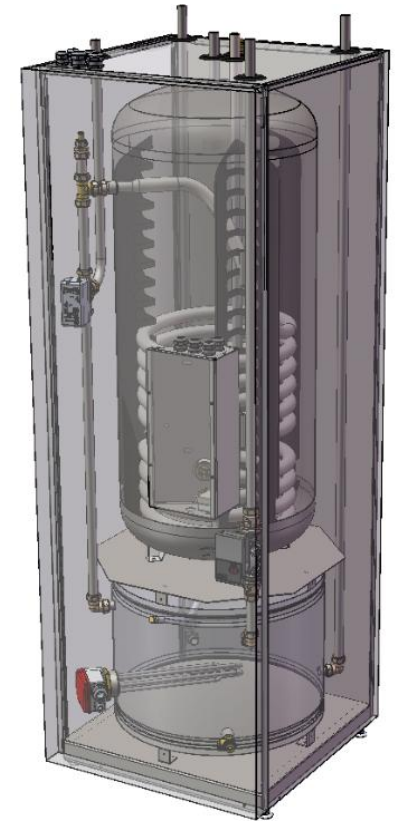




NEW NORDIC TANK 2013

Aquarea Tank:

**PAW-TD20B8E3-NDS**



## -> New tank design according to Nordic standard:

- 185l tank for DHW Stainless steel
- high Heat surface for high efficiency: 2.3m<sup>2</sup>
- High insulation of the tank with Polyurethane 5cm
- Buffer tank 80L
- 3 ways valve Honeywell included
- A class pump on the secondary heating circuit
- Compact chassis: 0.6x0.632 m
- Only 1.81 m high
- Connections on the top of the tank
- 3 kW backup heater for the DHW tank
- Opening for the backup heater of the buffer tank (Heater not included)



Availability: **December**

**-> Ideally design for the Nordic applications:**

- Easy connection with Bi-bock and Mono-Block Panasonic Aquarea Heat pumps**
- Fast installations as the 3 way valve and the A class pump is already mounted on the tank**
- Powerful Wilo 25/6 A class pump**
- Stainless steel tank for long durability**
- Squared chassis for a easy integration on the house**

# Nordic Aquarea Tank Specs

**Panasonic**  
ideas for life

SANITARY TANK PAW-TD20B8E3-NDS			PAW-TD20B8E3-NDS
Water volume for the DHW tank		L	185
Water volume for the buffer tank		L	80
Max. water temperature		°C	100
Dimension	H x W x D	mm	1810x600x632
Weight		kg	150
Electric heater		kW	3
Power supply			400V-2p / 230V 2P
Material inside tank			EN 1.4162
Exchange surface		m <sup>2</sup>	2.3
Energy loss at 65°C (insulated tested under EN 12897) DHW-cyl		kWh/24h	1.3
Insulation thickness		mm	50
Type of insulation (indicate the type of PE used)			Polyol - 2 comp
A class pump	No. of Speed		Stepless (800-4250 rpm)
	Pressure drop (Min/Max) kPa		5/62
	Input Power (Min/Max)	W	3/45
3 Way valve included			Yes
Safety thermostat with contact for failure part of E-Heating			Yes
Location of the electrical heater			Mid
Warranty of the tank			5 years
Warranty of electrical parts			2 years

