



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.



ATAC Solutions Ltd,
Unit A9, Loc 8 Business Park, Ashford Road,
Hollingbourne, Maidstone, England, ME17 1WR

 atacsolutions.com
 01622 882400



Axiom Water companies

Series description: Wilo-EMU FA (standard variant)



Design

Submersible sewage pump

Application

- Pumping of sewage with solid constituents in water treatment systems and pumping stations
- Local drainage, water control and process water extraction
- Applications in construction and industry

Type key

E.g.:	Wilo-EMU FA 08.22W-133+T12-2/11
FA	Submersible sewage pump
08	Nominal diameter of DN 80 pressure connection
22	Performance indicator
W	Impeller shape (W = vortex impeller, E = single-channel impeller)
133	Impeller diameter [mm]
T	Motor version
12	Size
2	Number of poles
11	Package length [cm]

Special features/product advantages

- Operation in stationary and portable wet well installation
- Heavy-duty version made of grey cast iron
- Easy installation due to suspension unit or pump base
- Longitudinally watertight cable lead-in
- Cable length 10 m
- ATEX approval

Technical data

- Mains connection: 3~400 V, 50 Hz
- Immersed operating mode: S1
- Surfaced operating mode: S1, S2-15 or S2-30 (depending on type)
- Thermal motor monitoring
- Protection class: IP 68
- Insulation class: F
- Fluid temperature: 3 40 °C
- Cable length: 10 m
- Free ball passage from 45 mm to 100 mm
- Permanently lubricated roller bearings
- Max. immersion depth: 20 m

Equipment/function

- Stationary dry well installation possible for short-term operation, S1 and S2 (depending on type)
- Heavy-duty version made of cast iron
- Simple installation via suspension unit or pump base

Description/design

Submersible sewage pump as submersible monobloc unit for stationary and portable wet well installation.

Hydraulics

The outlet on the pressure side is designed as horizontal flange connection. The maximum possible dry matter content is 8%, depending on the hydraulics and impeller type.

The following impeller shapes are used:

- Vortex impeller (W)
- Single-channel impeller (E)

Each single-channel hydraulic system (E) is equipped with a counter ring and stationary wear ring made of hardened material (except for FA 08.41E). These ensure the consistently high efficiency of the unit for a long duration.

Motor

Dry motors (T motors) give off their heat directly to the surrounding fluid via the housing components and can be used in immersed state for permanent operation. Depending on the size, they can also be used in non-immersed state for short-term operation.

All motors have a sealing chamber that protects the motor from fluid ingress. It can be accessed from the outside and can be monitored with an optional sealing chamber electrode.

All filling fluids used are potentially biodegradable and environmentally safe.

The cable inlet of the dry motors is longitudinally watertight. The cable length is 10 m.

Sealing

Fluid-side and motor-side sealing is possible in the following versions depending on the motor type:

- Version H: Mechanical seal for the fluid side, rotary shaft seal for the motor side
- Version G: Two independently operating mechanical seals

Materials

- Pump housing: EN-GJL-250
- Impeller: ENGJL or ENGJS
- Static seals: NBR
- Mechanical seal on pump side: SiC/SiC
- Mechanical seal on motor side: SiC/SiC (depending on type)
- Rotary shaft seal on motor side: NBR (depending on type)
- Motor housing: EN-GJL-250
- Shaft: Stainless steel 1.4021

Scope of delivery

- Pump ready for connection with 10 m connecting cable without plug
- Installation and operating instructions

Accessories

- Suspension unit or pump base



Series description: Wilo-EMU FA (standard variant)

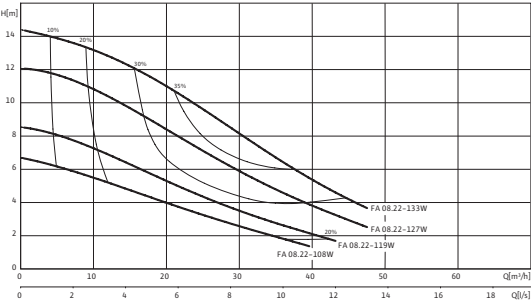
- Various pressure outlets and Storz couplings
- Chains
- Switchgears, relays and plugs



01622 882400 /
 info@atacsolutions.com

Data sheet: Wilo-EMU FA 08.22-108W + T 12-2/11GEx

Pump curves Wilo-EMU FA 08.22W – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit		
Max. delivery head	H_{max}	6.7 m
Max. volume flow	Q_{max}	45 m³/h
Optimal delivery head	H_{opt}	3.5 m
Optimum volume flow	Q_{opt}	23.4360 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.80 bar
Free ball passage		60 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-30 min
Max. immersion depth		20 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	3.650 A
Starting current	I_A	25 A
Nominal motor power	P_2	1.50 kW
Power consumption	P_1	2 kW
Power factor	$\cos \varphi$	0.8
Activation type		Direct
Nominal speed	n	2856 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %
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



Data sheet: Wilo-EMU FA 08.22-108W + T 12-2/11GEx

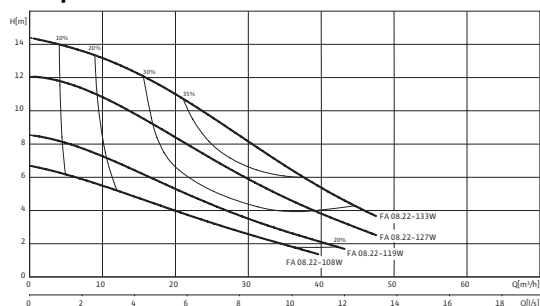
Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046850
EAN number	4044966494455
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.22-116W + T 12-2/11GEx

Unit		
Max. delivery head	H_{max}	8.5 m
Max. volume flow	Q_{max}	47.520 m ³ /h
Optimal delivery head	H_{opt}	4.5 m
Optimum volume flow	Q_{opt}	24.1560 m ³ /h
Flange (in accordance with EN 1092-2)	PN	10
Operating mode (non-immersed)		S2-30 min
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Motor data		
Mains connection		~400 V, 50 Hz
Nominal current	I_N	3.650 A
Starting current	I_A	25 A
Nominal motor power	P_2	1.50 kW
Power consumption	P_1	2 kW
Power factor	$\cos \varphi$	0.8
Nominal speed	n	2856 rpm
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %
Cable		
Cable type		H07RN-F
Information for order placements		
Make		Wilo
Art no.		6046851
EAN number		4044966494462
Ready for delivery		Stock
Price group		W8

Data sheet: Wilo-EMU FA 08.22-127W + T 12-2/11GEx

Pump curves Wilo-EMU FA 08.22W – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	12.0 m
Max. volume flow	Q_{max}	54.360 m ³ /h
Optimal delivery head	H_{opt}	6.7 m
Optimum volume flow	Q_{opt}	26.7840 m ³ /h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.80 bar
Free ball passage		60 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-30 min
Max. immersion depth		20 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	3.650 A
Starting current	I_A	25 A
Nominal motor power	P_2	1.50 kW
Power consumption	P_1	2 kW
Power factor	$\cos \varphi$	0.8
Activation type		Direct
Nominal speed	n	2856 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

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

Equipment/function

Float switch		–
Motor protection		WSK

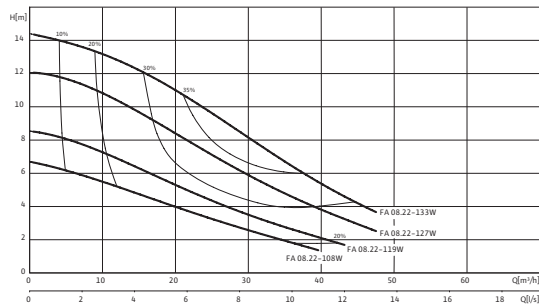


Data sheet: Wilo-EMU FA 08.22-127W + T 12-2/11GEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046852
EAN number	4044966494479
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.22-133W + T 12-2/11GEx

Pump curves Wilo-EMU FA 08.22W – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	14.4 m
Max. volume flow	Q_{max}	58.320 m³/h
Optimal delivery head	H_{opt}	8.5 m
Optimum volume flow	Q_{opt}	28.9440 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.80 bar
Free ball passage		60 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 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	4.450 A
Starting current	I_A	26 A
Nominal motor power	P_2	2 kW
Power consumption	P_1	2.60 kW
Power factor	$\cos \varphi$	0.85
Activation type		Direct
Nominal speed	n	2808 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

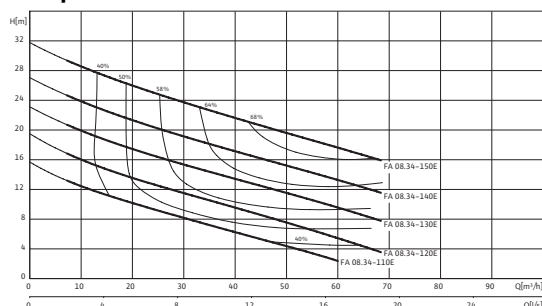


Data sheet: Wilo-EMU FA 08.22-133W + T 12-2/11GEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046638
EAN number	4044966489154
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.34-110E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.34E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	15.6 m
Max. volume flow	Q_{max}	60.120 m³/h
Optimal delivery head	H_{opt}	8.2 m
Optimum volume flow	Q_{opt}	29.8080 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.20 bar
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	54.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	5 A
Starting current	I_A	37 A
Nominal motor power	P_2	2.20 kW
Power consumption	P_1	2.80 kW
Power factor	$\cos \varphi$	0.8
Activation type		Direct
Nominal speed	n	2890 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

