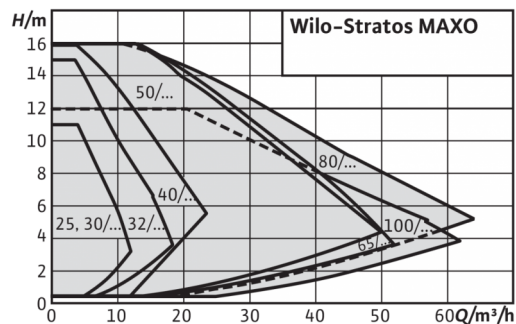


## Series description: Wilo-Stratos MAXO

Wilo-Stratos MAXO



Wilo-Stratos MAXO



With optimised and innovative energy-saving features, the Wilo-Stratos MAXO sets new standards for commercial HVAC and drinking water applications in terms of energy efficiency. In addition, its outstanding user-friendliness makes operation easier than ever before.

### Design type

Smart glandless circulator with screwed connection or flange connection, EC motor with integrated electronic power adjustment.

### Application

Hot-water heating systems of all kinds, air-conditioning systems, closed cooling circuits, industrial circulation systems.

### Equipment/function

Field of application

The pump facilitates an operation with highest system efficiency via precise setting of the control mode for the system-specific application (e.g. radiator, underfloor heating, ceiling cooling).

### Heating

- Radiator
- Underfloor heating
- Ceiling heating
- Fan heater
- Hydraulic shunt
- Heat exchanger

### Cooling

- Ceiling cooling
- Underfloor cooling
- Air-conditioning devices
- Hydraulic shunt
- Heat exchanger

### Heating and cooling combined

- Automatic switchover

The following control modes are available depending on the selected application:

### Control modes

- Constant speed (control mode)
- $\Delta p-c$  for constant differential pressure
- $\Delta p-v$  for variable differential pressure
- Dynamic Adapt plus for continuous (dynamic) adjustment of the delivery rate to the current requirement
- T-const. for constant temperature regulation
- $\Delta T$  for differential temperature control
- Constant Q for constant volume flow control
- Multi-Flow Adaptation: Total volume flow determination through the feeder pump for the needs-based supply of secondary pumps in the heating circuit distributors
- User-defined PID controller

### Special features/product advantages

- Intuitive operation by means of application-guided settings with the Setup Guide plus the combination of a new display and operating button using Green Button Technology.
- Maximum energy efficiency thanks to the combination of optimised and innovative energy-saving functions (e.g. No-Flow Stop).
- Optimum system efficiency thanks to new and innovative intelligent control functions, such as Dynamic Adapt plus, Multi-Flow Adaptation, T-const. and  $\Delta T$ -const.
- Latest communication interfaces (e.g. Bluetooth) for connection to mobile devices and direct pump networking for multiple pump control via Wilo Net.
- Maximum convenience in electrical installation thanks to a clearly arranged and spacious terminal room and the optimised Wilo-Connector.

## Series description: Wilo-Stratos MAXO

### Equipment/function

Optional functions

- Q-Limitmax. for limiting the maximum volume flows
- Q-Limitmin. for limiting the minimum volume flow
- No-Flow Stop (zero-flow-deactivation)
- Automatic setback operation
- Index circuit evaluator ( $\Delta p$ -c control with external actual value sensor)
- Variable pitch of  $\Delta p$ -v pump curve

### Scope of delivery

- Pump
- Optimised Wilo-Connector
- 2x threaded cable connection M16 x 1.5
- Washers for flange screws (for nominal connection diameters DN 32 - DN 65)
- Gaskets for threaded connection
- Thermal insulation
- Installation and operating instructions

### Type key

Example: <b>Stratos MAXO</b>	<b>Wilo-Stratos MAXO 30/0,5-12</b> High-efficiency pump (screw-end or flange-end pump), electronically controlled
<b>30/</b>	Nominal connection diameter
<b>0.5-12</b>	Nominal delivery head range [m]

### Technical data

- Permissible temperature range -10 °C to +110 °C
- Mains connection 1~230 V, 50/60 Hz
- Protection class IPX4D
- Screwed connection or flange connection (depending on type) Rp 1 to DN 100
- Max. operating pressure of standard version: 6/10 bar or 6 bar (special version: 10 bar or 16 bar)

