



**ECONOPLATE
E3 SERIES
HOT WATER SERVICE
PACKAGED
PLATE HEAT EXCHANGER**

SUPPLEMENT FOR WILO PRIMARY PUMP

**STOKVIS ENERGY SYSTEMS
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TECHNICAL SPECIFICATION

E3A100 WILO RANGE.

-Chassis Plate.	: epoxy coated steel 25mm thick.
-Front Plate.	: epoxy coated steel 20mm thick.
-Heat Exchanger Plate.	: 316 grade stainless steel.
-Plate Gaskets.	: EPDM.
-Retaining bolts.	: 16mm carbon steel.
-Maximum primary operating pressure.	: 10 bar.
-Maximum primary operating temperature.	: 130 ⁰ C
-Cold water feed.	: Bronze 1½" BSPF.
-Hot water service flow.	: Bronze 1½" BSPF.
-Hot water service return.	: Bronze 1" BSPF (¾" BSPF when HWS secondary pump fitted).
-Primary water connections.	: Inlet cast iron DN40 PN10 Outlet 1½" BSPM
-Primary Pump.	: TOPS 40/7, 1 Phase.

The Pump is fitted with an integral thermal protection relay.

-HWS Secondary pump (optional).	: UP20-45N, (1 phase, 115 Watt.) (complete with brass non return valve).
-HWS Transfer pumps (optional)	: UP20-45N or UPS32-55B dependent upon model
-Control valve.	: 3 port, Cast Iron, DN40 PN10.
-Valve Actuator.	: 240V, modulating, motor open/motor close.
-CONTROL PANEL.	: Polycarbonate enclosure. : Electronic PID temperature controller. : 7 day time clock control of 2 temperature settings and/or 1 temperature /night off, per day. : Safety extra low voltage circuit for external "clock" control of 2 temperatures or one temperature and off. : Safety extra low voltage circuit for external interlock. : Adjustable high limit and low limit temperature alarms, temp. alarm lamp, common volt free temp. alarm and selectable high temp. lockout modes. : Functional indication of: primary pump (P1 or P2) enabled, valve opening or closing. : LCD Digital display of day and time, and secondary flow temperature and any faults. : 4-20 mA output of secondary flow temperature. : Pump mode selection including duplex pump duty share. : Full menu driven interrogation of parameters and operating modes. : 500mA control fuse, 10A output fuse.

WEIGHT: 150Kg (Maximum)
HEIGHT : 1110mm

LENGTH: 740mm (excluding optional secondary pump)
WIDTH : 305mm (excluding optional secondary pump)

TECHNICAL SPECIFICATION
E3A300 WILO RANGE.

-Chassis Plate.	: epoxy coated steel 25mm thick.
-Front Plate.	: epoxy coated steel 20mm thick.
-Heat Exchanger Plate.	: 316 grade stainless steel.
-Plate Gaskets.	: EPDM.
-Retaining bolts.	: 16mm carbon steel.
-Maximum primary operating pressure.	: 10 bar.
-Maximum primary operating temperature.	: 130 ⁰ C
-Cold water feed.	: Bronze 2" BSPF.
-Hot water service flow	: Bronze 2" BSPF.
-Hot water service return.	: Bronze 1" BSPF (or 3/4" BSPF when HWS secondary pump fitted).
-Primary water connections.	: Inlet cast iron DN40 PN10 Outlet 1 1/2" BSPM
-Primary Pump.	: TOPS 40/10 1 Phase.

The pump is fitted with an integral thermal protection relay.

-HWS Secondary pump (optional).	: UP20-45N, (1 phase, 115 Watt.) (complete with brass non return valve).
-HWS Transfer pumps (optional)	: UPS32-80B, UPS40-60/2FB, UPS40-120/2FB dependent upon model
-Control valve.	: 3 port, Cast Iron, DN40 PN10.
-Valve Actuator.	: 240V, modulating, motor open/motor close.
-CONTROL PANEL.	: ABS enclosure. : Electronic PID temperature controller. : 7 day time clock control of 2 temperature settings and/or 1 temperature /night off, per day. : Safety extra low voltage circuit for external "clock" control of 2 temperatures or one temperature and off. : Safety extra low voltage circuit for external interlock. : Adjustable high limit and low limit temperature alarms, temp. alarm lamp, common volt free temp. alarm and selectable high temp. lockout modes. : Functional indication of: primary pump(P1 or P2) enabled, valve opening or closing. : LCD Digital display of day and time, and secondary flow temperature and any faults. : 4-20 mA output of secondary flow temperature. : Pump mode selection including duplex pump duty share and auto changeover on pump fault. : Primary pump overloads with optional volt free pump run and fault indication. : Full menu driven interrogation of parameters and operating modes. : 500mA control fuse, 10A output fuse.

WEIGHT: 170Kg (Maximum)
HEIGHT : 1110mm

LENGTH: 740mm (excluding optional secondary pump)
WIDTH : 408mm (excluding optional secondary pump)