# Nordic Aquarea Tank

**Panasonic**  
ideas for life

**Easy access to all elements of the tank opening  
the front panel:**

**3 way valve**

**A class pump**

**Electric box**

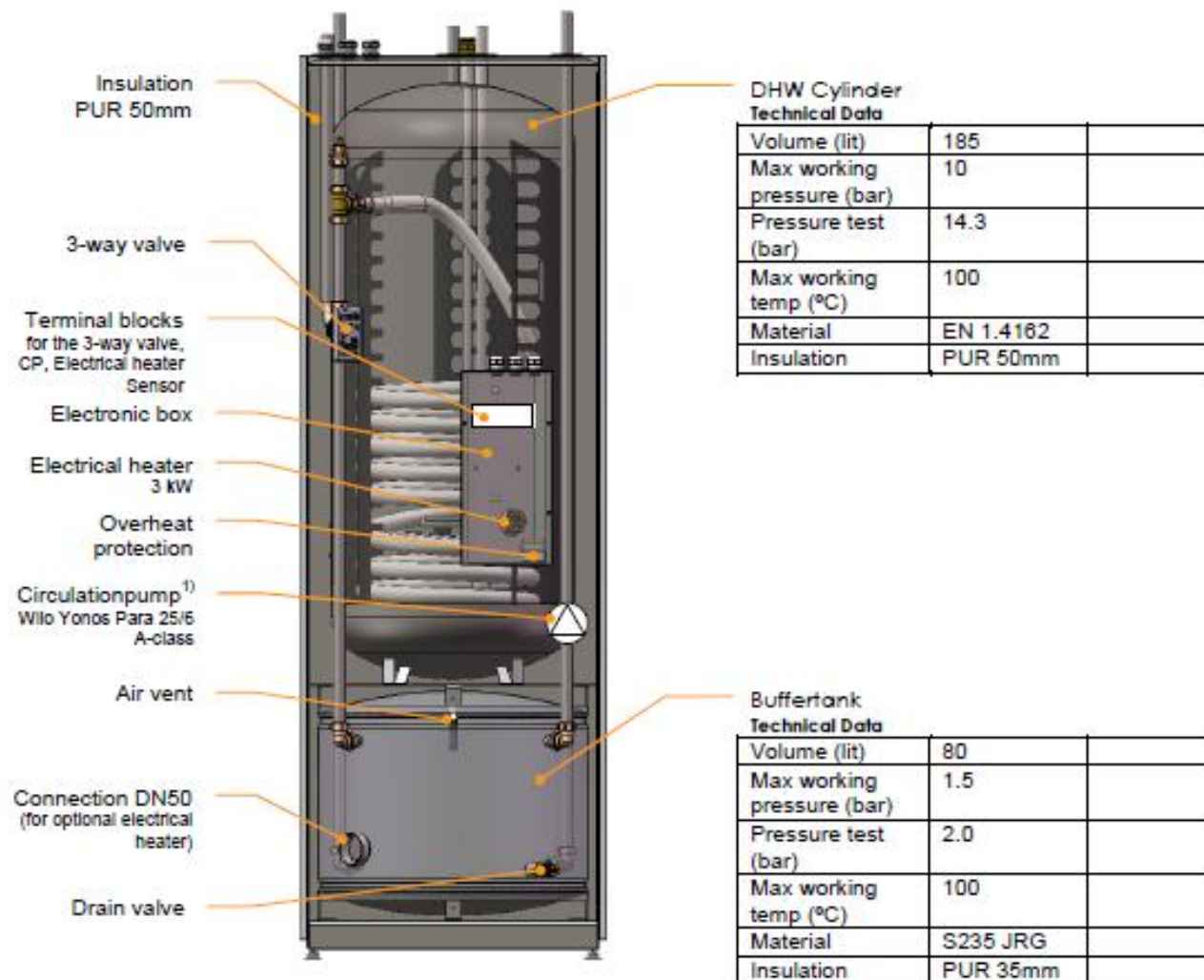
**Back up heater of the DHW tank**

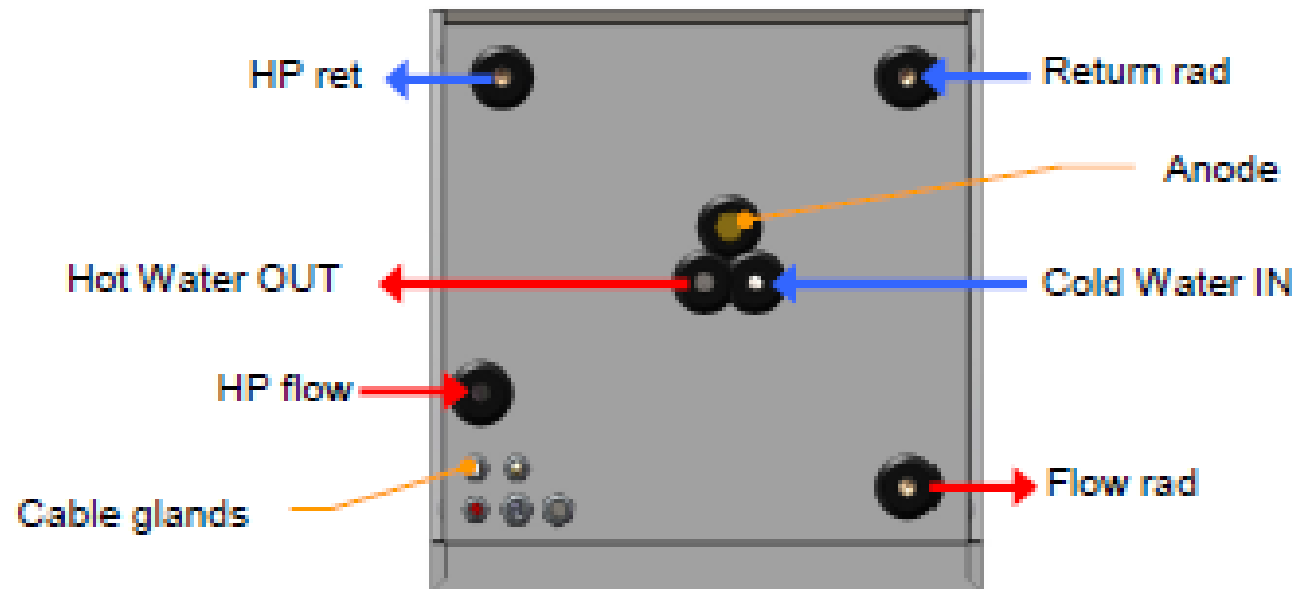
**Opening for the backup heater of the buffer tank**

