



EarthSave  
Products

# The GreenLine Series Intelligent Air Source Heat Pump Tech



Efficient. Quiet. Future-Ready Heating.  
[www.earthsaveproducts.com](http://www.earthsaveproducts.com)  
01865 598158



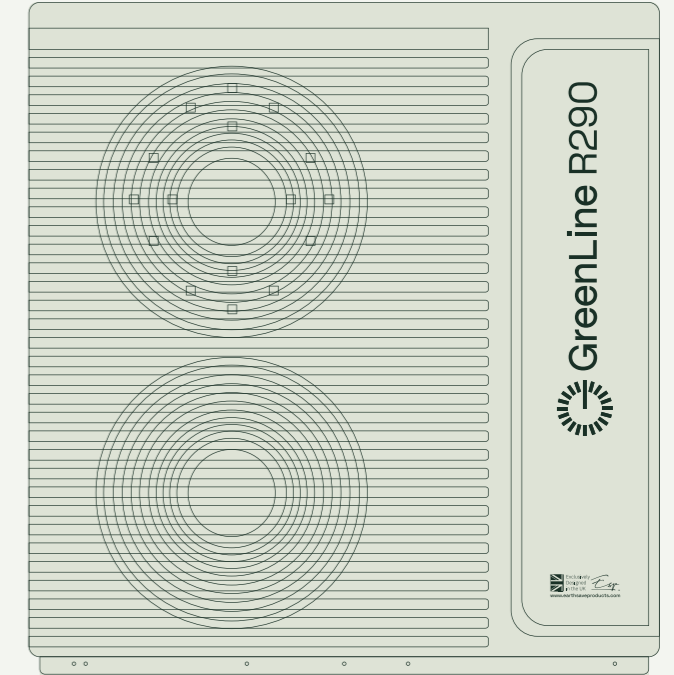
## Designed for UK homes to work efficiently without changing how you live in your home

**Earth Save Products** is a UK-based renewable heating specialist with nearly **20 years** of experience designing and delivering high-performance renewable heating systems.

## GreenLine has been engineered specifically for:

From assessment to installation to long-term support, **GreenLine** is renewable heating done properly.

- ✓ UK weather conditions
- ✓ UK housing stock, including retrofit homes
- ✓ Long-term efficiency, reliability and compliance





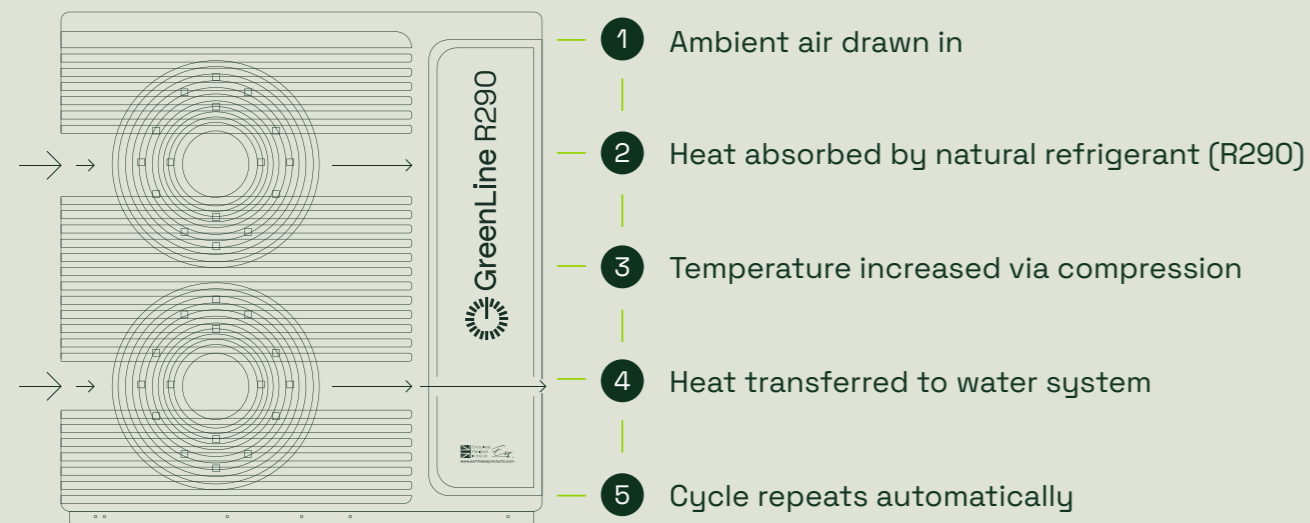
## A Smarter Way to Heat Your Home

Traditional boilers burn fuel to create heat. **GreenLine** works differently.

