



ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.



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Axiom Water companies

Series description: Wilo-EMU KS



Design

Submersible drainage pump

Type key

Example: **Wilo-EMU KS 15 X**

KS	Drainage pump
15	Code number for distinguishing between pumps
X	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)
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

For pumping wastewater with foreign matter of max. Ø 45 mm (depending on the model), for

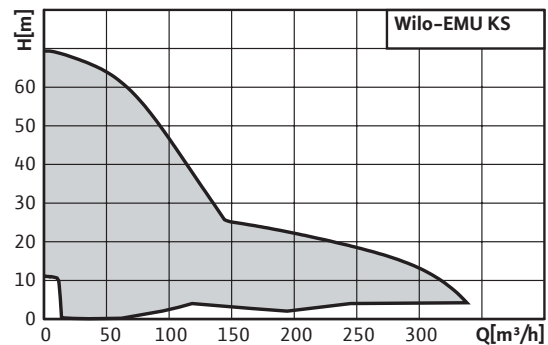
- Excavation pits, basins and sumps
- Flooded basement areas
- Use in fountains

Special features/product advantages

- Long service life
- High operational reliability
- Slurping operation possible
- Suitable for permanent operation
- Easy handling

Technical data

- Mains connection: 1~230 V, 50 Hz or 3~400 V, 50 Hz
- Protection class: IP 68



Equipment/function

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

Description/design

Submersible wastewater pump as submersible monobloc unit for portable wet well and dry well installation as well as stationary dry 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

Dry 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 dry motors have thermal motor monitoring and sheath current cooling. The Ex-rated units KS 5, KS 6 and KS 16 are equipped with a dry motor without sheath current cooling. All models can be used both immersed and non-immersed, in permanent operation. 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, and cable lengths are available in fixed lengths measured in 10 m intervals. The S model is equipped with a float switch. All models are equipped with plugs. The DMS versions are equipped with switchgears with integrated motor protection.

Sealing

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 (KS 220: aluminium)
- Impeller: EN-GJL 250 (KS 220: Abrasite)
- Shaft: 1.4021
- Sealing on motor side: mechanical seal in various material versions
- Sealing on pump side: mechanical seal SiC/SiC
- Static seals: Viton

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.



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Series description: Wilo-EMU KS

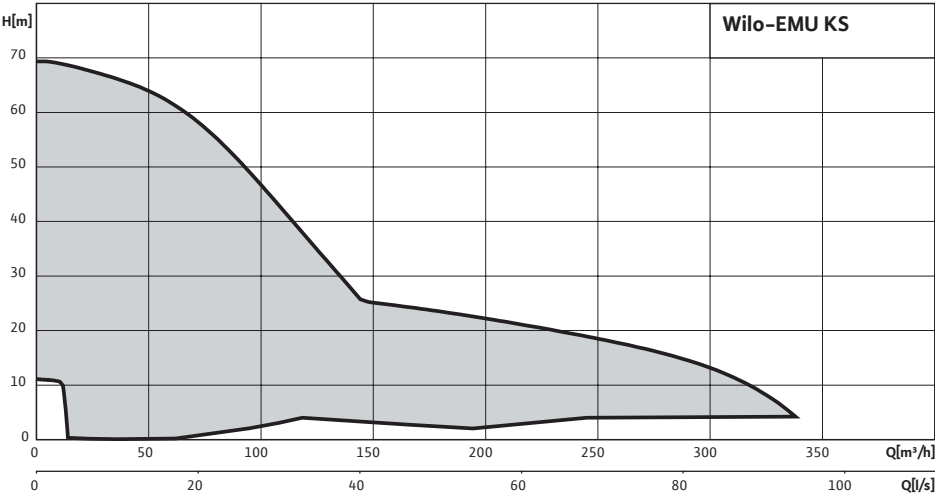
- Max. immersion depth: 12.5 m
- Fluid temperature: 3 - 40 °C
- Cable length: 10 m/20 m
- Free ball passage: 5 - 45 mm (depending on type)
- Pressure port: G 1¼, G 2, G 2½, G 3, G 4, G 6 (depending on type)



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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 for mechanical seal on motor side	•
Sealing for rotary shaft seal on motor side	–
Sealing for mechanical seal on fluid side	•
Sealing for rotary shaft seal on fluid side	–
Single-phase 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	•
Connecting 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	Max. delivery head	Optimum volume flow	Optimal delivery head	Nominal motor power	Art No.
				$Q_{max}/m^3/h$	H_{max}/m	$Q_{opt}/m^3/h$	H_{opt}/m	P_2/kW	
KS 5 Ex D0	3~400 V, 50 Hz	G 1½	Storz C	24	16	11	11	0.75	6030969
KS 5 Ex DMS	3~400 V, 50 Hz	G 1½	Storz C	24	16	11	11	0.75	on request
KS 6 Ex D0	3~400 V, 50 Hz	G 1½	Storz C	12	21	8	17	0.75	on request
KS 6 Ex DMS	3~400 V, 50 Hz	G 1½	Storz C	12	21	8	17	0.75	on request
KS 8 D GG	3~400 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	on request
KS 8 D	3~400 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	6019736
KS 8 DS GG	3~400 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	on request
KS 8 DS	3~400 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	6019739
KS 8 E GG	1~230 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	on request
KS 8 E	1~230 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	6019740
KS 8 ES GG	1~230 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	on request
KS 8 ES	1~230 V, 50 Hz	G 1½	Storz C	23	17	9	13	0.75	6019741
KS 9 D GG	3~400 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	on request
KS 9 D	3~400 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	6019743
KS 9 DS GG	3~400 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	on request
KS 9 DS	3~400 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	on request
KS 9 E GG	1~230 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	on request
KS 9 E	1~230 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	6019745
KS 9 ES GG	1~230 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	on request
KS 9 ES	1~230 V, 50 Hz	G 1½	Storz C	14	21	8	17	0.75	6020835
KS 12 D GG	3~400 V, 50 Hz	G 2	Storz C	27	13	16	8	1.30	6042087
KS 12 DS GG	3~400 V, 50 Hz	G 2	Storz C	27	13	16	8	1.30	6042089
KS 12 E GG	1~230 V, 50 Hz	G 2	Storz C	27	13	16	8	1.30	6042086
KS 12 ES GG	1~230 V, 50 Hz	G 2	Storz C	27	13	16	8	1.30	6042088
KS 14 D GG	3~400 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	on request
KS 14 D	3~400 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	6019447
KS 14 DS GG	3~400 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	on request
KS 14 DS	3~400 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	on request
KS 14 E GG	1~230 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	on request

Product list: Wilo-EMU KS

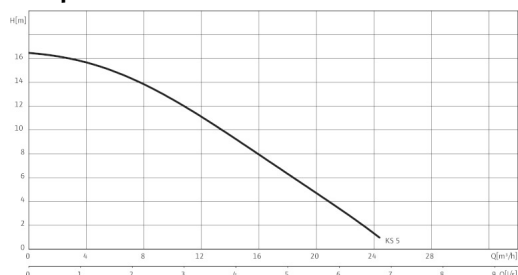
Pump type	Mains connection	Pressure connection	Pressure port	Max. volume flow	Max. delivery head	Optimum volume flow	Optimal delivery head	Nominal motor power	Art No.
				$Q_{max}/m^3/h$	H_{max}/m	$Q_{opt}/m^3/h$	H_{opt}/m	P_2/kW	
KS 14 E	1~230 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	6019448
KS 14 ES GG	1~230 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	on request
KS 14 ES	1~230 V, 50 Hz	G 2	Storz C	35	11	20	9	0.75	6019449
KS 15 D GG	3~400 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	on request
KS 15 D	3~400 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	6019450
KS 15 DS GG	3~400 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	on request
KS 15 DS	3~400 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	6019784
KS 15 E GG	1~230 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	on request
KS 15 E	1~230 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	6019785
KS 15 ES GG	1~230 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	on request
KS 15 ES	1~230 V, 50 Hz	G 2	Storz C	42	15	26	12	1.30	6001201
KS 16 Ex D0	3~400 V, 50 Hz	G 2	Storz C	60	19	34	14	2	on request
KS 16 Ex DMS-Ex	3~400 V, 50 Hz	G 2	Storz C	60	19	34	14	2	on request
KS 20 D GG	3~400 V, 50 Hz	G 2½	Storz B	47	19	30	13	2.20	6042090
KS 20 DS GG	3~400 V, 50 Hz	G 2½	Storz B	47	19	30	13	2.20	6042091
KS 24 D	3~400 V, 50 Hz	G 3	Storz B	59	21	39	14	2.40	6001204
KS 24 DS	3~400 V, 50 Hz	G 3	Storz B	59	21	39	14	2.40	6023360
KS 37ZH D	3~400 V, 50 Hz	G 4	Storz A	60	30	38	16	3.70	6019730
KS 37ZH DS	3~400 V, 50 Hz	G 4	Storz A	60	30	38	16	3.70	on request
KS 37ZM D	3~400 V, 50 Hz	G 4	Storz A	95	22	54	15	3.70	6019731
KS 37ZM DS	3~400 V, 50 Hz	G 4	Storz A	95	22	54	15	3.70	on request
KS 37ZN D	3~400 V, 50 Hz	G 4	Storz A	118	18	74	11	3.70	6019732
KS 37ZN DS	3~400 V, 50 Hz	G 4	Storz A	118	18	74	11	3.70	on request
KS 70ZH D	3~400 V, 50 Hz	G 4	Storz A	45	41	36	33	7.50	6021370
KS 70ZH DS	3~400 V, 50 Hz	G 4	Storz A	45	41	36	33	7.50	on request
KS 70ZM D	3~400 V, 50 Hz	G 4	Storz A	105	32	65	24	7.50	6021343
KS 70ZM DS	3~400 V, 50 Hz	G 4	Storz A	105	32	65	24	7.50	on request
KS 70ZN D	3~400 V, 50 Hz	G 4	Storz A	160	24	97	16	7.50	6021369
KS 70ZN DS	3~400 V, 50 Hz	G 4	Storz A	160	24	97	16	7.50	on request

Product list: Wilo-EMU KS

Pump type	Mains connection	Pressure connection	Pressure port	Max. volume flow	Max. delivery head	Optimum volume flow	Optimal delivery head	Nominal motor power	Art No.
				$Q_{max}/m^3/h$	H_{max}/m	$Q_{opt}/m^3/h$	H_{opt}/m	P_2/kW	
KS 220H Ceram	3~400 V, 50 Hz	G 6	Storz F	166	71	92	50	22	on request
KS 220MH Ceram	3~400 V, 50 Hz	G 6	Storz F	190	55	133	27	22	on request
KS 220MN Ceram	3~400 V, 50 Hz	G 6	Storz F	250	40	121	28	22	on request
KS 220N Ceram	3~400 V, 50 Hz	G 6	Storz F	340	31	194	23	22	on request

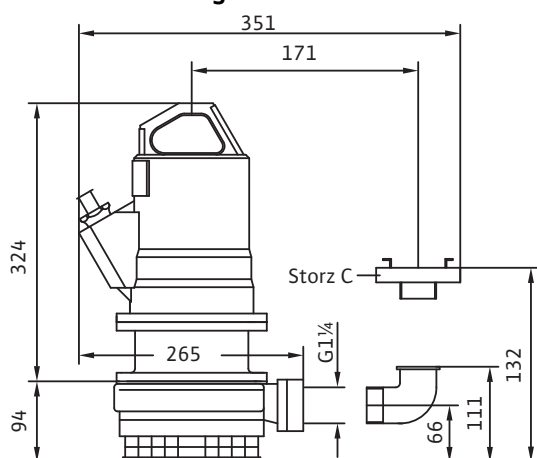
Data sheet: Wilo-EMU KS 5 Ex D0

Pump curves Wilo-EMU KS 5 Ex - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 5Ex



Unit

Max. delivery head	H_{max}	16 m
Max. volume flow	Q_{max}	24 m³/h
Optimal delivery head	H_{opt}	11 m
Optimum volume flow	Q_{opt}	11 m³/h
Pressure connection		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-30 min
Max. immersion depth		12.5000 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
Nominal current	I_N	1.760 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials

Static seal		FPM
Impeller		EN-GJL-250



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Data sheet: Wilo-EMU KS 5 Ex D0

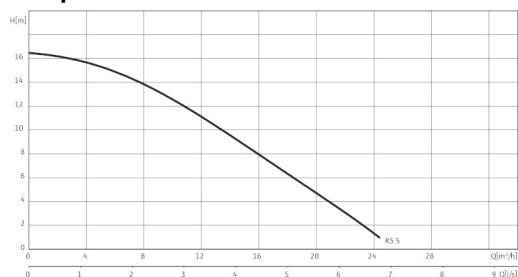
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6030969
EAN number	4044966262221
Ready for delivery	Stock
Price group	W8

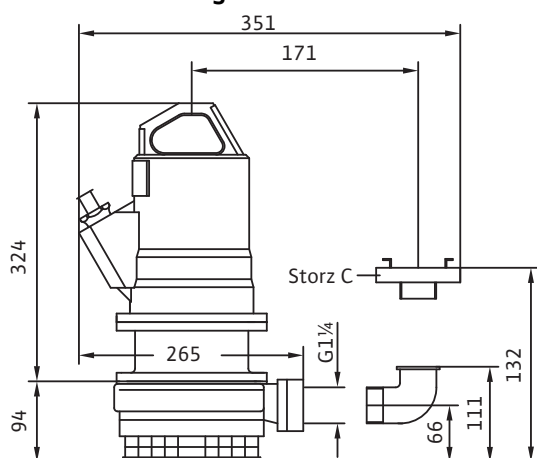
Data sheet: Wilo-EMU KS 5 Ex DMS

Pump curves Wilo-EMU KS 5 Ex - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 5Ex



Unit

Max. delivery head	H_{max}	16 m
Max. volume flow	Q_{max}	24 m³/h
Optimal delivery head	H_{opt}	11 m
Optimum volume flow	Q_{opt}	11 m³/h
Pressure connection		G 1 1/4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-30 min
Max. immersion depth		12.5000 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
Nominal current	I_N	1.760 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 5 Ex DMS

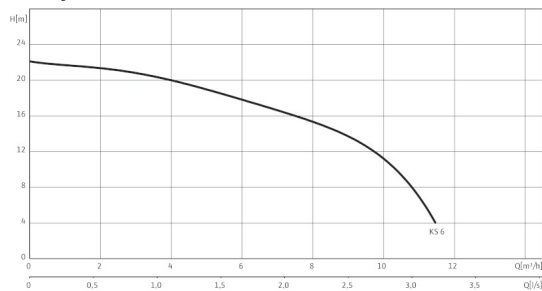
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

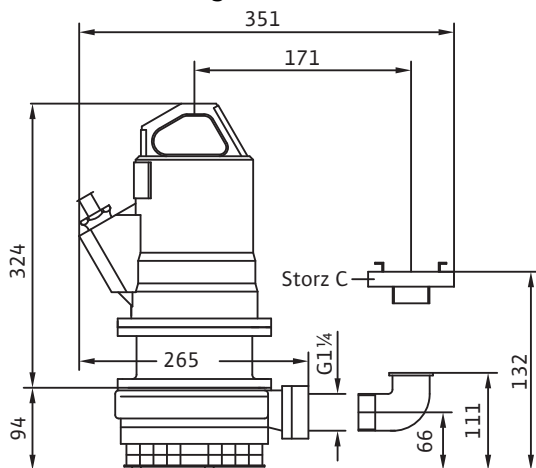
Data sheet: Wilo-EMU KS 6 Ex D0

Pump curves Wilo-EMU KS 6 Ex - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 6Ex



Unit

Max. delivery head	H_{max}	21 m
Max. volume flow	Q_{max}	12 m³/h
Optimal delivery head	H_{opt}	17 m
Optimum volume flow	Q_{opt}	8 m³/h
Pressure connection		G 1¼
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		12.5000 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
Nominal current	I_N	1.760 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials

Static seal		FPM
Impeller		EN-GJL-250

Data sheet: Wilo-EMU KS 6 Ex D0

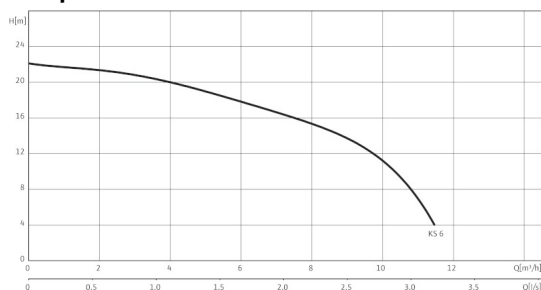
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

