

## Wilo-TOP-S







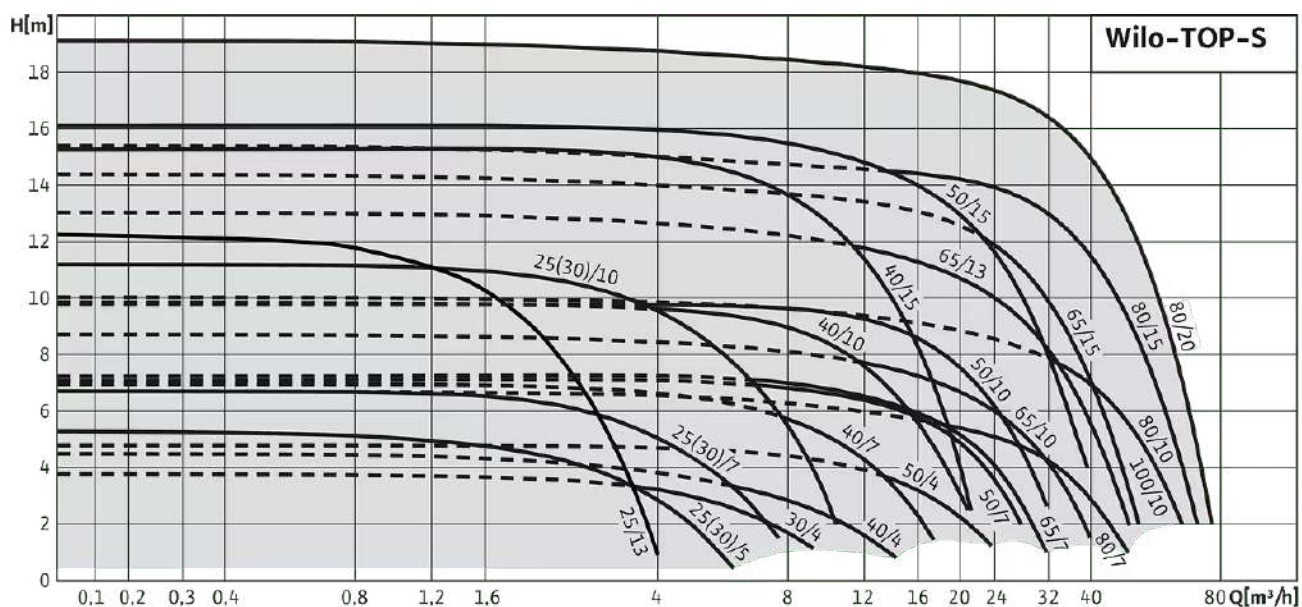
## Your advantages

- > Direction of rotation signal lamp for displaying the correct sense of rotation (only with 3~)
- > Manual power adjustment with 3 speed stages
- > Pump housing with cataphoretic coating (KTL) protects against corrosion due to condensation formation

## Recommended services



**System Optimisation    Energy Solutions**



## Design

Glandless circulator with screwed connection or flange connection.

## Application

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

### Equipment/function

## Operating modes

- Speed-stage switching

## Manual functions

- Setting the speed stages: 3 speed stages (2 speed stages for 1~ pumps with  $P_2 \geq 350$  W)

## Automatic functions

- Internal protection against non-approved high winding temperatures (only for pumps for which  $P_2 \leq 180 \text{ W}$ )



**Signal and display functions**

- > Thermal winding contact (WSK, potential-free NC contact) only for pumps for which  $P_2 \geq 180$  W) for full motor protection in all speed levels with optional tripping unit SK 602N/SK 622N
- > Direction of rotation control light (only for 3~pumps )
- > Display of selected speed stage

**Dual pump management (double pump or 2 x single pumps)**

- > Main/standby operation or parallel operation (for automatic fault-actuated switchover/time-dependent pump cycling, a corresponding switchgear must be provided on-site)

**Equipment**

- > For flange-end pumps: Flange versions
  - > Standard version for DN 40 to DN 65 pumps: PN 6/10 combination flange (PN 16 flange according to EN 1092-2) for PN 6 and PN 16 counter flanges,
  - > Standard version for DN 80/DN 100 pumps: PN 6 flange (designed for PN 16 according to EN 1092-2) for PN 6 counter flange
- > Cable inlet possible from both sides (only for 1~pumps and 3~pumps with  $P_2 \geq 180$  W)
- > Thermal insulation as standard for heating applications

**Typekey**

Example: **TOP-S 40/10**

**TOP-S** Standard pump (screw-end pump or flange-end pump)

**40/** Nominal connection diameter

**Technical data**

- > Permitted temperature range -20 °C to +130 °C, □for short periods (2 h) to +140 °C (TOP-S 25/13, 80/15, 80/20: -20 °C to +110 °C)
- > Mains connection:
  - > 1~230 V, 50 Hz (depending on type)
  - > 3~230 V, 50 Hz (with optional switching plug)
  - > 3~400 V, 50 Hz
- > Protection class IP X4D
- > 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)

**Materials**

- > Pump housing: Grey cast iron
- > Impeller: Plastic
- > Shaft: stainless steel
- > Bearing: Carbon, metal impregnated

**Scope of delivery**

- > Pump
- > Thermal insulation
- > Gaskets for threaded connection
- > Washers for flange screws (for nominal connection diameters DN 40 – DN 65)
- > Installation and operating instructions

**Options**

- > Version for special voltages on request.

