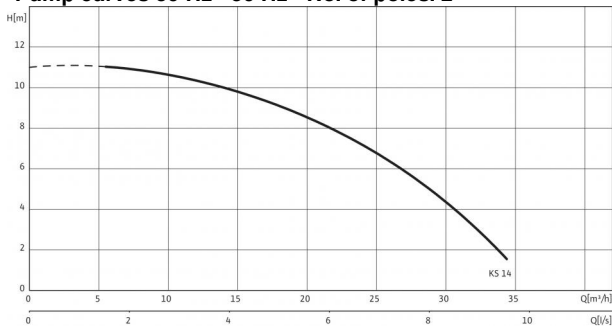
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 14 ES

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m ³ /h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	22 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	SMP 6MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

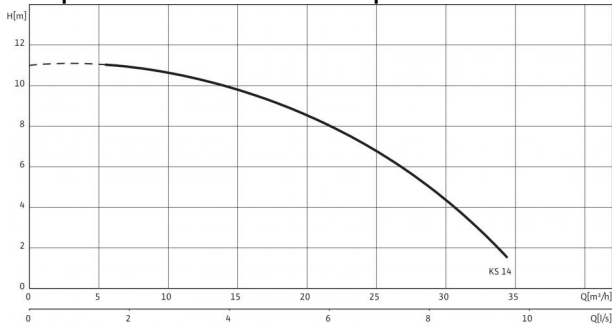
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019449
EAN number	4044966092286
Price group	PG8

Data sheet: EMU KS 14 ES GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	11 m
Max. volume flow Q_{max}	35 m³/h
Optimal delivery head H_{opt}	9 m
Optimum volume flow Q_{opt}	20 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.2 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	28 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	5.7 A
Rated power P_2	0.75 kW
Power consumption P_1	1.1 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 6MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

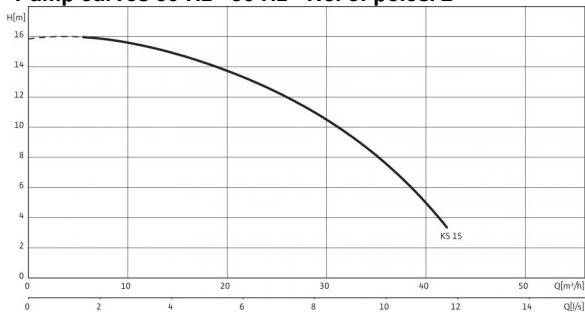
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 15 D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m ³ /h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	23 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	3.2 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

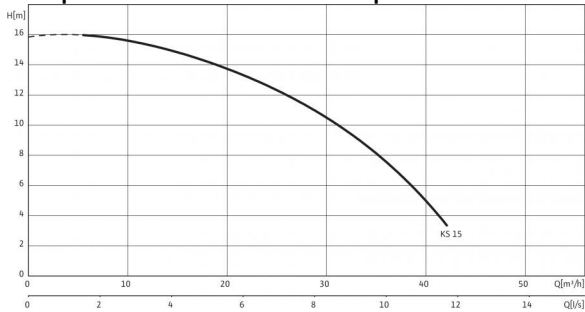
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019450
EAN number	4044966092293
Price group	PG8

Data sheet: EMU KS 15 D GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	29 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	3.2 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

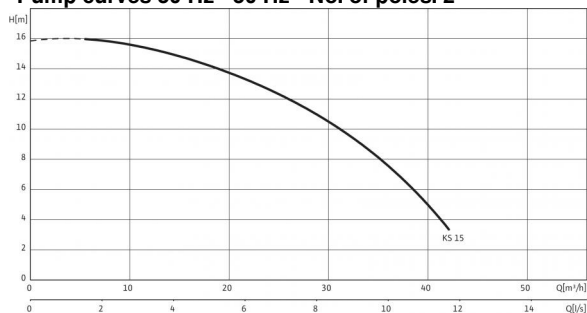
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 15 DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data	
Mains connection	3~400 V, 50 Hz
Rated current I_N	3.2 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

