

# Product Data Sheet

# Optima Twin Coil

Indirect	Unit	Type	Type	Type	Type	Type
<b>Product</b>	<b>Optima Twin Coil</b>	<b>EPTC 400</b>				
<b>Product No.</b>	<b>OSO no.</b>	<b>8 000 279</b>				
<b>Product Capacity</b>	<b>Persons</b>	<b>7,0</b>				
<b>Product Segment</b>		<b>Domestic</b>				
<b>Product</b>						
Weight - Net	kg	95				
Height - Max	mm.	2250				
Diameter	mm.	580				
Volume - Actual	ltr.	210				
Usable hot water draw off at 40°C (ltr)	ltr.	550				
Hot Water / hour at 40°C (ltr)	ltr.	Heat Source				
Heat Up Time - 15°C - max Temp.	hours	Heat Source				
Standing Heat Loss - 24 hours	kWh/24 hours	3,30				
Dimensions - Cardboard Box	LxWxH mm.	595x625x2250				
Volume - Cardboard Box	m <sup>3</sup>	0,81				
<b>Materials</b>						
Inner Cylinder	Stainless Steel	Duplex				
Coil(s)	Stainless Steel	Duplex				
Electric Element(s)	Stainless Steel	Incoloy 825				
Electric Box and Lid(s)	Plastic	V0 Plastic				
Insulation	PUR	ECO Foam				
Outer Casing	Steel	Epoxy Coated				
<b>Energy Source</b>		<b>Suggested</b>				
Type - Primary		Solar				
Type - Secondary		Heat Pump				
Temperature - Primary / Lower		Low Temp.				
Temperature - Secondary / Upper		Low Temp.				
<b>Heating Coil(s)</b>						
Surface area - Primary / Lower	m <sup>2</sup>	0,70				
Surface area - Secondary / Upper	m <sup>2</sup>	0,80+0,25				
Recommended Flow Rate	ltr./min.	Heat Source				
Heat Source Buffer Volume	ltr.	190				
<b>Electric</b>						
Immersion Heater Booster - Capacity	kW	3,0				
Immersion Heater Backup - Capacity	kW	15,0				
Immersion Heater - Phase	Phase	1/3				
Immersion Heater - Voltage	Volt	230/400				
Thermostat Type		Surface				
Upper Working Thermostat - Temp. Range	°C	60-90				
Upper Working Thermostat - Set Temp.	°C	75				
Lower Working Thermostat - Temp. Range	°C	30-60				
Lower Working Thermostat - Set Temp.	°C	45				
Electrical Installation		Regulations				
IP Classification		IP 21				
<b>Connections</b>						
Cold Feed / Hot Water Draw Off	Location	Top				
Cold Feed / Hot Water Draw Off	Compression	15mm				
Safety Valve (Drain Connection)	" (inches)	3/8 - Female				
Safety Valve (Overflow Connection)	" (inches)	3/4 - Female				
T&P Valve (Overflow Connection)	Compression	15mm				
Secondary Return / Hot Water w/o mixing	" (inches)	3/4 - Female				
Immersion Heater(s)	" (inches)	5/4				
Primary Coil Flow / Return	" (inches)	3/4 - Female				
Buffer Volume Flow / Return	" (inches)	6x1 - Female				
Sensor Connection w/ PG nipple	mm.	2x8mm				
<b>Safety</b>						
Safety Valve - Opening Pressure +/- 5 %	Bar	3				
T&P Valve - Opening Pressure/Temp.	Bar/°C	10/95				
Safety Thermostat - Cut-out Temp.	°C	98/75				
Inner Cylinder - Design Pressure /Temp.	Bar/°C	10/99				
Coil(s) - Design Pressure	Bar	10				
<b>Certifications / Approvals</b>						
Product Certifications	Certificates	CE / NEMKO / KIWA / WRAS				
Manufacturing Plant Approvals	Standards	ISO 9001:2008 / ISO 14001:2008 / OHSAS 18001				
<b>Environment</b>						
Environmental Declaration		100 % Recyclable / >60 % Recycled Materials / ODP of 0 / GWP of 1				
<b>Warranty - Water Quality EN 98/83EC</b>						
Water - Chloride Content Max - Cl	ppm	250				
Water - Sulphate Content Max - So4	ppm	250				
Water - Chloride/Sulphate Content Max	ppm	250				
Warranty Period - Inner Cylinder / Parts	Years	10 / 2				