

# Product Data Sheet

# Ecoline Geo

Indirect	Unit	Type	Type	Type	Type	Type
<b>Product</b>	<b>Ecoline Geo</b>	<b>RI HP 200</b>	<b>RI HP 300</b>			
<b>Product No.</b>	<b>OSO no.</b>	<b>8 000 232</b>	<b>8 000 234</b>			
<b>Product Capacity</b>	<b>Persons</b>	<b>3,5</b>	<b>4,5</b>			
<b>Product Segment</b>		<b>Domestic</b>	<b>Domestic</b>			
<b>Product</b>						
Weight - Net	kg	43	55			
Height - Max	mm.	1260	1710			
Diameter	mm.	580	580			
Volume - Actual	ltr.	190	280			
Usable hot water draw off at 40°C (ltr)	ltr.	355	520			
Hot Water / hour at 40°C (ltr)	ltr.	Heat Source	Heat Source			
Heat Up Time - 15°C - max Temp.	hours	Heat Source	Heat Source			
Standing Heat Loss - 24 hours	kWh/24 hours	1,90	2,30			
Dimensions - Cardboard Box	LxWxH mm.	595x595x1305	595x595x1755			
Volume - Cardboard Box	m <sup>3</sup>	0,46	0,62			
<b>Materials</b>						
Inner Cylinder	Stainless Steel	Duplex	Duplex			
Coil(s)	Stainless Steel	Duplex	Duplex			
Electric Element(s)	Stainless Steel	Incoloy 825	Incoloy 825			
Electric Box and Lid(s)	Plastic	V0 Plastic	V0 Plastic			
Insulation	PUR	ECO Foam	ECO Foam			
Outer Casing	Steel	Epoxy Coated	Epoxy Coated			
<b>Energy Source</b>		<b>Suggested</b>	<b>Suggested</b>			
Type - Primary		Heat Pump	Heat Pump			
Type - Secondary		-	-			
Temperature - Primary / Lower		Low Temp.	Low Temp.			
Temperature - Secondary / Upper		-	-			
<b>Heating Coil(s)</b>						
Surface area - Primary / Lower	m <sup>2</sup>	1,40	1,80			
Surface area - Secondary / Upper	m <sup>2</sup>	-	-			
Recommended Flow Rate	ltr./min.	Heat Pump	Heat Pump			
Heat Source Buffer Volume	ltr.	-	-			
<b>Electric</b>						
Immersion Heater Booster - Capacity	kW	3,0	3,0			
Immersion Heater Backup - Capacity	kW	-	-			
Immersion Heater - Phase	Phase	1	1			
Immersion Heater - Voltage	Volt	230	230			
Thermostat Type		Surface	Surface			
Upper Working Thermostat - Temp. Range	°C	60-90	60-90			
Upper Working Thermostat - Set Temp.	°C	75	75			
Lower Working Thermostat - Temp. Range	°C	-	-			
Lower Working Thermostat - Set Temp.	°C	-	-			
Electrical Installation		Regulations	Regulations			
IP Classification		IP 21	IP 21			
<b>Connections</b>						
Cold Feed / Hot Water Draw Off	Location	Top	Top			
Cold Feed / Hot Water Draw Off	Compression	15mm	15mm			
Safety Valve (Drain Connection)	" (inches)	3/8 - Female	3/8 - Female			
Safety Valve (Overflow Connection)	" (inches)	3/4 - Female	3/4 - Female			
T&P Valve (Overflow Connection)	Compression	-	-			
Secondary Return / Hot Water w/o mixing	" (inches)	-	-			
Immersion Heater(s)	" (inches)	5/4	5/4			
Primary Coil Flow / Return	" (inches)	3/4 - Female	3/4 - Female			
Secondary Coil Flow / Return	" (inches)	-	-			
Sensor Connection w/ PG nipple	mm.	2x8mm	2x8mm			
<b>Safety</b>						
Safety Valve - Opening Pressure +/- 5 %	Bar	9	9			
T&P Valve - Opening Pressure/Temp.	Bar/°C	10/95	10/95			
Safety Thermostat - Cut-out Temp.	°C	98	98			
Inner Cylinder - Design Pressure /Temp.	Bar/°C	10/99	10/99			
Coil(s) - Design Pressure	Bar	10	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	250			
Water - Sulphate Content Max - So4	ppm	250	250			
Water - Chloride/Sulphate Content Max	ppm	250	250			
Warranty Period - Inner Cylinder / Parts	Years	10 / 2	10 / 2			