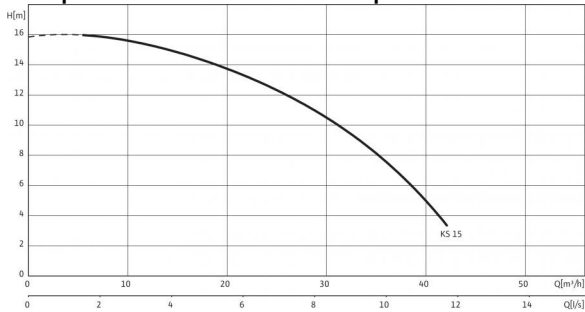
Equipment/function	
Float switch	•
Motor protection	-
Explosion protection	-

Materials	
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Art no.	6019784
EAN number	4044966092477
Price group	PG8

Data sheet: EMU KS 15 DS GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	31 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	3.2 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

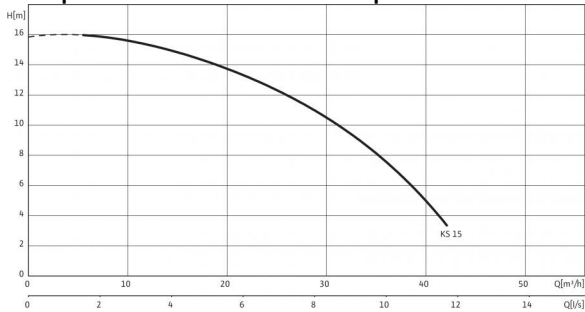
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 15 E

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	23 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	9.4 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 10M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

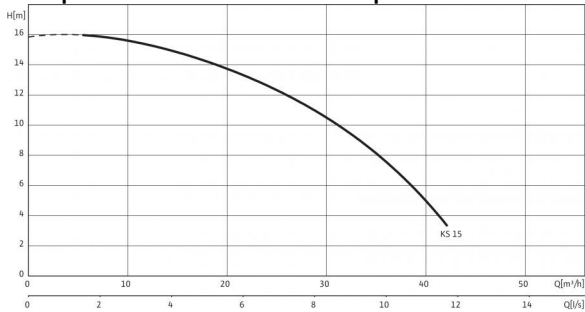
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019785
EAN number	4044966092484
Price group	PG8

Data sheet: EMU KS 15 E GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	29 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	9.4 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 10M

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

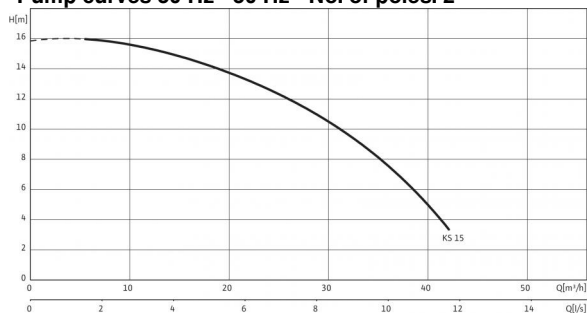
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 15 ES

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	25 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	9.4 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 10MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

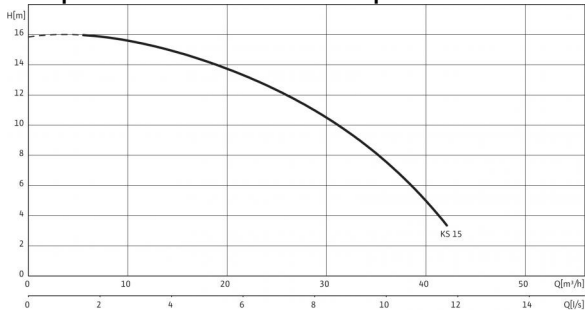
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6001201
EAN number	4044966091180
Price group	PG8

