



CSE OTS W

## Installation and Operation Manual **CSE OTS W PUMP STATION**

**EN**

**CSE OTS W**

# 1. Introduction

CSE OTS W pump station is designed to be installed in unmixed hydraulic circuits in heating systems where a non return valve is not required. The pump station provides circulation through the concerned heating circuit.

## 2. Description of the pump station

The pump station consists of a Wilo Yonos Para pump including a power cable, two fittings with a shut-off ball valve, thermometer and insulation.

Main features	
Application	unmixed hydraulic circuits in heating systems
Description	consists of a Wilo Yonos PARA RS pump, a ball valve, fittings with a shut-off ball valve, thermometer and insulation
Working fluid	water, water-glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1)
Installation	on a pipe in the circuit concerned, the min. distance of the pipe axis from a wall is 100 mm
Code	<b>15 782</b>

Technical data of CSE OTS W pump station	
Fluid working temperature	2 - 95 °C
Max. working pressure	6 bar
Max. ambient temperature	58 °C
Power supply	230 V, 50 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	325 x 140 x 150 mm
Total weight	2.9 kg
Connections	2x G 1" F

3. Flow direction



4. Wilo Yonos PARA RS 25/1-6 RKC Pump

Design

Wet-running circulation pump with G 6/4" M connection.

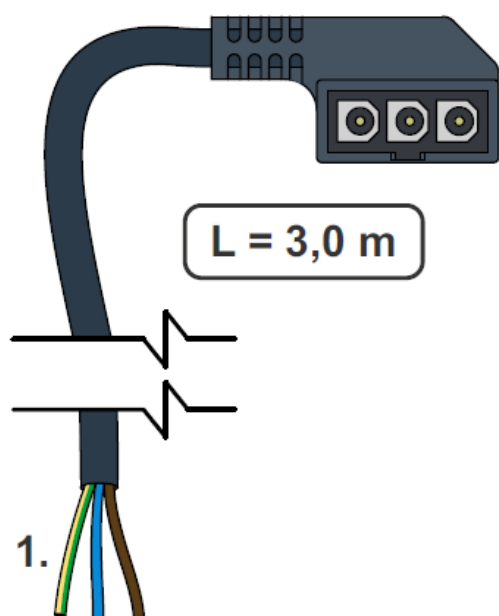
Electrical data	
Power supply	230 V, 50 Hz
Power input (min./max.)	3/45 W
Current (min./max.)	0.03/0.44 A
Max. speed	4300 rpm
Speed control	frequency inverter
Energy Efficiency Index	≤ 0.20 by EN 16 297/3
IP rating	IPX4D
Motor protection	integrated

Minimum pressure at the suction port	
Min. pressure at the suction port to avoid cavitation	0.05 bar at 50 °C
	0.43 bar at 95 °C

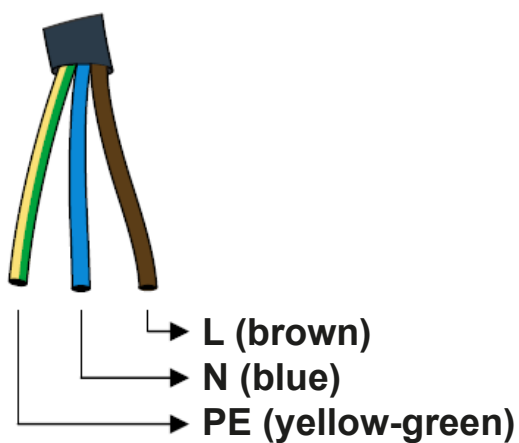


Operation data	
Fluid working temp.	0 to 100 °C at 58 °C ambient temperature
Max. working pressure	6 bar
Max. head	6.2 m