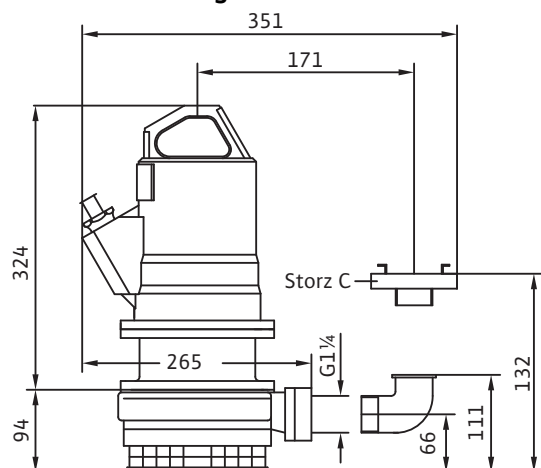
Data sheet: Wilo-EMU KS 6 Ex DMS

Pump curves Wilo-EMU KS 6 Ex - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 6Ex



Unit

Max. delivery head	H_{max}	21 m
Max. volume flow	Q_{max}	12 m³/h
Optimal delivery head	H_{opt}	17 m
Optimum volume flow	Q_{opt}	8 m³/h
Pressure connection		G 1¼
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		12.5000 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
Nominal current	I_N	1.760 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 6 Ex DMS

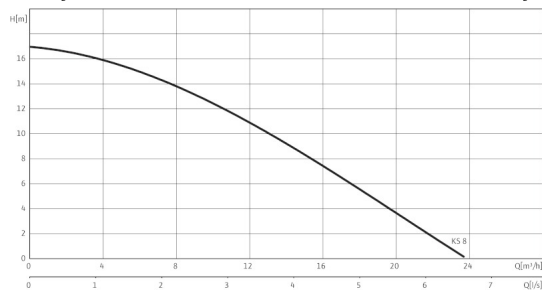
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

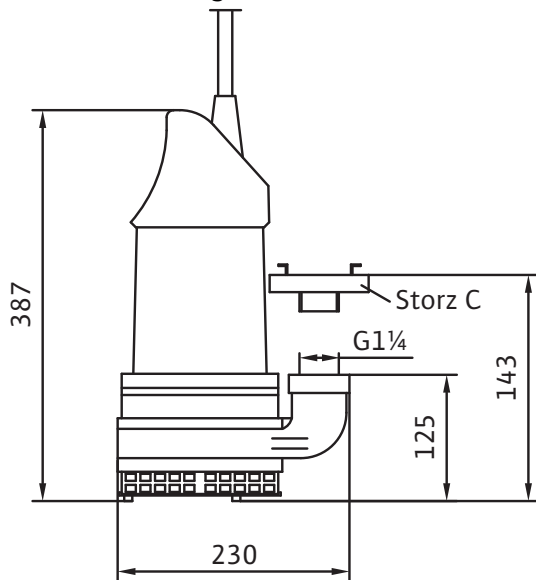
Data sheet: Wilo-EMU KS 8 E

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 8 E

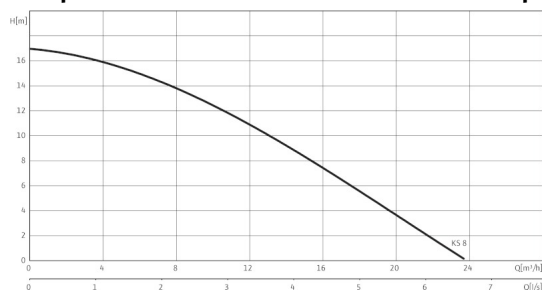
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019740
EAN number	4044966092750
Ready for delivery	Stock
Price group	W8

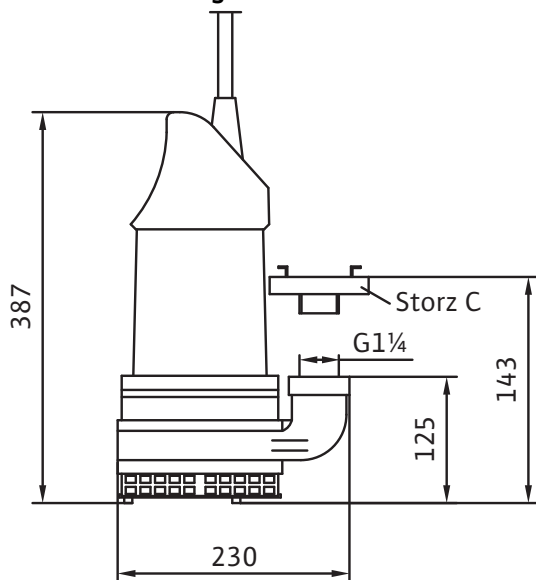
Data sheet: Wilo-EMU KS 8 ES

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 8 ES

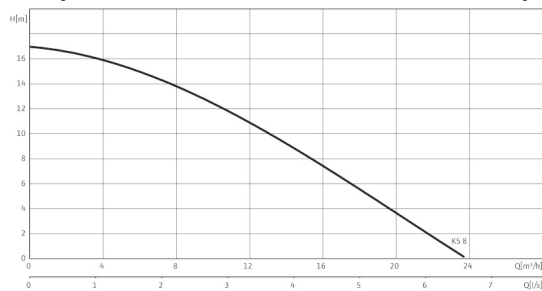
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019741
EAN number	4044966092767
Ready for delivery	Stock
Price group	W8

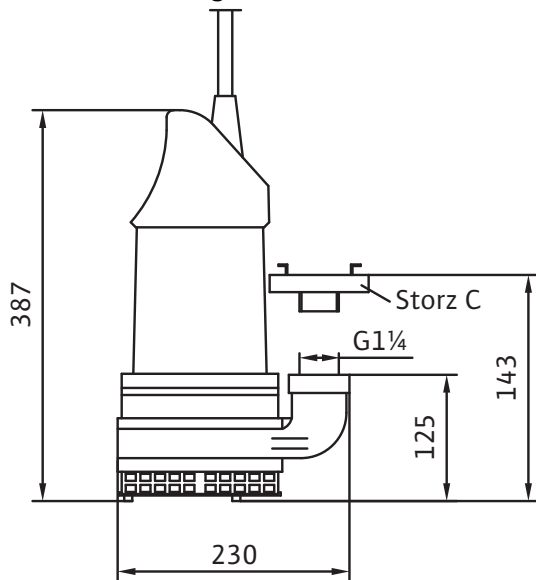
Data sheet: Wilo-EMU KS 8 D

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 8 D

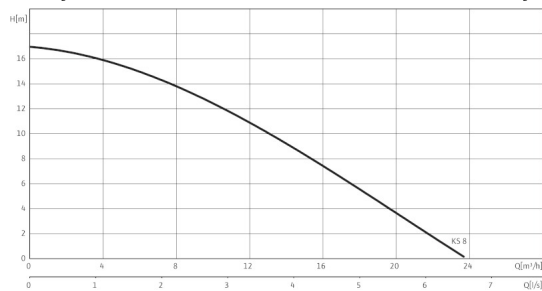
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019736
EAN number	4044966092712
Ready for delivery	Stock
Price group	W8

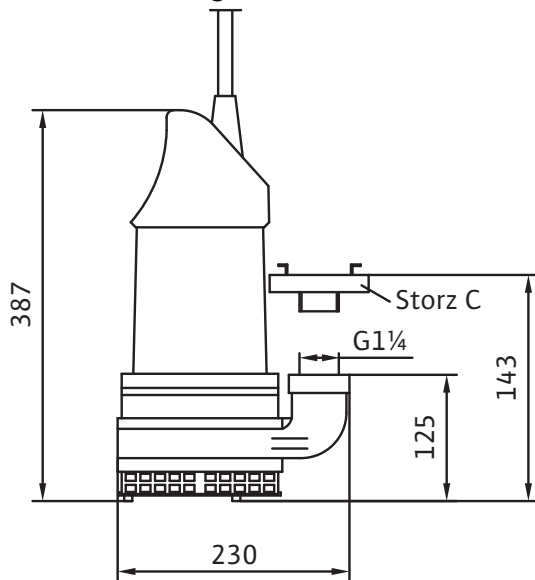
Data sheet: Wilo-EMU KS 8 DS

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



Data sheet: Wilo-EMU KS 8 DS

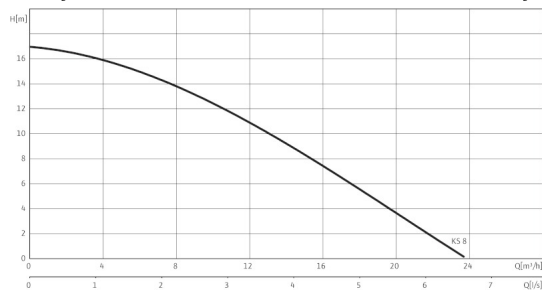
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019739
EAN number	4044966092743
Ready for delivery	Stock
Price group	W8

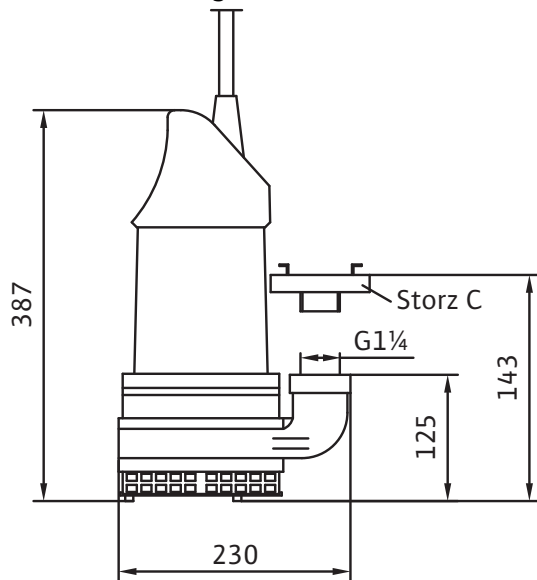
Data sheet: Wilo-EMU KS 8 E GG

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 8 E GG

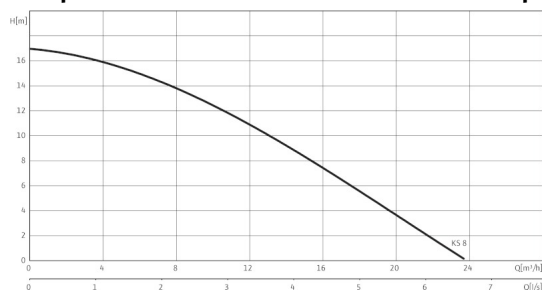
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

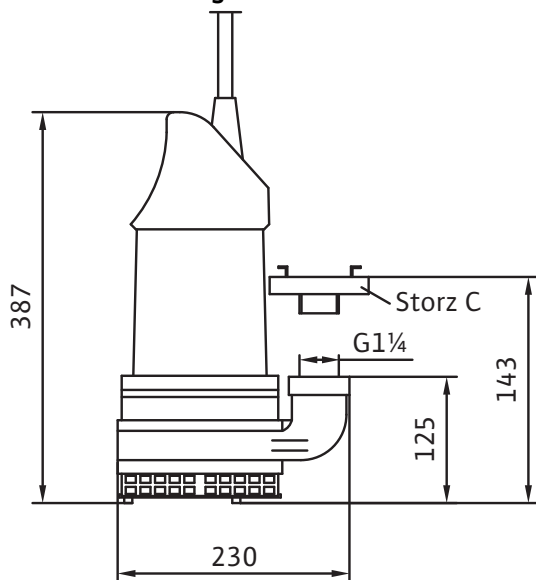
Data sheet: Wilo-EMU KS 8 ES GG

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 8 ES GG

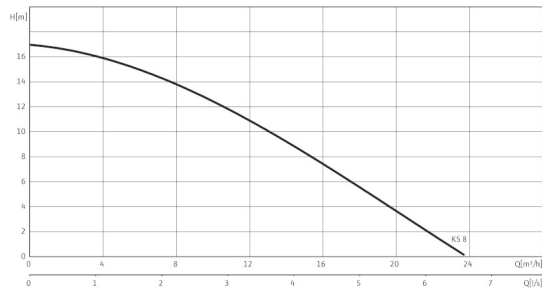
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

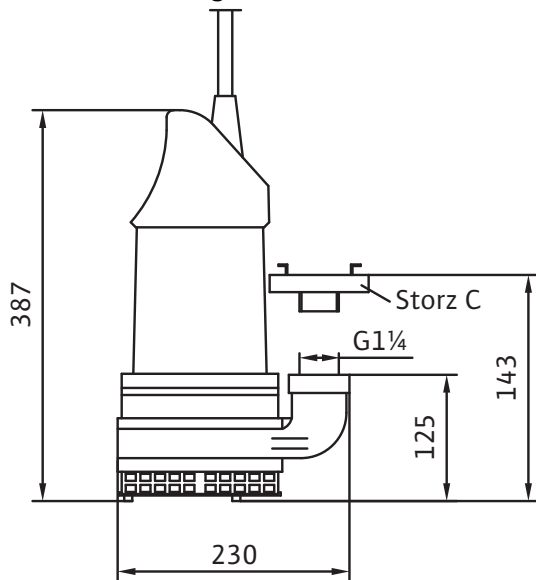
Data sheet: Wilo-EMU KS 8 D GG

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



Data sheet: Wilo-EMU KS 8 D GG

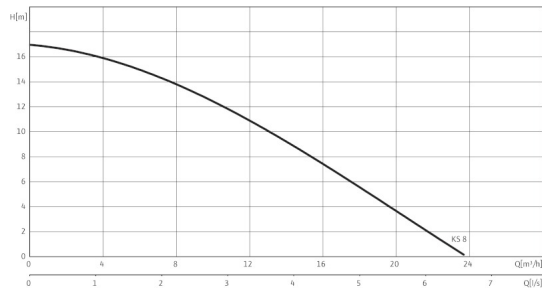
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

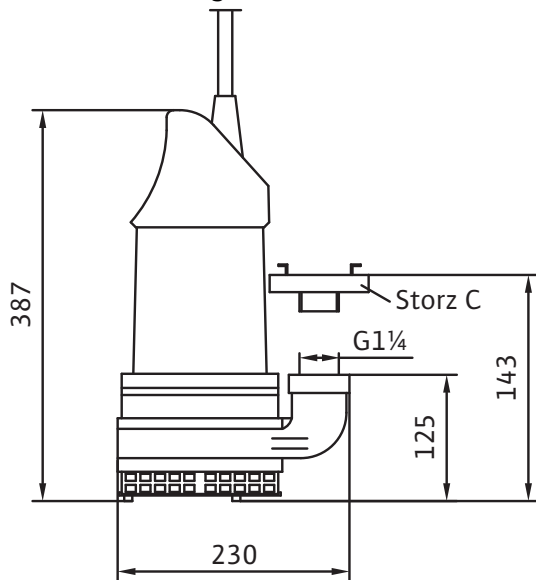
Data sheet: Wilo-EMU KS 8 DS GG

Pump curves Wilo-EMU KS 8 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 8



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		9 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 8 DS GG

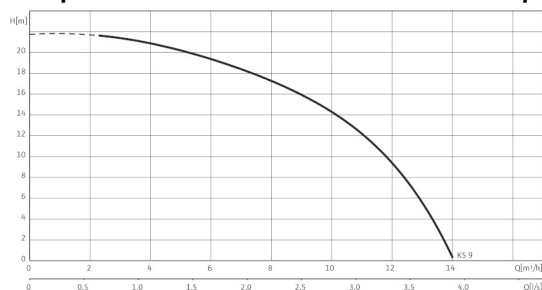
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

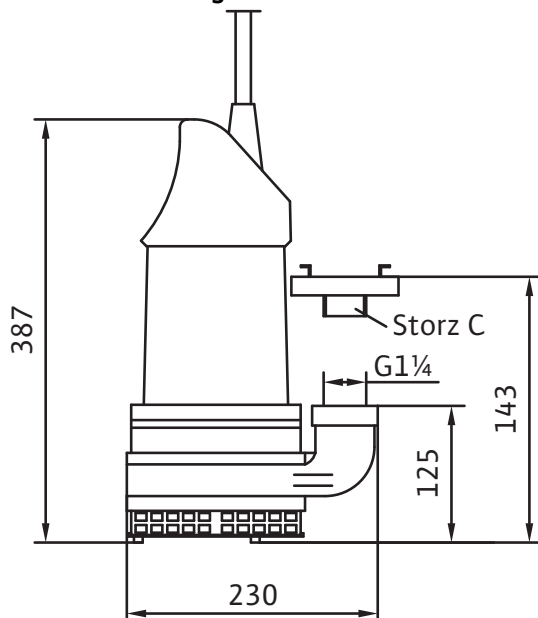
Data sheet: Wilo-EMU KS 9 E

Pump curves Wilo-EMU KS 9 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 E