Data sheet: EMU KS 15 ES GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	15 m
Max. volume flow Q_{max}	42 m³/h
Optimal delivery head H_{opt}	12 m
Optimum volume flow Q_{opt}	26 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	1.7 bar
Free ball passage	10 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	31 kg

Motor data

Mains connection	1~230 V, 50 Hz
Rated current I_N	9.4 A
Rated power P_2	1.3 kW
Power consumption P_1	1.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	SMP 10MA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

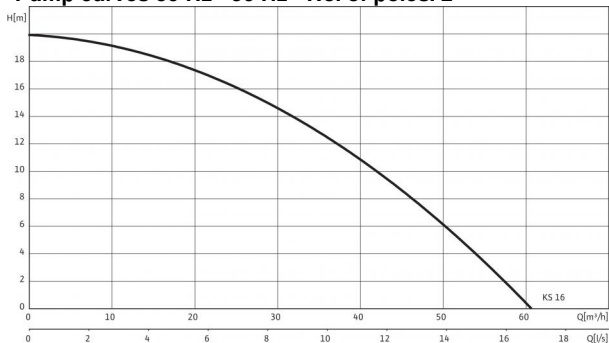
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 16 Ex D0

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	19 m
Max. volume flow Q_{max}	60 m ³ /h
Optimal delivery head H_{opt}	14 m
Optimum volume flow Q_{opt}	34 m ³ /h
Pressure connection	Storz C
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.1 bar
Free ball passage	12 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. <i>m</i>	30 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	4.5 A
Rated power P_2	2 kW
Power consumption P_1	2.6 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm ²
Type of connecting cable	Non-detachable
Mains plug	-

Equipment/function

Float switch	-
Motor protection	WSK
Explosion protection	ATEX

Materials

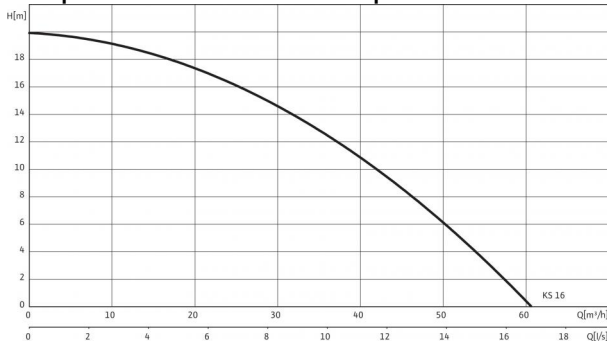
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 16 Ex DMS-Ex

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	19 m
Max. volume flow Q_{max}	60 m³/h
Optimal delivery head H_{opt}	14 m
Optimum volume flow Q_{opt}	34 m³/h
Pressure connection	Storz C
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.1 bar
Free ball passage	12 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S2-15 min
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	30 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	4.5 A
Rated power P_2	2 kW
Power consumption P_1	2.6 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	7G1,5 mm²
Type of connecting cable	Non-detachable
Mains plug	DMS-Ex + CEE 16

Equipment/function

Float switch	•
Motor protection	WSK
Explosion protection	ATEX

Materials

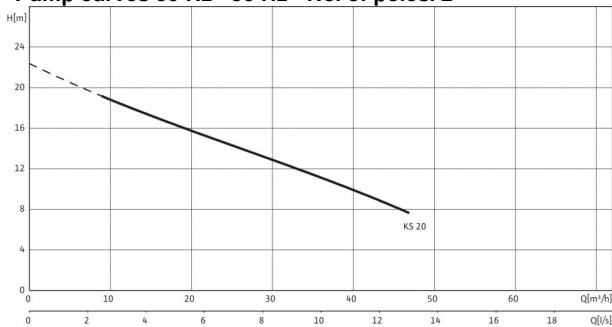
Static seal	FPM
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

