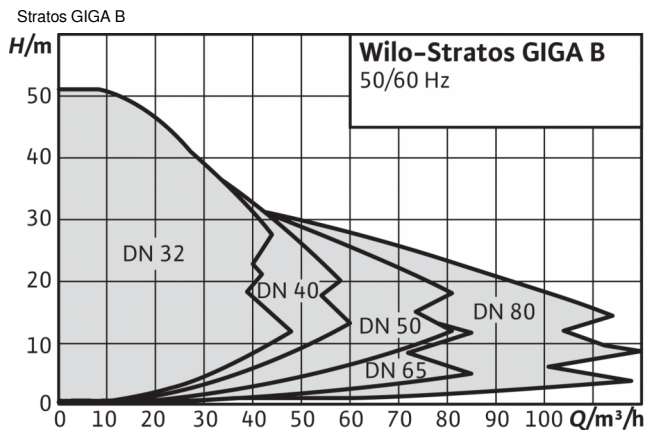
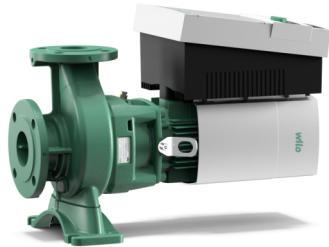


## Series description: Wilo-Stratos GIGA B



### Design type

High-efficiency monobloc pump with EC motor and electronic power adjustment in glanded pump design. Version as single-stage low-pressure centrifugal pump with flange connection and mechanical seal.

### Application

The pumping of heating water (in accordance with VDI 2035), cold water and water-glycol mixtures without abrasive substances in heating, cold water and cooling systems.

### Equipment/function

#### P->Operating modes

- $\Delta p$ -c for constant differential pressure
- $\Delta p$ -v for variable differential pressure
- PID-Control
- Constant speed ( $n$ =constant)

#### Manual operation level

- Green button and display

#### Manual functions

- Differential pressure setpoint setting
- Setting the speed (manual control mode)
- Setting the operating mode
- Setting the pump ON/OFF
- Configuration of all operating parameters
- Fault acknowledgement

#### External control functions

- "Overriding Off" control input
- "External pump cycling" control input (only effective in double pump operation)
- Analogue input 0 - 10 V, 0 - 20 mA for constant speed (DDC) and remote setpoint adjustment
- Analogue input 2 - 10 V, 4 - 20 mA for constant speed (DDC) and remote setpoint adjustment
- Analogue input 0 - 10 V for actual value signal from pressure sensor
- Analogue input 2 - 10 V, 0 - 20 mA, 4 - 20 mA for actual value signal from pressure sensor

#### Signal and display functions

- Collective fault signal SSM
- Collective run signal SBM

#### Data exchange

- Infrared interface for wireless data exchange with IR-Monitor/IR-Stick
- Plug-in position for Wilo IF-Modules (Modbus, BACnet, CAN, PLR, LON) for connection to building automation

#### Safety functions

- Full motor protection with integrated trip electronics
- Access disable

### Special features/product advantages

- Innovative, high-efficiency pump for maximum overall efficiency with principal dimensions in accordance with EN 733
- High-efficiency EC motor with efficiency class IE5 according to IEC 60034-30-2
- High-efficiency hydraulics, optimally adapted to the EC motor technology, with optimised efficiency, minimum efficiency index (MEI)  $\geq 0.7$
- Control range is up to three times higher than that of conventional electronically controlled pumps
- Optional interfaces for bus communication using plug-in IF-Modules

## Series description: Wilo-Stratos GIGA B

### Equipment/function

#### Dual pump management (2 x single pump, Y-piece application only)

- Main/standby operation (automatic fault-actuated switchover)
- Pump cycling main/standby operation after 24 hours
- Parallel operation

### Scope of delivery

- Pump
- Installation and operating instructions

### Type key

Example	<b>Wilo-Stratos GIGA B 40/1-51/4,5</b>
<b>Stratos GIGA</b>	High-efficiency pump
<b>B</b>	Monobloc design
<b>40</b>	Nominal diameter DN of the flange connection (for Stratos GIGA B: pressure side) [mm]
<b>1-51</b>	1 = lowest selectable delivery head [m] 51 = highest selectable delivery head [m]
<b>4,5</b>	Rated power P2 in [kW]
<b>-xx</b>	Version: E.g. R1 - version without differential pressure sensor