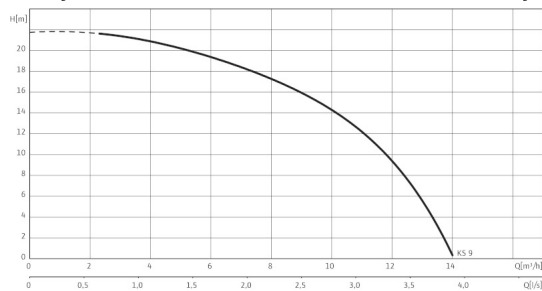
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019745
EAN number	4044966092903
Ready for delivery	Stock
Price group	W8

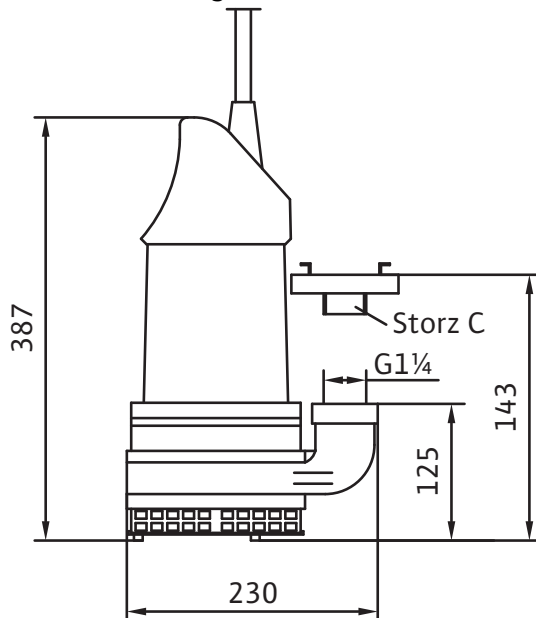
Data sheet: Wilo-EMU KS 9 ES

Pump curves Wilo-EMU KS 9 – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1¼
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 ES

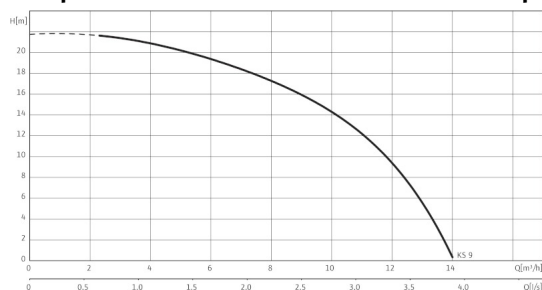
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6020835
EAN number	4044966141915
Ready for delivery	Stock
Price group	W8

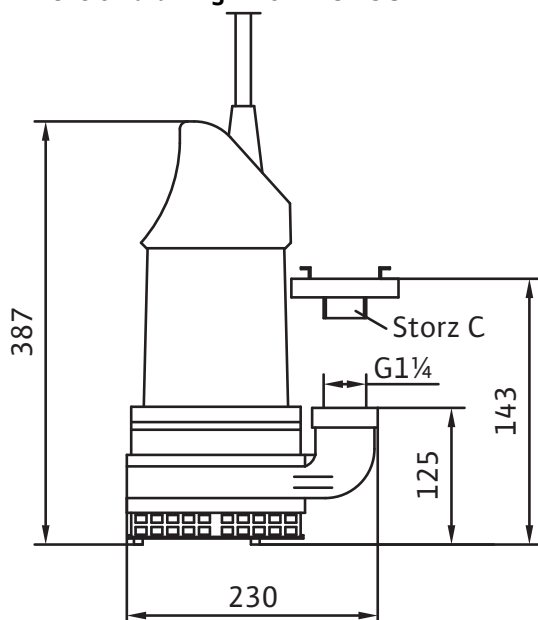
Data sheet: Wilo-EMU KS 9 D

Pump curves Wilo-EMU KS 9 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 D

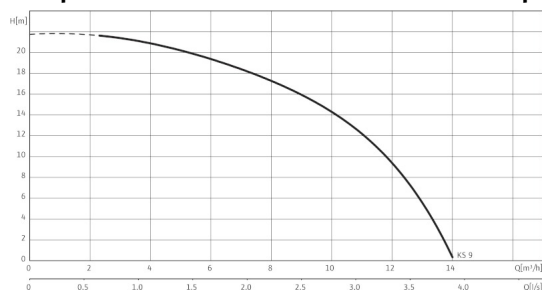
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019743
EAN number	4044966092781
Ready for delivery	Stock
Price group	W8

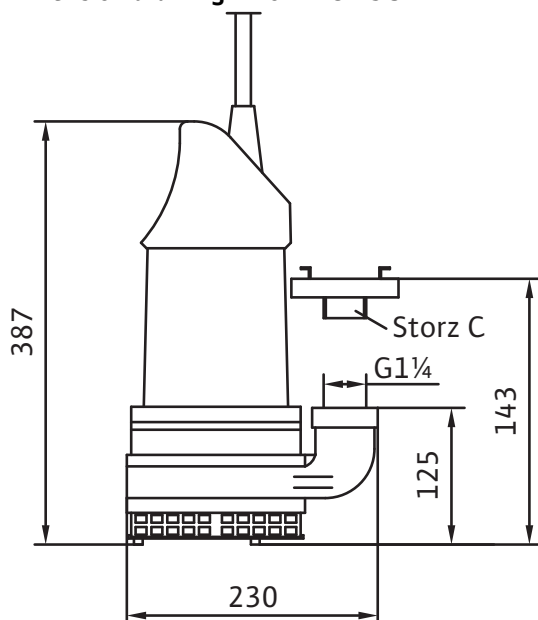
Data sheet: Wilo-EMU KS 9 DS

Pump curves Wilo-EMU KS 9 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1¼
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 DS

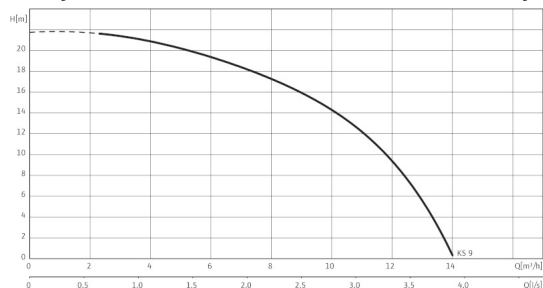
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

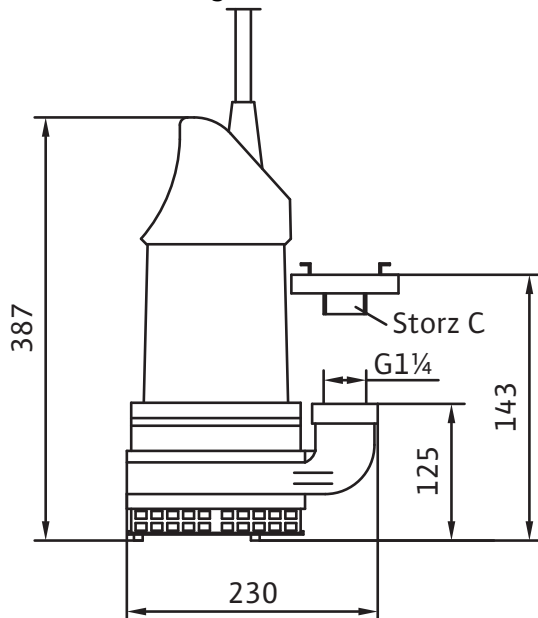
Data sheet: Wilo-EMU KS 9 E GG

Pump curves Wilo-EMU KS 9 – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1¼
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 E GG

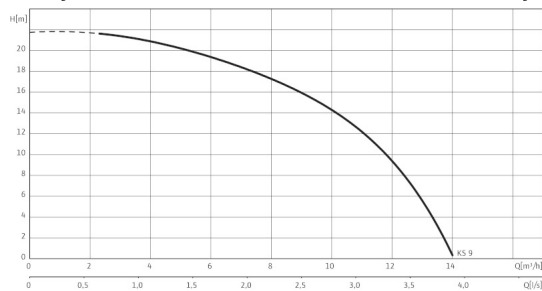
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

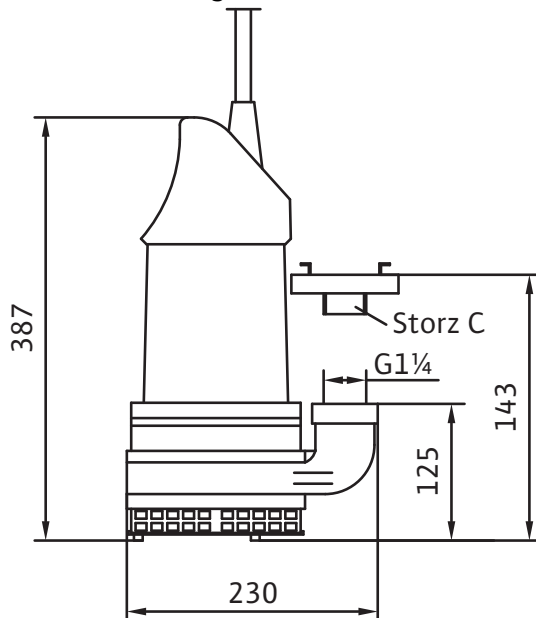
Data sheet: Wilo-EMU KS 9 ES GG

Pump curves Wilo-EMU KS 9 – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 ES GG

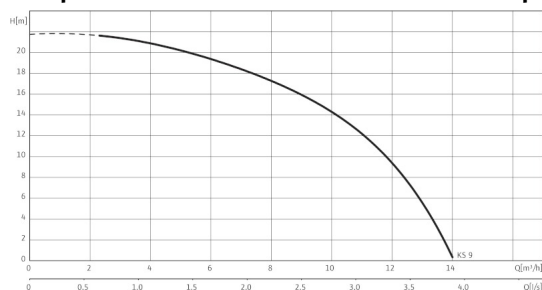
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

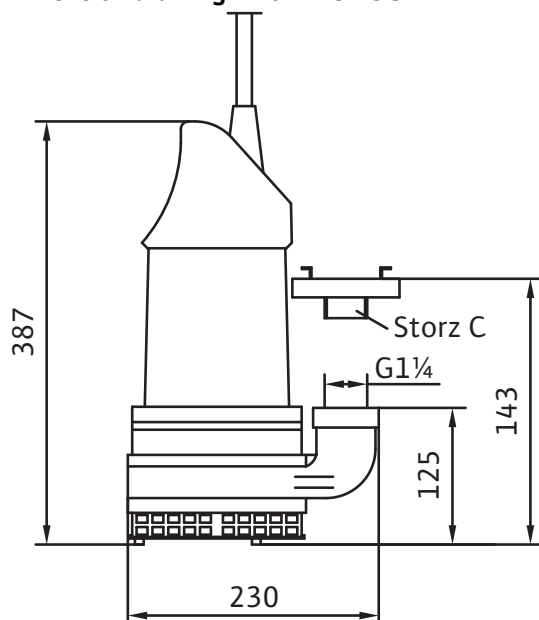
Data sheet: Wilo-EMU KS 9 D GG

Pump curves Wilo-EMU KS 9 – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 D GG

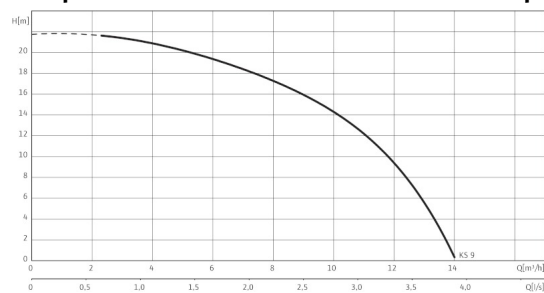
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

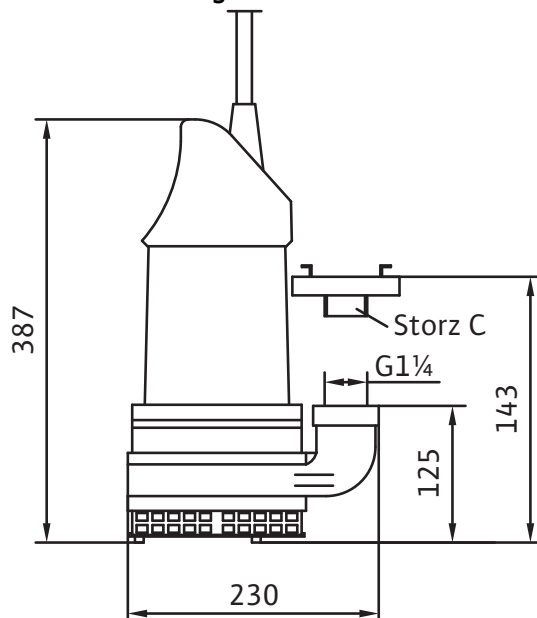
Data sheet: Wilo-EMU KS 9 DS GG

Pump curves Wilo-EMU KS 9 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 9



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		G 1¼
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 9 DS GG

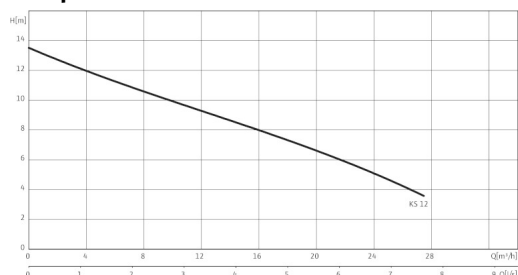
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

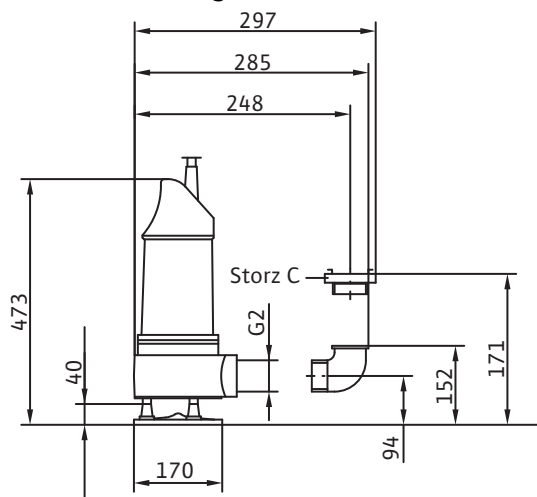
Data sheet: Wilo-EMU KS 12 E GG

Pump curves Wilo-EMU KS 12 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 12



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		40 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	9.40 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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
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Data sheet: Wilo-EMU KS 12 E GG

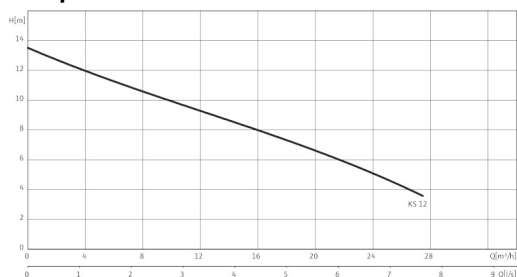
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042086
EAN number	4044966435205
Ready for delivery	Stock
Price group	W8

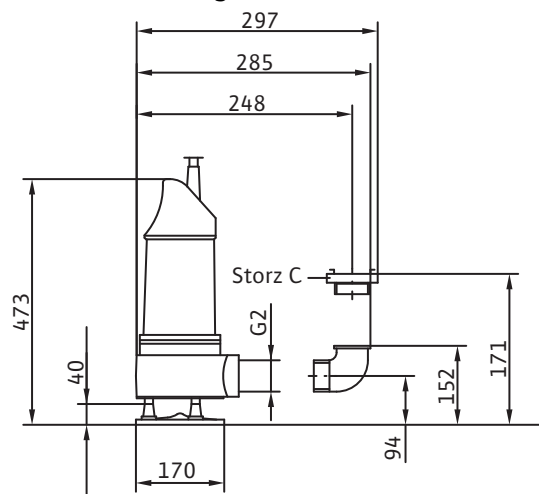
Data sheet: Wilo-EMU KS 12 ES GG

Pump curves Wilo-EMU KS 12 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 12



