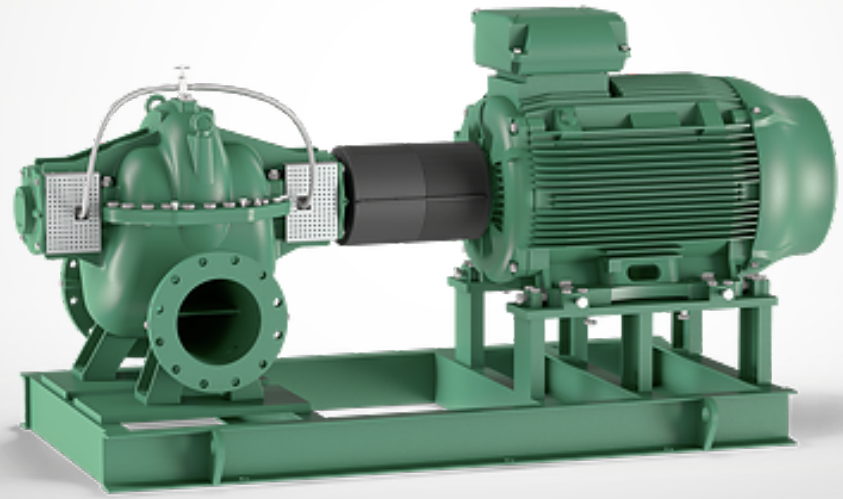
Pioneering for You

Atmos TERA-SCH



Atmos TERA-SCH

Axially split pump

Axially split case pump for reliable operation and energy-efficient transport of large volume flows through extensive distribution networks.



Wilo-Atmos TERA-SCH

- ✓ Reliable continuous duty for an efficient drinking water supply over extensive piping networks – can be tailored to suit your exact requirements
- ✓ Reduced energy costs through high overall efficiency
- ✓ Simplified and shorter alignment process due to the optional tolerant coupling and motor adjustment device
- ✓ Quiet-running hydraulics with lower vibrations and reduced noise level for increased operational reliability
- ✓ Reduced cavitation tendency through optimised NPSH-performances
- ✓ Lower space requirements due to compact design
- ✓ Also available as certified drinking water version
- ✓ Optionally with Ceram CT coating – for an efficiency increase of up to 3 %
- ✓ Standard volume flow of up to 4500 m^3/h

Product selection

Product description	Number of poles	IE	Nominal flange diameter	Mechanical seal	Port-to-port length *L0*	Rated power P_2
Atmos TERA-SCH125/200-30/2	2	IE3	DN 125	on request	230 mm	30 kW
Atmos TERA-SCH125/200-37/2	2	IE3	DN 125	on request	230 mm	37 kW
Atmos TERA-SCH125/200-45/2	2	IE3	DN 125	on request	230 mm	45 kW
Atmos TERA-SCH125/200-55/2	2	IE3	DN 125	on request	230 mm	55 kW
Atmos TERA-SCH150/200-30/2	4	IE3	DN 150	on request	240 mm	30 kW
Atmos TERA-SCH150/200-37/2	4	IE3	DN 150	on request	240 mm	37 kW
Atmos TERA-SCH150/200-45/2	4	IE3	DN 150	on request	240 mm	45 kW
Atmos TERA-SCH150/200-55/2	4	IE3	DN 150	on request	240 mm	55 kW
Atmos TERA-SCH150/230-37/2	2	IE3	DN 150	on request	240 mm	37 kW

