

CSE TC W iPWM FB Pump Station



Main Features	
Application	heat pump circuit
Description	consists of PARA 25/8 iPWM 130 mm pump, ball valve w. strainer and magnet, thermometer, insulation
Working fluid	water; water-glycol mixture (max. 1:1) or water-glycerine mixture (max. 2:1)
Flow measurement	the current flow rate is sent electronically to the external controller *
Installation	return pipe of a heat pump, 100 mm min. pipe centre distance from wall
Code	17868

* The controller shall be equipped with an input for iPWM reading and a flow calculation function.

Data for CSE TC W iPWM FB Pump Station	
Fluid working temperature	5 - 95 °C
Max. working pressure	10 bar
Max. ambient temperature	40 °C
Power supply	1 ~ 230 V, 50 - 60 Hz
Insulation material	EPP RG 60 g/l
Overall dimensions	380x170x180 mm
Total weight	3.4 kg
Connections	2 x G 1" F

PARA 25/8 iPWM 130 mm Pump

Electric Data	
Power supply	1 ~ 230 V, 50 - 60 Hz
Power input (min./max.)	2 / 75 W
Current (min./max.)	0.03 / 0.66 A
Max. speed	4800 rpm
Speed control type	frequency converter
Energy Efficiency Index	≤ 0.21 by EN 16 297/3
IP rating	IPX4D
Motor protection	integrated

Min. pressure at the suction port to avoid cavitation	
Min. pressure at the suction port	0.5 mH ₂ O at 50 °C 4.5 mH ₂ O at 95 °C

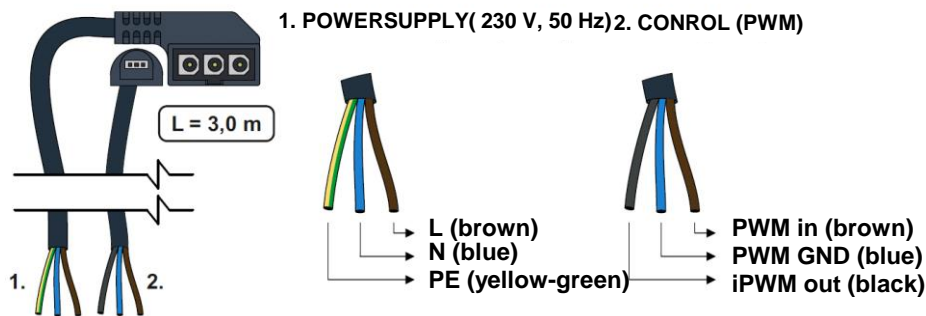
Operating Parameters	
Fluid working temperature	0 - 100°C at 58 °C ambient temperature
Max. static pressure	10 bar
Max. head	8.4 m

Ball Valve w. Strainer and Magnet

Technical Data	
Fluid working temperature	100 °C
Max. working pressure	16 bar
Magnetic induction	1.2 T (12000 Gs)
Strainer mesh size	0.6 mm

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PARA 25/8 iPWM Pump Connection



LED signals

	green is lit	1 – pump is running in trouble-free operation
	red is lit	1 – rotor is blocked 2 – electric motor winding defect
	flashing red	1– power supply voltage lower/higher than permitted 2 – electric short circuit in pump 3 – pump overheated
	flashing red and green	1 – unforced fluid circulation through the pump 2 – pump speed lower than desired 3 – air in pump

Performance Curves for PARA 25/8 iPWM Pump