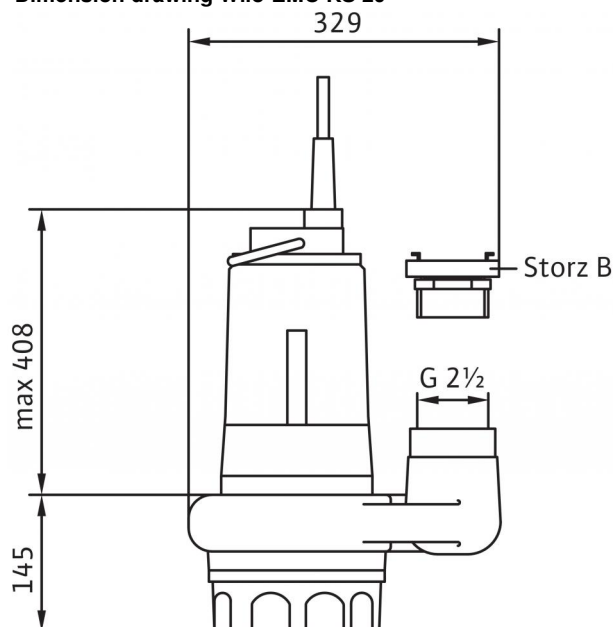
Data sheet: EMU KS 20 D GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 20



Unit

Max. delivery head H_{max}	19 m
Max. volume flow Q_{max}	47 m ³ /h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	30 m ³ /h
Pressure connection	Storz B
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	45 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	42 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	4.65 A
Rated power P_2	2.2 kW
Power consumption P_1	2.8 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

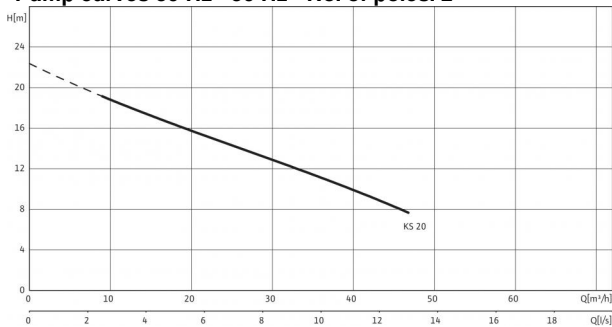
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042090
EAN number	4044966435243
Price group	PG8

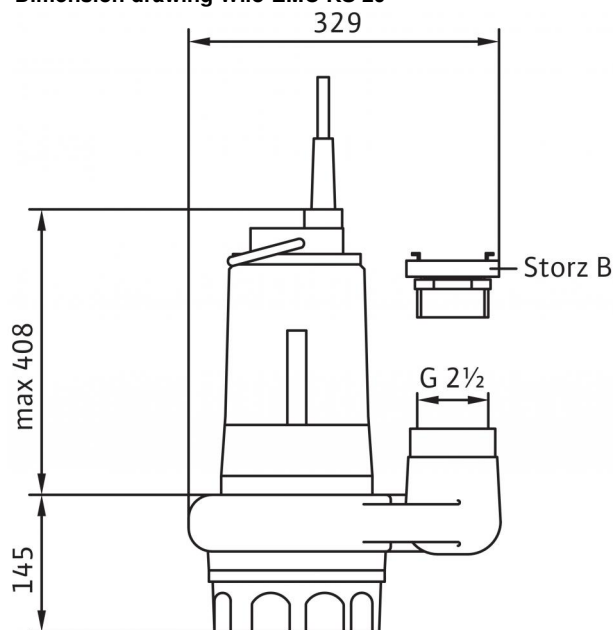
Data sheet: EMU KS 20 DS GG

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 20



Unit

Max. delivery head H_{max}	19 m
Max. volume flow Q_{max}	47 m ³ /h
Optimal delivery head H_{opt}	13 m
Optimum volume flow Q_{opt}	30 m ³ /h
Pressure connection	Storz B
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.4 bar
Free ball passage	45 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	45 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	4.65 A
Rated power P_2	2.2 kW
Power consumption P_1	2.8 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