Product description	Number of poles	IE	Nominal flange diameter	Mechanical seal	Port-to-port length *L0*	Rated power P_2
Atmos TERA-SCH150/230-45/2	2	IE3	DN 150	on request	240 mm	45 kW
Atmos TERA-SCH150/230-55/2	2	IE3	DN 150	on request	240 mm	55 kW
Atmos TERA-SCH150/230-75/2	2	IE3	DN 150	on request	240 mm	75 kW
Atmos TERA-SCH150/360-37/4	4	IE3	DN 150	on request	290 mm	37 kW
Atmos TERA-SCH150/360-45/4	4	IE3	DN 150	on request	290 mm	45 kW
Atmos TERA-SCH150/360-55/4	4	IE3	DN 150	on request	290 mm	55 kW
Atmos TERA-SCH150/360-75/4	4	IE3	DN 150	on request	290 mm	75 kW
Atmos TERA-SCH150/430-75/4	4	IE3	DN 150	on request	290 mm	75 kW
Atmos TERA-SCH150/430-90/4	4	IE3	DN 150	on request	290 mm	90 kW
Atmos TERA-SCH150/430-110/4	4	IE3	DN 150	on request	290 mm	110 kW
Atmos TERA-SCH150/430-132/4	4	IE3	DN 150	on request	290 mm	132 kW
Atmos TERA-SCH150/470-110/4	4	IE3	DN 150	on request	308 mm	110 kW
Atmos TERA-SCH150/470-132/4	4	IE3	DN 150	on request	308 mm	132 kW
Atmos TERA-SCH150/470-160/4	4	IE3	DN 150	on request	308 mm	160 kW
Atmos TERA-SCH150/470-200/4	4	IE3	DN 150	on request	308 mm	200 kW
Atmos TERA-SCH150/530-110/4	4	IE3	DN 150	on request	335 mm	110 kW
Atmos TERA-SCH150/530-132/4	4	IE3	DN 150	on request	335 mm	132 kW
Atmos TERA-SCH150/530-160/4	4	IE3	DN 150	on request	335 mm	160 kW
Atmos TERA-SCH150/530-200/4	4	IE3	DN 150	on request	335 mm	200 kW
Atmos TERA-SCH150/540-250/4	4	IE3	DN 150	on request	370 mm	250 kW
Atmos TERA-SCH150/540-315/4	4	IE3	DN 150	on request	370 mm	315 kW
Atmos TERA-SCH150/540-355/4	4	IE3	DN 150	on request	370 mm	355 kW
Atmos TERA-SCH150/540-400/4	4	IE3	DN 150	on request		400 kW
Atmos TERA-SCH150/560-160/4	4	IE3	DN 150	on request	328 mm	160 kW
Atmos TERA-SCH150/560-200/4	4	IE3	DN 150	on request	328 mm	200 kW
Atmos TERA-SCH150/560-250/4	4	IE3	DN 150	on request	328 mm	250 kW
Atmos TERA-SCH150/560-315/4	4	IE3	DN 150	on request	328 mm	315 kW
Atmos TERA-SCH150/590-315/4	4	IE3	DN 150	on request	360 mm	315 kW
Atmos TERA-SCH150/590-355/4	4	IE3	DN 150	on request	360 mm	355 kW
Atmos TERA-SCH150/590-400/4	4	IE3	DN 150	on request		400 kW
Atmos TERA-SCH150/590-450/4	4	IE3	DN 150	on request		450 kW
Atmos TERA-SCH200/320-30/4	4	IE3	DN 200	on request	300 mm	30 kW
Atmos TERA-SCH200/320-37/4	4	IE3	DN 200	on request	300 mm	37 kW
Atmos TERA-SCH200/320-45/4	4	IE3	DN 200	on request	300 mm	45 kW

Product description	Number of poles	IE	Nominal flange diameter	Mechanical seal	Port-to-port length *L0*	Rated power P_2
Atmos TERA-SCH200/320-55/4	4	IE3	DN 200	on request	300 mm	55 kW
Atmos TERA-SCH200/320-75/4	4	IE3	DN 200	on request	300 mm	75 kW
Atmos TERA-SCH200/380-55/4	4	IE3	DN 200	on request	310 mm	55 kW
Atmos TERA-SCH200/380-75/4	4	IE3	DN 200	on request	310 mm	75 kW
Atmos TERA-SCH200/380-90/4	4	IE3	DN 200	on request	310 mm	90 kW
Atmos TERA-SCH200/380-110/4	4	IE3	DN 200	on request	310 mm	110 kW
Atmos TERA-SCH200/380-132/4	4	IE3	DN 200	on request	310 mm	132 kW
Atmos TERA-SCH200/420-90/4	4	IE3	DN 200	on request	325 mm	90 kW
Atmos TERA-SCH200/420-110/4	4	IE3	DN 200	on request	325 mm	110 kW
Atmos TERA-SCH200/420-132/4	4	IE3	DN 200	on request	325 mm	132 kW
Atmos TERA-SCH200/420-160/4	4	IE3	DN 200	on request	325 mm	160 kW
Atmos TERA-SCH200/420-200/4	4	IE3	DN 200	on request	325 mm	200 kW
Atmos TERA-SCH200/500-132/4	4	IE3	DN 200	on request	323 mm	132 kW
Atmos TERA-SCH200/500-160/4	4	IE3	DN 200	on request	323 mm	160 kW
Atmos TERA-SCH200/500-200/4	4	IE3	DN 200	on request	323 mm	200 kW
Atmos TERA-SCH200/500-250/4	4	IE3	DN 200	on request	323 mm	250 kW
Atmos TERA-SCH200/500-315/4	4	IE3	DN 200	on request	323 mm	315 kW
Atmos TERA-SCH250/360-55/4	4	IE3	DN 250	on request	315 mm	55 kW
Atmos TERA-SCH250/360-75/4	4	IE3	DN 250	on request	315 mm	75 kW
Atmos TERA-SCH250/360-90/4	4	IE3	DN 250	on request	315 mm	90 kW
Atmos TERA-SCH250/360-110/4	4	IE3	DN 250	on request	315 mm	110 kW
Atmos TERA-SCH250/380-90/4	4	IE3	DN 250	on request	310 mm	90 kW
Atmos TERA-SCH250/380-110/4	4	IE3	DN 250	on request	310 mm	110 kW
Atmos TERA-SCH250/380-132/4	4	IE3	DN 250	on request	310 mm	132 kW
Atmos TERA-SCH250/380-160/4	4	IE3	DN 250	on request	310 mm	160 kW
Atmos TERA-SCH250/470-160/4	4	IE3	DN 250	on request	328 mm	160 kW
Atmos TERA-SCH250/470-200/4	4	IE3	DN 250	on request	328 mm	200 kW
Atmos TERA-SCH250/470-250/4	4	IE3	DN 250	on request	328 mm	250 kW
Atmos TERA-SCH250/470-315/4	4	IE3	DN 250	on request	328 mm	315 kW
Atmos TERA-SCH250/580-400/4	4	IE3	DN 250	on request		400 kW
Atmos TERA-SCH250/580-450/4	4	IE3	DN 250	on request		450 kW
Atmos TERA-SCH250/580-500/4	4	IE3	DN 250	on request		500 kW
Atmos TERA-SCH250/580-560/4	4	IE3	DN 250	on request		560 kW
Atmos TERA-SCH250/630-630/4	4	IE3	DN 250	on request		630 kW