### Materials

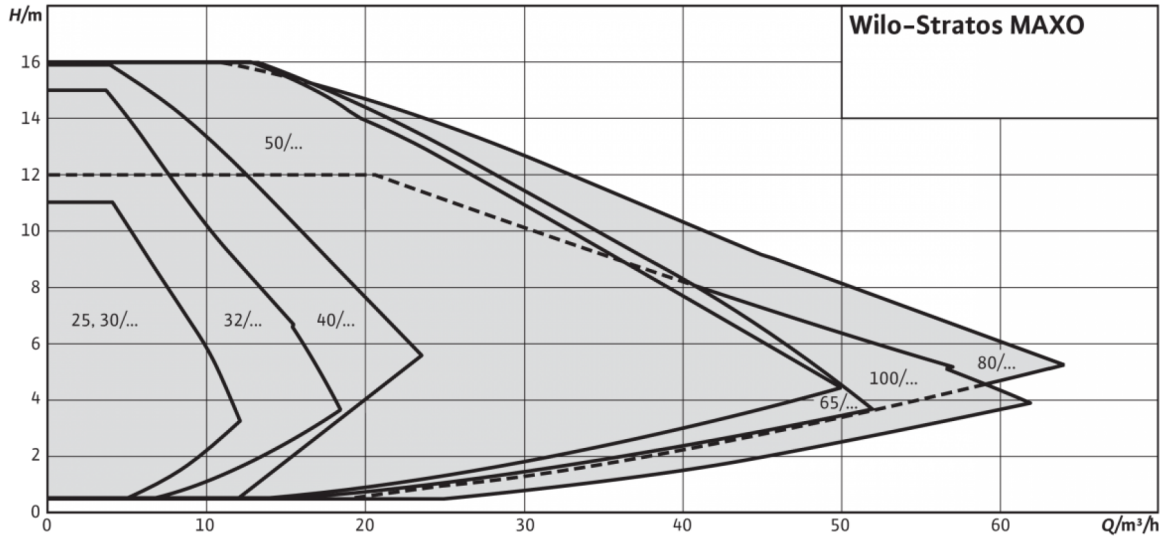
- Pump housing: grey cast iron with cataphoretic coating
- Thermal insulation: polypropylene
- Shaft: Stainless steel
- Bearing: carbon
- Impeller: Plastic

### Description/construction

- Smart glandless circulator with EC motor and integrated electronic power adjustment
- Green Button Technology and graphic display
- Motor protection with trip electronics
- Plug connection for functional extension with optional CIF module for building automation (BA)
- Impeller with three-dimensionally curved blades and plastic sealing tube made of carbon fibre composite material