## Wilo Yonos Para RS pump wiring

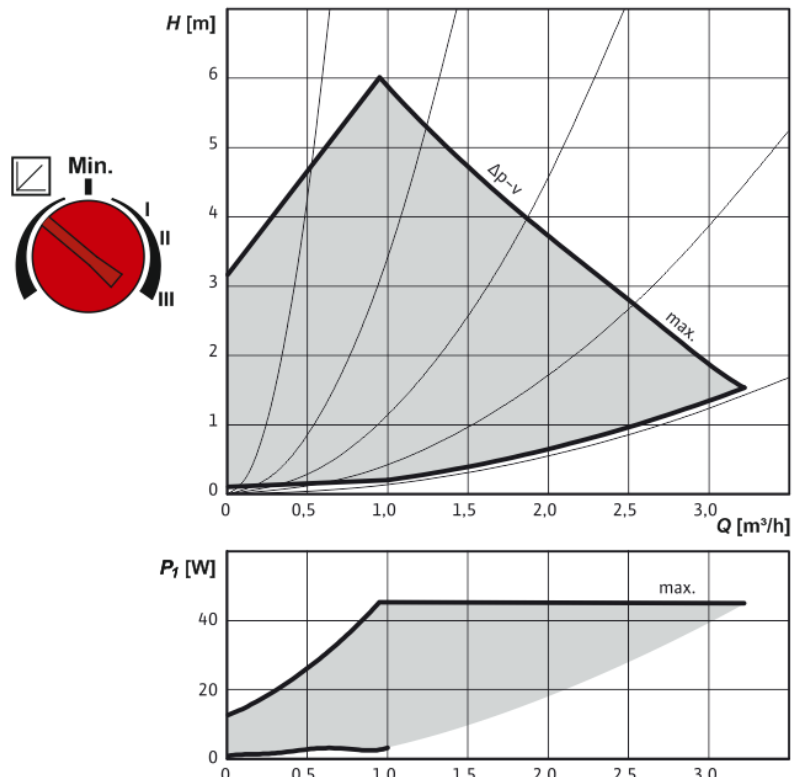


### 1. POWER SUPPLY (1~ 230 V, 50 Hz)

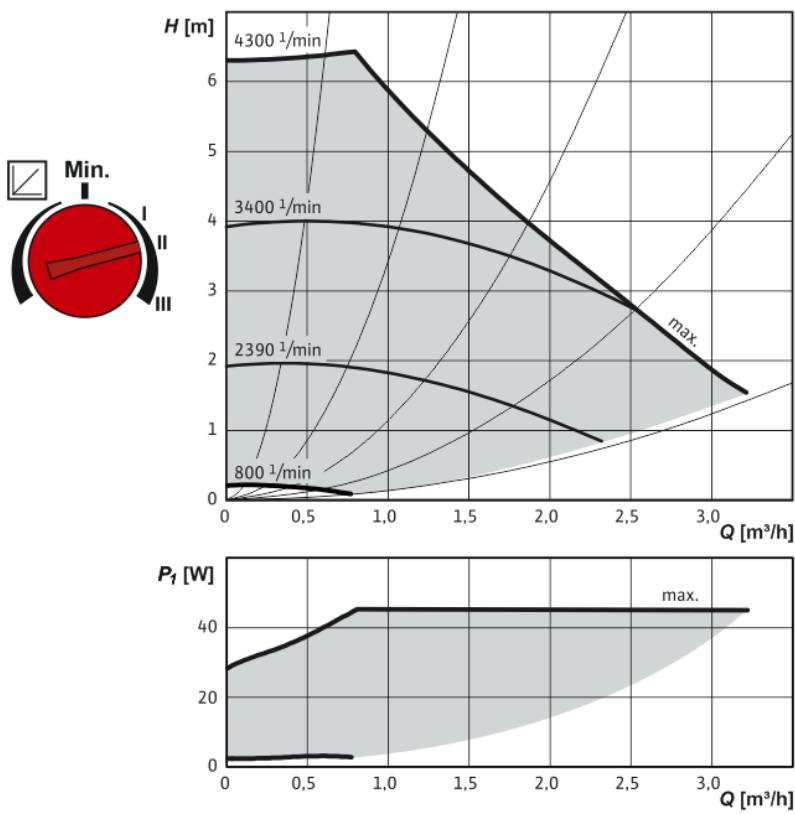


Performance curves

Characteristics of  $\Delta p-v$  (variable)



Characteristics of  $n= \text{const.}$



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