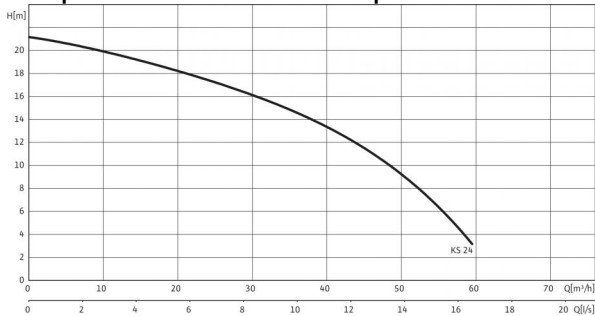
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042091
EAN number	4044966435250
Price group	PG8

Data sheet: EMU KS 24 D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	59 m³/h
Optimal delivery head H_{opt}	14 m
Optimum volume flow Q_{opt}	39 m³/h
Pressure connection	Storz B
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.2 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	34 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	4.7 A
Rated power P_2	2.4 kW
Power consumption P_1	2.8 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

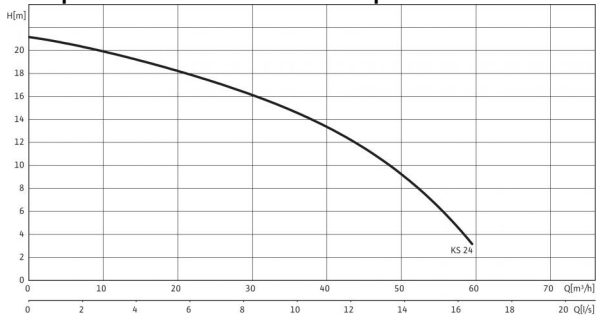
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6001204
EAN number	4044966091241
Price group	PG8

Data sheet: EMU KS 24 DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	21 m
Max. volume flow Q_{max}	59 m ³ /h
Optimal delivery head H_{opt}	14 m
Optimum volume flow Q_{opt}	39 m ³ /h
Pressure connection	Storz B
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.2 bar
Free ball passage	5 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	36 kg

Motor data	
Mains connection	3~400 V, 50 Hz
Rated current I_N	4.7 A
Rated power P_2	2.4 kW
Power consumption P_1	2.8 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	20 m
Cable type	H07RN-F
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

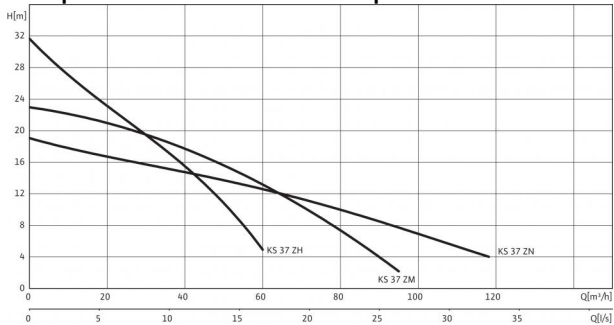
Equipment/function	
Float switch	•
Motor protection	-
Explosion protection	-

Materials	
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Art no.	6023360
EAN number	4044966163771
Price group	PG8

Data sheet: EMU KS 37ZH D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	30 m
Max. volume flow Q_{max}	60 m³/h
Optimal delivery head H_{opt}	16 m
Optimum volume flow Q_{opt}	38 m³/h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	3.4 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	66 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	8 A
Rated power P_2	3.85 kW
Power consumption P_1	4.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

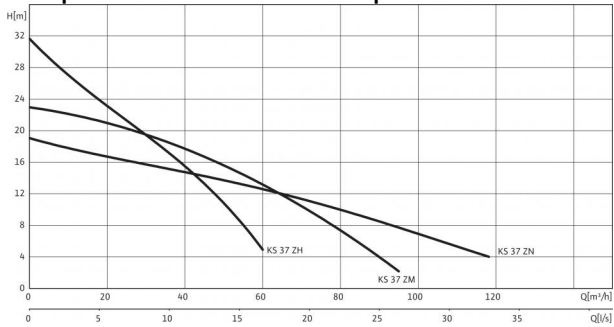
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019730
EAN number	4044966092224
Price group	PG8