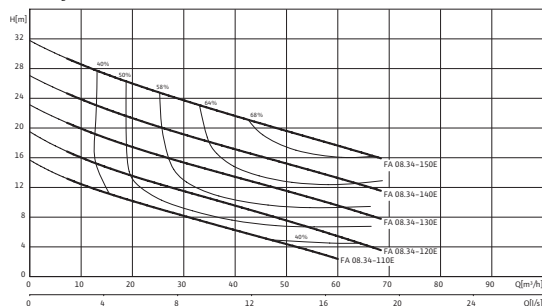


Data sheet: Wilo-EMU FA 08.34-110E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047536
EAN number	4044966498576
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.34-120E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.34E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	19.4 m
Max. volume flow	Q_{max}	71.280 m³/h
Optimal delivery head	H_{opt}	10.5 m
Optimum volume flow	Q_{opt}	35.3160 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.20 bar
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	54.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	5 A
Starting current	I_A	37 A
Nominal motor power	P_2	2.20 kW
Power consumption	P_1	2.80 kW
Power factor	$\cos \varphi$	0.8
Activation type		Direct
Nominal speed	n	2890 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

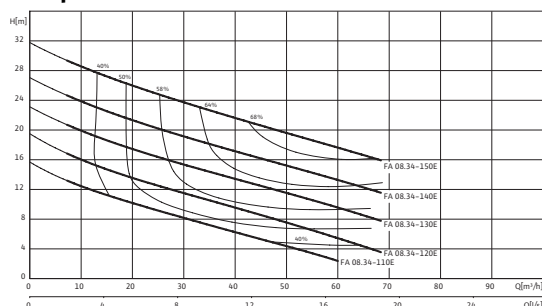


Data sheet: Wilo-EMU FA 08.34-120E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6035722
EAN number	4044966332375
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.34-130E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.34E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	23.0 m
Max. volume flow	Q_{max}	83.160 m³/h
Optimal delivery head	H_{opt}	12.9 m
Optimum volume flow	Q_{opt}	42.840 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.20 bar
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

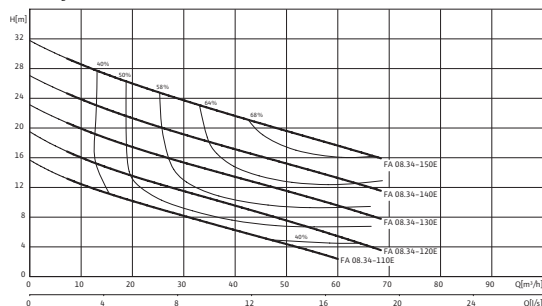


Data sheet: Wilo-EMU FA 08.34-130E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047552
EAN number	4044966499023
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.34-140E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.34E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	27.0 m
Max. volume flow	Q_{max}	87.840 m³/h
Optimal delivery head	H_{opt}	15.5 m
Optimum volume flow	Q_{opt}	48.60 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.20 bar
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

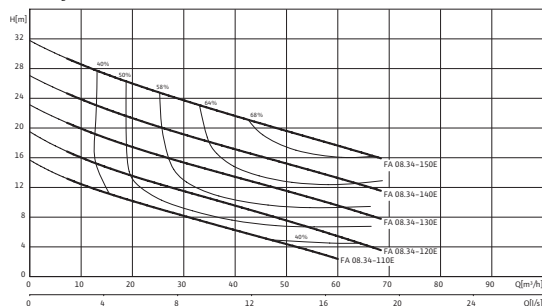


Data sheet: Wilo-EMU FA 08.34-140E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047560
EAN number	4044966499207
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.34-150E + T 13-2/16Hex

Pump curves Wilo-EMU FA 08.34E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	31.7 m
Max. volume flow	Q_{max}	87.840 m³/h
Optimal delivery head	H_{opt}	18.6 m
Optimum volume flow	Q_{opt}	55.080 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.20 bar
Free ball passage		45 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	58.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	5 kW
Power consumption	P_1	6 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

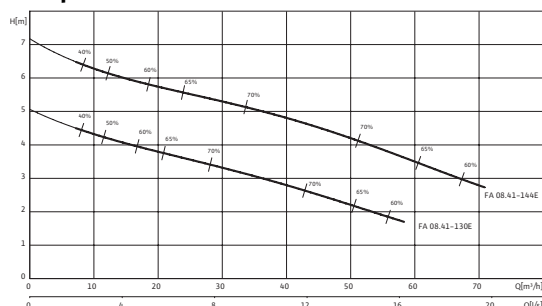
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.34-150E + T 13-2/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047568
EAN number	4044966499276
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.41-130E + T 12-4/11GEx

Pump curves Wilo-EMU FA 08.41E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	5.0 m
Max. volume flow	Q_{max}	58.320 m³/h
Optimal delivery head	H_{opt}	3.0 m
Optimum volume flow	Q_{opt}	35.4960 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	0.80 bar
Free ball passage		65 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	38 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	2.50 A
Starting current	I_A	16 A
Nominal motor power	P_2	0.50 kW
Power consumption	P_1	0.80 kW
Power factor	$\cos \varphi$	0.44
Activation type		Direct
Nominal speed	n	1460 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

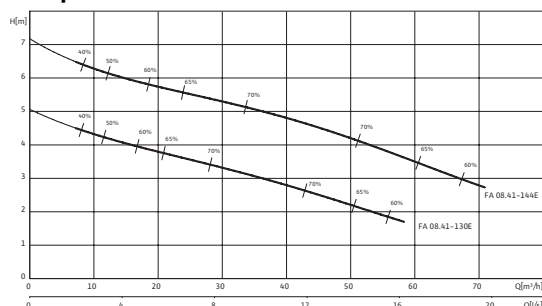


Data sheet: Wilo-EMU FA 08.41-130E + T 12-4/11GEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047580
EAN number	4044966499481
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.41-144E + T 12-4/11GEx

Pump curves Wilo-EMU FA 08.41E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	7.0 m
Max. volume flow	Q_{max}	70.920 m³/h
Optimal delivery head	H_{opt}	4.7 m
Optimum volume flow	Q_{opt}	42.480 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	0.80 bar
Free ball passage		65 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	38 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	3.30 A
Starting current	I_A	16 A
Nominal motor power	P_2	1.30 kW
Power consumption	P_1	1.80 kW
Power factor	$\cos \varphi$	0.76
Activation type		Direct
Nominal speed	n	1392 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

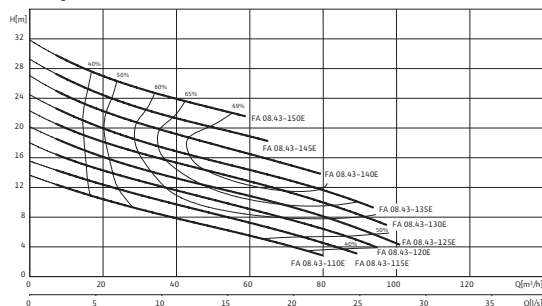


Data sheet: Wilo-EMU FA 08.41-144E + T 12-4/11GEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046640
EAN number	4044966489178
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-110E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.43E – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	13.6 m
Max. volume flow	Q_{max}	79.60 m³/h
Optimal delivery head	H_{opt}	7.1 m
Optimum volume flow	Q_{opt}	46.10 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	5 A
Starting current	I_A	37 A
Nominal motor power	P_2	2.20 kW
Power consumption	P_1	2.80 kW
Power factor	$\cos \varphi$	0.8
Activation type		Direct
Nominal speed	n	2890 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

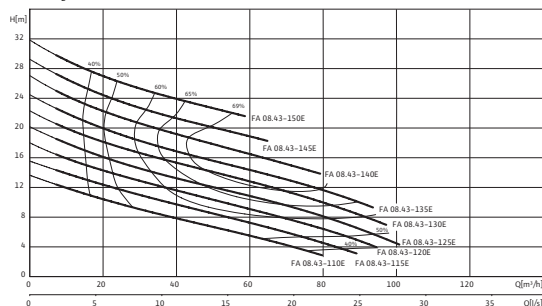
Float switch		–
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.43-110E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047584
EAN number	4044966499511
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-115E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.43E – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	15.6 m
Max. volume flow	Q_{max}	89.10 m³/h
Optimal delivery head	H_{opt}	9.0 m
Optimum volume flow	Q_{opt}	46.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S1
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	5 A
Starting current	I_A	37 A
Nominal motor power	P_2	2.20 kW
Power consumption	P_1	2.80 kW
Power factor	$\cos \varphi$	0.8
Activation type		Direct
Nominal speed	n	2890 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

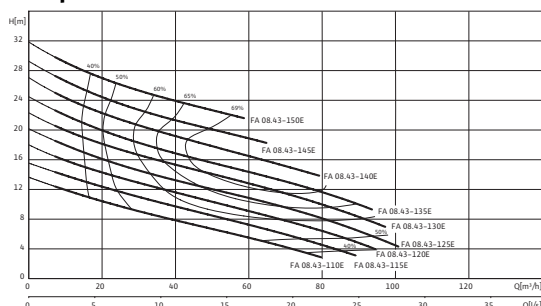


Data sheet: Wilo-EMU FA 08.43-115E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047586
EAN number	4044966499535
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-120E + T 13-2/9HEX

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	18.1 m
Max. volume flow	Q_{max}	94.40 m³/h
Optimal delivery head	H_{opt}	10.0 m
Optimum volume flow	Q_{opt}	52.40 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	53 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	5.30 A
Starting current	I_A	25 A
Nominal motor power	P_2	2.40 kW
Power consumption	P_1	3 kW
Power factor	$\cos \varphi$	0.83
Activation type		Direct
Nominal speed	n	2800 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

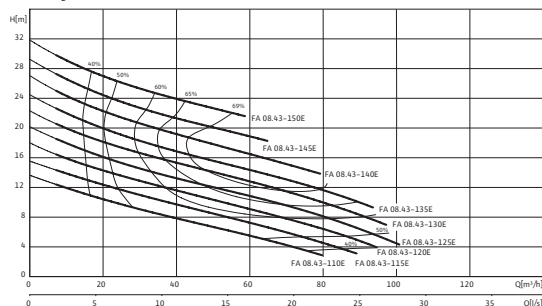
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.43-120E + T 13-2/9HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047588
EAN number	4044966499559
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.43-120E + T 13-2/12HEx

Pump curves Wilo-EMU FA 08.43E – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	18.1 m
Max. volume flow	Q_{max}	94.40 m³/h
Optimal delivery head	H_{opt}	10.0 m
Optimum volume flow	Q_{opt}	52.40 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

