

Contact
E-mail
Phone
Fax
Customer

Contact
E-mail
Phone

Tender text

Project name Data - Stratos Maxo 50/0,5-14
Project ID

Date 2019-10-31

Pos.no	Quant.	Description	PG
--------	--------	-------------	----

1		Description: Glandless premium smart-pump Stratos MAXO 50/0,5-14 PN6/10 Premium smart-pump Wilo-Stratos MAXO High-efficiency inline glandless pump with EC motor and electronic power adjustment. Can be used for cold water, heating water and water/glycol mixtures. Energy efficiency index (EEI) between ≤ 0.17 and ≤ 0.19 depending on pump type. Control modes: - Permanent, automatic performance adaptation to system requirements without setpoint specification Wilo Dynamic Adapt plus (factory setting). Up to 20% energy savings compared to dp-v control mode. - Constant temperature (T-const.) - Constant differential temperature (dT-const.) - Needs-based volume flow optimisation of the feeder pump through connectivity and communication between multiple pumps (Multi-Flow Adaptation). - Constant volume flow (Q-const.) - Differential pressure control (dp-c) to a remote point in the pipe network (index circuit evaluator) - Constant differential pressure (dp-c) - Variable differential pressure (dp-v) with the option to set the nominal duty point - Constant speed (n-const.) - User-defined PID control Functions: - Heat quantity measurement - Cooling quantity measurement - Pump automatically deactivates when no flow is detected (No-Flow Stop) - Switchover between heating and cooling mode (automatic, external or manual) - Adjustable volume flow limiter using the Q-Limit function (Q min. and Q max.) - Operating modes of twin-head pumps: Efficiency-optimised parallel operation for dp-c and dp-v, main and standby operation - Ability to save and restore configured pump settings (3 restoration points) - Fault and warning messages shown in plain text with advice on resolving the issue - Pump venting function for automatic venting of the rotor chamber - Automatic setback operation - Automatic deblocking function and integrated full motor protection - Dry-running detection Display: - Control mode - Setpoint - Volume flow - Temperature - Power consumption - Electric consumption - Active influences (e.g. STOP, No-Flow Stop) Version: - 2 configurable analogue inputs: 0–10 V, 2–10 V, 0–20 mA, 4–20 mA and commercially available PT1000; +24 V DC power supply - 2 configurable digital inputs (Ext. OFF, Ext. Min, Ext. Max, heating/cooling, manual override (uncoupled from building automation), operation lock (key lock and remote operation configuration protection)) - 2 configurable signal relays for operational and fault messages - Slot for Wilo-CIF modules with interfaces for building automation (BA) (optional)	PG17
---	--	---	------

Contact
E-mail
Phone
Fax
Customer

Contact
E-mail
Phone

Tender text

Project name Data - Stratos Maxo 50/0,5-14

Project ID

Date 2019-10-31

Pos.no	Quant.	Description	PG
		accessories: Modbus RTU CIF Module, BACnet MS/TP, LON and PLR) - Wilo Net as a Wilo system bus for communication between Wilo products, e.g. Multi-Flow Adaptation; double pump operation and Wilo-Smart Gateway - Integrated temperature sensor - Automatic emergency operation with definable pump speed for exceptional circumstances, e.g. bus communication or sensor value malfunction - Graphic colour display (4.3 inches) with one-button manual operation - Use the Wilo-Assistant app to read and set operating data and –among other things– set up a commissioning protocol through the Bluetooth interface (no further accessories required) - Integrated double pump management (double pumps are prewired) when using 2 single pumps as double pump unit (connection via Wilo Net) - Cable break detection when using an analogue signal (in connection with 2–10 V or 4–20 mA) - Outdoor installation with weather protection possible in accordance with the installation and operating instructions - Pre-set date and time - Thermal insulation shell for heating applications Scope of delivery - Pump - Optimised Wilo-Connector the same for all sizes - 2x threaded cable connection M16 x 1.5 - Washers for flange screws M12 and M16 (for nominal connection diameters DN 32 to DN 65) - 2x gaskets for threaded connection - Thermal insulation shell - Concise Installation and operating instructions Optional accessories: - ClimaForm cold insulation to avoid the formation of condensate - CIF module: Modbus RTU, BACnet MS/TP, LON, PLR - PT 1000 (B) pipe contact sensor (for domestic hot water) - PT 1000 (AA) sensor for installation in immersion well - Differential pressure sensor Operating data Fluid media: Water 100 % Fluid temperature: 20,00 °C Requested flow: Requested head: Fluid temperature: -10...110 °C Ambient temperature: -10...40 °C Maximum operating pressure: 10 bar Minimum suction head at 50 °C: 7 m Minimum suction head at 95 °C: 15 m Minimum suction head at 110 °C: 23 m Motor data Energy efficiency index (EEI): $\leq 0,17$ Emitted interference: EN 61800-3;2004+A1;2012 /residential area (C1) Interference resistance: EN 61800-3;2004+A1;2012 /industrial environment (C2) Mains connection: 1~230V/50 Hz Power consumption: 960 W Min. speed: 400 1/min	