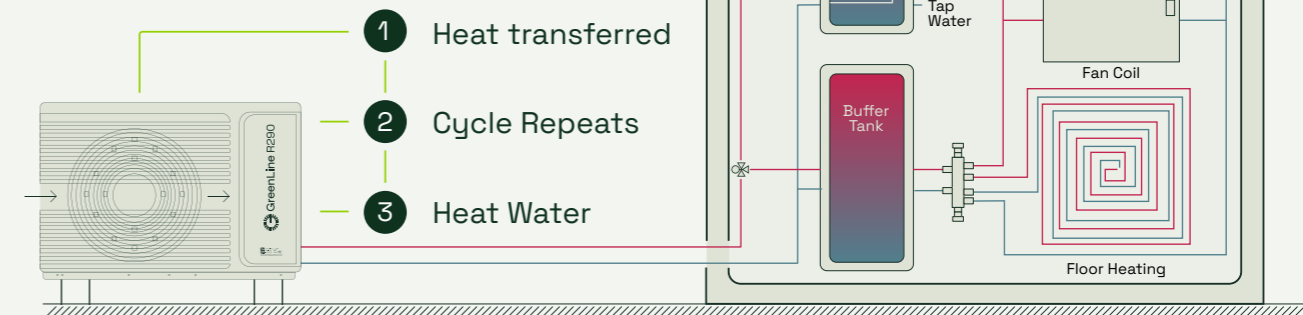
Instead of wasting energy, it **extracts renewable heat from the air** and upgrades it for use inside your home, delivering far higher efficiency with far lower running costs.

As energy prices rise and regulations change, heat pumps are becoming the smarter long-term choice for homeowners.