Product description	Number of poles	IE	Nominal flange diameter	Mechanical seal	Port-to-port length *L0*	Rated power P_2
Atmos TERA-SCH250/630-710/4			DN 250	on request		
Atmos TERA-SCH250/630-800/4	4	IE3	DN 250	on request		800 kW
Atmos TERA-SCH250/630-900/4			DN 250	on request		
Atmos TERA-SCH300/430-160/4	4	IE3	DN 300	on request	345 mm	160 kW
Atmos TERA-SCH300/430-200/4	4	IE3	DN 300	on request	345 mm	200 kW
Atmos TERA-SCH300/430-250/4	4	IE3	DN 300	on request	345 mm	250 kW
Atmos TERA-SCH300/430-280/4			DN 300	on request	345 mm	
Atmos TERA-SCH300/540-315/4	4	IE3	DN 300	on request		315 kW
Atmos TERA-SCH300/540-355/4	4	IE3	DN 300	on request		355 kW
Atmos TERA-SCH300/540-400/4	4	IE3	DN 300	on request		400 kW
Atmos TERA-SCH300/540-450/4	4	IE3	DN 300	on request		450 kW
Atmos TERA-SCH300/540-500/4	4	IE3	DN 300	on request		500 kW
Atmos TERA-SCH350/500-90/6	6	IE3	DN 350	on request	390 mm	90 kW
Atmos TERA-SCH350/500-110/6	6	IE3	DN 350	on request	390 mm	110 kW
Atmos TERA-SCH350/500-132/6	6	IE3	DN 350	on request	390 mm	132 kW
Atmos TERA-SCH350/500-160/6	6	IE3	DN 350	on request	390 mm	160 kW
Atmos TERA-SCH350/500-185/6			DN 350	on request	390 mm	
Atmos TERA-SCH350/580-630/4	4	IE3	DN 350	on request		630 kW
Atmos TERA-SCH350/580-710/4			DN 350	on request		
Atmos TERA-SCH350/580-800/4	4	IE3	DN 350	on request		800 kW
Atmos TERA-SCH350/580-900/4			DN 350	on request		
Atmos TERA-SCH350/750-630/6	6	IE3	DN 350	on request		630 kW
Atmos TERA-SCH350/750-710/6			DN 350	on request		
Atmos TERA-SCH350/750-800/6			DN 350	on request		
Atmos TERA-SCH350/750-900/6			DN 350	on request		
Atmos TERA-SCH400/490-315/4	4	IE3	DN 400	on request		315 kW
Atmos TERA-SCH400/490-355/4	4	IE3	DN 400	on request		355 kW
Atmos TERA-SCH400/490-400/4	4	IE3	DN 400	on request		400 kW
Atmos TERA-SCH400/490-450/4	4	IE3	DN 400	on request		450 kW
Atmos TERA-SCH400/490-500/4	4	IE3	DN 400	on request		500 kW
Atmos TERA-SCH400/550-160/6	6	IE3	DN 400	on request	430 mm	160 kW
Atmos TERA-SCH400/550-200/6	6	IE3	DN 400	on request	430 mm	200 kW
Atmos TERA-SCH400/550-250/6	6	IE3	DN 400	on request	430 mm	250 kW
Atmos TERA-SCH400/550-315/6	6	IE3	DN 400	on request	430 mm	315 kW