Contact
E-mail
Phone
Fax
Customer

Contact
E-mail
Phone

Tender text

Project name Data - Stratos Maxo 50/0,5-14

Project ID

Date 2019-10-31

Pos.no	Quant.	Description	PG
		Max. speed: 3200 1/min Protection class motor: IPX4D Threaded cable connection: 5 x M16x1.5 Materials Pump housing: 5.1301, EN-GJL-250 Impeller: PPS-GF40 Shaft: 1.4028, X30Cr13 Bearing: Carbon, antimony impregnated Installation dimensions Pipe connection on the suction side: DN 50, PN6/10 Pipe connection on the pressure side: DN 50, PN6/10 Port-to-port length: 340 mm Information for order placements Brand: Wilo Product description: Stratos MAXO 50/0,5-14 PN6/10 Net weight, approx.: 28 kg Article number: 2164590	

Technical data

Glandless premium smart-pump Stratos MAXO 50/0,5-14 PN6/10

Project name Data - Stratos Maxo 50/0,5-14

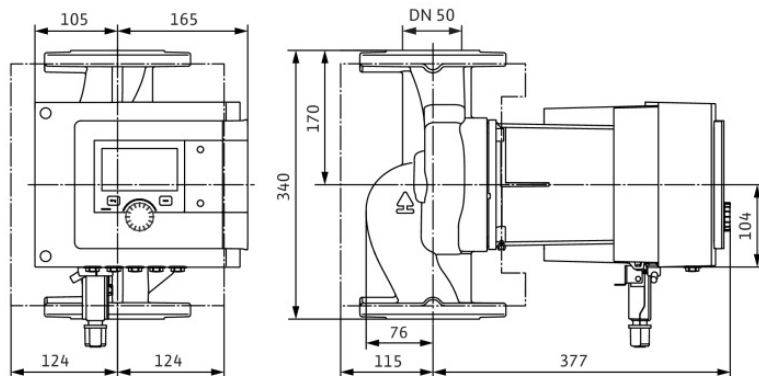
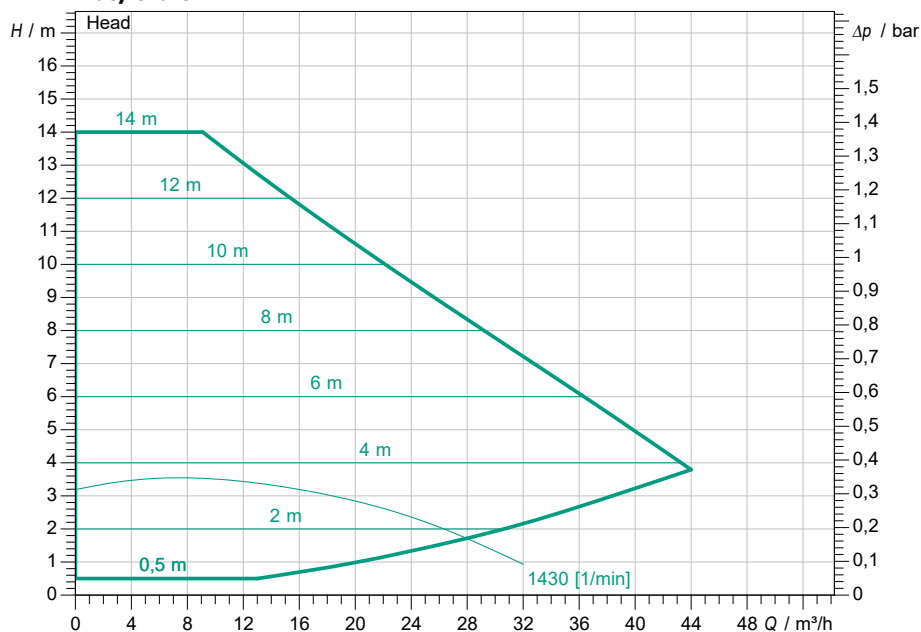
Project ID

Installation location

Customer pos.no

Date 2019-10-31

Duty chart



Requested data

Flow
Head
Media
Fluid temperature 20,00 °C
Density 998,30 kg/m³
Kin. viscosity 1,00 mm²/s

Hydraulic data (Duty point)

Flow
Head
Power input P1

Product data

Glandless premium smart-pump
Stratos MAXO 50/0,5-14 PN6/10
Kind of operation dp-c
Max. operating pressure 10 bar
Fluid temperature -10 °C ... +110 °C
Max. ambient temperature 40 °C

Motordata per Motor/Pump

Motor design EC motor
Energy efficiency index (EEI) ≤ 0,17
Mains connection 1~ 230 V / 50 Hz
Permitted voltage tolerance ±10 %
Max. speed 3200
Power input P1 0,96 kW
Current consumption 4,27 A
Degree of protection IPX4D
Insulation class F
Emitted interference EN 61800-3;2004+A1;20
Interference resistance EN 61800-3;2004+A1;20
Threaded cable connection

Fitting dimensions

Pipe connection on the suction side DN 50, PN6/10
Pipe connection on the pressure side DN 50, PN6/10
Port to Port 340 mm

Materials

Pump housing 5.1301, EN-GJL-250
Impeller PPS-GF40
Shaft 1.4028, X30Cr13
Bearing Carbon, antimony impregnated

Information for order placements

Weight approx. 28 kg
Item number 2164590