## How the GreenLine Air Source Heat Pump Works



## Heating & Water Integration, compatible with radiators, underfloor heating and hot water systems.



**Temperature boost**  
Compression rapidly increases temperature



**Heat delivery**  
Heat is transferred into the water system

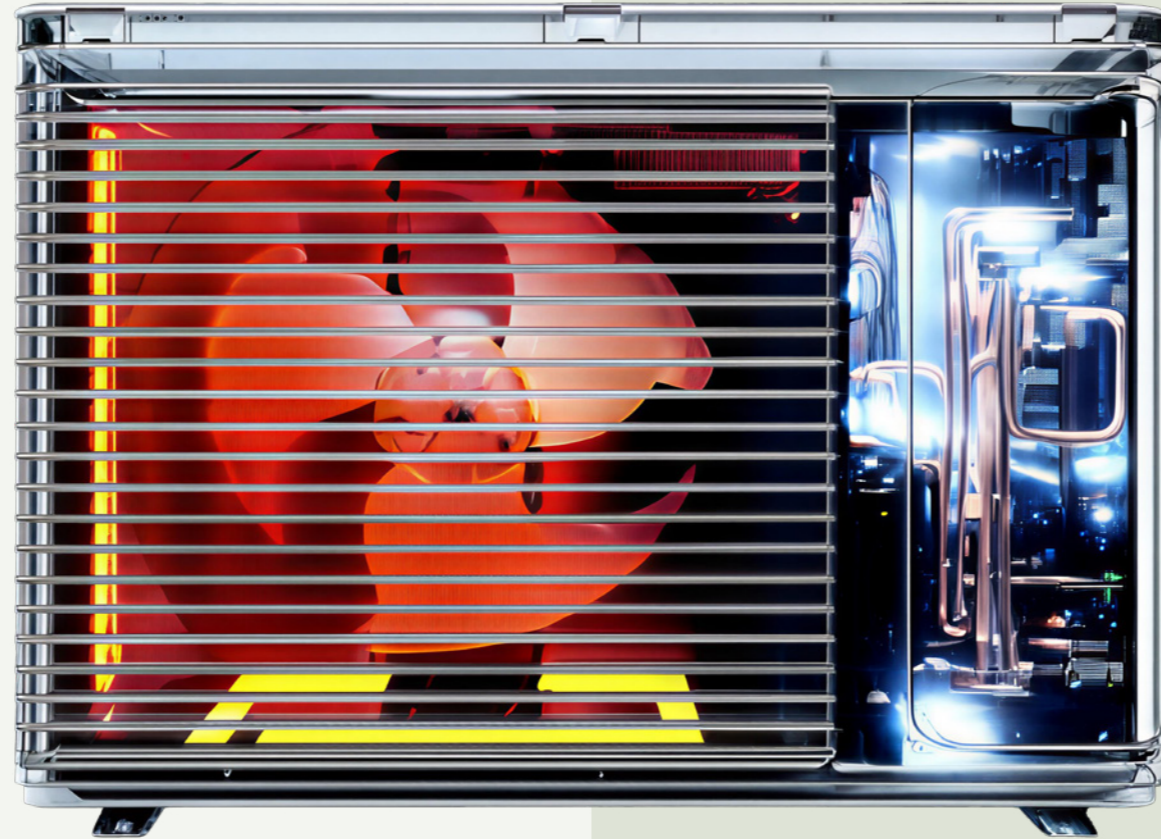


**Continuous efficiency**  
The cycle repeats automatically



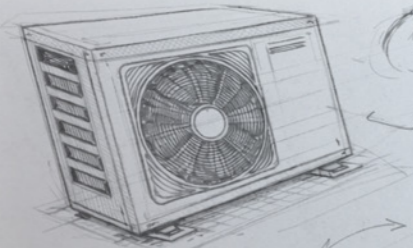
**This process runs continuously, delivering steady, efficient heating and hot water.**

**GreenLine** doesn't create heat, it moves it, which is why it's so efficient

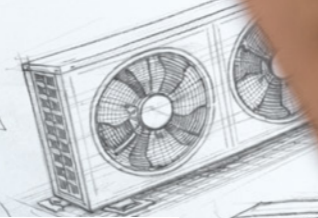


## Exceptional Efficiency Lower Running Costs

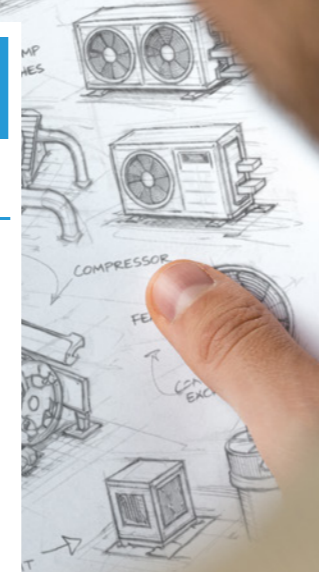
- ✓ On average **4 units of heat for every 1 unit of electricity used**
- ✓ In comparison, a gas boiler produces 0.8 units of heat for every 1 unit of gas
- ✓ Lower running costs compared to traditional boilers
- ✓ Reduced carbon emissions
- ✓ Designed to perform reliably even in cold UK winter conditions
- ✓ Developed to **reduce energy bills** when paired with a well-designed system



ESP Greenline R290  
air source heat pump



ESP	GreenLine	
	55 °C	35 °C



# Designed & Built to Be Relied On

! Everything we design, install and support is built for long-term reliability



Mcs Accredited Installation



Designed For UK Homes



R290 Natural Refrigerant



A+++ Energy Efficiency



Quiet Operation



Smart Controls



Professional Installation



Ongoing Servicing & Support

## Why **GreenLine** vs Other Heat Pumps

**GreenLine** is designed as a complete heating system, not just a standalone unit.

- ✓ Future-ready refrigerant
- ✓ Quiet, inverter-driven performance
- ✓ Can **heat up to 75°C** as to majority of heat pumps only heat up to 45°C/50°C
- ✓ No need to upgrade existing radiators in many cases
- ✓ Installed and supported professionally
- ✓ Engineered for UK homes
- ✓ Outer-shell built recycled-plastic ASA panels for long-term outdoor durability