**Accessories**

- > Screwed connections for threaded connection
- > Counter flanges for flange connection
- > Adapter fittings
- > Wilo-SK 602N/SK 622N tripping unit for full motor protection
- > For pumps 3~400 V:
  - > Switching plug 3~230 V, 50 Hz (not TOP-S 80/15, TOP-S 80/20)



## Product list

Product description	Pump connection	Port-to-port length <i>L<sub>0</sub></i>	Maximum operating pressure <i>P<sub>N</sub></i>	Mains connection	Gross weight, approx. <i>m</i>	Pieces per pallet	Article number
TOP-S 25/5 (1~230 V, PN 10)	G 1½	180 mm	10 bar	1~230 V, 50 Hz	4.4 kg	96	2044009
TOP-S 25/5 (3~400/230 V, PN 10)	G 1½	180 mm	10 bar	3~400 V, 50 Hz	4.6 kg	96	2044010
TOP-S 25/7 (1~230 V, PN 10)	G 1½	180 mm	10 bar	1~230 V, 50 Hz	5.3 kg	96	2048320
TOP-S 25/7 (3~400/230 V, PN 10)	G 1½	180 mm	10 bar	3~400 V, 50 Hz	5.3 kg	96	2048321
TOP-S 25/10 (1~230 V, PN 10)	G 1½	180 mm	10 bar	1~230 V, 50 Hz	7.1 kg	96	2061962
TOP-S 25/10 (3~400/230 V, PN 10)	G 1½	180 mm	10 bar	3~400 V, 50 Hz	7 kg	96	2165521
TOP-S 25/13 (1~230 V, PN 10)	G 1½	180 mm	10 bar	1~230 V, 50 Hz	5.5 kg	96	2084440
TOP-S 25/13 (3~400/230 V, PN 10)	G 1½	180 mm	10 bar	3~400 V, 50 Hz	5.5 kg	96	2084441
TOP-S 30/4 (1~230 V, PN 10)	G 2	180 mm	10 bar	1~230 V, 50 Hz	5.1 kg	96	2044011
TOP-S 30/4 (3~400/230 V, PN 10)	G 2	180 mm	10 bar	3~400 V, 50 Hz	5.1 kg	96	2044012
TOP-S 30/5 (1~230 V, PN 10)	G 2	180 mm	10 bar	1~230 V, 50 Hz	4.6 kg	96	2044013
TOP-S 30/5 (3~400/230 V, PN 10)	G 2	180 mm	10 bar	3~400 V, 50 Hz	4.7 kg	96	2044014
TOP-S 30/7 (1~230 V, PN 10)	G 2	180 mm	10 bar	1~230 V, 50 Hz	5.5 kg	96	2048322
TOP-S 30/7 (3~400/230 V, PN 10)	G 2	180 mm	10 bar	3~400 V, 50 Hz	5.6 kg	96	2048323
TOP-S 30/10 (1~230 V, PN 10)	G 2	180 mm	10 bar	1~230 V, 50 Hz	7.2 kg	96	2066132
TOP-S 30/10 (3~400/230 V, PN 10)	G 2	180 mm	10 bar	3~400 V, 50 Hz	7.2 kg	96	2165522
TOP-S 40/4 (1~230 V, PN 6/10)	DN 40	220 mm	10 bar	1~230 V, 50 Hz	10.4 kg	45	2080040
TOP-S 40/4 (3~400/230 V, PN 6/10)	DN 40	220 mm	10 bar	3~400 V, 50 Hz	10.6 kg	45	2080041
TOP-S 40/7 (1~230 V, PN 6/10)	DN 40	250 mm	10 bar	1~230 V, 50 Hz	12.5 kg	45	2080042
TOP-S 40/7 (3~400/230 V, PN 6/10)	DN 40	250 mm	10 bar	3~400 V, 50 Hz	12.5 kg	45	2165523
TOP-S 40/10 (3~400/230 V, PN 6/10)	DN 40	250 mm	10 bar	3~400 V, 50 Hz	16 kg	28	2165525
TOP-S 40/10 2-SPEEDS (1~230 V, PN 6/10)	DN 40	250 mm	10 bar	1~230 V, 50 Hz	15.5 kg	28	2165524
TOP-S 40/15 (3~400/230 V, PN 6/10)	DN 40	250 mm	10 bar	3~400 V, 50 Hz	22.5 kg	12	2165527
TOP-S 40/15 2-SPEEDS (1~230 V, PN 6/10)	DN 40	250 mm	10 bar	1~230 V, 50 Hz	22.6 kg	12	2165526
TOP-S 50/4 (1~230 V, PN 6/10)	DN 50	240 mm	10 bar	1~230 V, 50 Hz	13.9 kg	45	2080048
TOP-S 50/4 (3~400/230 V, PN 6/10)	DN 50	240 mm	10 bar	3~400 V, 50 Hz	14 kg	45	2165528
TOP-S 50/7 (3~400/230 V, PN 6/10)	DN 50	280 mm	10 bar	3~400 V, 50 Hz	17.8 kg	28	2165530
TOP-S 50/7 2-SPEEDS (1~230 V, PN 6/10)	DN 50	280 mm	10 bar	1~230 V, 50 Hz	17 kg	28	2165529
TOP-S 50/10 (3~400/230 V, PN 6/10)	DN 50	280 mm	10 bar	3~400 V, 50 Hz	19 kg	28	2165532
TOP-S 50/10 2-SPEEDS (1~230 V, PN 6/10)	DN 50	280 mm	10 bar	1~230 V, 50 Hz	19 kg	28	2165531
TOP-S 50/15 (3~400/230 V, PN 6/10)	DN 50	340 mm	10 bar	3~400 V, 50 Hz	26.8 kg	12	2165533
TOP-S 65/7 (3~400/230 V, PN 6/10)	DN 65	280 mm	10 bar	3~400 V, 50 Hz	19.5 kg	28	2165535
TOP-S 65/7 2-SPEEDS (1~230 V, PN 6/10)	DN 65	280 mm	10 bar	1~230 V, 50 Hz	20.5 kg	28	2165534