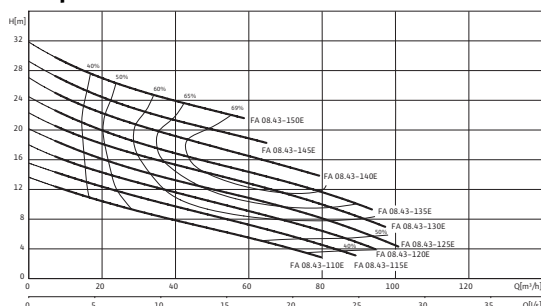
Float switch		–
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.43-120E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6044795
EAN number	4044966472187
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-125E + T 13-2/12HEX

Pump curves Wilo-EMU FA 08.43E – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	20.3 m
Max. volume flow	Q_{max}	104 m³/h
Optimal delivery head	H_{opt}	11.1 m
Optimum volume flow	Q_{opt}	58.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

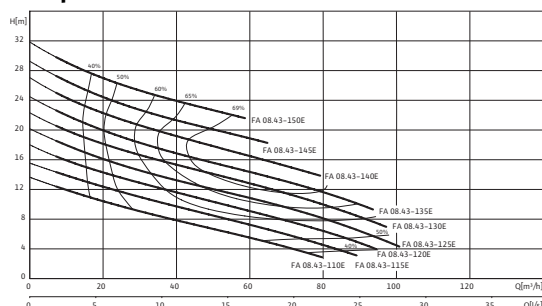


Data sheet: Wilo-EMU FA 08.43-125E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047590
EAN number	4044966499573
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.43-130E + T 13-2/12HEx

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	22.3 m
Max. volume flow	Q_{max}	108 m³/h
Optimal delivery head	H_{opt}	13.1 m
Optimum volume flow	Q_{opt}	57.70 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

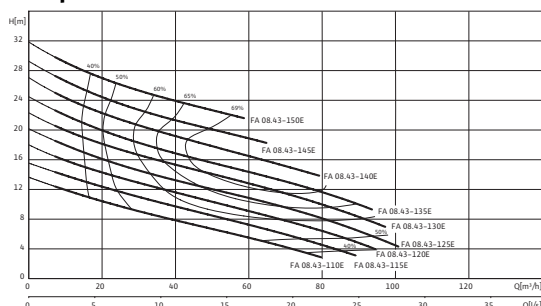


Data sheet: Wilo-EMU FA 08.43-130E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047592
EAN number	4044966499597
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-135E + T 13-2/12HEx

Pump curves Wilo-EMU FA 08.43E – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	24.4 m
Max. volume flow	Q_{max}	112 m³/h
Optimal delivery head	H_{opt}	14.2 m
Optimum volume flow	Q_{opt}	61.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	55.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

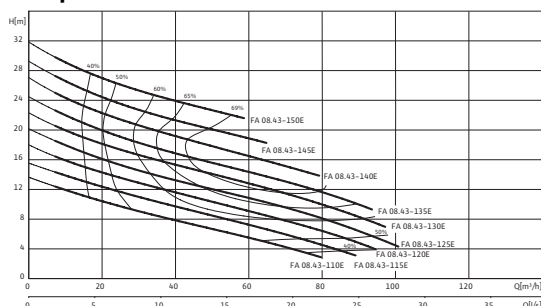
Float switch		–
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.43-135E + T 13-2/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6035728
EAN number	4044966333655
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-135E + T 13-2/16Hex

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	24.4 m
Max. volume flow	Q_{max}	112 m³/h
Optimal delivery head	H_{opt}	14.2 m
Optimum volume flow	Q_{opt}	61.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	59 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.70 A
Starting current	I_A	64 A
Nominal motor power	P_2	5 kW
Power consumption	P_1	6 kW
Power factor	$\cos \varphi$	0.88
Activation type		Direct
Nominal speed	n	2835 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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



Data sheet: Wilo-EMU FA 08.43-135E + T 13-2/16HEx

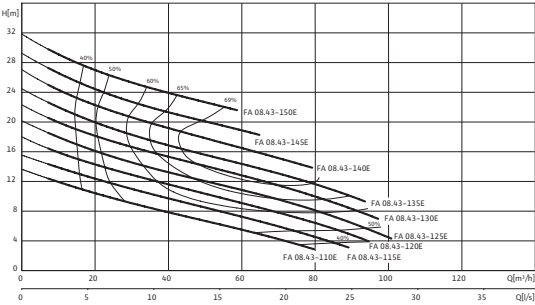
Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6044796
EAN number	4044966472194
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8



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Data sheet: Wilo-EMU FA 08.43-140E + T 13-2/12HEx

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit		
Max. delivery head	H_{max}	27.0 m
Max. volume flow	Q_{max}	118 m³/h
Optimal delivery head	H_{opt}	16.6 m
Optimum volume flow	Q_{opt}	59.10 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C

Motor data		
Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.75 kW
Power consumption	P_1	4.70 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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



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Data sheet: Wilo-EMU FA 08.43-140E + T 13-2/12HEx

Materials

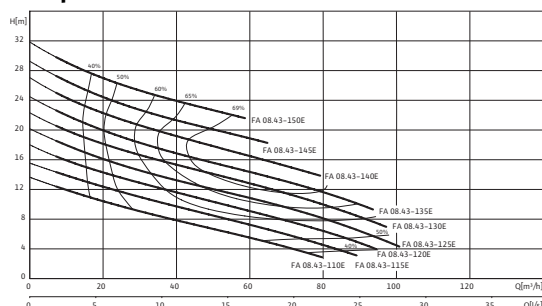
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6049211
EAN number	4044966508640
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.43-140E + T 13-2/16Hex

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	27.0 m
Max. volume flow	Q_{max}	118 m³/h
Optimal delivery head	H_{opt}	16.6 m
Optimum volume flow	Q_{opt}	59.10 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	59.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	5 kW
Power consumption	P_1	6 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

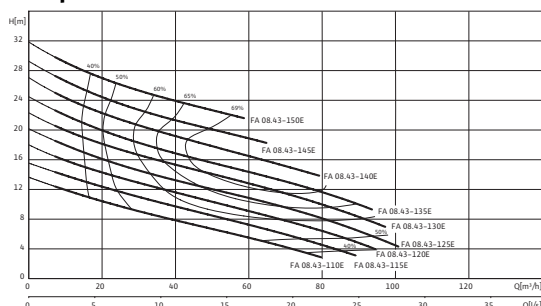


Data sheet: Wilo-EMU FA 08.43-140E + T 13-2/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047596
EAN number	4044966499627
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-145E + T 13-2/16Hex

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	29.3 m
Max. volume flow	Q_{max}	78.10 m³/h
Optimal delivery head	H_{opt}	17.8 m
Optimum volume flow	Q_{opt}	68 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	59.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.60 A
Starting current	I_A	37 A
Nominal motor power	P_2	5 kW
Power consumption	P_1	6 kW
Power factor	$\cos \varphi$	0.9
Activation type		Direct
Nominal speed	n	2825 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

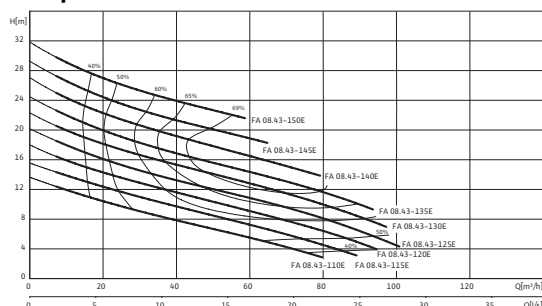
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.43-145E + T 13-2/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047598
EAN number	4044966499641
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.43-150E + T 13-2/16Hex

Pump curves Wilo-EMU FA 08.43E - 50 Hz - 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	31.9 m
Max. volume flow	Q_{max}	58.70 m³/h
Optimal delivery head	H_{opt}	20.9 m
Optimum volume flow	Q_{opt}	64 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.50 bar
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	59.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.70 A
Starting current	I_A	64 A
Nominal motor power	P_2	5 kW
Power consumption	P_1	6 kW
Power factor	$\cos \varphi$	0.88
Activation type		Direct
Nominal speed	n	2835 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

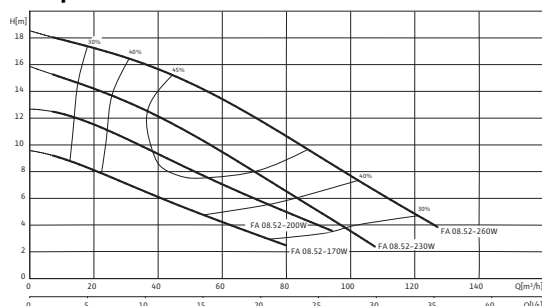


Data sheet: Wilo-EMU FA 08.43-150E + T 13-2/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6035730
EAN number	4044966333686
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 08.52-170W + T 17-4/8HEx

Pump curves Wilo-EMU FA 08.52W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	9.5 m
Max. volume flow	Q_{max}	79.70 m³/h
Optimal delivery head	H_{opt}	6.5 m
Optimum volume flow	Q_{opt}	35.80 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	71 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

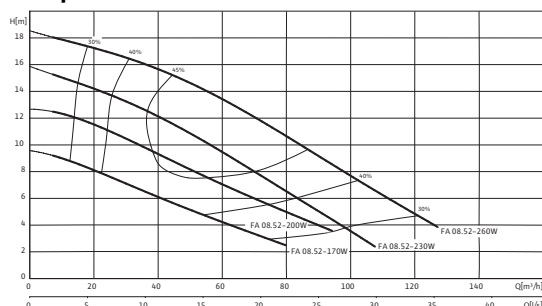


Data sheet: Wilo-EMU FA 08.52-170W + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6045116
EAN number	4044966470909
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.52-200W + T 17-4/8HEx

Pump curves Wilo-EMU FA 08.52W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	12.6 m
Max. volume flow	Q_{max}	94.20 m³/h
Optimal delivery head	H_{opt}	8.6 m
Optimum volume flow	Q_{opt}	46.30 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	72 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