Some heat pumps are sold as products, **GreenLine** is sold as a solution



## A GreenLine Model for Every Home



### R290-300 22kW

Larger properties, multiple dwellings and/or swimming pool



### R290-200 15kW

Ideal for homes with 5/4 bedrooms



### R290-200 9kW

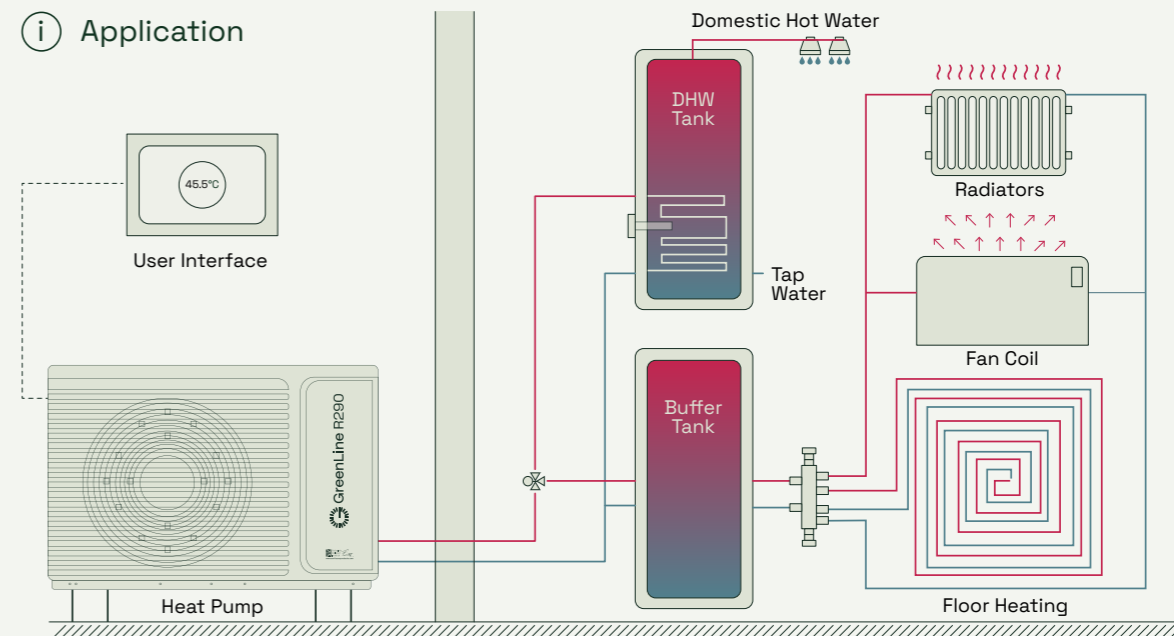
Perfect for up to 3 bedroom houses

**GreenLine R290** range is available in multiple sizes to suit different homes and heating needs. Every model delivers the same quiet operation, high efficiency and reliable performance and is professionally sized to ensure long-term comfort.

For more great products visit [www.earthsaveproducts.com](http://www.earthsaveproducts.com)