Product description	Number of poles	IE	Nominal flange diameter	Mechanical seal	Port-to-port length *L0*	Rated power P_2
Atmos TERA-SCH450/630-355/6	6	IE3	DN 450	on request		355 kW
Atmos TERA-SCH450/630-400/6	6	IE3	DN 450	on request		400 kW
Atmos TERA-SCH450/630-450/6	6	IE3	DN 450	on request		450 kW
Atmos TERA-SCH450/630-500/6	6	IE3	DN 450	on request		500 kW
Atmos TERA-SCH450/630-560/6	6	IE3	DN 450	on request		560 kW

Information

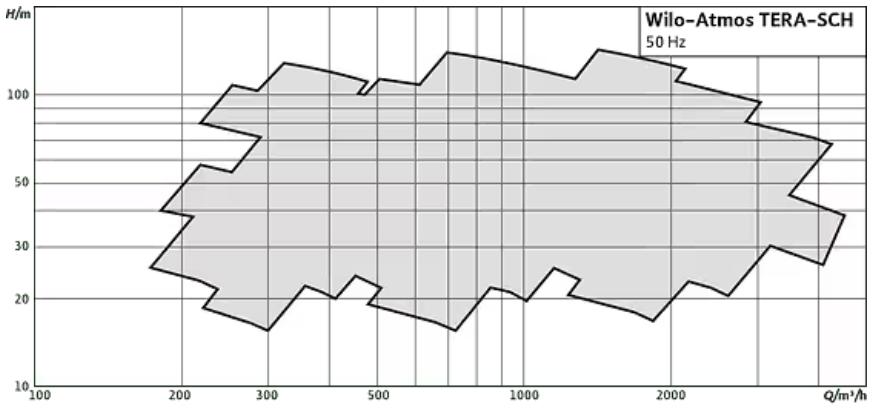
Axially split case pump for reliable operation and energy-efficient transport of large volume flows through extensive distribution networks.

The Wilo-Atmos TERA-SCH axially split case pump provides a reliable water supply 365 days a year at low operating costs. The pump's easy maintenance design and high efficiency across the entire characteristic curve ensure low-wearing and energy-efficient operation and contribute to the consistent water supply.

Recommended services

Supervision **Commissioning** **Maintenance**

Series description



Wilo-Atmos TERA-SCH

Design

Pump with axially split housing mounted on a base frame

Application

- Raw water intake, pressure boosting and general transport in power plants, waterworks and municipal drinking water supply networks
- Cooling water and industrial water supply in power plants and industrial facilities
- Irrigation in professional irrigation/agriculture
- Pumping of heating water (in accordance with VDI 2035 Germany) and water/glycol mixtures

Type key

Example:	**Atmos TERA-SCH 250/360-75/4-L1**
Atmos	Product family
TERA	Series
SCH	Construction (splitcase pump, horizontal)
250	Nominal diameter DN of pressure port
360	Nominal diameter of the impeller in mm
75	Rated motor power P_2 in kW
4	Number of poles
L1	Variant code (L1 = bronze impeller)

Technical data

- Fluid temperature -20 °C to +120 °C
- Mains connection 3~400 V, 50 Hz
- Nominal diameters
  - on the suction side: DN 150 to DN 600
  - on the discharge side: DN 125 to DN 450
- Max. operating pressure: PN 10, PN 16

Materials

- Pump housing: EN-GJL-250
- Impeller: G-CuSn10
- Shaft: X12Cr13

Construction

- Centrifugal pump with axially split housing, available in single-stage design
- Delivered as complete unit (pump with coupling, coupling guard, motor and baseplate) or without motor or only pump hydraulics
- Shaft sealing with mechanical seal or stuffing box packing
- 2-, 4- and 6-pole motors; IE3-standard to 1000 kW (IE4 on request)
- Welded steel frame

Scope of delivery

- Bare shaft pump or with coupling or as complete unit
- Installation and operating instructions

Pioneering for You

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