Data sheet: EMU KS 37ZH DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	30 m
Max. volume flow Q_{max}	60 m³/h
Optimal delivery head H_{opt}	16 m
Optimum volume flow Q_{opt}	38 m³/h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	3.4 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	67 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	8 A
Rated power P_2	3.85 kW
Power consumption P_1	4.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

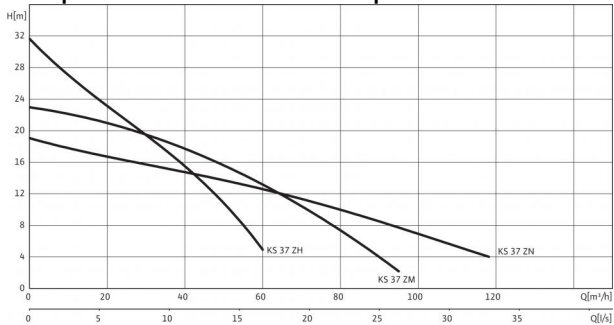
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 37ZM D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	22 m
Max. volume flow Q_{max}	95 m³/h
Optimal delivery head H_{opt}	15 m
Optimum volume flow Q_{opt}	54 m³/h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.5 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	65 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	8 A
Rated power P_2	3.85 kW
Power consumption P_1	4.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

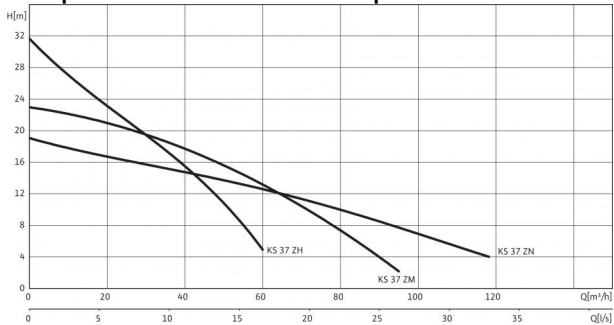
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019731
EAN number	4044966092248
Price group	PG8

Data sheet: EMU KS 37ZM DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	22 m
Max. volume flow Q_{max}	95 m³/h
Optimal delivery head H_{opt}	15 m
Optimum volume flow Q_{opt}	54 m³/h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.5 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	66 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	8 A
Rated power P_2	3.85 kW
Power consumption P_1	4.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

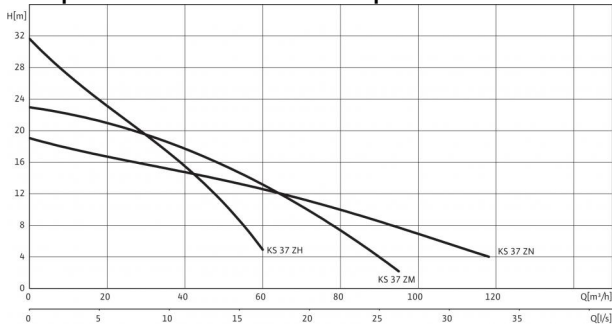
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 37ZN D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	18 m
Max. volume flow Q_{max}	118 m ³ /h
Optimal delivery head H_{opt}	11 m
Optimum volume flow Q_{opt}	74 m ³ /h
Pressure connection	Storz A
Flanges (according to EN 1092-2) <i>PN</i>	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. <i>m</i>	64 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	8 A
Rated power P_2	3.85 kW
Power consumption P_1	4.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G1,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 16 W