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		40 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	9.40 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 12 ES GG

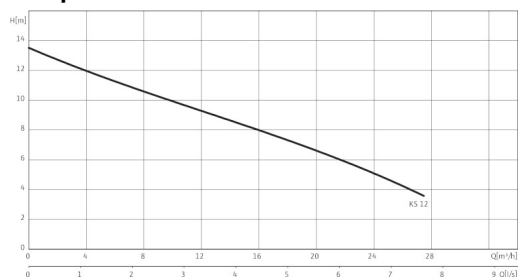
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042088
EAN number	4044966435229
Ready for delivery	Stock
Price group	W8

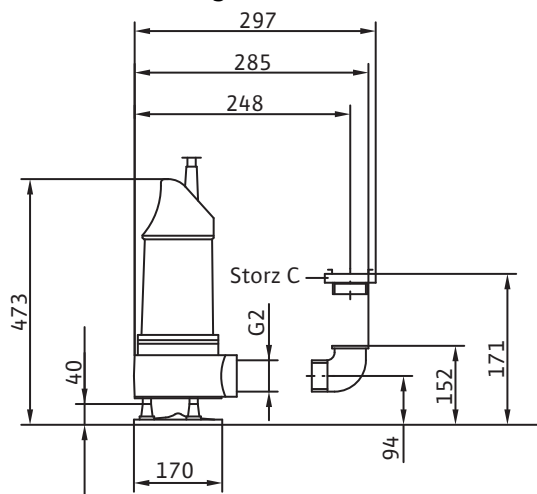
Data sheet: Wilo-EMU KS 12 D GG

Pump curves Wilo-EMU KS 12 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 12



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		40 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	3.150 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 12 D GG

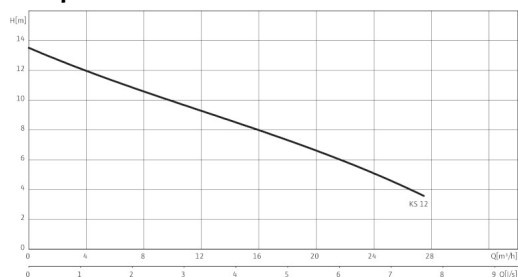
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042087
EAN number	4044966435212
Ready for delivery	Stock
Price group	W8

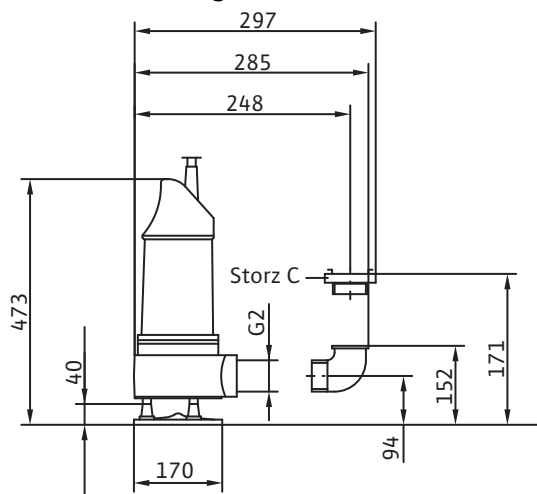
Data sheet: Wilo-EMU KS 12 DS GG

Pump curves Wilo-EMU KS 12 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 12



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		40 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	3.150 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 12 DS GG

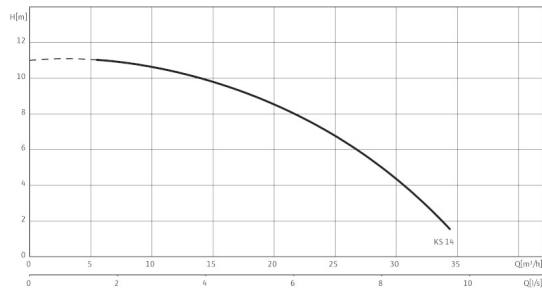
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042089
EAN number	4044966435236
Ready for delivery	Stock
Price group	W8

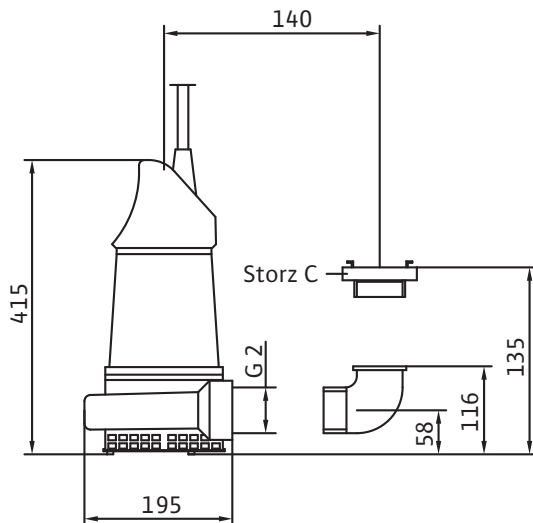
Data sheet: Wilo-EMU KS 14 E

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 14 E

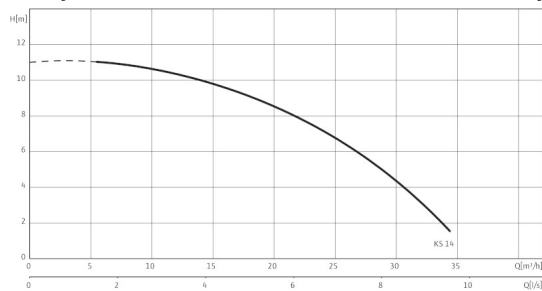
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019448
EAN number	4044966092279
Ready for delivery	Stock
Price group	W8

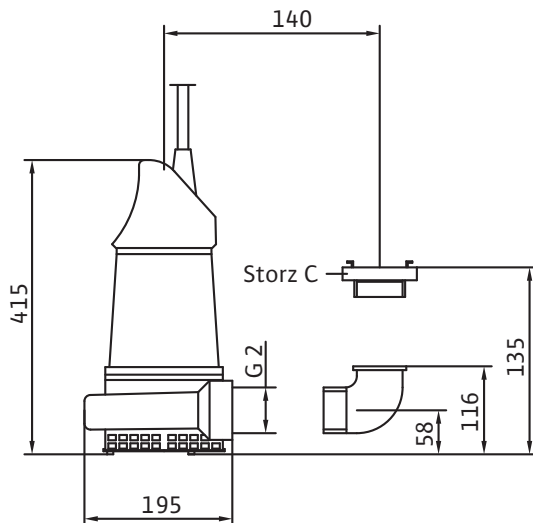
Data sheet: Wilo-EMU KS 14 ES

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 14 ES

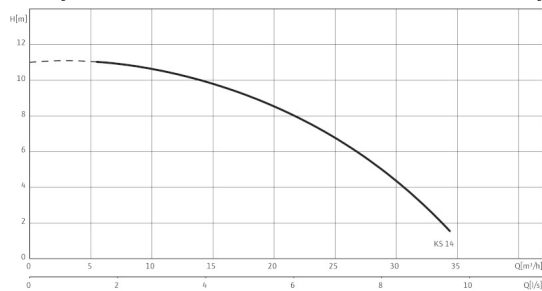
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019449
EAN number	4044966092286
Ready for delivery	Stock
Price group	W8

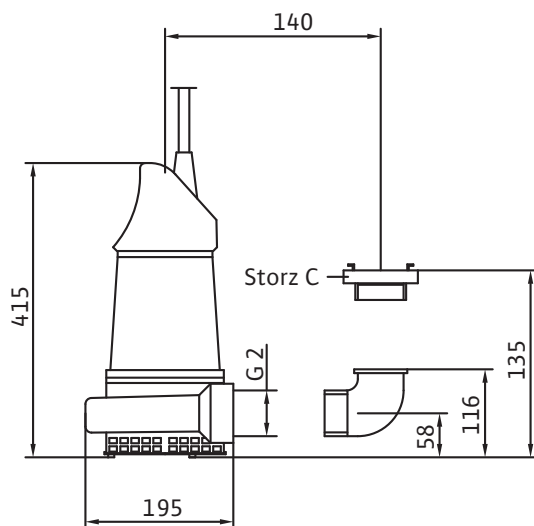
Data sheet: Wilo-EMU KS 14 D

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 14 D

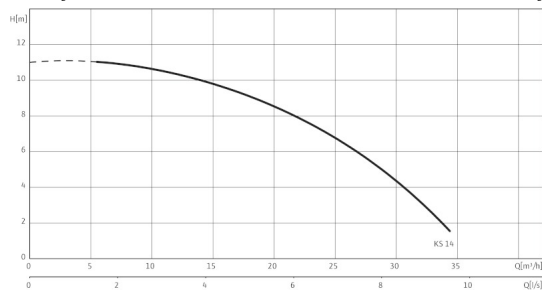
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019447
EAN number	4044966092262
Ready for delivery	Stock
Price group	W8

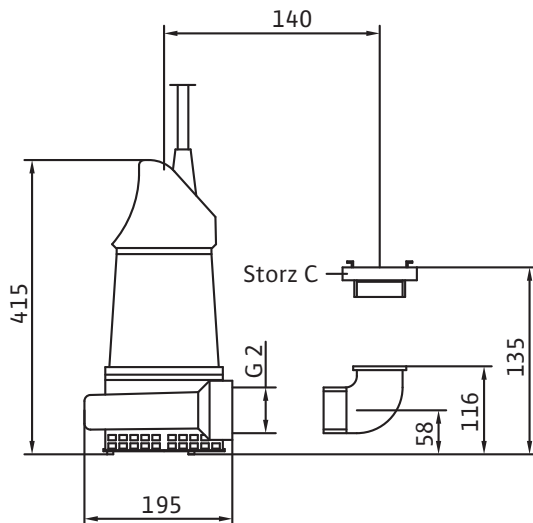
Data sheet: Wilo-EMU KS 14 DS

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



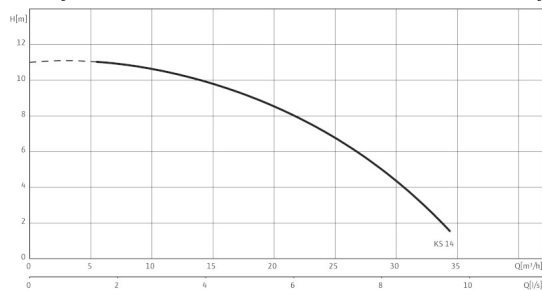
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Data sheet: Wilo-EMU KS 14 DS

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
Ready for delivery	Delivery time on request
Price group	W8

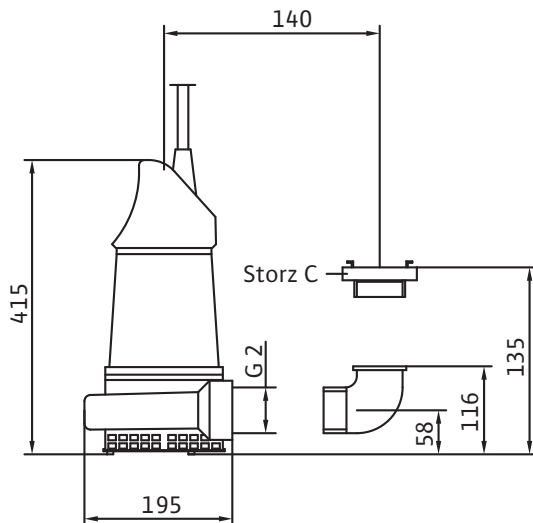
Data sheet: Wilo-EMU KS 14 E GG

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 14 E GG

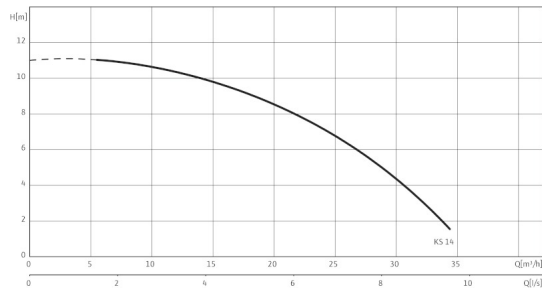
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

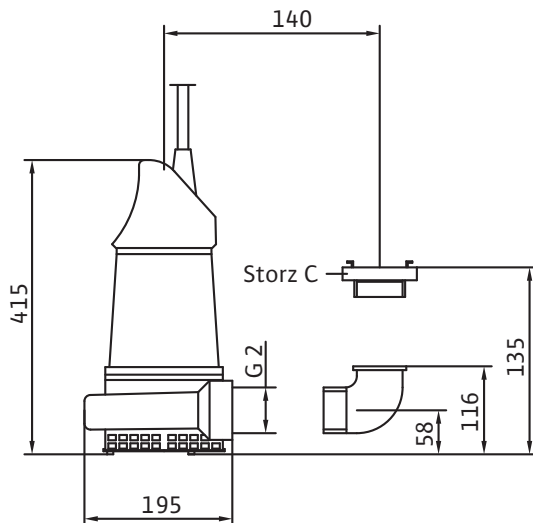
Data sheet: Wilo-EMU KS 14 ES GG

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	5.70 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 14 ES GG

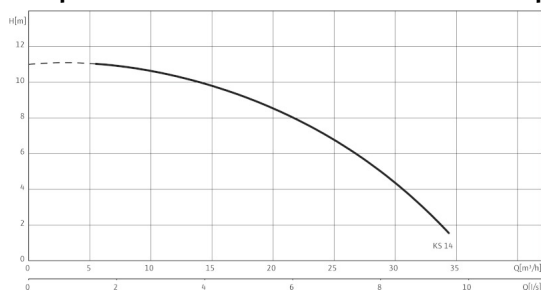
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

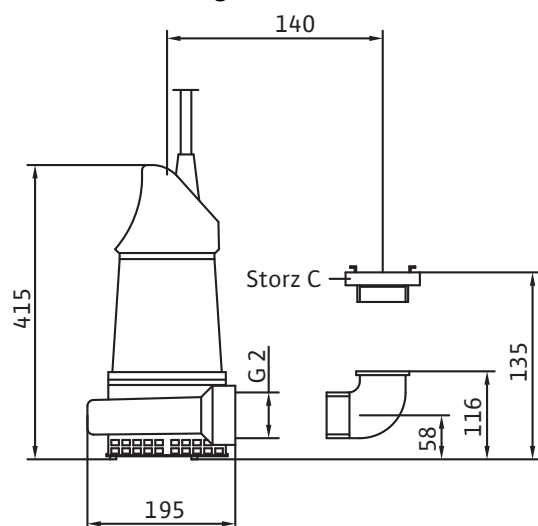
Data sheet: Wilo-EMU KS 14 D GG

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



Data sheet: Wilo-EMU KS 14 D GG

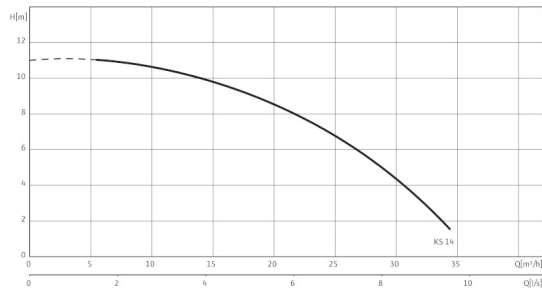
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

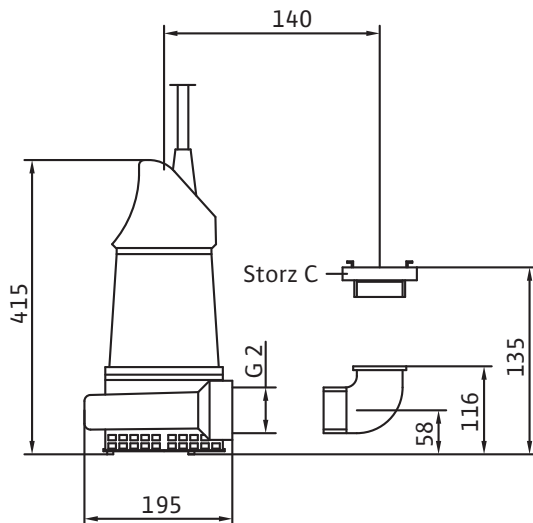
Data sheet: Wilo-EMU KS 14 DS GG

Pump curves Wilo-EMU KS 14 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 14



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	1.90 A
Nominal motor power	P_2	0.75 kW
Power consumption	P_1	1.10 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 14 DS GG