## Duty chart: Wilo-Stratos MAXO

Wilo-Stratos MAXO



## Product list: Wilo-Stratos MAXO

Product description	Mains connection	Energy efficiency index (EEI)	Flow max $Q_{max}$	Head max $H_{max}$	Maximum operating pressure $P_N$	Pump connection	Port-to-port length $l_0$	Gross weight, approx. $m$	Article number
Stratos MAXO 25/0,5-4	1~230 V, 50/60 Hz	0.18	7.0	4.0	10 bar	G 1½	180 mm	8.3 kg	2164567
Stratos MAXO 25/0,5-6	1~230 V, 50/60 Hz	0.18	9.0	6.0	10 bar	G 1½	180 mm	8.3 kg	2164568
Stratos MAXO 25/0,5-8	1~230 V, 50/60 Hz	0.19	9.5	8.0	10 bar	G 1½	180 mm	8.3 kg	2164569
Stratos MAXO 25/0,5-10	1~230 V, 50/60 Hz	0.19	12.0	10.0	10 bar	G 1½	180 mm	8.6 kg	2164570
Stratos MAXO 25/0,5-12	1~230 V, 50/60 Hz	0.19	12.0	11.0	10 bar	G 1½	180 mm	8.6 kg	2164571
Stratos MAXO 30/0,5-4	1~230 V, 50/60 Hz	0.18	7.0	4.0	10 bar	G 2	180 mm	8.3 kg	2164572
Stratos MAXO 30/0,5-6	1~230 V, 50/60 Hz	0.18	9.0	6.0	10 bar	G 2	180 mm	8.3 kg	2164573
Stratos MAXO 30/0,5-8	1~230 V, 50/60 Hz	0.19	9.5	8.0	10 bar	G 2	180 mm	8.3 kg	2164574
Stratos MAXO 30/0,5-10	1~230 V, 50/60 Hz	0.19	12.0	10.0	10 bar	G 2	180 mm	8.6 kg	2164575
Stratos MAXO 30/0,5-12	1~230 V, 50/60 Hz	0.19	12.0	11.0	10 bar	G 2	180 mm	8.6 kg	2164576
Stratos MAXO 30/0,5-14	1~230 V, 50/60 Hz	0.19	12.0	12.0	10 bar	G 2	180 mm	8.6 kg	2164577
Stratos MAXO 32/0,5-8	1~230 V, 50/60 Hz	0.18	10.0	8.0	10 bar	DN 32	220 mm	14.2 kg	2164578
Stratos MAXO 32/0,5-10	1~230 V, 50/60 Hz	0.18	13.5	10.0	10 bar	DN 32	220 mm	14.5 kg	2164579
Stratos MAXO 32/0,5-12	1~230 V, 50/60 Hz	0.18	13.0	10.0	10 bar	DN 32	220 mm	14.5 kg	2164580
Stratos MAXO 32/0,5-16	1~230 V, 50/60 Hz	0.17	15.5	15.0	10 bar	DN 32	220 mm	18.8 kg	2164581
Stratos MAXO 40/0,5-4	1~230 V, 50/60 Hz	0.19	13.0	4.0	10 bar	DN 40	220 mm	14.8 kg	2164582
Stratos MAXO 40/0,5-8	1~230 V, 50/60 Hz	0.19	17.0	8.0	10 bar	DN 40	220 mm	15.1 kg	2164583
Stratos MAXO 40/0,5-12	1~230 V, 50/60 Hz	0.17	19.0	12.0	10 bar	DN 40	250 mm	19.9 kg	2164584
Stratos MAXO 40/0,5-16	1~230 V, 50/60 Hz	0.17	21.5	16.0	10 bar	DN 40	250 mm	19.9 kg	2164585
Stratos MAXO 50/0,5-6	1~230 V, 50/60 Hz	0.18	17.0	6.0	10 bar	DN 50	240 mm	17.2 kg	2164586
Stratos MAXO 50/0,5-8	1~230 V, 50/60 Hz	0.17	16.0	8.0	10 bar	DN 50	240 mm	21.3 kg	2164587
Stratos MAXO 50/0,5-9	1~230 V, 50/60 Hz	0.17	23.5	9.0	10 bar	DN 50	280 mm	22.2 kg	2164588