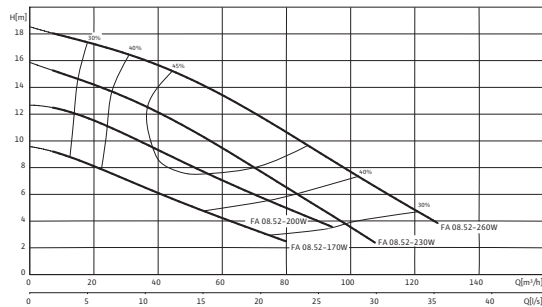


Data sheet: Wilo-EMU FA 08.52-200W + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6045115
EAN number	4044966470695
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.52-230W + T 17-4/8HEx

Pump curves Wilo-EMU FA 08.52W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	15.8 m
Max. volume flow	Q_{max}	108 m³/h
Optimal delivery head	H_{opt}	10.6 m
Optimum volume flow	Q_{opt}	52.30 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	74 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

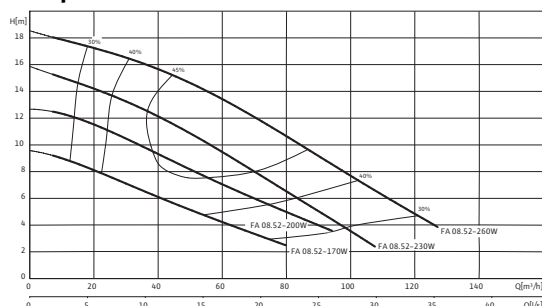


Data sheet: Wilo-EMU FA 08.52-230W + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047610
EAN number	4044966500026
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.52-230W + T 17-4/12HEx

Pump curves Wilo-EMU FA 08.52W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	15.8 m
Max. volume flow	Q_{max}	108 m³/h
Optimal delivery head	H_{opt}	10.6 m
Optimum volume flow	Q_{opt}	52.30 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 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	9.40 A
Starting current	I_A	47 A
Nominal motor power	P_2	4.50 kW
Power consumption	P_1	5.80 kW
Power factor	$\cos \varphi$	0.89
Activation type		Direct
Nominal speed	n	1405 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

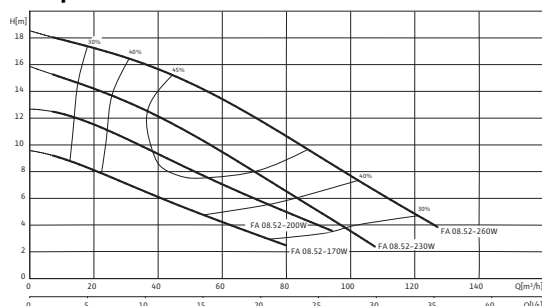


Data sheet: Wilo-EMU FA 08.52-230W + T 17-4/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046641
EAN number	4044966489185
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.52-260W + T 17-4/16HEx

Pump curves Wilo-EMU FA 08.52W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	18.4 m
Max. volume flow	Q_{max}	127 m³/h
Optimal delivery head	H_{opt}	12.7 m
Optimum volume flow	Q_{opt}	65.30 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	95 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

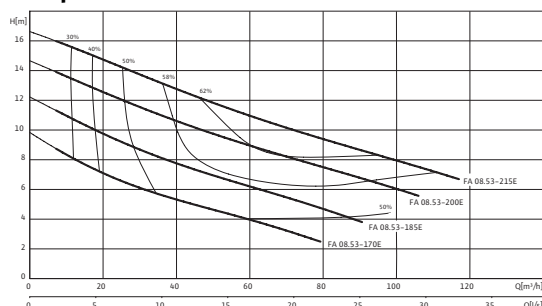


Data sheet: Wilo-EMU FA 08.52-260W + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046642
EAN number	4044966489192
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.53-170E + T 13-4/9HEX

Pump curves Wilo-EMU FA 08.53E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	9.8 m
Max. volume flow	Q_{max}	79.30 m³/h
Optimal delivery head	H_{opt}	4.9 m
Optimum volume flow	Q_{opt}	45.60 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	66.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	4.20 A
Starting current	I_A	16 A
Nominal motor power	P_2	1.75 kW
Power consumption	P_1	2.50 kW
Power factor	$\cos \varphi$	0.86
Activation type		Direct
Nominal speed	n	1310 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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



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Data sheet: Wilo-EMU FA 08.53-170E + T 13-4/9HEx

Materials

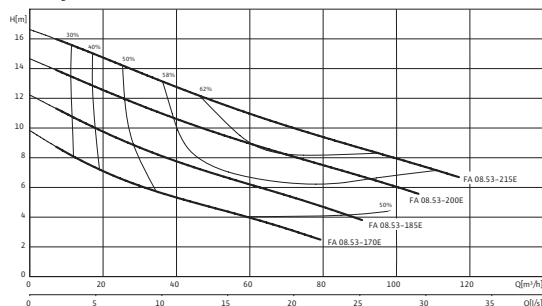
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6047614
EAN number	4044966500057
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.53-185E + T 13-4/12HEx

Pump curves Wilo-EMU FA 08.53E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	12.2 m
Max. volume flow	Q_{max}	90.60 m³/h
Optimal delivery head	H_{opt}	6.8 m
Optimum volume flow	Q_{opt}	51.90 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	68.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	5.10 A
Starting current	I_A	20 A
Nominal motor power	P_2	2.25 kW
Power consumption	P_1	3 kW
Power factor	$\cos \varphi$	0.85
Activation type		Direct
Nominal speed	n	1350 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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



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Data sheet: Wilo-EMU FA 08.53-185E + T 13-4/12HEx

Materials

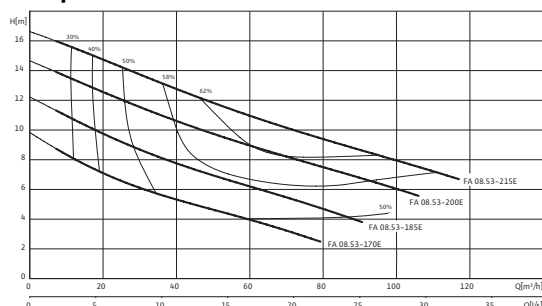
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6047616
EAN number	4044966500071
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.53-200E + T 13-4/18HEx

Pump curves Wilo-EMU FA 08.53E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	14.7 m
Max. volume flow	Q_{max}	106 m³/h
Optimal delivery head	H_{opt}	8.6 m
Optimum volume flow	Q_{opt}	65.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	73.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.20 A
Starting current	I_A	32 A
Nominal motor power	P_2	4 kW
Power consumption	P_1	5 kW
Power factor	$\cos \varphi$	0.79
Activation type		Direct
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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



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Data sheet: Wilo-EMU FA 08.53-200E + T 13-4/18HEx

Materials

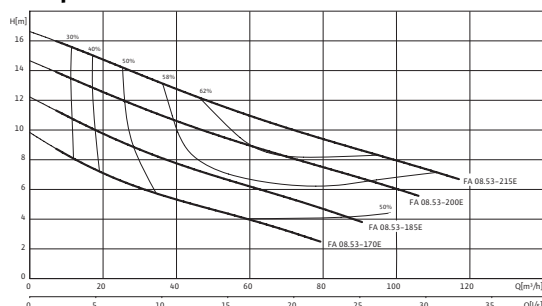
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6047618
EAN number	4044966500095
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.53-215E + T 13-4/18HEx

Pump curves Wilo-EMU FA 08.53E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	16.6 m
Max. volume flow	Q_{max}	117 m³/h
Optimal delivery head	H_{opt}	10.2 m
Optimum volume flow	Q_{opt}	69.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Free ball passage		70 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	73.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.20 A
Starting current	I_A	32 A
Nominal motor power	P_2	4 kW
Power consumption	P_1	5 kW
Power factor	$\cos \varphi$	0.79
Activation type		Direct
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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



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Data sheet: Wilo-EMU FA 08.53-215E + T 13-4/18HEx

Materials

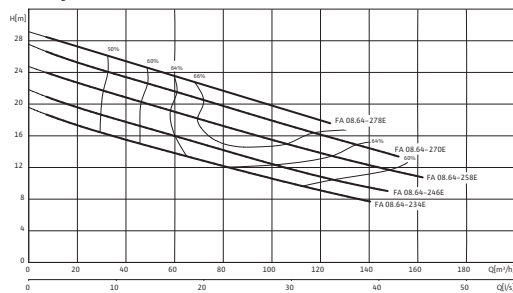
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6046643
EAN number	4044966489307
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 08.64-234E + T 17-4/16HEX

Pump curves Wilo-EMU FA 08.64E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	19.6 m
Max. volume flow	Q_{max}	144 m³/h
Optimal delivery head	H_{opt}	12.8 m
Optimum volume flow	Q_{opt}	73 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	105 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

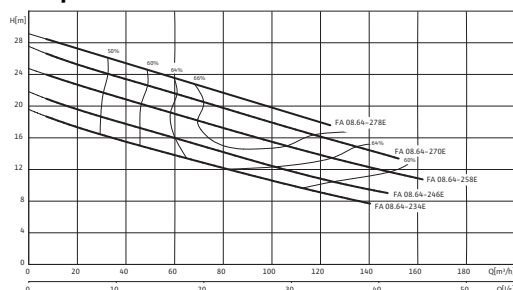
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.64-234E + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047622
EAN number	4044966500125
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.64-246E + T 17-4/16HEX

Pump curves Wilo-EMU FA 08.64E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	21.8 m
Max. volume flow	Q_{max}	155 m³/h
Optimal delivery head	H_{opt}	14.5 m
Optimum volume flow	Q_{opt}	76.10 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	106 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

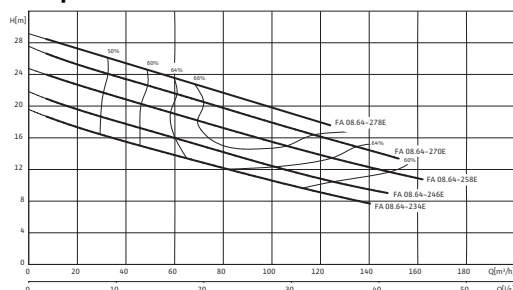
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.64-246E + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047624
EAN number	4044966500149
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.64-258E + T 17.2-4/24HEx