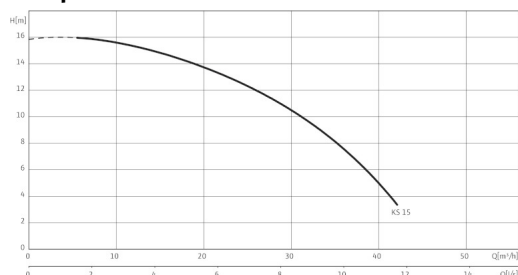
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

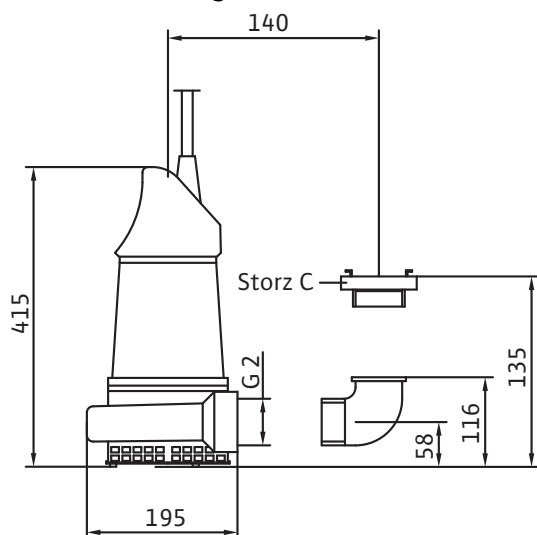
Data sheet: Wilo-EMU KS 15 E

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	9.40 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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 10M

Equipment/function

Float switch		–
Motor protection		–
Explosion protection		–

Materials

Static seal		FPM
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Data sheet: Wilo-EMU KS 15 E

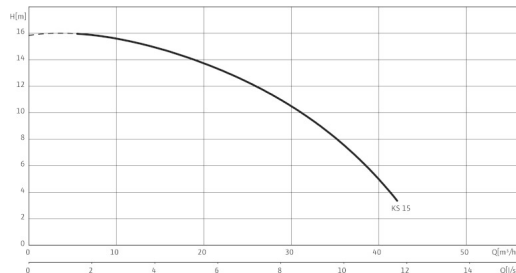
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019785
EAN number	4044966092484
Ready for delivery	Stock
Price group	W8

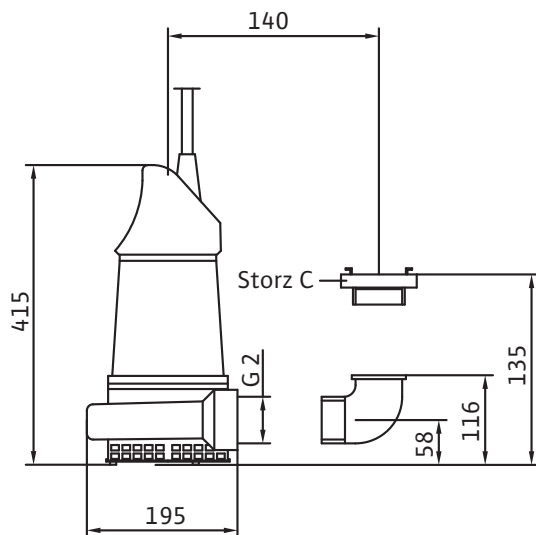
Data sheet: Wilo-EMU KS 15 ES

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	9.40 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 15 ES

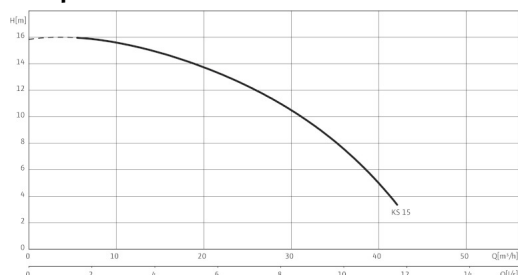
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6001201
EAN number	4044966091180
Ready for delivery	Stock
Price group	W8

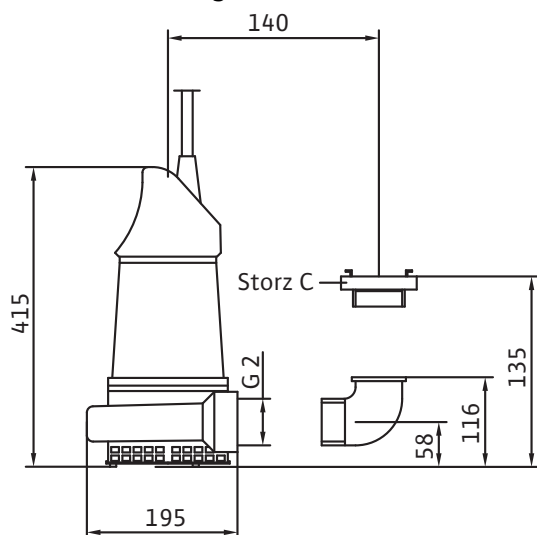
Data sheet: Wilo-EMU KS 15 D

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	3.20 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 15 D

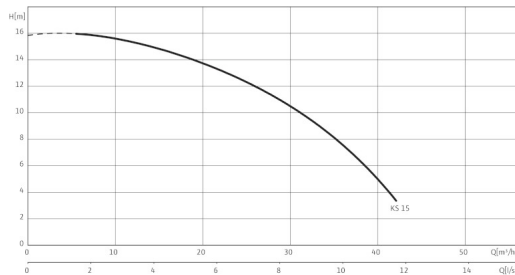
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019450
EAN number	4044966092293
Ready for delivery	Stock
Price group	W8

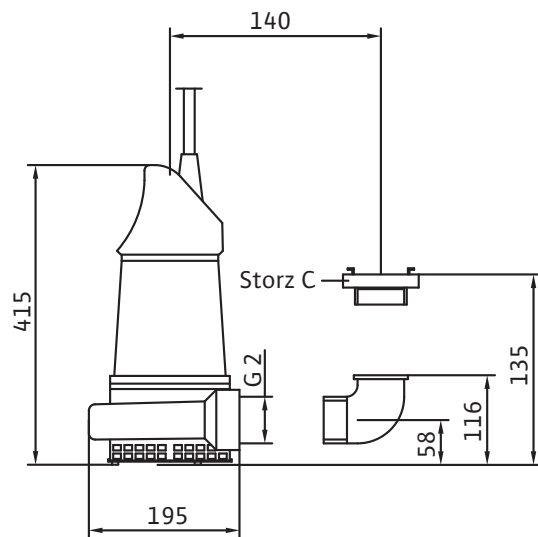
Data sheet: Wilo-EMU KS 15 DS

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	3.20 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 15 DS

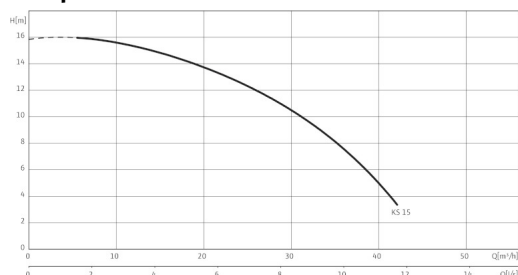
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019784
EAN number	4044966092477
Ready for delivery	Stock
Price group	W8

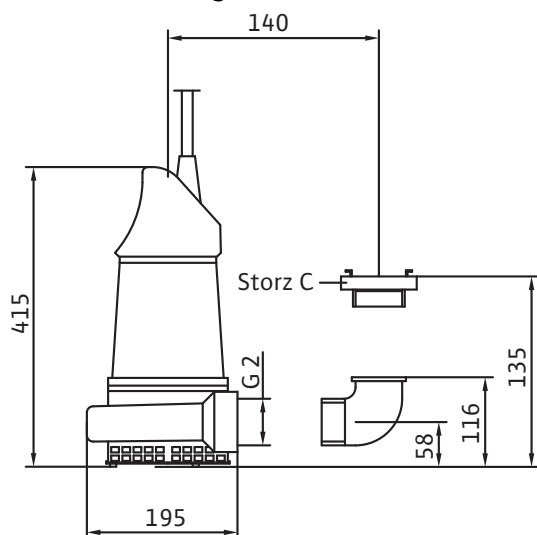
Data sheet: Wilo-EMU KS 15 E GG

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	9.40 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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
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Data sheet: Wilo-EMU KS 15 E GG

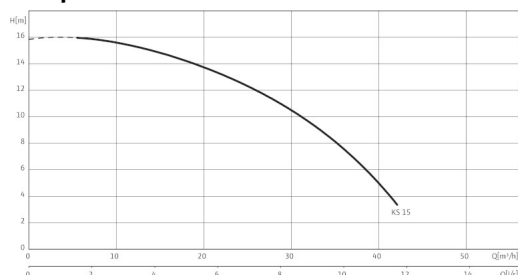
Impeller	EN-GJL-250
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

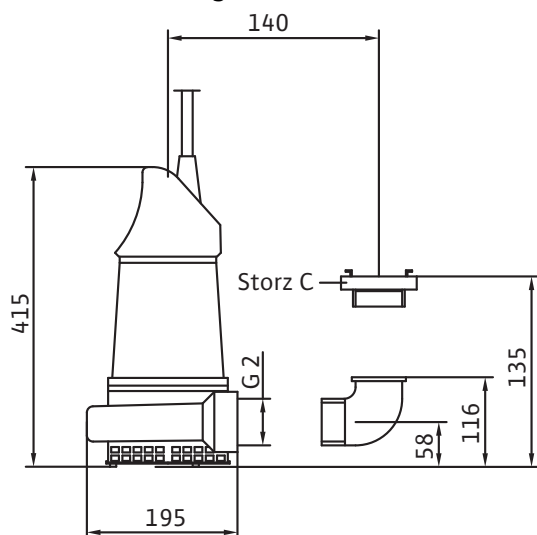
Data sheet: Wilo-EMU KS 15 ES GG

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	9.40 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 15 ES GG

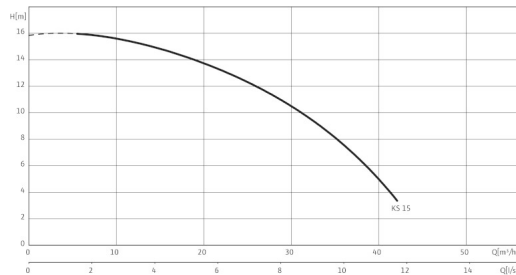
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

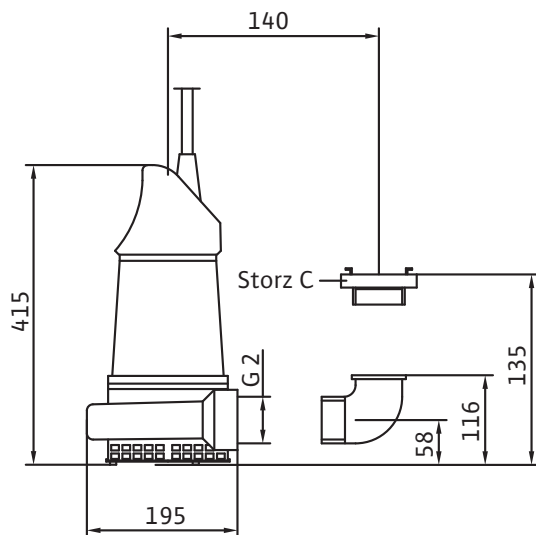
Data sheet: Wilo-EMU KS 15 DS GG

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	3.20 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 15 DS GG

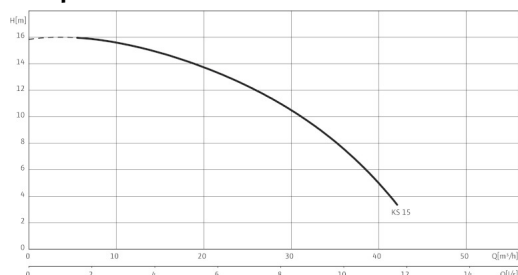
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

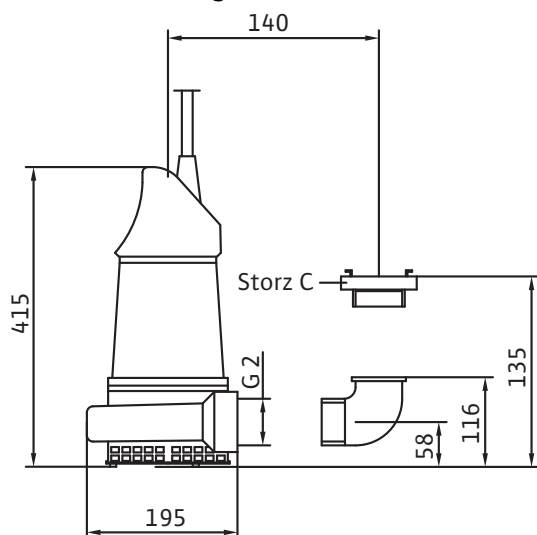
Data sheet: Wilo-EMU KS 15 D GG

Pump curves Wilo-EMU KS 15 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 15



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	3.20 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.90 kW
Activation type		Direct
Nominal speed	n	2900 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



Data sheet: Wilo-EMU KS 15 D GG

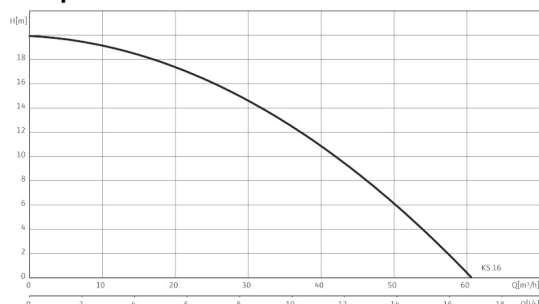
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

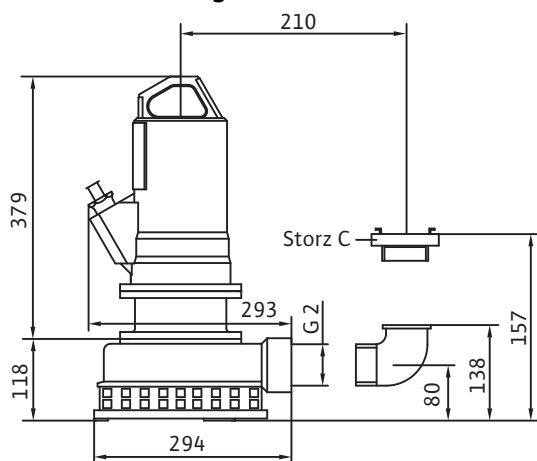
Data sheet: Wilo-EMU KS 16 Ex D0

Pump curves Wilo-EMU KS 16 Ex - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 16 Ex



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		12 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		12.5000 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
Nominal current	I_N	4.50 A
Nominal motor power	P_2	2 kW
Power consumption	P_1	2.60 kW
Activation type		Direct
Nominal speed	n	2900 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		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX

Materials

Static seal		FPM
Impeller		EN-GJL-250



Data sheet: Wilo-EMU KS 16 Ex D0

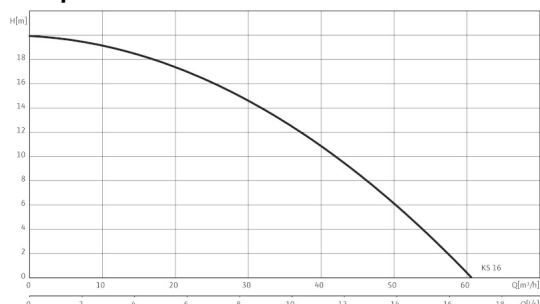
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

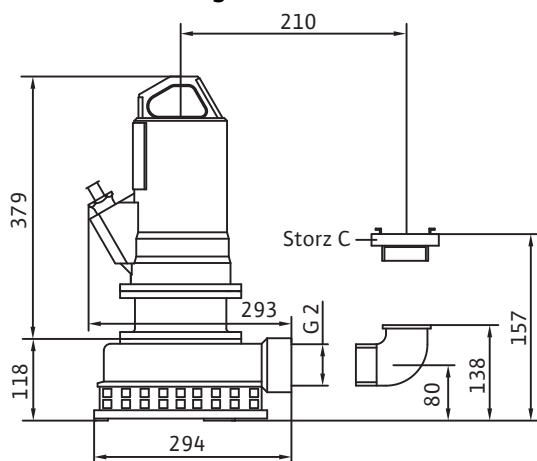
Data sheet: Wilo-EMU KS 16 Ex DMS-Ex

Pump curves Wilo-EMU KS 16 Ex - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 16 Ex



