

# WI 35TU

## Data sheet

Experience Better Living.

### High efficiency water-to-water heat pump for indoor installation.

High coefficient of performance through electronic expansion valve, COP booster and electronic pump control depending on the temperature spread in the heat generator circuit. Soft starter, flow and return sensors for the water and heating circuit integrated. External sensor (standard NTC-2) and circulating pump for the heat generator circuit in the scope of supply (note free compression). FWO function for more efficient domestic hot water preparation with increased domestic hot water temperatures and volumes of water to be drawn through optimised tank charging. Access for service work front and left, no minimum clearance is required on the right side. Use of load-variable tariffs (SG Ready) Variable connection options for the water and heating connections on the rear wall of the casing. Sensor monitoring of the refrigeration circuit for a high degree of operational safety and integrated thermal energy metering (display of the calculated quantity of thermal energy for heating, domestic hot water and swimming pool water preparation). Bivalent or bivalent-renewable operating mode Distribution systems with unmixed and mixed heating circuits A sound-optimised metal casing and the integrated solid-borne sound insulation with free-swinging compressor base plate make direct connection with the heating system possible. Universal design with two compressors for output regulation when operating at partial load, optional domestic hot water preparation and flexible expansion options for: Heat pump white textured (similar to RAL 9003). Heat pump for heating purposes with two performance levels for increased efficiency in partial load operation for indoor installation and integrated heat pump manager WPM Econ5Plus with touch display. Heat generator circuit pump 12 m delivery height at 5 m<sup>3</sup>/h (thread connection R 1 1/4", (pump thread 2"), inside micrometer 180 mm!



### Technical Data

Order reference	WI 35TU
Heat source flow (min.)	6.3
Nominal power consumption according to EN 14511 at W10/W35	5.74
Maximum electric power consumption	10
Seasonal space heating energy efficiency in average climate conditions (NT)	262
Energy efficiency class with 55 °C flow temperature	A+++
Seasonal room heating energy efficiency (high temperature)	180
Energy efficiency class with 35 °C flow temperature	A+++
Pressure drop evaporator EN 14511	14000
Dimensions (W x H x D)**	1000 x 885 x 810 mm
Weight	275 kg

\* Heating and cooling capacity and coefficients of performance (COP/EER) in accordance with EN 14511

\*\* Please note that additional space is required for pipe connection, operation and maintenance.

\*\*\* The fuse protection must be designed as an all-pole disconnecting device (common disconnection of all phases)!



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17.04.2024

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## System accessories



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Description	Order-ref.	Article-number	Example Piece	Units	Price
<b>Heat pump water monobloc indoor</b>					
High efficiency water-to-water heat pump for indoor installation.	WI 35TU	368520	1		
Dual differential pressureless manifold	DDV 40	367720	1		
Built-under buffer tank 300l	PSP 300U	378630	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		
<b>Accessories hydraulic</b>					
Dual differential pressureless manifold	DDV 40	367720	1		
3-way ball valve DN 40	DWK 40	364700	1		
DN 32 double-sphere rubber expansion joint	KOMP 32	362060	1		
DN 40 double-sphere rubber expansion joint	KOMP 40	362070	1		
Transitional screw connection 1 1/2" internal thread to R 1 1/4"  GDD-01-370090	KUP G40	370090	1		
Mixed heating circuit module	MMH 32	367790	1		
Built-under buffer tank 300l	PSP 300U	378630	1		
Universal buffer tank (500 l)	PSW 500	339210	1		
Electronically controlled wet-running pump, self-regulating	UPE 100-32K	374730	1		
Electronically controlled wet-running pump, self-regulating	UPE 120-32K	374740	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-100	362530	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-150	362540	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-200	362550	1		
Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-300	362560	1		



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Ready-for-use DN 32 stainless steel Wellflex pipe	VSE 32-50	362520	1		
Manifold bar DN 32	VTB 32-2	374920	1		
Manifold bar DN 32	VTB 32-3	374930	1		
Domestic hot water module/unmixed heating circuit module	WWM 32	367800	1		
<b>Accessories for heating</b>					
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650100	381220	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650140	381230	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 1650180	381240	1		
Heat pump heater heating/passive cooling, depth 16.5 cm	WPHK 165080	381210	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150100	381250	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150140	381260	1		
Heat pump heater heating/passive cooling, depth 21.5 cm	WPHK 2150180	381270	1		
Heat pump heater vertical	WPHKV 1220053	381280	1		
<b>Accessories domestic hot water</b>					
Flow rate measurement for central domestic hot water heater	DFM 1988-500	377650	1		
Flow rate measurement for central domestic hot water heater	DFM 1988-700	379150	1		
3-way reversing valve DN 32	DWV 32	374780	1		
High-efficiency circulating pump DN 32 with coupling relay	UPH 90-32	370420	1		
Pump unit DN 32 for direct connection of the domestic hot water cylinder	WPG 32	356040	1		
Domestic hot water cylinder (500l) with temperature sensor	WWSP 556	370080	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Domestic hot water cylinder, 700 litres	WWSP 770	376730	1		
<b>Accessories solar</b>					
400l solar cylinder for heat pump	WWSP 432 SOL	361080	1		
500 l solar cylinder for heat pump	WWSP 540 SOL	361090	1		
<b>Accessories controls</b>					
Flow rate switch DN 32	DFS 32-50	369970	1		
Outside temperature sensor with casing	FG 3115	336620	1		
Expansion module WPM for a KNX/EIB connection	KNX WPM	376350	1		
Extension for a Modbus RTU connection	LWPM 410	339410	1		
Temperature sensor NTC-10 with metal sleeve	NTC-10M	363600	1		
Extension for an Ethernet network connection	NWPM Touch	378800	1		
Strap-on thermostat for temperature monitoring	RAT 060I	361470	1		
Smart RTC+ - intelligent room temperature control	RTM Econ A	367210	1		
Smart RTC+ - intelligent room temperature control	RTM Econ U	367200	1		
<b>Accessories for cooling</b>					
3-way reversing valve DN 40	DWV 40	374790	1		
Room climate station for temperature and humidity measurement	RKS WPM	342220	1		
Dew point monitor	TPW WPM	350970	1		
Plate heat exchanger for SI 35	WTE 37	358420	1		
Plate heat exchanger for SIH 40	WTE 40	358430	1		



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Description	Order-ref.	Article-number	Example Piece	Units	Price
Plate heat exchanger, copper-soldered	WTU 50	362370	1		

\* Additional specific accessories available/required

### Important notice

The combination of components and the specified quantities represent a non-binding example system that must be reviewed and, if necessary, adjusted individually. The pumpsizing needs to be checked according to the system's pressure loss and the minimum heating water flow rate of the heat pump.



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