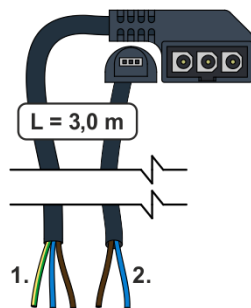
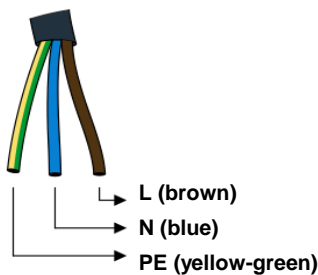
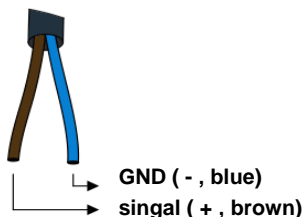




Main features	
Application	keeping a min. inlet temperature into a boiler (fire) through a load valve
Description	consists of Wilo Yonos PARA RS 25/7.5 RKC pump, TSV5B load valve (with automatic by-pass balancing), thermometer, insulation
Function	pump station for solid-fuel boilers and fires, prevents low-temperature corrosion and boiler clogging
Working fluid	water, water-glycol mix (max. 1:1) or water-glycerine mix (max. 2:1)
Installation	on return pipe, min. pipe centre distance from wall = 100 mm

Connection of Pump Wilo Yonos PARA RS 25/7,5 PWM1 - MOLEX and PWM connector

1. POWER SUPPLY (1 ~ 230 V, 50 Hz)

2. CONTROL (PWM)


Power supply cables and PWM control cables are included in supply.

Code	max. boiler output
17279 for 55°C valve opening temp.	max. 57 kW
17280 for 65°C valve opening temp.	max. 41 kW

Accessories	
By-pass with non return valve	code 16139

Pump Station Technical Data	
Fluid operating temp	0 - 95 °C
Max. working pressure	6 bar
Max. ambient temperature	58 °C
Power supply	230 V, 50 Hz
Insullation material	EPP RG 60 g/l
Overall dimensions	325 x 140 x 220 mm
Total weight	3,5 kg
Connection	3 x 5/4" F

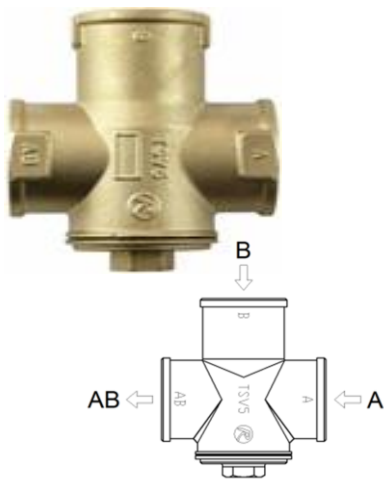
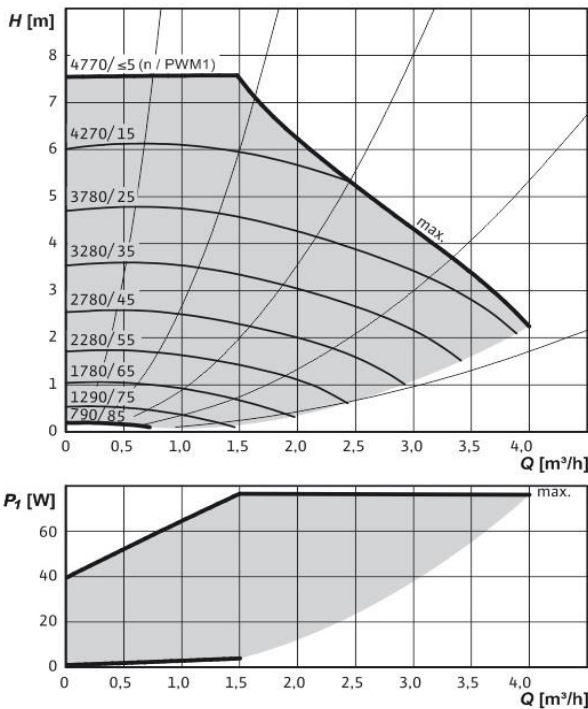
Wilo Yonos PARA RS 25/7.5 - PWM1 Pump Data

Electric data	
Power supply	1~230 V, 50 Hz
Power input (min./ max.)	4/75 W
Current (min. / max.)	0,04/0,66 A
IP rating	IPX4D
Speed control	frequency controller
Max. speed	4770 ot/min
Energy efficiency index	≤ 0,21 per EN 16 297/3
Motor protection	integrated

Min. pressures at suction port	
Min. pressures at suction port to avoid cavitation	0,05 bar at 50 °C 0,44 bar at 95 °C

Operation data	
Fluid operating temp.	0 - 100 °C at 58 °C ambient temp.
Max. working pressure	6 bar
Max. delivery head	7,6 m

WILO Yonos PARA RS 25/7,5 - PWM1 Pump performance curves



Thermostatic valve Data

Technical data

Max. working temperature	95 °C
Max. working pressure	6 bar
Valve opening temp	as the thermostatic element
Range of control	$t_{v,o} + 5\text{ °C}$
Valve Kvs (A→AB direction)	7,0 m³/hod
Valve Kvs (B→AB direction)	4,9 m³/hod
Connection	3 x G 5/4" F
Nominal inner diameter	DN 32

Materials

Housing, cone and plug	brass
Spring	stainless steel
Element and plug seal	EPDM
Cone seal	NBR

Valve pressure drop diagram