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		G 2
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		12 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		12.5000 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
Nominal current	I_N	4.50 A
Nominal motor power	P_2	2 kW
Power consumption	P_1	2.60 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 16 Ex DMS-Ex

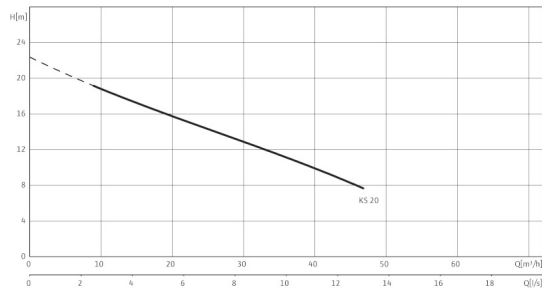
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

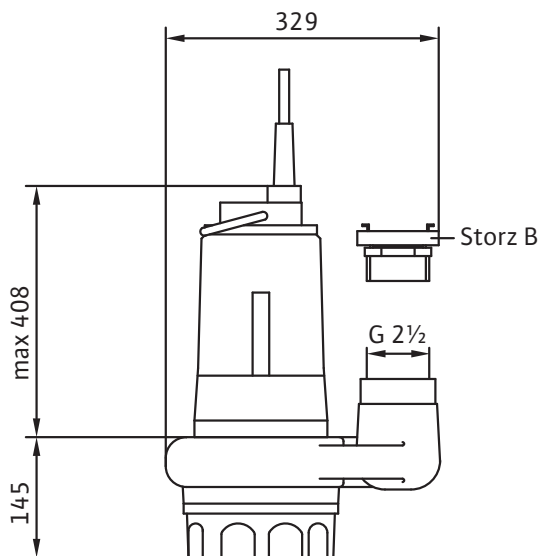
Data sheet: Wilo-EMU KS 20 D GG

Pump curves Wilo-EMU KS 20 - 50 Hz - 2900 rpm



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 m³/h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	30 m³/h
Pressure connection		G 2½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	4.650 A
Nominal motor power	P_2	2.20 kW
Power consumption	P_1	2.80 kW
Activation type		Direct
Nominal speed	n	2900 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-GJS-500-7



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Data sheet: Wilo-EMU KS 20 D GG

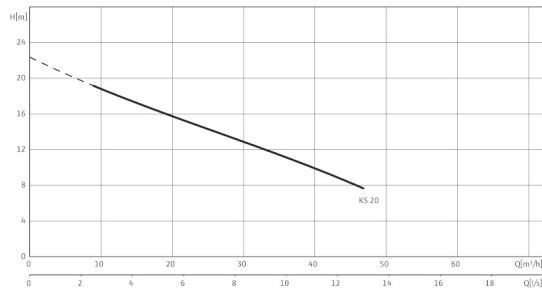
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042090
EAN number	4044966435243
Ready for delivery	Stock
Price group	W8

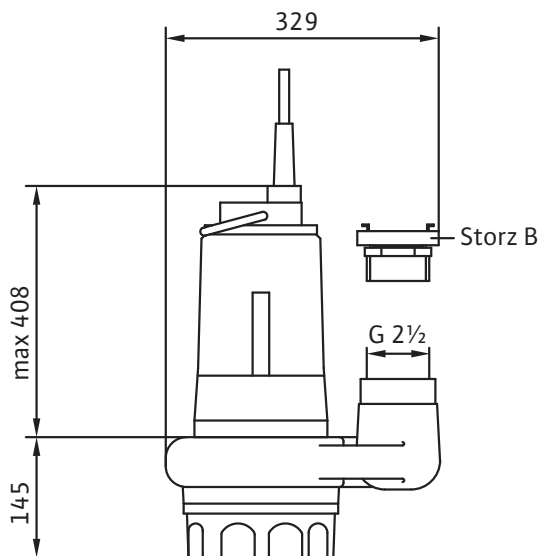
Data sheet: Wilo-EMU KS 20 DS GG

Pump curves Wilo-EMU KS 20 - 50 Hz - 2900 rpm



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 m³/h
Optimal delivery head	H_{opt}	13 m
Optimum volume flow	Q_{opt}	30 m³/h
Pressure connection		G 2½
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	4.650 A
Nominal motor power	P_2	2.20 kW
Power consumption	P_1	2.80 kW
Activation type		Direct
Nominal speed	n	2900 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-GJS-500-7



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Data sheet: Wilo-EMU KS 20 DS GG

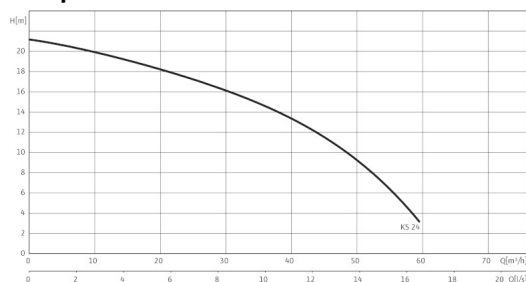
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6042091
EAN number	4044966435250
Ready for delivery	Stock
Price group	W8

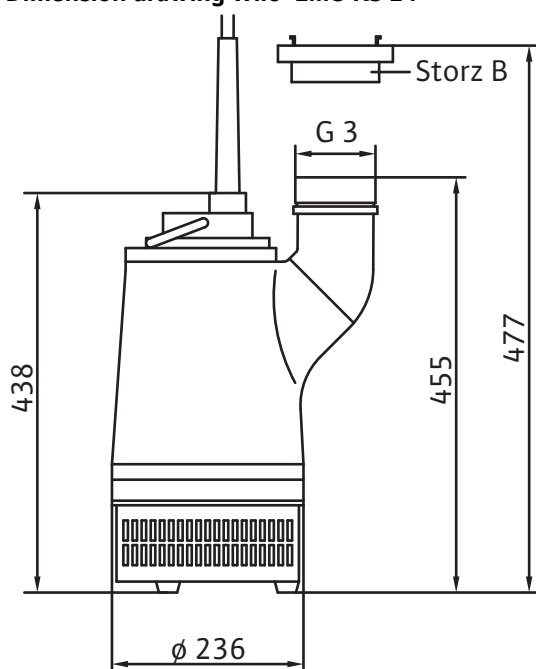
Data sheet: Wilo-EMU KS 24 D

Pump curves Wilo-EMU KS 24 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 24



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		G 3
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	4.70 A
Nominal motor power	P_2	2.40 kW
Power consumption	P_1	2.80 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 24 D

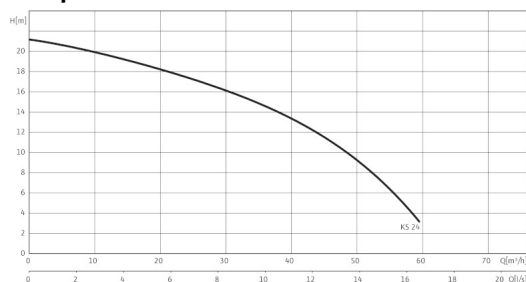
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6001204
EAN number	4044966091241
Ready for delivery	Stock
Price group	W8

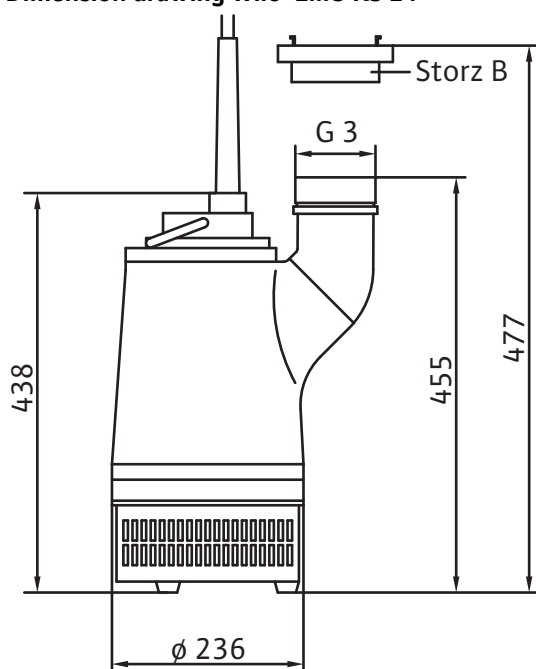
Data sheet: Wilo-EMU KS 24 DS

Pump curves Wilo-EMU KS 24 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 24



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		G 3
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		5 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	4.70 A
Nominal motor power	P_2	2.40 kW
Power consumption	P_1	2.80 kW
Activation type		Direct
Nominal speed	n	2900 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 WDSHA

Equipment/function

Float switch		•
Motor protection		–
Explosion protection		–

Materials

Static seal		FPM
Impeller		EN-GJS-500-7



Data sheet: Wilo-EMU KS 24 DS

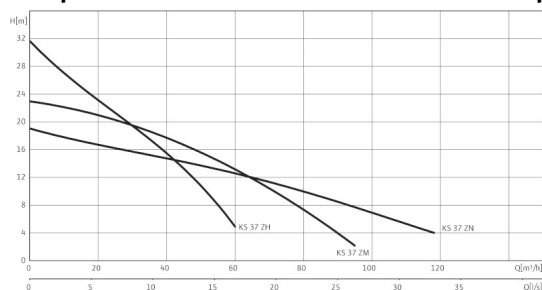
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6023360
EAN number	4044966163771
Ready for delivery	Stock
Price group	W8

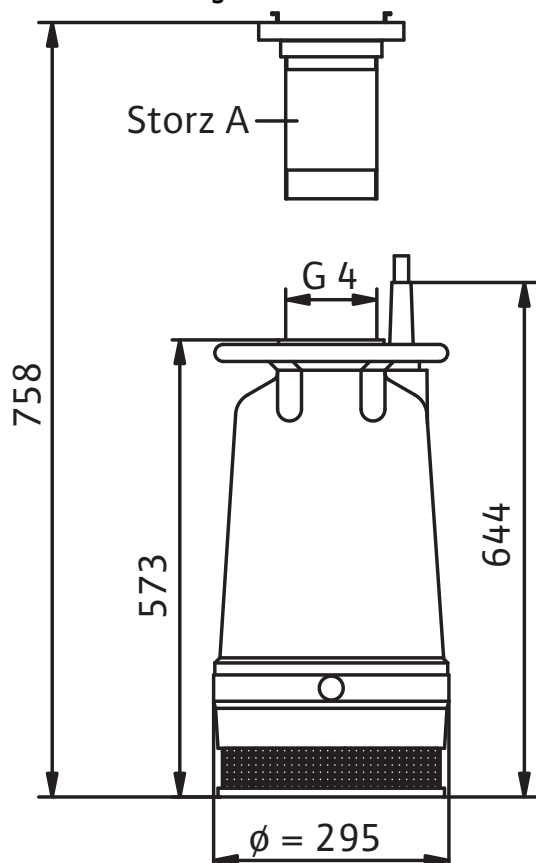
Data sheet: Wilo-EMU KS 37ZN D

Pump curves Wilo-EMU KS 37 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 37



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		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	64 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	8 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 37ZN D

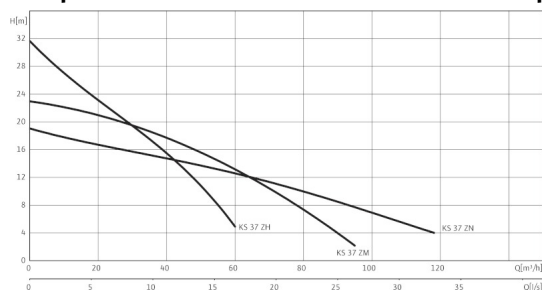
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019732
EAN number	4044966092255
Ready for delivery	Stock
Price group	W8

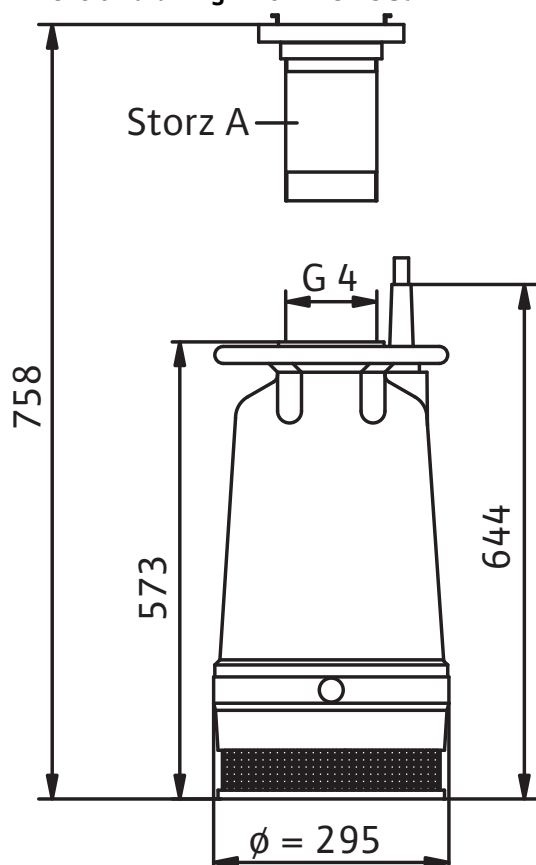
Data sheet: Wilo-EMU KS 37ZN DS

Pump curves Wilo-EMU KS 37 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 37



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		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	8 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.90 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 37ZN DS

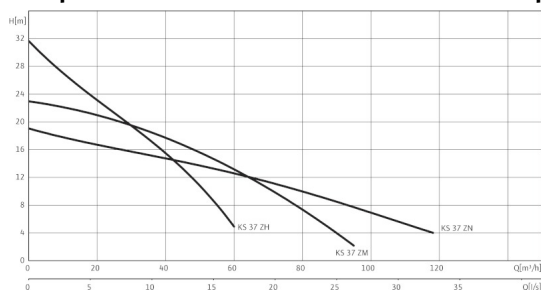
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

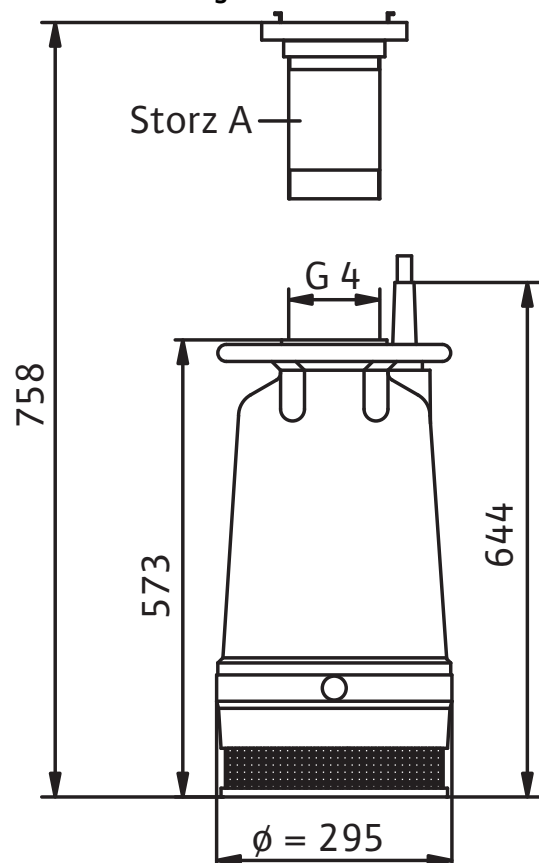
Data sheet: Wilo-EMU KS 37ZM D

Pump curves Wilo-EMU KS 37 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 37



Unit

Max. delivery head	H_{max}	22 m
Max. volume flow	Q_{max}	95 m ³ /h
Optimal delivery head	H_{opt}	15 m
Optimum volume flow	Q_{opt}	54 m ³ /h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	8 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 37ZM D

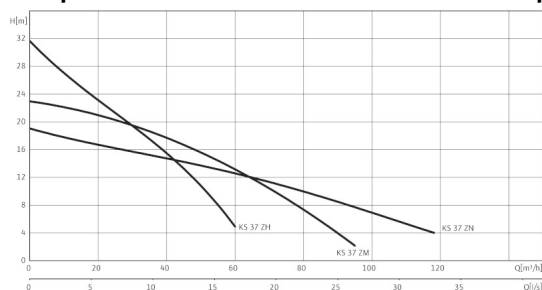
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019731
EAN number	4044966092248
Ready for delivery	Stock
Price group	W8