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

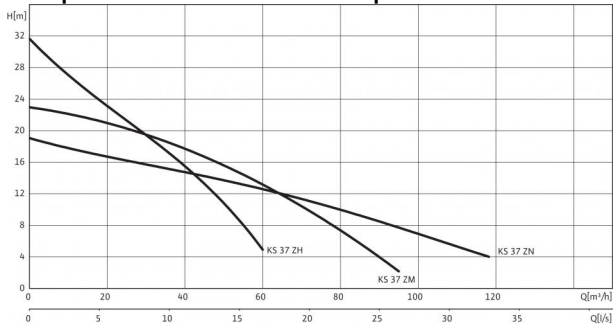
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019732
EAN number	4044966092255
Price group	PG8

Data sheet: EMU KS 37ZN DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	18 m
Max. volume flow Q_{max}	118 m³/h
Optimal delivery head H_{opt}	11 m
Optimum volume flow Q_{opt}	74 m³/h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	65 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	8 A
Rated power P_2	3.85 kW
Power consumption P_1	4.9 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G1,5 mm²
Type of connecting cable	Detachable
Mains plug	CEE M 16 WDSHA

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

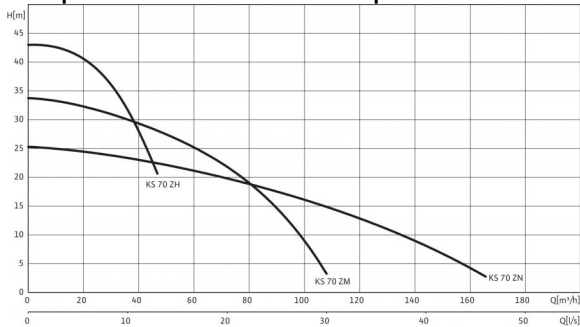
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 70ZH D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	41 m
Max. volume flow Q_{max}	45 m ³ /h
Optimal delivery head H_{opt}	33 m
Optimum volume flow Q_{opt}	36 m ³ /h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	4.5 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	81 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	15.6 A
Rated power P_2	7.5 kW
Power consumption P_1	9.5 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G2,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 32 WD

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

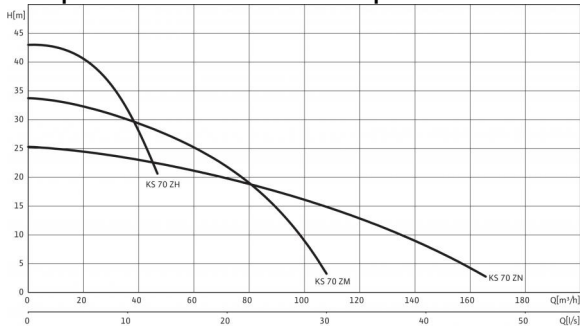
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6021370
EAN number	4044966135327
Price group	PG8

Data sheet: EMU KS 70ZH DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	41 m
Max. volume flow Q_{max}	45 m ³ /h
Optimal delivery head H_{opt}	33 m
Optimum volume flow Q_{opt}	36 m ³ /h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	4.5 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	82 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	15.6 A
Rated power P_2	7.5 kW
Power consumption P_1	9.5 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G2,5 mm ²
Type of connecting cable	Detachable
Mains plug	DMS + CEE M 32

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

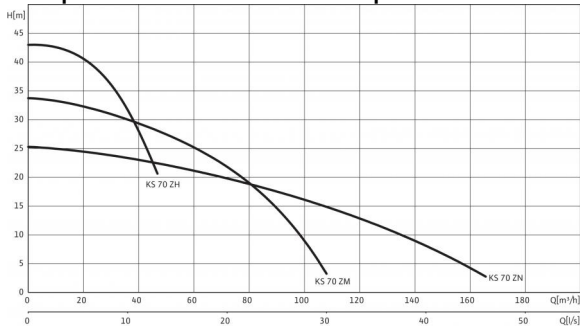
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 70ZM D