Pump curves Wilo-EMU FA 08.64E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	24.6 m
Max. volume flow	Q_{max}	162 m³/h
Optimal delivery head	H_{opt}	16.7 m
Optimum volume flow	Q_{opt}	85.70 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	136 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

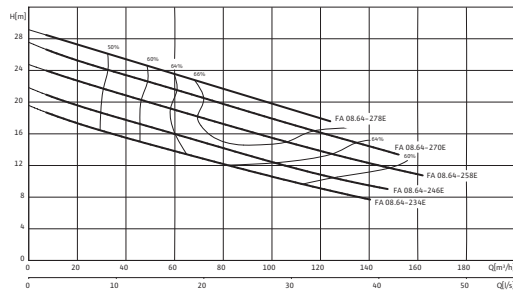


Data sheet: Wilo-EMU FA 08.64-258E + T 17.2-4/24HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047626
EAN number	4044966500163
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.64-270E + T 17.2-4/24HEx

Pump curves Wilo-EMU FA 08.64E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	27.6 m
Max. volume flow	Q_{max}	152 m³/h
Optimal delivery head	H_{opt}	18.6 m
Optimum volume flow	Q_{opt}	92.70 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	137 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

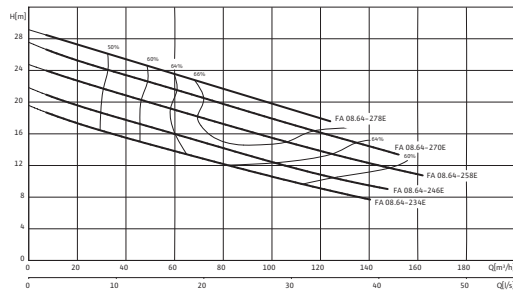
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 08.64-270E + T 17.2-4/24HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047628
EAN number	4044966500187
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.64-278E + T 17.2-4/24HEx

Pump curves Wilo-EMU FA 08.64E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	29.4 m
Max. volume flow	Q_{max}	124 m³/h
Optimal delivery head	H_{opt}	20.0 m
Optimum volume flow	Q_{opt}	98.20 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	138 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

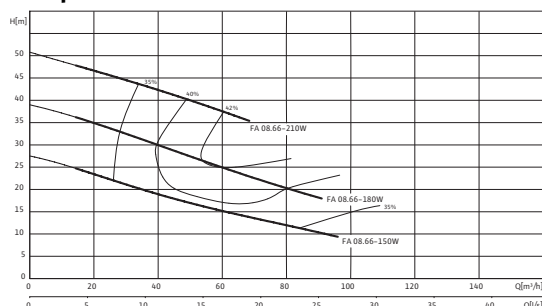


Data sheet: Wilo-EMU FA 08.64-278E + T 17.2-4/24HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047630
EAN number	4044966500309
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.66-150W +T 17-2/22HEx

Pump curves Wilo-EMU FA 08.66W – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	27.5 m
Max. volume flow	Q_{max}	96 m³/h
Optimal delivery head	H_{opt}	16.9 m
Optimum volume flow	Q_{opt}	50.40 m³/h
Pressure connection	DN 80	
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	7.20 bar
Free ball passage	50 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	–	
Max. immersion depth	20 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +40 °C

Motor data

Mains connection	3~400 V, 50 Hz	
Nominal current	I_N	20.50 A
Starting current	I_A	57 A
Nominal motor power	P_2	10.50 kW
Power consumption	P_1	12.30 kW
Power factor	$\cos \varphi$	0.87
Activation type	Star-delta	
Nominal speed	n	2907 rpm
Insulation class	F	
Max. switching frequency	15 1/h	
Permitted voltage tolerance	±10 %	

Cable

Length of connecting cable	10 m	
Cable type	H07RN-F	
Cable cross-section	10G1,5 mm²	
Type of connecting cable	Non-detachable	
Mains plug	–	

Equipment/function

Float switch	–	
Motor protection	WSK	
Explosion protection	ATEX	



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Data sheet: Wilo-EMU FA 08.66-150W +T 17-2/22HEx

Materials

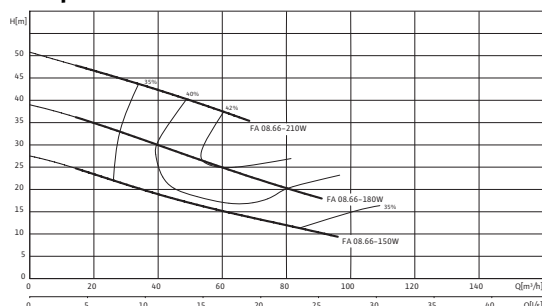
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6049218
EAN number	4044966508947
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.66-180W +T 20.1-2/22GEx

Pump curves Wilo-EMU FA 08.66W – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	39.0 m
Max. volume flow	Q_{max}	91 m ³ /h
Optimal delivery head	H_{opt}	25.8 m
Optimum volume flow	Q_{opt}	56.40 m ³ /h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	7.20 bar
Free ball passage		50 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	30 A
Starting current	I_A	72 A
Nominal motor power	P_2	15.50 kW
Power consumption	P_1	18.60 kW
Power factor	$\cos \varphi$	0.9
Activation type		Star-delta
Nominal speed	n	2900 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		2x 4x2,5 + 7x1,5 mm ²
Type of connecting cable		Non-detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX



Data sheet: Wilo-EMU FA 08.66-180W +T 20.1-2/22GEx

Materials

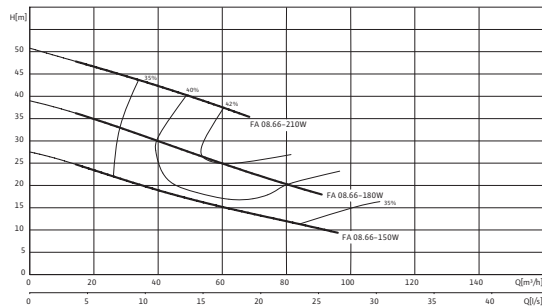
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6049220
EAN number	4044966508961
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 08.66-210W +T 20.1-2/22GEx

Pump curves Wilo-EMU FA 08.66W – 50 Hz – 2900 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	51.0 m
Max. volume flow	Q_{max}	80 m³/h
Optimal delivery head	H_{opt}	33.5 m
Optimum volume flow	Q_{opt}	75.50 m³/h
Pressure connection		DN 80
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	7.20 bar
Free ball passage		50 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	30 A
Starting current	I_A	72 A
Nominal motor power	P_2	15.50 kW
Power consumption	P_1	18.60 kW
Power factor	$\cos \varphi$	0.9
Activation type		Star-delta
Nominal speed	n	2900 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		2x 4x2,5 + 7x1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		–

Equipment/function

Float switch		–
Motor protection		WSK
Explosion protection		ATEX



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Data sheet: Wilo-EMU FA 08.66-210W +T 20.1-2/22GEx

Materials

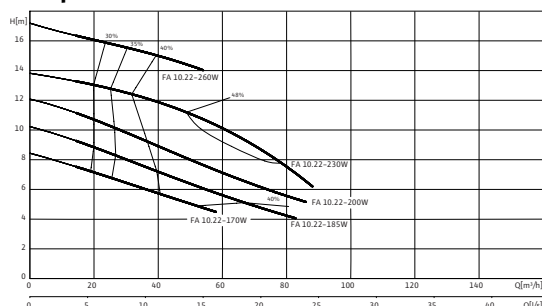
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	SiC/SiC
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6049221
EAN number	4044966508978
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 10.22-170W + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.22W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	8.5 m
Max. volume flow	Q_{max}	58 m ³ /h
Optimal delivery head	H_{opt}	5.3 m
Optimum volume flow	Q_{opt}	46.10 m ³ /h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.90 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	73 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

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

Equipment/function

Float switch		–
Motor protection		WSK

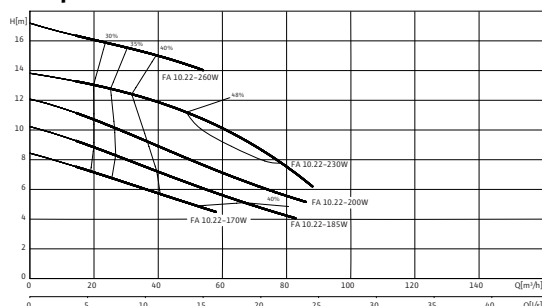


Data sheet: Wilo-EMU FA 10.22-170W + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047650
EAN number	4044966500477
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.22-185W + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.22W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	10.2 m
Max. volume flow	Q_{max}	82.80 m³/h
Optimal delivery head	H_{opt}	6.2 m
Optimum volume flow	Q_{opt}	52 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.90 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	73 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

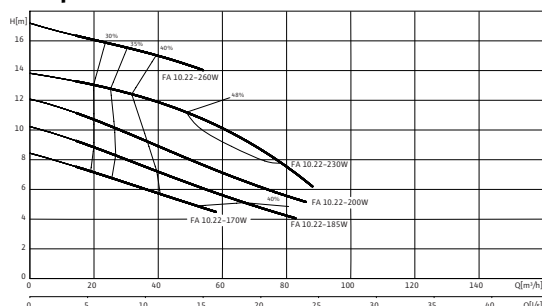


Data sheet: Wilo-EMU FA 10.22-185W + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047652
EAN number	4044966500491
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.22-200W + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.22W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	12.1 m
Max. volume flow	Q_{max}	86 m ³ /h
Optimal delivery head	H_{opt}	7.1 m
Optimum volume flow	Q_{opt}	60.30 m ³ /h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.90 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	74 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