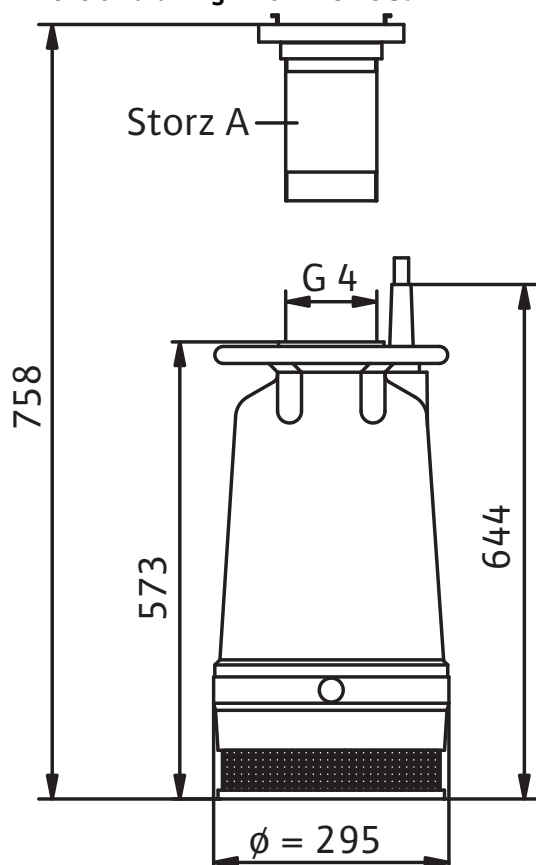
Data sheet: Wilo-EMU KS 37ZM DS

Pump curves Wilo-EMU KS 37 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 37



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		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	8 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.90 kW
Activation type		Direct
Nominal speed	n	2900 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

Data sheet: Wilo-EMU KS 37ZM DS

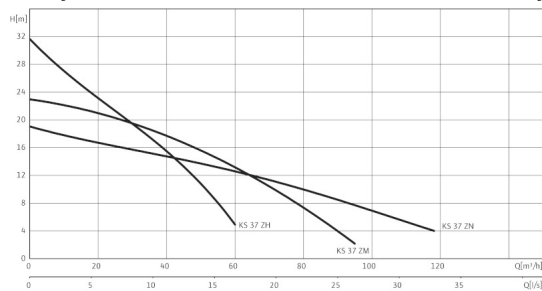
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

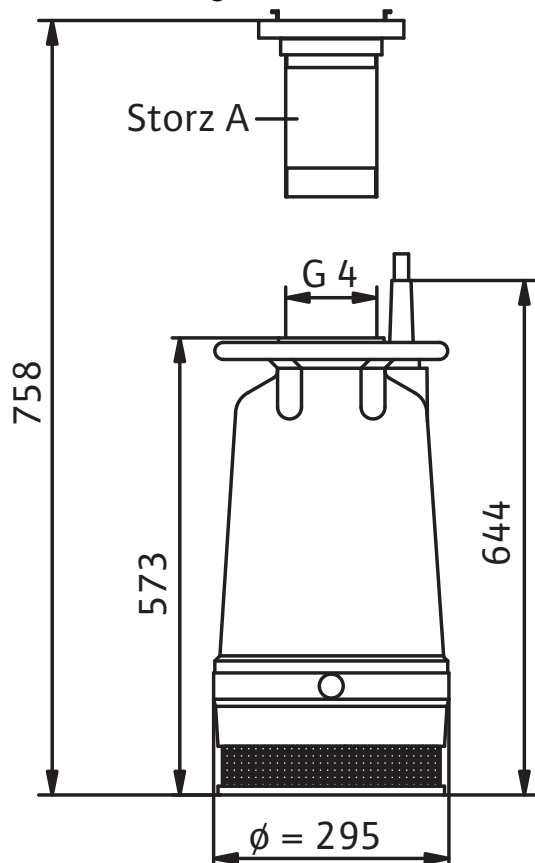
Data sheet: Wilo-EMU KS 37ZH D

Pump curves Wilo-EMU KS 37 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 37



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		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	8 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.90 kW
Activation type		Direct
Nominal speed	n	2900 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



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Data sheet: Wilo-EMU KS 37ZH D

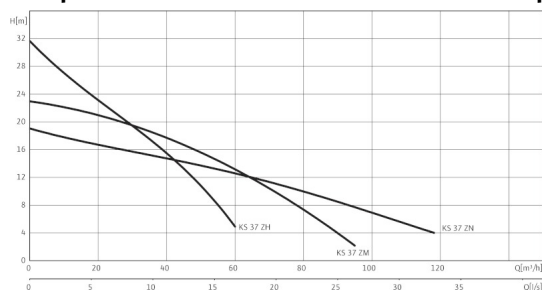
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6019730
EAN number	4044966092224
Ready for delivery	Stock
Price group	W8

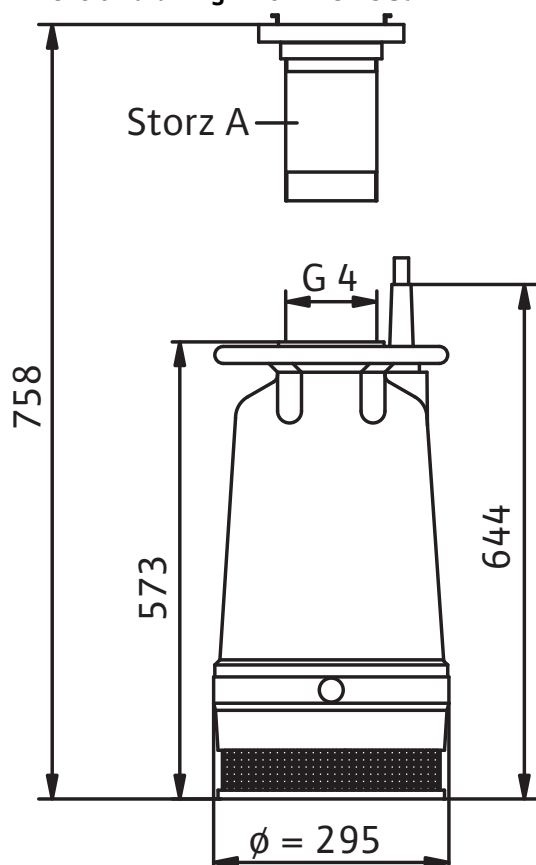
Data sheet: Wilo-EMU KS 37ZH DS

Pump curves Wilo-EMU KS 37 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 37



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		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	8 A
Nominal motor power	P_2	3.70 kW
Power consumption	P_1	4.90 kW
Activation type		Direct
Nominal speed	n	2900 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



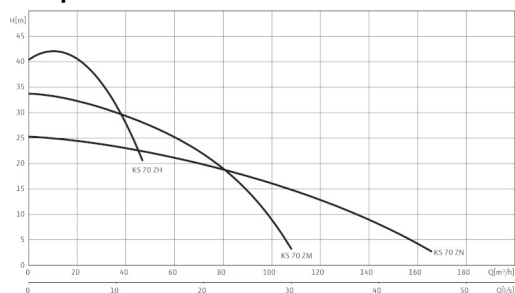
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Data sheet: Wilo-EMU KS 37ZH DS

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
Ready for delivery	Delivery time on request
Price group	W8

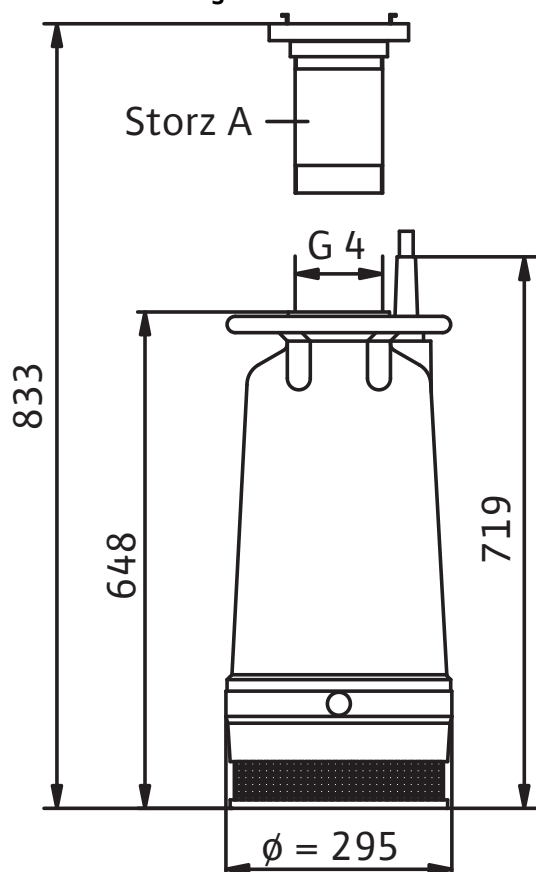
Data sheet: Wilo-EMU KS 70ZN D

Pump curves Wilo-EMU KS 70 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 70



Unit

Max. delivery head	H_{max}	24 m
Max. volume flow	Q_{max}	160 m³/h
Optimal delivery head	H_{opt}	16 m
Optimum volume flow	Q_{opt}	97 m³/h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	79 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	15.60 A
Nominal motor power	P_2	7.50 kW
Power consumption	P_1	9.50 kW
Activation type		Direct
Nominal speed	n	2900 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 mm²
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

Data sheet: Wilo-EMU KS 70ZN D

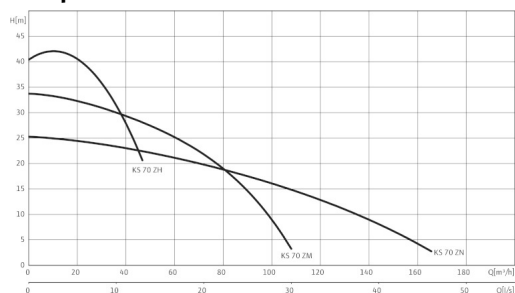
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6021369
EAN number	4044966135310
Ready for delivery	Stock
Price group	W8

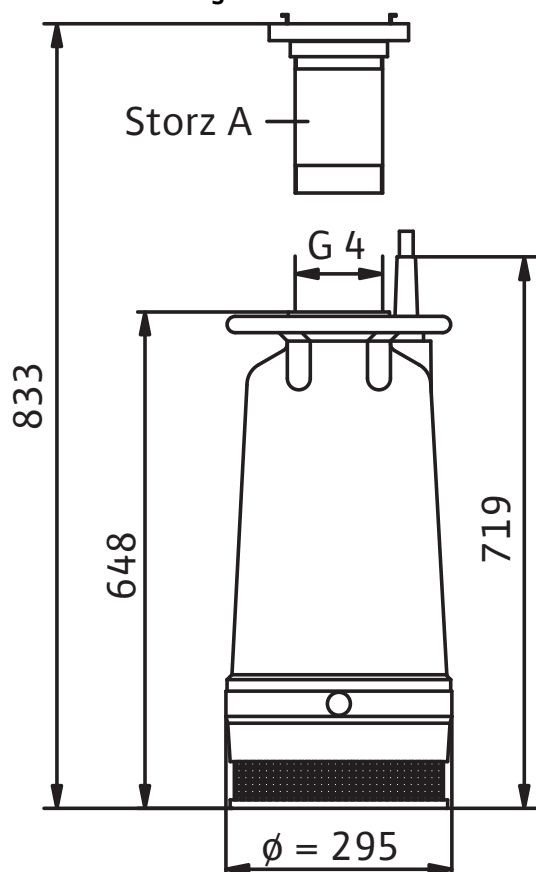
Data sheet: Wilo-EMU KS 70ZN DS

Pump curves Wilo-EMU KS 70 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 70



Unit

Max. delivery head	H_{max}	24 m
Max. volume flow	Q_{max}	160 m³/h
Optimal delivery head	H_{opt}	16 m
Optimum volume flow	Q_{opt}	97 m³/h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	15.60 A
Nominal motor power	P_2	7.50 kW
Power consumption	P_1	9.50 kW
Activation type		Direct
Nominal speed	n	2900 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 mm²
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

Data sheet: Wilo-EMU KS 70ZN DS

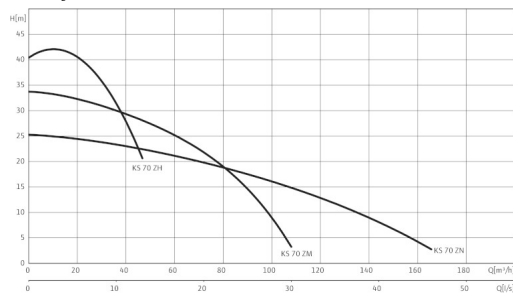
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

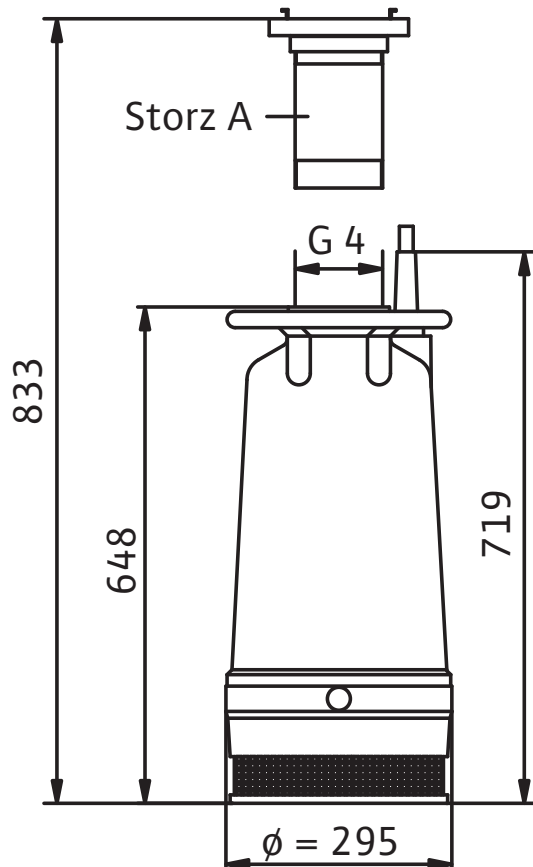
Data sheet: Wilo-EMU KS 70ZM D

Pump curves Wilo-EMU KS 70 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 70



Unit

Max. delivery head	H_{max}	32 m
Max. volume flow	Q_{max}	105 m³/h
Optimal delivery head	H_{opt}	24 m
Optimum volume flow	Q_{opt}	65 m³/h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	15.60 A
Nominal motor power	P_2	7.50 kW
Power consumption	P_1	9.50 kW
Activation type		Direct
Nominal speed	n	2900 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 mm²
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



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Data sheet: Wilo-EMU KS 70ZM D

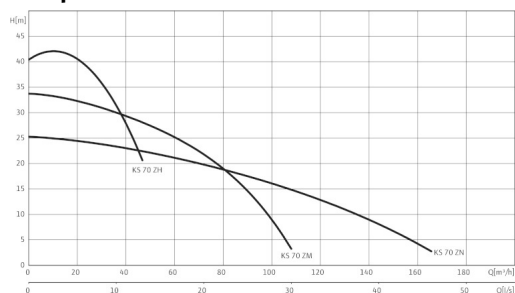
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6021343
EAN number	4044966135389
Ready for delivery	Stock
Price group	W8

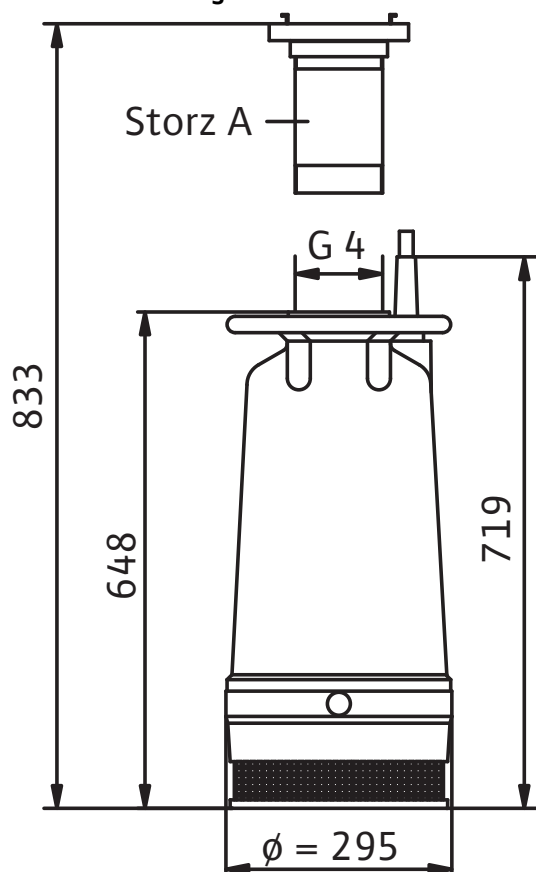
Data sheet: Wilo-EMU KS 70ZM DS

Pump curves Wilo-EMU KS 70 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 70