Product description	Pump connection	Port-to-port length <i>L0</i>	Maximum operating pressure <i>PN</i>	Mains connection	Gross weight, approx. <i>m</i>	Pieces per pallet	Article number
TOP-S 65/10 (3~400/230 V, PN 6/10)	DN 65	340 mm	10 bar	3~400 V, 50 Hz	23.3 kg	12	2165537
TOP-S 65/10 2-SPEEDS (1~230 V, PN 6/10)	DN 65	340 mm	10 bar	1~230 V, 50 Hz	22.5 kg	12	2165536
TOP-S 65/13 (3~400/230 V, PN 6/10)	DN 65	340 mm	10 bar	3~400 V, 50 Hz	29.4 kg	12	2165538
TOP-S 65/15 (3~400/230 V, PN 6/10)	DN 65	340 mm	10 bar	3~400 V, 50 Hz	31 kg	12	2165539
TOP-S 80/7 (3~400/230 V, PN 6)	DN 80	360 mm	6 bar	3~400 V, 50 Hz	25 kg	12	2165541
TOP-S 80/7 (3~400/230 V, PN 10)	DN 80	360 mm	10 bar	3~400 V, 50 Hz	26.4 kg	12	2165542
TOP-S 80/7 2-SPEEDS (1~230 V, PN 6)	DN 80	360 mm	6 bar	1~230 V, 50 Hz	26.5 kg	12	2165540
TOP-S 80/10 (3~400/230 V, PN 6)	DN 80	360 mm	6 bar	3~400 V, 50 Hz	33.9 kg	12	2165543
TOP-S 80/10 (3~400/230 V, PN 10)	DN 80	360 mm	10 bar	3~400 V, 50 Hz	33.3 kg	12	2165544
TOP-S 80/15 (3~400 V, PN 6)	DN 80	360 mm	6 bar	3~400 V, 50 Hz	45.7 kg	8	2165545
TOP-S 80/15 (3~400 V, PN 10)	DN 80	360 mm	10 bar	3~400 V, 50 Hz	45.7 kg	8	2165546
TOP-S 80/20 (3~400 V, PN 6)	DN 80	360 mm	6 bar	3~400 V, 50 Hz	48.9 kg	8	2165547
TOP-S 80/20 (3~400 V, PN 10)	DN 80	360 mm	10 bar	3~400 V, 50 Hz	48.9 kg	8	2165548
TOP-S 100/10 (3~400/230 V, PN 6)	DN 100	360 mm	6 bar	3~400 V, 50 Hz	36.9 kg	12	2165549
TOP-S 100/10 (3~400/230 V, PN 10)	DN 100	360 mm	10 bar	3~400 V, 50 Hz	36.9 kg	12	2165550



WILO SE  
Wilopark 1  
44263 Dortmund  
Germany  
T +49 231 4102-0  
F +49 231 4102-7363  
wilo@wilo.com  
www.wilo.com