## Product list: Wilo-Stratos MAXO

Product description	Mains connection	Energy efficiency index (EEI)	Flow max $Q_{max}$	Head max $H_{max}$	Maximum operating pressure $P_N$	Pump connection	Port-to-port length $l_0$	Gross weight, approx. $m$	Article number
Stratos MAXO 50/0,5-12	1~230 V, 50/60 Hz	0.17	27.0	12.0	10 bar	DN 50	280 mm	22.2 kg	2164589
Stratos MAXO 50/0,5-14	1~230 V, 50/60 Hz	0.17	44.0	14.0	10 bar	DN 50	340 mm	31.3 kg	2164590
Stratos MAXO 50/0,5-16	1~230 V, 50/60 Hz	0.17	50.0	16.0	10 bar	DN 50	340 mm	32.4 kg	2164591
Stratos MAXO 65/0,5-6	1~230 V, 50/60 Hz	0.17	23.5	6.0	10 bar	DN 65	280 mm	23.9 kg	2164592
Stratos MAXO 65/0,5-9	1~230 V, 50/60 Hz	0.17	26.5	9.0	10 bar	DN 65	280 mm	23.9 kg	2164593
Stratos MAXO 65/0,5-12	1~230 V, 50/60 Hz	0.17	44.0	12.0	10 bar	DN 65	340 mm	33.8 kg	2164594
Stratos MAXO 65/0,5-16	1~230 V, 50/60 Hz	0.17	52.0	16.0	10 bar	DN 65	340 mm	34.9 kg	2164595
Stratos MAXO 80/0,5-6	1~230 V, 50/60 Hz	0.17	47.5	7.0	6 bar	DN 80	360 mm	35.1 kg	2164596
Stratos MAXO 80/0,5-6	1~230 V, 50/60 Hz	0.17	47.5	7.0	10 bar	DN 80	360 mm	35.1 kg	2164597
Stratos MAXO 80/0,5-12	1~230 V, 50/60 Hz	0.17	57.0	12.0	6 bar	DN 80	360 mm	36.2 kg	2164598
Stratos MAXO 80/0,5-12	1~230 V, 50/60 Hz	0.17	57.0	12.0	10 bar	DN 80	360 mm	36.2 kg	2164599
Stratos MAXO 80/0,5-16	1~230 V, 50/60 Hz	0.17	64.0	16.0	6 bar	DN 80	360 mm	36.2 kg	2164600
Stratos MAXO 80/0,5-16	1~230 V, 50/60 Hz	0.17	64.0	16.0	10 bar	DN 80	360 mm	36.2 kg	2164601
Stratos MAXO 100/0,5-6	1~230 V, 50/60 Hz	0.17	47.5	7.0	6 bar	DN 100	360 mm	38.2 kg	2164602
Stratos MAXO 100/0,5-6	1~230 V, 50/60 Hz	0.17	47.5	7.0	10 bar	DN 100	360 mm	38.2 kg	2164603
Stratos MAXO 100/0,5-12	1~230 V, 50/60 Hz	0.17	57.0	12.0	6 bar	DN 100	360 mm	39.3 kg	2164604
Stratos MAXO 100/0,5-12	1~230 V, 50/60 Hz	0.17	57.0	12.0	10 bar	DN 100	360 mm	39.3 kg	2164605
Stratos MAXO 25/0,5-4	1~230 V, 50/60 Hz	0.18	7.0	4.0	16 bar	G 1½	180 mm	8.3 kg	2186255
Stratos MAXO 25/0,5-6	1~230 V, 50/60 Hz	0.18	9.0	6.0	16 bar	G 1½	180 mm	8.3 kg	2186256
Stratos MAXO 25/0,5-8	1~230 V, 50/60 Hz	0.19	9.5	8.0	16 bar	G 1½	180 mm	8.3 kg	2186257
Stratos MAXO 25/0,5-10	1~230 V, 50/60 Hz	0.19	12.0	10.0	16 bar	G 1½	180 mm	8.6 kg	2186258
Stratos MAXO 25/0,5-12	1~230 V, 50/60 Hz	0.19	12.0	11.0	16 bar	G 1½	180 mm	8.6 kg	2186259