Unit

Max. delivery head	H_{max}	32 m
Max. volume flow	Q_{max}	105 m³/h
Optimal delivery head	H_{opt}	24 m
Optimum volume flow	Q_{opt}	65 m³/h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	15.60 A
Nominal motor power	P_2	7.50 kW
Power consumption	P_1	9.50 kW
Activation type		Direct
Nominal speed	n	2900 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 mm²
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

Data sheet: Wilo-EMU KS 70ZM DS

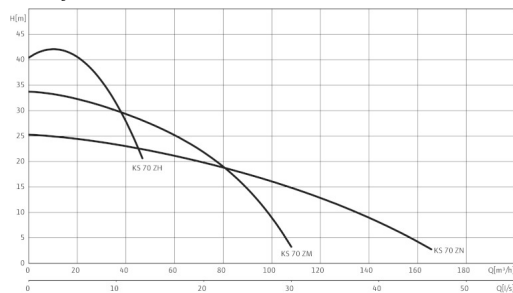
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

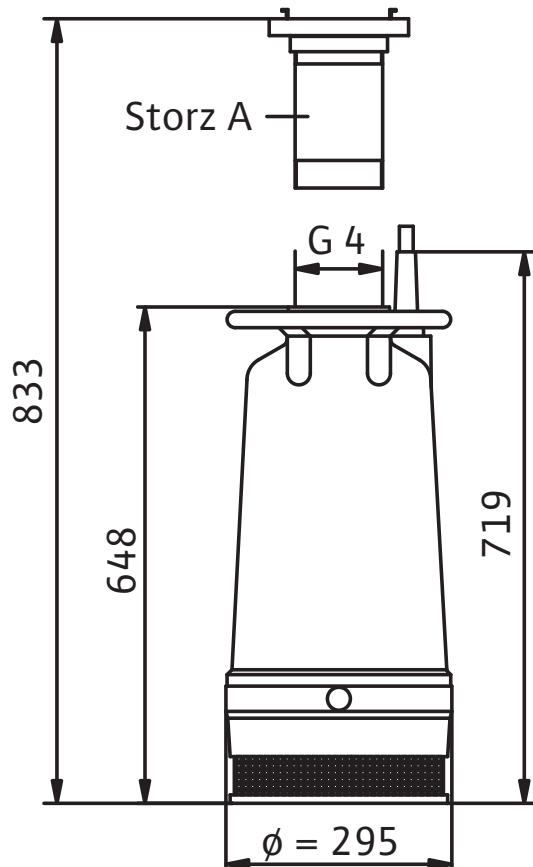
Data sheet: Wilo-EMU KS 70ZH D

Pump curves Wilo-EMU KS 70 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 70



Unit

Max. delivery head	H_{max}	41 m
Max. volume flow	Q_{max}	45 m³/h
Optimal delivery head	H_{opt}	33 m
Optimum volume flow	Q_{opt}	36 m³/h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	15.60 A
Nominal motor power	P_2	7.50 kW
Power consumption	P_1	9.50 kW
Activation type		Direct
Nominal speed	n	2900 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 mm²
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



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Data sheet: Wilo-EMU KS 70ZH D

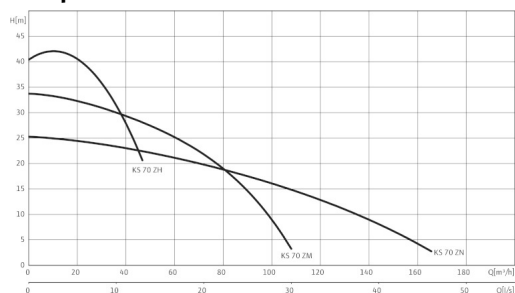
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Art no.	6021370
EAN number	4044966135327
Ready for delivery	Stock
Price group	W8

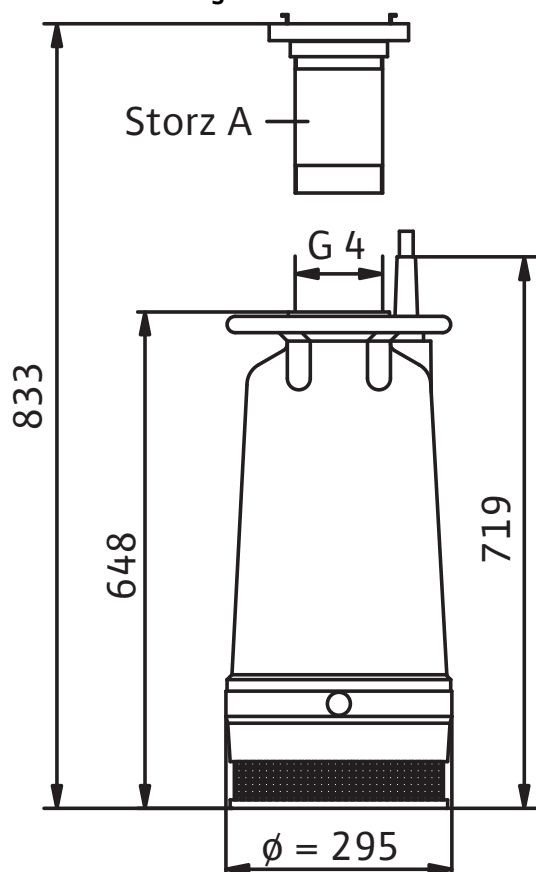
Data sheet: Wilo-EMU KS 70ZH DS

Pump curves Wilo-EMU KS 70 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 70



Unit

Max. delivery head	H_{max}	41 m
Max. volume flow	Q_{max}	45 m³/h
Optimal delivery head	H_{opt}	33 m
Optimum volume flow	Q_{opt}	36 m³/h
Pressure connection		G 4
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		6 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 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
Nominal current	I_N	15.60 A
Nominal motor power	P_2	7.50 kW
Power consumption	P_1	9.50 kW
Activation type		Direct
Nominal speed	n	2900 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 mm²
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



Data sheet: Wilo-EMU KS 70ZH DS

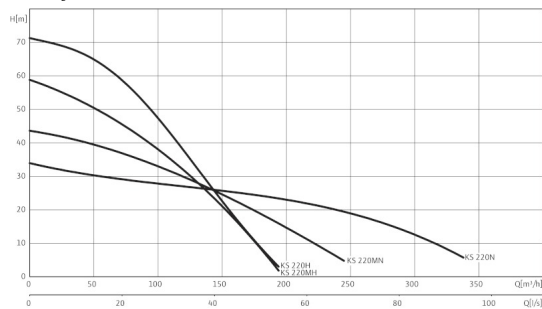
Sealing on motor side	C/Al-oxides
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	EN-GJL-250

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

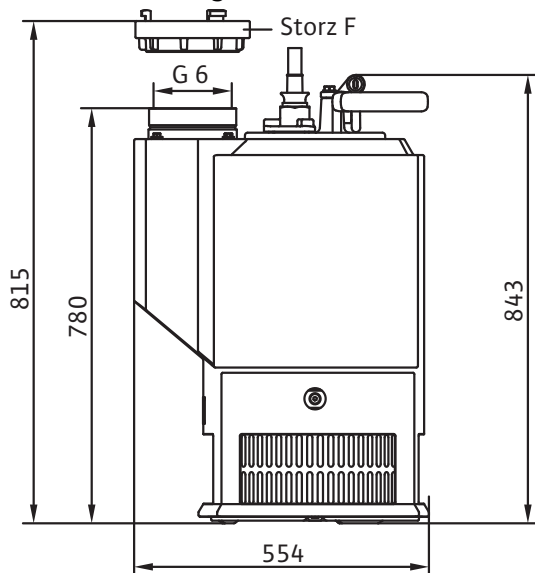
Data sheet: Wilo-EMU KS 220N Ceram

Pump curves Wilo-EMU KS 220 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 220



Unit

Max. delivery head	H_{max}	31 m
Max. volume flow	Q_{max}	340 m³/h
Optimal delivery head	H_{opt}	23 m
Optimum volume flow	Q_{opt}	194 m³/h
Pressure connection		G 6
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	222 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	40.50 A
Nominal motor power	P_2	22 kW
Power consumption	P_1	24.40 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h

Cable

Length of connecting cable		20 m
Cable type		S07RN-F
Cable cross-section		4G6 mm²
Type of connecting cable		Non-detachable
Mains plug		DSA-G + CEE 63

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

Static seal		FPM
Impeller		Abrasite

Data sheet: Wilo-EMU KS 220N Ceram

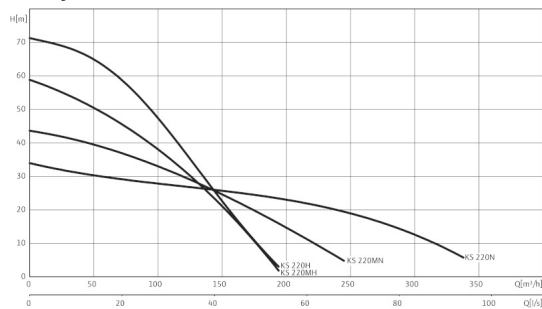
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	G-Al Si 12

Information for order placements

Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

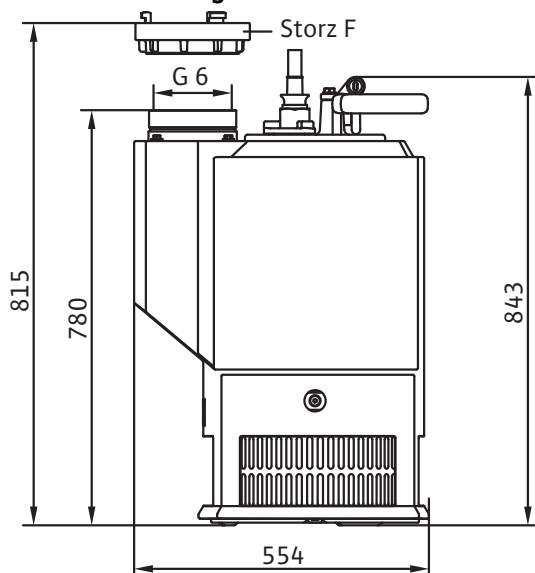
Data sheet: Wilo-EMU KS 220MN Ceram

Pump curves Wilo-EMU KS 220 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 220



Unit

Max. delivery head	H_{max}	40 m
Max. volume flow	Q_{max}	250 m³/h
Optimal delivery head	H_{opt}	28 m
Optimum volume flow	Q_{opt}	121 m³/h
Pressure connection		G 6
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	222 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	40.50 A
Nominal motor power	P_2	22 kW
Power consumption	P_1	24.40 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h

Cable

Length of connecting cable		20 m
Cable type		S07RN-F
Cable cross-section		4G6 mm²
Type of connecting cable		Non-detachable
Mains plug		DSA-G + CEE 63

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

Static seal		FPM
Impeller		Abrasite



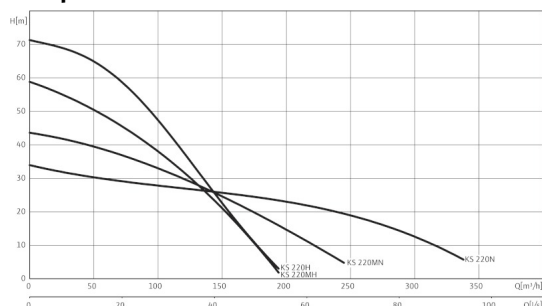
01622 882400 /
info@atacsolutions.com

Data sheet: Wilo-EMU KS 220MN Ceram

Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	G-Al Si 12
Information for order placements	
Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

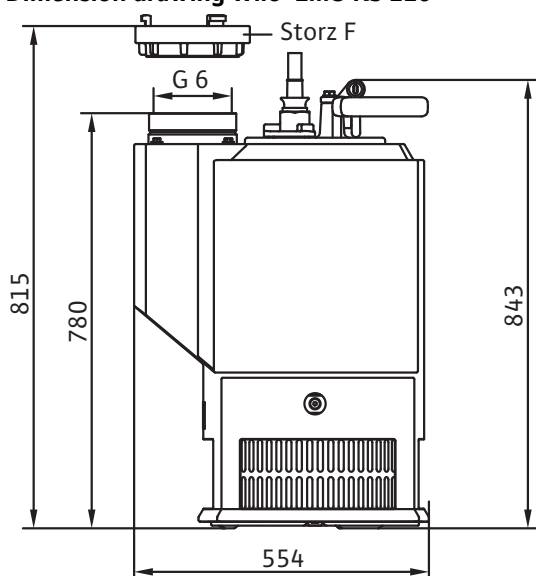
Data sheet: Wilo-EMU KS 220MH Ceram

Pump curves Wilo-EMU KS 220 – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 220



Unit

Max. delivery head	H_{max}	55 m
Max. volume flow	Q_{max}	190 m³/h
Optimal delivery head	H_{opt}	27 m
Optimum volume flow	Q_{opt}	133 m³/h
Pressure connection		G 6
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	222 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	40.50 A
Nominal motor power	P_2	22 kW
Power consumption	P_1	24.40 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h

Cable

Length of connecting cable		20 m
Cable type		S07RN-F
Cable cross-section		4G6 mm²
Type of connecting cable		Non-detachable
Mains plug		DSA-G + CEE 63

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

Static seal		FPM
Impeller		Abrasite



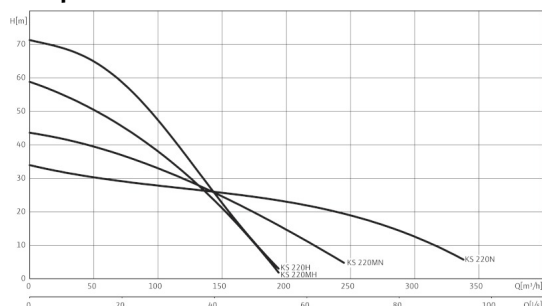
01622 882400 /
info@atacsolutions.com

Data sheet: Wilo-EMU KS 220MH Ceram

Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	G-Al Si 12
Information for order placements	
Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8

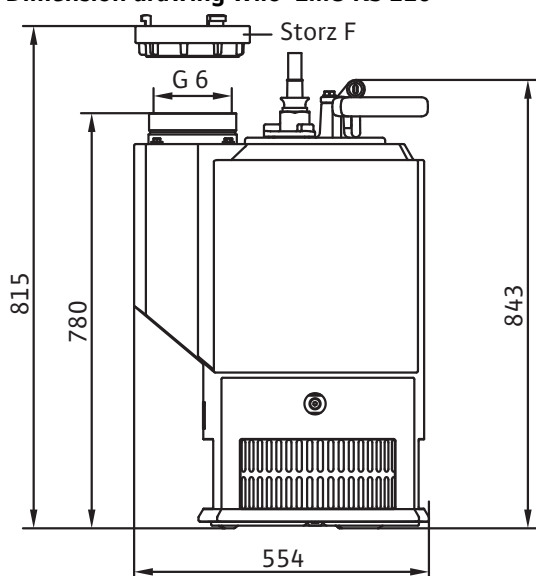
Data sheet: Wilo-EMU KS 220H Ceram

Pump curves Wilo-EMU KS 220 - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A

Dimension drawing Wilo-EMU KS 220



Unit

Max. delivery head	H_{max}	71 m
Max. volume flow	Q_{max}	166 m³/h
Optimal delivery head	H_{opt}	50 m
Optimum volume flow	Q_{opt}	92 m³/h
Pressure connection		G 6
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		10 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		12.5000 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	222 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	40.50 A
Nominal motor power	P_2	22 kW
Power consumption	P_1	24.40 kW
Activation type		Direct
Nominal speed	n	2900 rpm
No. of poles		2
Insulation class		F
Max. switching frequency		15 1/h

Cable

Length of connecting cable		20 m
Cable type		S07RN-F
Cable cross-section		4G6 mm²
Type of connecting cable		Non-detachable
Mains plug		DSA-G + CEE 63

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		–

Materials

Static seal		FPM
Impeller		Abrasite



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Data sheet: Wilo-EMU KS 220H Ceram

Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	G-Al Si12
Pump housing	G-Al Si 12
Information for order placements	
Make	Wilo
Ready for delivery	Delivery time on request
Price group	W8