**Connection on the top of the tank**







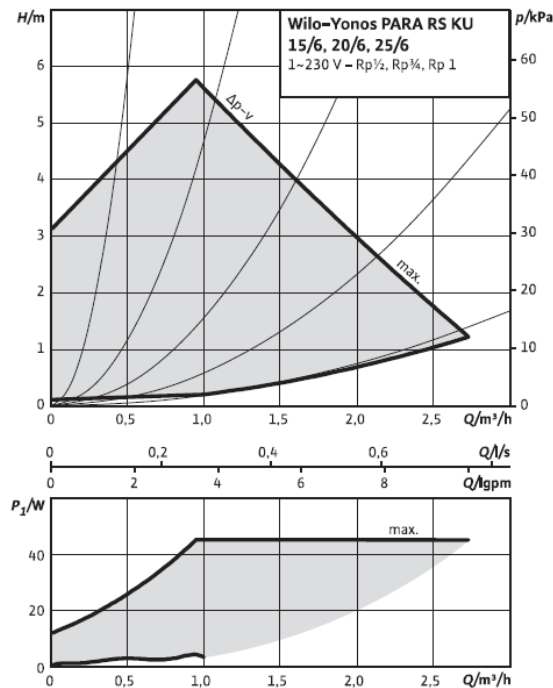


# A class pump curves, Pump: Wilo 25/6

## Pump curves Wilo-Yonos PARA RS 15/6, 20/6, 25/6 Red Knob KU

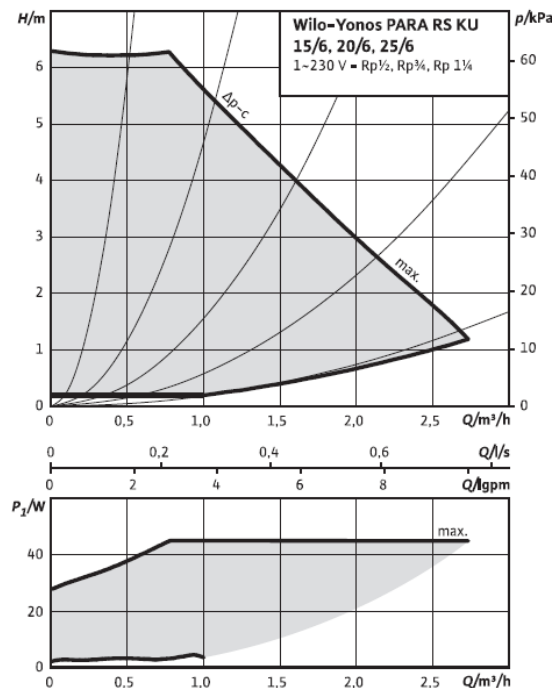
### Wilo-Yonos PARA RS 15/6, 20/6, 25/6 KU

$\Delta p = v$  (variable)



### Wilo-Yonos PARA 15/6, 20/6, 25/6 KU

$\Delta p = c$  (const.)



### Wilo-Yonos PARA RS 15/6, 20/6, 25/6 KU

Constant speed I, II, III