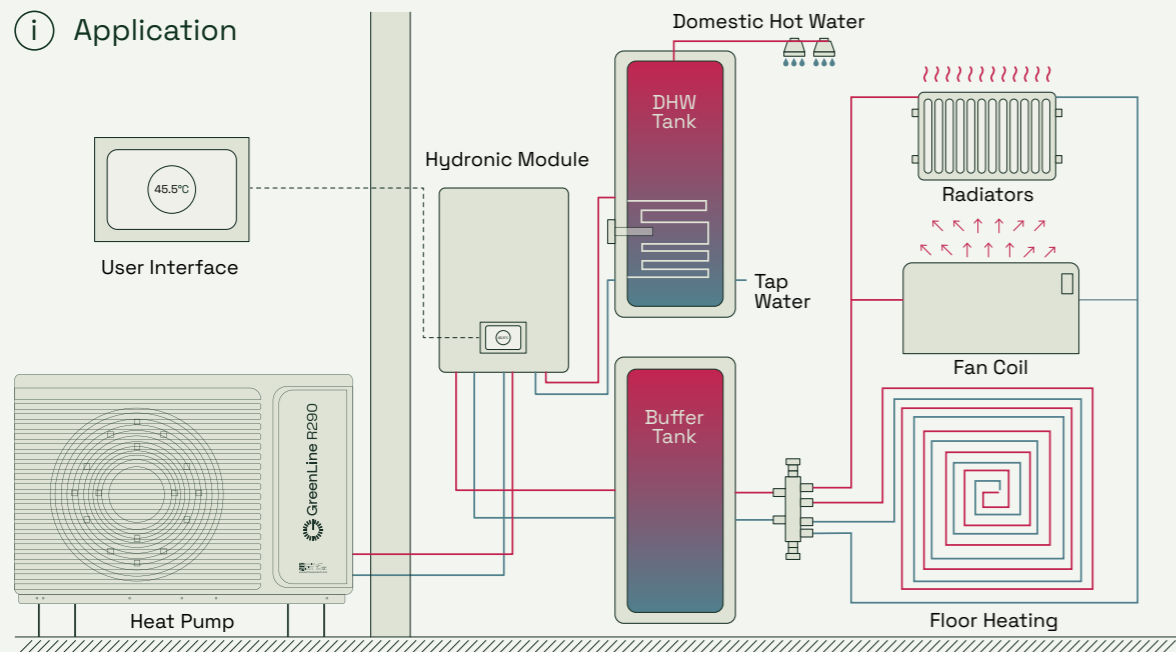
## Traditional Installation

**GreenLine R290** heat pumps can be integrated into a traditional heating system, including buffer tanks and hot water cylinders, to suit individual home layouts and requirements. System configuration is professionally designed to ensure safe and reliable operation.



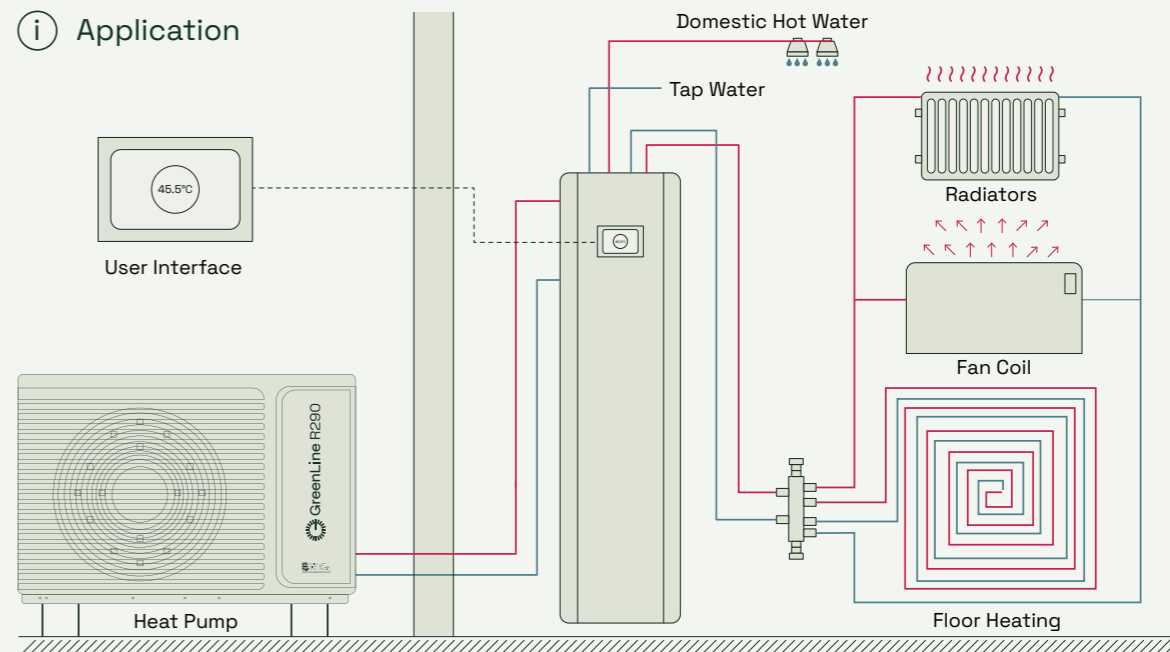
## Hydronic Module Installation

The **GreenLine** Hydronic Module simplifies installation by integrating essential system components, helping reduce installation time while supporting heating, cooling and hot water. A compatible hot water cylinder is required.



## Thermal Store Installation

An integrated Thermal Store combining buffering and hot water storage in one unit, designed to simplify installation and support efficient system performance.



# GreenLine Series Specifications

Many systems look similar on paper, real-world performance is what matters.