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

Equipment/function

Float switch		–
Motor protection		WSK

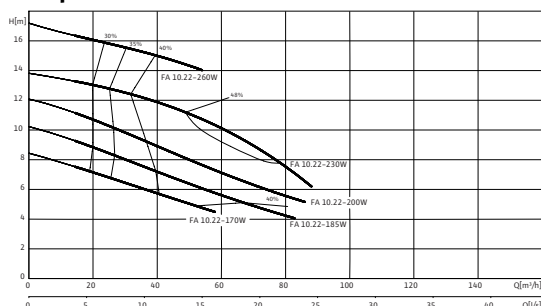


Data sheet: Wilo-EMU FA 10.22-200W + T 17-4/8HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047654
EAN number	4044966500613
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.22-230W + T 17-4/12Hex

Pump curves Wilo-EMU FA 10.22W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	13.9 m
Max. volume flow	Q_{max}	88.10 m³/h
Optimal delivery head	H_{opt}	9.7 m
Optimum volume flow	Q_{opt}	63.50 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.90 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	84 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.40 A
Starting current	I_A	47 A
Nominal motor power	P_2	4.50 kW
Power consumption	P_1	5.80 kW
Power factor	$\cos \varphi$	0.89
Activation type		Direct
Nominal speed	n	1405 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

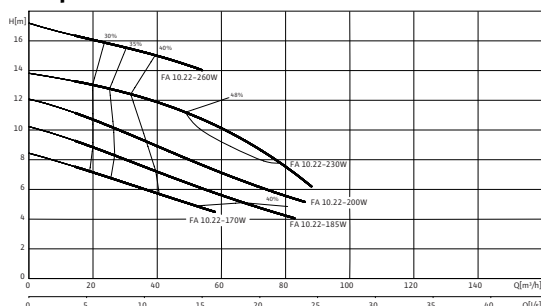


Data sheet: Wilo-EMU FA 10.22-230W + T 17-4/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6035738
EAN number	4044966333822
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.22-230W + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.22W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	13.9 m
Max. volume flow	Q_{max}	88.10 m³/h
Optimal delivery head	H_{opt}	9.7 m
Optimum volume flow	Q_{opt}	63.50 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.90 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	76 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

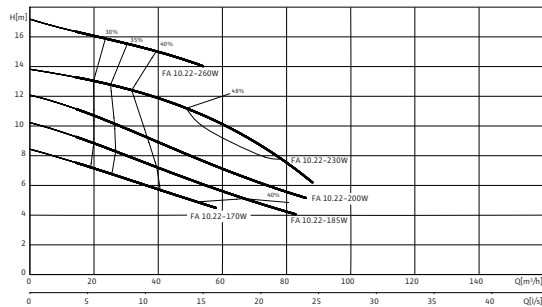


Data sheet: Wilo-EMU FA 10.22-230W + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047656
EAN number	4044966500637
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.22-260W + T 17-4/12HEx

Pump curves Wilo-EMU FA 10.22W – 50 Hz – 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	17.3 m
Max. volume flow	Q_{max}	85.30 m³/h
Optimal delivery head	H_{opt}	10.5 m
Optimum volume flow	Q_{opt}	88.10 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.90 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		–
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	86 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.40 A
Starting current	I_A	47 A
Nominal motor power	P_2	4.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.89
Activation type		Direct
Nominal speed	n	1405 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

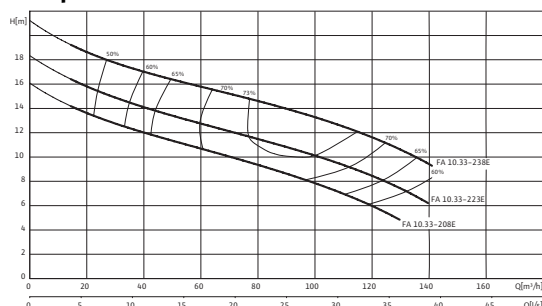


Data sheet: Wilo-EMU FA 10.22-260W + T 17-4/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047658
EAN number	4044966500651
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.33-208E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.33E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	16.1 m
Max. volume flow	Q_{max}	130 m³/h
Optimal delivery head	H_{opt}	9.3 m
Optimum volume flow	Q_{opt}	80.30 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	73 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

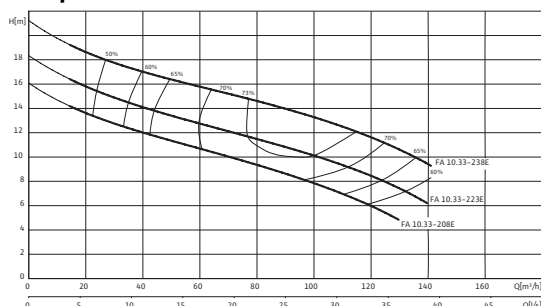


Data sheet: Wilo-EMU FA 10.33-208E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047662
EAN number	4044966500699
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.33-223E + T 17-4/12HEx

Pump curves Wilo-EMU FA 10.33E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	18.3 m
Max. volume flow	Q_{max}	140 m³/h
Optimal delivery head	H_{opt}	10.9 m
Optimum volume flow	Q_{opt}	89.20 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 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	9.40 A
Starting current	I_A	47 A
Nominal motor power	P_2	4.50 kW
Power consumption	P_1	5.80 kW
Power factor	$\cos \varphi$	0.89
Activation type		Direct
Nominal speed	n	1405 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

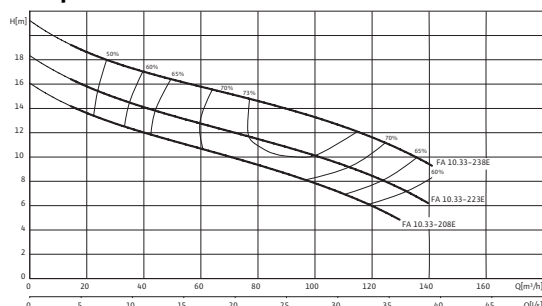
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.33-223E + T 17-4/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047664
EAN number	4044966500712
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.33-238E + T 17-4/16HEx

Pump curves Wilo-EMU FA 10.33E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	21.2 m
Max. volume flow	Q_{max}	141 m³/h
Optimal delivery head	H_{opt}	13.5 m
Optimum volume flow	Q_{opt}	97.20 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	92 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

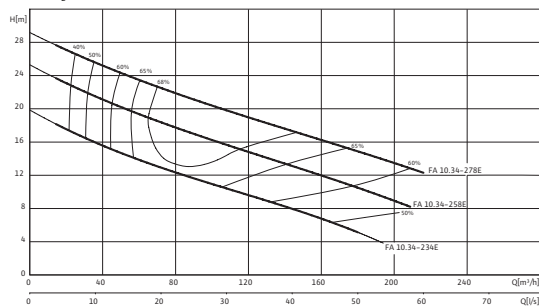


Data sheet: Wilo-EMU FA 10.33-238E + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJS-500-7
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047666
EAN number	4044966500743
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.34-234E + T 17-4/16HEx

Pump curves Wilo-EMU FA 10.34E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	19.6 m
Max. volume flow	Q_{max}	195 m³/h
Optimal delivery head	H_{opt}	11.8 m
Optimum volume flow	Q_{opt}	83.10 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	106 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

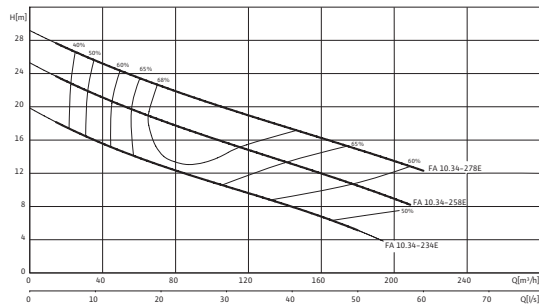


Data sheet: Wilo-EMU FA 10.34-234E + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6045118
EAN number	4044966470923
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 10.34-258E + T 17.2-4/24HEX

Pump curves Wilo-EMU FA 10.34E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	25.0 m
Max. volume flow	Q_{max}	225 m³/h
Optimal delivery head	H_{opt}	17.3 m
Optimum volume flow	Q_{opt}	86.20 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	137 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

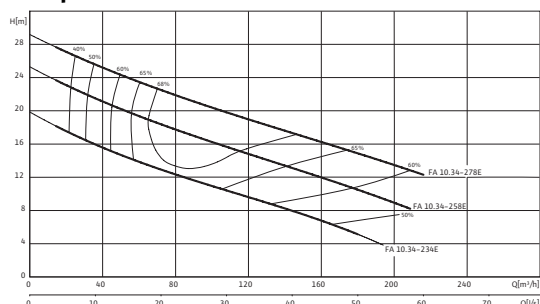
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.34-258E + T 17.2-4/24HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6045117
EAN number	4044966470916
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.34-278E + T 20.1-4/22GEx

Pump curves Wilo-EMU FA 10.34E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	28.9 m
Max. volume flow	Q_{max}	247 m³/h
Optimal delivery head	H_{opt}	19.8 m
Optimum volume flow	Q_{opt}	105 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	3.10 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	216 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	30.50 A
Starting current	I_A	156 A
Nominal motor power	P_2	15 kW
Power consumption	P_1	18.20 kW
Power factor	$\cos \varphi$	0.86
Activation type		Star-delta
Nominal speed	n	1425 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		2x 4x2,5 + 7x1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

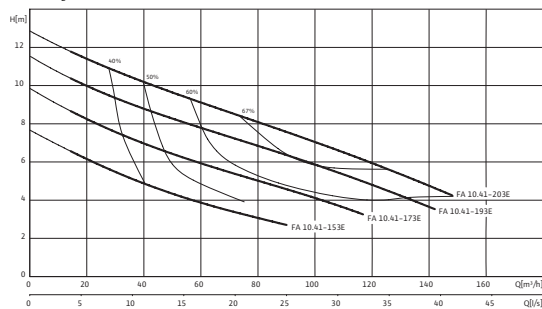
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.34-278E + T 20.1-4/22GEx

Explosion protection	ATEX
Materials	
Static seal	NBR
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
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047678
EAN number	4044966500293
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.41-153E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.41E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	7.6 m
Max. volume flow	Q_{max}	90 m³/h
Optimal delivery head	H_{opt}	3.5 m
Optimum volume flow	Q_{opt}	69.70 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	69.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