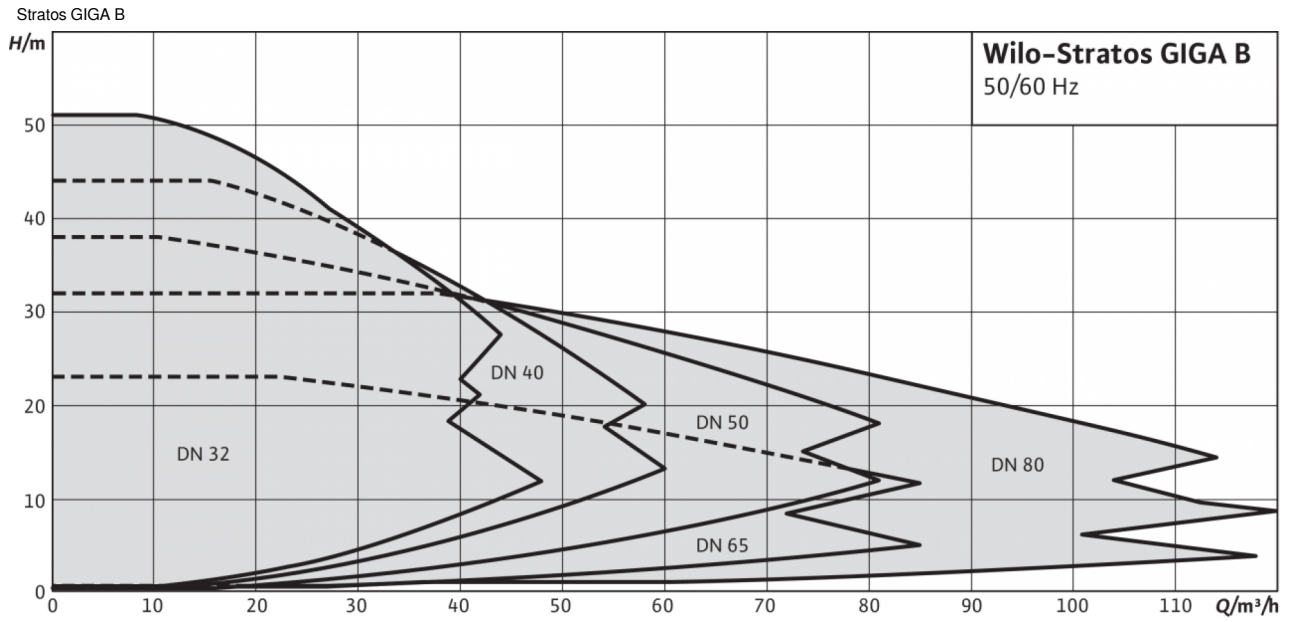
### Technical data

- Minimum efficiency index (MEI)  $\geq 0.7$
- Permitted temperature range of the fluid:  $-20\text{ °C}$  to  $+140\text{ °C}$
- Mains connection 3~480 V  $\pm 10\%$ , 50/60 Hz, 3~440 V  $\pm 10\%$ , 50/60 Hz, 3~400 V  $\pm 10\%$ , 50/60 Hz, 3~380 V  $-5\%$   $+10\%$ , 50/60 Hz
- Protection class IP55
- Max. operating pressure 16 bar up to  $+120\text{ °C}$ , 13 bar up to  $+140\text{ °C}$

### Materials

- Pump housing and lantern: EN-GJL-250
- Impeller: PPS-GF40
- Shaft: 1.4122
- Mechanical seal: AQEGG; other mechanical seals on request

## Duty chart: Wilo-Stratos GIGA B



## Product list: Wilo-Stratos GIGA B

Product description	Motor efficiency class	Mains connection	Version	Rated power $P_2$	Pipe connection	Gross weight, approx. <i>m</i>	Article number
Stratos GIGA B 80/1-27/4,5	IE5	3~440 V, 50 Hz	with differential pressure sensor	4.80 kW	DN 100	73.0 kg	2189125
Stratos GIGA B 80/1-32/5,6	IE5	3~440 V, 50 Hz	with differential pressure sensor	6.00 kW	DN 100	77.0 kg	2189124
Stratos GIGA B 80/1-13/1,9	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.70 kW	DN 100	69.0 kg	2189123
Stratos GIGA B 80/1-18/3,2	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.70 kW	DN 100	69.0 kg	2189122
Stratos GIGA B 50/1-32/3,8	IE5	3~440 V, 50 Hz	with differential pressure sensor	4.80 kW	DN 65	63.0 kg	2189121
Stratos GIGA B 50/1-37/5,0	IE5	3~440 V, 50 Hz	with differential pressure sensor	4.80 kW	DN 65	63.0 kg	2189120
Stratos GIGA B 65/1-18/1,9	IE5	3~440 V, 50 Hz	with differential pressure sensor	2.20 kW	DN 80	57.0 kg	2189119
Stratos GIGA B 65/1-22/3,0	IE5	3~440 V, 50 Hz	with differential pressure sensor	2.20 kW	DN 80	57.0 kg	2189118
Stratos GIGA B 40/1-33/3,0	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 65	48.0 kg	2189117
Stratos GIGA B 40/1-38/3,8	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.80 kW	DN 65	49.0 kg	2189116
Stratos GIGA B 40/1-44/4,5	IE5	3~440 V, 50 Hz	with differential pressure sensor	4.80 kW	DN 65	57.0 kg	2189115
Stratos GIGA B 50/1-21/2,3	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 65	50.0 kg	2189114
Stratos GIGA B 50/1-27/3,0	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 65	50.0 kg	2189113
Stratos GIGA B 50/1-8/0,6	IE5	3~440 V, 50 Hz	with differential pressure sensor	0.60 kW	DN 65	48.0 kg	2189112
Stratos GIGA B 50/1-12/1,2	IE5	3~440 V, 50 Hz	with differential pressure sensor	0.60 kW	DN 65	48.0 kg	2189111
Stratos GIGA B 50/1-17/1,9	IE5	3~440 V, 50 Hz	with differential pressure sensor	0.60 kW	DN 65	48.0 kg	2189110
Stratos GIGA B 32/1-35/3,0	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189109
Stratos GIGA B 32/1-41/3,8	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189108
Stratos GIGA B 32/1-48/4,5	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189107
Stratos GIGA B 32/1-13/0,8	IE5	3~440 V, 50 Hz	with differential pressure sensor	0.60 kW	DN 50	45.0 kg	2189106
Stratos GIGA B 32/1-19/1,2	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	45.0 kg	2189105
Stratos GIGA B 32/1-25/1,9	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	45.0 kg	2189104
Stratos GIGA B 32/1-32/2,6	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	45.0 kg	2189103