## GreenLine R290

	Model 100	Model 200	Model 300
Power Supply	230V~ (all models)		
<b>Heating Condition</b>	Ambient Temp. (DB/WB): 7/6°C — Water Temp. (In/Out): 30/35°C		
Heating Capacity Range	kW 3.10 ~ 8.90	5.40 ~ 14.95	8.00 ~ 22.00
Heating Power Input Range	kW 0.65 ~ 2.10	1.05 ~ 3.85	1.60 ~ 6.90
Heating Current Input Range	A 2.90 ~ 9.20	4.60 ~ 16.90	7.00 ~ 30.30
<b>Cooling Condition</b>	Ambient Temp. (DB/WB): 35/24°C — Water Temp. (In/Out): 12/7°C		
Cooling Capacity Range	kW 1.20 ~ 5.72	3.60 ~ 10.50	4.20 ~ 15.00
Cooling Power Input Range	kW 0.65 ~ 2.40	1.12 ~ 4.47	1.80 ~ 7.30
Cooling Current Input Range	A 2.90 ~ 9.20	4.90 ~ 19.60	7.90 ~ 32.10

## Hot Water Condition

	Ambient Temp. (DB/WB): 20/15°C — Water Temp. (In/Out): 15/55°C		
Hot Water Capacity Range	kW 3.92 ~ 10.68	6.50 ~ 18.50	10.00 ~ 27.00
Hot Water Power Input Range	kW 0.78 ~ 2.47	1.27 ~ 4.65	1.90 ~ 7.10
Hot Water Current Input Range	A 3.40 ~ 10.80	5.60 ~ 20.40	8.30 ~ 31.20
Max. Power Input	kW 3.0	5.3	7.5
Max. Current Input	A 13.5	24.5	35.0
Water Flow	m <sup>3</sup> /h 1.0	1.7	2.9
Refrigerant / Proper Input	kg R290 / 0.50kg	R290 / 0.85kg	R290 / 1.30kg
CO <sub>2</sub> Equivalent	Ton 0.0015	0.0026	0.0039
Sound Pressure (1m)	dB(a) 43	42	48
Sound Power Level (EN12102)	dB(a) 60	57	64
Operating Ambient Temperature	°C -25 ~ 43°C		
Max. Water Temperature	°C 75°C		
Fan Quantity	/ 1	1	2
Fan Motor Type	/	DC	DC
Water Connection	Inch	1	
Water Pressure Drop (Max.)	kPa 20	20	64
Circulation Pump	/	DC	
Circulation Pump Water Head	M 7.5	7.5	12.5
ErP Level (35°C)	/	A+++	
Cabinet Type	/	Galvanised sheet metal + ASA	
Unit Dimensions (L x W x H)	mm 1167 x 407 x 795	1287 x 456 x 928	1250 x 540 x 1330
Shipping Dims (L x W x H)	mm 1300 x 485 x 940	1420 x 540 x 1080	1380 x 570 x 1480

# A Smarter Way to Heat For the World We Share



- ✓ **1.4 tonnes of CO<sub>2</sub>**  
saved per home, per year
- ✓ **Natural R290 refrigerant**  
with ultra-low global  
warming impact
- ✓ **Designed for long-term use,**  
reducing waste through  
durability and reliability

Around  
**70%**

lower carbon emissions  
vs traditional gas boilers

## Designed With the Environment in Mind.

Home heating is one of the largest contributors to household carbon emissions.

**GreenLine** air source heat pumps reduce reliance on fossil fuels by using renewable energy from the air to heat homes more efficiently and responsibly.

By combining high system efficiency, a natural refrigerant and long-life durable materials, **GreenLine** supports the transition to lower-carbon heating, today and for the future.

## Installation & Servicing Made Simple

**GreenLine** systems are designed for straightforward installation in both new-build and existing homes.

Every installation starts with a home assessment to ensure correct sizing, positioning and performance.

Systems are installed by **qualified engineers, fully tested and clearly explained before handover.**



Ongoing **servicing and support** are available to keep your system running efficiently for years to come



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# Smarter Heating Starts Here

**GreenLine** offers a cleaner, quieter and more efficient way to heat your home, without sacrificing comfort or reliability.

**Contact us today for Lower Bills.  
Lower Carbon and Better Living**

**Earth Save Products Ltd**

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