## Product list: Wilo-Stratos MAXO

Product description	Mains connection	Energy efficiency index (EEI)	Flow max $Q_{max}$	Head max $H_{max}$	Maximum operating pressure $P_N$	Pump connection	Port-to-port length $l_0$	Gross weight, approx. $m$	Article number
Stratos MAXO 30/0,5-4	1~230 V, 50/60 Hz	0.18	7.0	4.0	16 bar	G 2	180 mm	8.3 kg	2186260
Stratos MAXO 30/0,5-6	1~230 V, 50/60 Hz	0.18	9.0	6.0	16 bar	G 2	180 mm	8.3 kg	2186261
Stratos MAXO 30/0,5-8	1~230 V, 50/60 Hz	0.19	9.5	8.0	16 bar	G 2	180 mm	8.3 kg	2186262
Stratos MAXO 30/0,5-10	1~230 V, 50/60 Hz	0.19	12.0	10.0	16 bar	G 2	180 mm	8.6 kg	2186263
Stratos MAXO 30/0,5-12	1~230 V, 50/60 Hz	0.19	12.0	11.0	16 bar	G 2	180 mm	8.6 kg	2186264
Stratos MAXO 30/0,5-14	1~230 V, 50/60 Hz	0.19	12.0	12.0	16 bar	G 2	180 mm	8.6 kg	2186265
Stratos MAXO 32/0,5-8	1~230 V, 50/60 Hz	0.18	10.0	8.0	16 bar	DN 32	220 mm	14.2 kg	2186266
Stratos MAXO 32/0,5-10	1~230 V, 50/60 Hz	0.18	13.5	10.0	16 bar	DN 32	220 mm	14.5 kg	2186267
Stratos MAXO 32/0,5-12	1~230 V, 50/60 Hz	0.18	13.0	10.0	16 bar	DN 32	220 mm	14.5 kg	2186268
Stratos MAXO 32/0,5-16	1~230 V, 50/60 Hz	0.17	15.5	15.0	16 bar	DN 32	220 mm	18.8 kg	2186269
Stratos MAXO 40/0,5-4	1~230 V, 50/60 Hz	0.19	13.0	4.0	16 bar	DN 40	220 mm	14.8 kg	2186270
Stratos MAXO 40/0,5-8	1~230 V, 50/60 Hz	0.19	17.0	8.0	16 bar	DN 40	220 mm	15.1 kg	2186271
Stratos MAXO 40/0,5-12	1~230 V, 50/60 Hz	0.17	19.0	12.0	16 bar	DN 40	250 mm	19.9 kg	2186272
Stratos MAXO 40/0,5-16	1~230 V, 50/60 Hz	0.17	21.5	16.0	16 bar	DN 40	250 mm	19.9 kg	2186273
Stratos MAXO 50/0,5-6	1~230 V, 50/60 Hz	0.18	17.0	6.0	16 bar	DN 50	240 mm	17.2 kg	2186274
Stratos MAXO 50/0,5-8	1~230 V, 50/60 Hz	0.17	16.0	8.0	16 bar	DN 50	240 mm	21.3 kg	2186275
Stratos MAXO 50/0,5-9	1~230 V, 50/60 Hz	0.17	23.5	9.0	16 bar	DN 50	280 mm	22.2 kg	2186276
Stratos MAXO 50/0,5-12	1~230 V, 50/60 Hz	0.17	27.0	12.0	16 bar	DN 50	280 mm	22.2 kg	2186277
Stratos MAXO 50/0,5-14	1~230 V, 50/60 Hz	0.17	44.0	14.0	16 bar	DN 50	340 mm	31.3 kg	2186278
Stratos MAXO 50/0,5-16	1~230 V, 50/60 Hz	0.17	50.0	16.0	16 bar	DN 50	340 mm	32.4 kg	2186279
Stratos MAXO 65/0,5-6	1~230 V, 50/60 Hz	0.17	23.5	6.0	16 bar	DN 65	280 mm	23.9 kg	2186280
Stratos MAXO 65/0,5-9	1~230 V, 50/60 Hz	0.17	26.5	9.0	16 bar	DN 65	280 mm	23.9 kg	2186281

## Product list: Wilo-Stratos MAXO

Product description	Mains connection	Energy efficiency index (EEI)	Flow max $Q_{max}$	Head max $H_{max}$	Maximum operating pressure $PN$	Pump connection	Port-to-port length $l_0$	Gross weight, approx. $m$	Article number
Stratos MAXO 65/0,5-12	1~230 V, 50/60 Hz	0.17	44.0	12.0	16 bar	DN 65	340 mm	33.8 kg	2186282
Stratos MAXO 65/0,5-16	1~230 V, 50/60 Hz	0.17	52.0	16.0	16 bar	DN 65	340 mm	34.9 kg	2186283
Stratos MAXO 80/0,5-6	1~230 V, 50/60 Hz	0.17	47.5	7.0	16 bar	DN 80	360 mm	35.1 kg	2186284
Stratos MAXO 80/0,5-12	1~230 V, 50/60 Hz	0.17	57.0	12.0	16 bar	DN 80	360 mm	36.2 kg	2186285
Stratos MAXO 80/0,5-16	1~230 V, 50/60 Hz	0.17	64.0	16.0	16 bar	DN 80	360 mm	36.2 kg	2186286
Stratos MAXO 100/0,5-6	1~230 V, 50/60 Hz	0.17	47.5	7.0	16 bar	DN 100	360 mm	38.2 kg	2186287
Stratos MAXO 100/0,5-12	1~230 V, 50/60 Hz	0.17	57.0	12.0	16 bar	DN 100	360 mm	39.3 kg	2186288