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	32 m
Max. volume flow Q_{max}	105 m ³ /h
Optimal delivery head H_{opt}	24 m
Optimum volume flow Q_{opt}	65 m ³ /h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	3.5 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	81 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	15.6 A
Rated power P_2	7.5 kW
Power consumption P_1	9.5 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G2,5 mm ²
Type of connecting cable	Detachable
Mains plug	CEE M 32 WD

Equipment/function

Float switch	-
Motor protection	-
Explosion protection	-

Materials

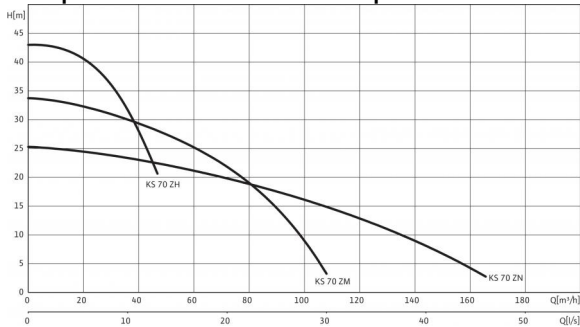
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6021343
EAN number	4044966135389
Price group	PG8

Data sheet: EMU KS 70ZM DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit

Max. delivery head H_{max}	32 m
Max. volume flow Q_{max}	105 m ³ /h
Optimal delivery head H_{opt}	24 m
Optimum volume flow Q_{opt}	65 m ³ /h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	3.5 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	82 kg

Motor data

Mains connection	3~400 V, 50 Hz
Rated current I_N	15.6 A
Rated power P_2	7.5 kW
Power consumption P_1	9.5 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable

Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G2,5 mm ²
Type of connecting cable	Detachable
Mains plug	DMS + CEE M 32

Equipment/function

Float switch	•
Motor protection	-
Explosion protection	-

Materials

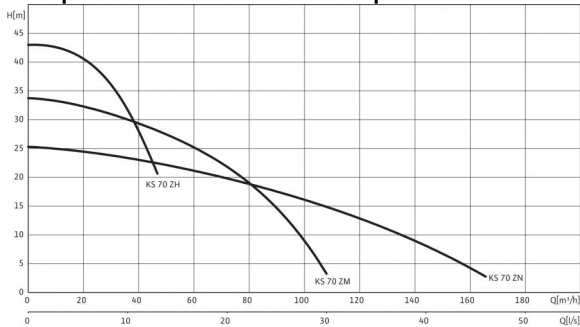
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Price group	PG7

Data sheet: EMU KS 70ZN DS

Pump curves 50 Hz - 50 Hz - No. of poles: 2



Pump curves in accordance with ISO 9906, Appendix A

Unit	
Max. delivery head H_{max}	24 m
Max. volume flow Q_{max}	160 m ³ /h
Optimal delivery head H_{opt}	16 m
Optimum volume flow Q_{opt}	97 m ³ /h
Pressure connection	Storz A
Flanges (according to EN 1092-2) PN	PN 10
Connection standard	EN 1092
Maximum operating pressure p_{max}	2.6 bar
Free ball passage	6 mm
Operating mode (immersed)	S1
Operating mode (non-immersed)	S1
Max. immersion depth	12.5 m
Protection class	IP 68
Fluid temperature T	+3 ... +40 °C
Weight approx. m	80 kg

Motor data	
Mains connection	3~400 V, 50 Hz
Rated current I_N	15.6 A
Rated power P_2	7.5 kW
Power consumption P_1	9.5 kW
Activation type	Direct
Rated speed n	2,900 rpm
No. of poles	2
Insulation class	F
Max. switching frequency	15 1/h

Cable	
Length of connecting cable	20 m
Cable type	NSSHÖU
Cable cross-section	4G2,5 mm ²
Type of connecting cable	Detachable
Mains plug	DMS + CEE M 32

Equipment/function	
Float switch	•
Motor protection	-
Explosion protection	-

Materials	
Static seal	FPM
Impeller	EN-GJS-500-7
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements	
Make	Wilo
Price group	PG7