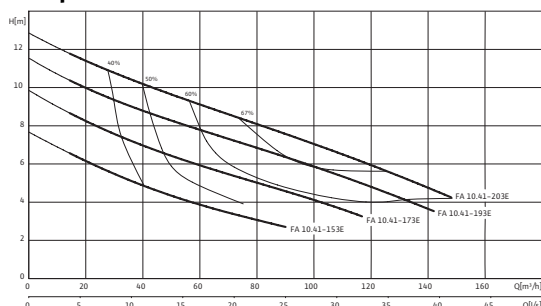
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.41-153E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047680
EAN number	4044966500811
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 10.41-173E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.41E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	9.8 m
Max. volume flow	Q_{max}	117 m³/h
Optimal delivery head	H_{opt}	4.8 m
Optimum volume flow	Q_{opt}	85.70 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	70 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

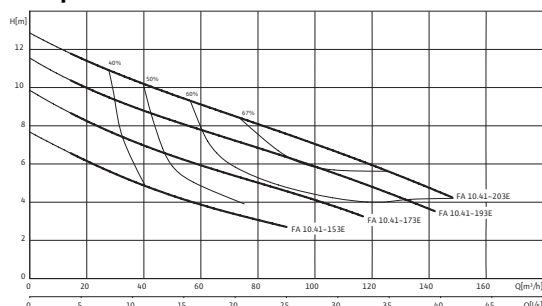
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.41-173E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047684
EAN number	4044966500859
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 10.41-193E + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.41E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	11.4 m
Max. volume flow	Q_{max}	142 m³/h
Optimal delivery head	H_{opt}	6.0 m
Optimum volume flow	Q_{opt}	96.50 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	70.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

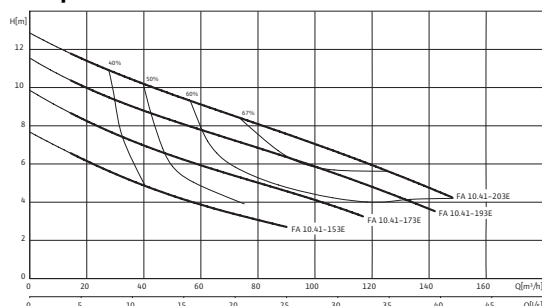
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.41-193E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047688
EAN number	4044966500897
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 10.41-203E + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.41E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	12.8 m
Max. volume flow	Q_{max}	148 m³/h
Optimal delivery head	H_{opt}	7.1 m
Optimum volume flow	Q_{opt}	99.20 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		80 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	70.50 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

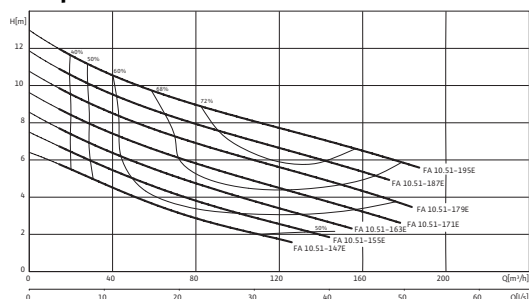


Data sheet: Wilo-EMU FA 10.41-203E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047690
EAN number	4044966500910
Ready for delivery	Delivery time on request
Price group	W8

Data sheet: Wilo-EMU FA 10.51-147E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	6.4 m
Max. volume flow	Q_{max}	142 m³/h
Optimal delivery head	H_{opt}	3.5 m
Optimum volume flow	Q_{opt}	61.60 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 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	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

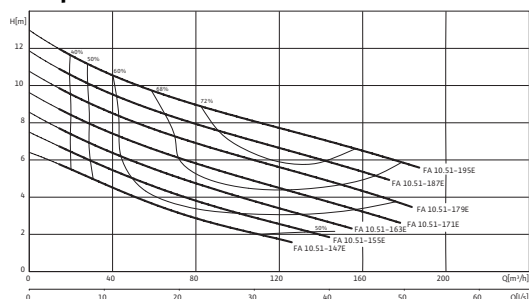


Data sheet: Wilo-EMU FA 10.51-147E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047692
EAN number	4044966500934
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.51-155E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	7.5 m
Max. volume flow	Q_{max}	154 m³/h
Optimal delivery head	H_{opt}	4.1 m
Optimum volume flow	Q_{opt}	72.10 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 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	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

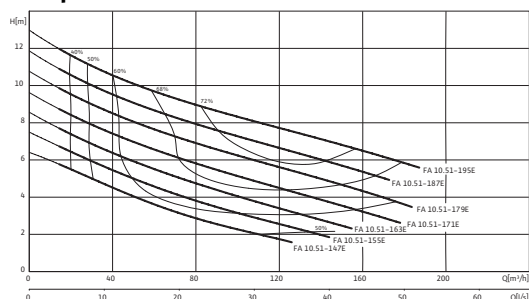
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.51-155E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047694
EAN number	4044966500958
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.51-163E + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	8.5 m
Max. volume flow	Q_{max}	167 m³/h
Optimal delivery head	H_{opt}	4.6 m
Optimum volume flow	Q_{opt}	83.40 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 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	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

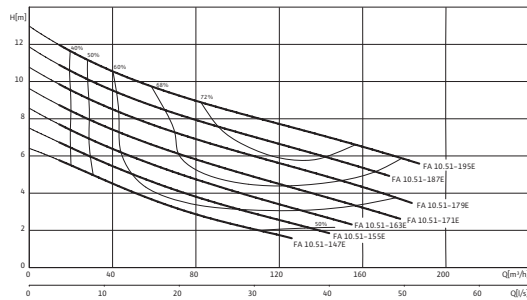
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.51-163E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047696
EAN number	4044966500972
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.51-171E + T 17-4/8HEx

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	9.6 m
Max. volume flow	Q_{max}	178 m³/h
Optimal delivery head	H_{opt}	5.2 m
Optimum volume flow	Q_{opt}	97.80 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	68 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

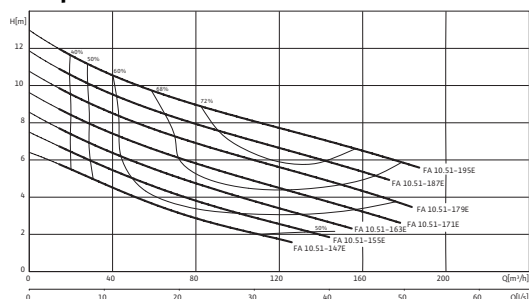


Data sheet: Wilo-EMU FA 10.51-171E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047698
EAN number	4044966500996
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.51-179E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	10.6 m
Max. volume flow	Q_{max}	194 m³/h
Optimal delivery head	H_{opt}	5.7 m
Optimum volume flow	Q_{opt}	117 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	68 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

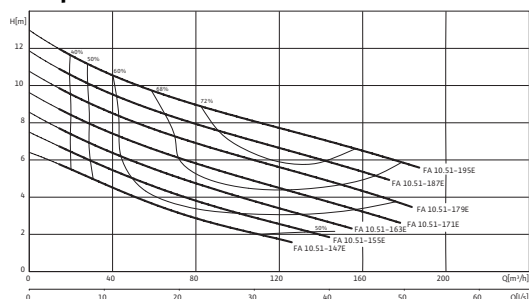


Data sheet: Wilo-EMU FA 10.51-179E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6035740
EAN number	4044966333846
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.51-187E + T 17-4/8HEX

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	11.7 m
Max. volume flow	Q_{max}	205 m³/h
Optimal delivery head	H_{opt}	6.7 m
Optimum volume flow	Q_{opt}	117 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	69 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	7.90 A
Starting current	I_A	37 A
Nominal motor power	P_2	3.50 kW
Power consumption	P_1	4.50 kW
Power factor	$\cos \varphi$	0.82
Activation type		Direct
Nominal speed	n	1410 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

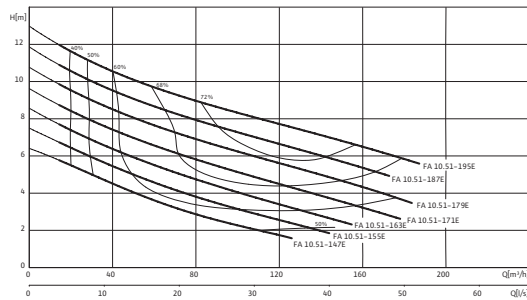


Data sheet: Wilo-EMU FA 10.51-187E + T 17-4/8HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047702
EAN number	4044966501122
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.51-195E + T 17-4/12HEx

Pump curves Wilo-EMU FA 10.51E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	12.8 m
Max. volume flow	Q_{max}	218 m³/h
Optimal delivery head	H_{opt}	7.6 m
Optimum volume flow	Q_{opt}	124 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	1.40 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	77 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	9.40 A
Starting current	I_A	47 A
Nominal motor power	P_2	4.50 kW
Power consumption	P_1	5.80 kW
Power factor	$\cos \varphi$	0.89
Activation type		Direct
Nominal speed	n	1405 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

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

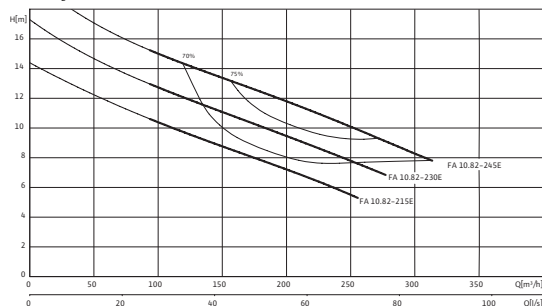
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.51-195E + T 17-4/12HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047704
EAN number	4044966501146
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 10.82-215E + T 17-4/16HEx

Pump curves Wilo-EMU FA 10.82E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	14.3 m
Max. volume flow	Q_{max}	260 m³/h
Optimal delivery head	H_{opt}	7.8 m
Optimum volume flow	Q_{opt}	180 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.10 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	117 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