## Product list: Wilo-Stratos GIGA B

Product description	Motor efficiency class	Mains connection	Version	Rated power $P_2$	Pipe connection	Gross weight, approx. <i>m</i>	Article number
Stratos GIGA B 32/1-25/1,6	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189102
Stratos GIGA B 32/1-32/2,3	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189101
Stratos GIGA B 32/1-38/3,0	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189100
Stratos GIGA B 32/1-45/3,8	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189099
Stratos GIGA B 32/1-51/4,5	IE5	3~440 V, 50 Hz	with differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189098
Stratos GIGA B 80/1-27/4,5-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	4.80 kW	DN 100	73.0 kg	2189153
Stratos GIGA B 80/1-32/5,6-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	6.00 kW	DN 100	77.0 kg	2189152
Stratos GIGA B 80/1-13/1,9-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.70 kW	DN 100	69.0 kg	2189151
Stratos GIGA B 80/1-18/3,2-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.70 kW	DN 100	69.0 kg	2189150
Stratos GIGA B 50/1-32/3,8-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	4.80 kW	DN 65	63.0 kg	2189149
Stratos GIGA B 50/1-37/5,0-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	4.80 kW	DN 65	63.0 kg	2189148
Stratos GIGA B 65/1-18/1,9-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	2.20 kW	DN 80	57.0 kg	2189147
Stratos GIGA B 65/1-22/3,0-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	2.20 kW	DN 80	57.0 kg	2189146
Stratos GIGA B 40/1-33/3,0-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 65	48.0 kg	2189145
Stratos GIGA B 40/1-38/3,8-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.80 kW	DN 65	49.0 kg	2189144
Stratos GIGA B 40/1-44/4,5-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	4.80 kW	DN 65	57.0 kg	2189143
Stratos GIGA B 50/1-21/2,3-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 65	50.0 kg	2189142
Stratos GIGA B 50/1-27/3,0-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 65	50.0 kg	2189141
Stratos GIGA B 50/1-8/0,6-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	0.60 kW	DN 65	48.0 kg	2189140
Stratos GIGA B 50/1-12/1,2-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	0.60 kW	DN 65	48.0 kg	2189139
Stratos GIGA B 50/1-17/1,9-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	0.60 kW	DN 65	48.0 kg	2189138
Stratos GIGA B 32/1-35/3,0-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189137
Stratos GIGA B 32/1-41/3,8-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189136

## Product list: Wilo-Stratos GIGA B

Product description	Motor efficiency class	Mains connection	Version	Rated power $P_2$	Pipe connection	Gross weight, approx. $m$	Article number
Stratos GIGA B 32/1-48/4,5-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189135
Stratos GIGA B 32/1-13/0,8-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	0.60 kW	DN 50	45.0 kg	2189134
Stratos GIGA B 32/1-19/1,2-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	45.0 kg	2189133
Stratos GIGA B 32/1-25/1,9-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	45.0 kg	2189132
Stratos GIGA B 32/1-32/2,6-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	45.0 kg	2189131
Stratos GIGA B 32/1-25/1,6-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189130
Stratos GIGA B 32/1-32/2,3-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189129
Stratos GIGA B 32/1-38/3,0-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.10 kW	DN 50	46.0 kg	2189128
Stratos GIGA B 32/1-45/3,8-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189127
Stratos GIGA B 32/1-51/4,5-R1	IE5	3~440 V, 50 Hz	without differential pressure sensor	3.80 kW	DN 50	47.0 kg	2189126