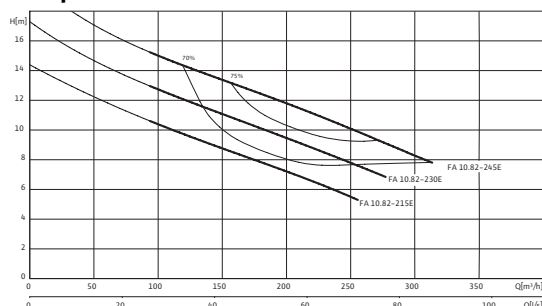


Data sheet: Wilo-EMU FA 10.82-215E + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047722
EAN number	4044966501337
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 10.82-230E + T 17.2-4/24HEx

Pump curves Wilo-EMU FA 10.82E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	17.2 m
Max. volume flow	Q_{max}	288 m ³ /h
Optimal delivery head	H_{opt}	9.7 m
Optimum volume flow	Q_{opt}	194 m ³ /h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.10 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	147 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

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

Equipment/function

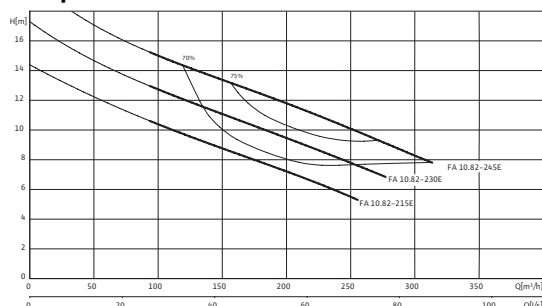
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.82-230E + T 17.2-4/24HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047724
EAN number	4044966501351
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 10.82-245E + T 17.2-4/24HEX

Pump curves Wilo-EMU FA 10.82E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	20.0 m
Max. volume flow	Q_{max}	314 m³/h
Optimal delivery head	H_{opt}	11.3 m
Optimum volume flow	Q_{opt}	216 m³/h
Pressure connection		DN 100
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.10 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	148 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

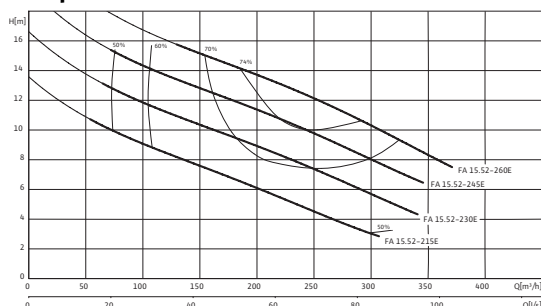
Float switch		—
Motor protection		WSK

Data sheet: Wilo-EMU FA 10.82-245E + T 17.2-4/24HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047726
EAN number	4044966501375
Ready for delivery	Stock
Price group	W8

Data sheet: Wilo-EMU FA 15.52-215E + T 17-4/16HEx

Pump curves Wilo-EMU FA 15.52E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	13.6 m
Max. volume flow	Q_{max}	307 m³/h
Optimal delivery head	H_{opt}	6.7 m
Optimum volume flow	Q_{opt}	179 m³/h
Pressure connection		DN 150
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	140 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

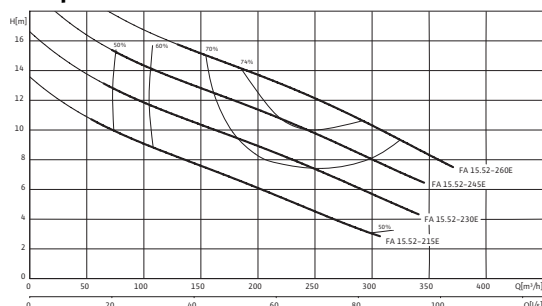


Data sheet: Wilo-EMU FA 15.52-215E + T 17-4/16HEx

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6046644
EAN number	4044966489314
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 15.52-230E + T 17.2-4/16HEx

Pump curves Wilo-EMU FA 15.52E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	16.6 m
Max. volume flow	Q_{max}	341 m³/h
Optimal delivery head	H_{opt}	8.4 m
Optimum volume flow	Q_{opt}	217 m³/h
Pressure connection		DN 150
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	13.50 A
Starting current	I_A	68 A
Nominal motor power	P_2	6.50 kW
Power consumption	P_1	8.20 kW
Power factor	$\cos \varphi$	0.87
Activation type		Star-delta
Nominal speed	n	1400 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK
Explosion protection		ATEX



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Data sheet: Wilo-EMU FA 15.52-230E + T 17.2-4/16HEx

Materials

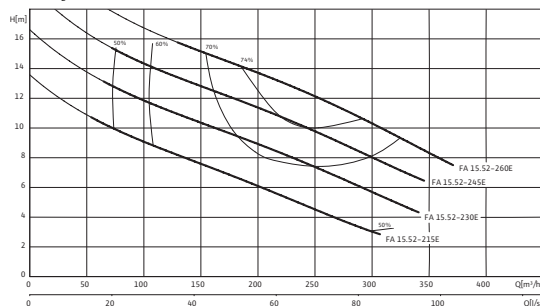
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021

Information for order placements

Make	Wilo
Art no.	6049225
EAN number	4044966509012
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 15.52-230E + T 17.2-4/24HEx

Pump curves Wilo-EMU FA 15.52E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit		
Max. delivery head	H_{max}	16.6 m
Max. volume flow	Q_{max}	341 m³/h
Optimal delivery head	H_{opt}	8.4 m
Optimum volume flow	Q_{opt}	217 m³/h
Pressure connection	DN 150	
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage	100 mm	
Operating mode (immersed)	S1	
Operating mode (non-immersed)	—	
Max. immersion depth	20 m	
Protection class	IP 68	
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	170 kg

Motor data		
Mains connection	3~400 V, 50 Hz	
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type	Star-delta	
Nominal speed	n	1417 rpm
Insulation class	F	
Max. switching frequency	15 1/h	
Permitted voltage tolerance	±10 %	

Cable	
Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross-section	10G1,5 mm²
Type of connecting cable	Non-detachable
Mains plug	—

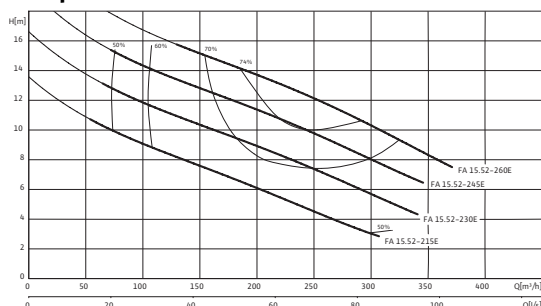
Equipment/function	
Float switch	—
Motor protection	WSK

Data sheet: Wilo-EMU FA 15.52-230E + T 17.2-4/24HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047730
EAN number	4044966501405
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 15.52-245E + T 17.2-4/24HEx

Pump curves Wilo-EMU FA 15.52E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	19.6 m
Max. volume flow	Q_{max}	335 m³/h
Optimal delivery head	H_{opt}	10.4 m
Optimum volume flow	Q_{opt}	232 m³/h
Pressure connection		DN 150
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		—
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	171 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	21 A
Starting current	I_A	123 A
Nominal motor power	P_2	10 kW
Power consumption	P_1	12.20 kW
Power factor	$\cos \varphi$	0.85
Activation type		Star-delta
Nominal speed	n	1417 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		H07RN-F
Cable cross-section		10G1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK

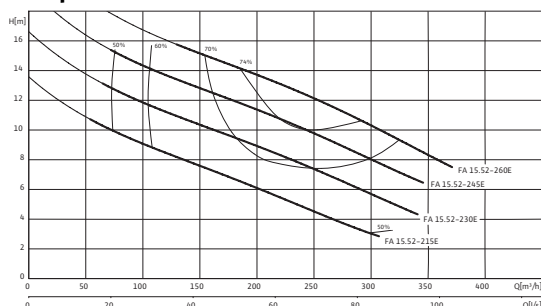


Data sheet: Wilo-EMU FA 15.52-245E + T 17.2-4/24HEX

Explosion protection	ATEX
Materials	
Static seal	NBR
Impeller	EN-GJL-250
Sealing on motor side	NBR
Mechanical seal	SiC/SiC
Motor housing	EN-GJL-250
Pump housing	EN-GJL-250
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047732
EAN number	4044966501429
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8

Data sheet: Wilo-EMU FA 15.52-260E + T 20.1-4/22GEx

Pump curves Wilo-EMU FA 15.52E - 50 Hz - 1450 rpm



Pump curves in accordance with ISO 9906, Appendix A The specified degrees of efficiency correspond to the hydraulic efficiency.

Unit

Max. delivery head	H_{max}	22.3 m
Max. volume flow	Q_{max}	371 m³/h
Optimal delivery head	H_{opt}	12.5 m
Optimum volume flow	Q_{opt}	238 m³/h
Pressure connection		DN 150
Flange (in accordance with EN 1092-2)	PN	10
Maximum operating pressure	p_{max}	2.50 bar
Free ball passage		100 mm
Operating mode (immersed)		S1
Operating mode (non-immersed)		S2-15 min
Max. immersion depth		20 m
Protection class		IP 68
Fluid temperature	T	+3 ... +40 °C
Weight approx.	m	249 kg

Motor data

Mains connection		3~400 V, 50 Hz
Nominal current	I_N	30.50 A
Starting current	I_A	156 A
Nominal motor power	P_2	15 kW
Power consumption	P_1	18.20 kW
Power factor	$\cos \varphi$	0.86
Activation type		Star-delta
Nominal speed	n	1425 rpm
Insulation class		F
Max. switching frequency		15 1/h
Permitted voltage tolerance		±10 %

Cable

Length of connecting cable		10 m
Cable type		NSSHÖU
Cable cross-section		7x2,5 + 7x1,5 mm²
Type of connecting cable		Non-detachable
Mains plug		—

Equipment/function

Float switch		—
Motor protection		WSK



Data sheet: Wilo-EMU FA 15.52-260E + T 20.1-4/22GEx

Explosion protection	ATEX
Materials	
Static seal	NBR
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
Pump shaft	1.4021
Information for order placements	
Make	Wilo
Art no.	6047734
EAN number	4044966501443
Ready for delivery	Order-specific production approx. 4 weeks
Price group	W8