

#### **EMT Datasheet**

EMT-2380-1-4-ECO



This Energy Machines<sup>™</sup> model contains two oil-free centrifugal turbocompressors and a refrigerant circuit. The compressor is classified as a non-positive displacement compressor.

This model is equipped with an economizer heat exchanger, increasing its energy efficiency. The machine's evaporator and condenser are shell-and-tube heat exchangers. The evaporator operates with a flooded evaporation technique.

These components work together to create a powerful and efficient machine.



### Performance

Неа	nting	Coo	ling
Heating power	951 kW	Heating power	982 kW
Cooling power	696 kW	Cooling power	776 kW
СОР	3.73	СОР	3.77

#### **Design parameters**

Не	ating	Coo	ling
Heated fluid (in/out)	57°C / 63°C	Heated fluid (in/out)	37°C / 43°C
Chilled fluid (in/out)	12°C/7°C	Chilled fluid (in/out)	12°C / 7°C
Chilled fluid: water, Heated fluid: water			

# Pressure drop at rated flow

Heating		Cooling	
Heated fluid	34.1 kPa / 37.86 l/s	Heated fluid	38.4 kPa / 39.1 l/s
Chilled fluid	41.2 kPa / 33.25 l/s	Chilled fluid	49.9 kPa / 37.08 l/s

## Rated flow

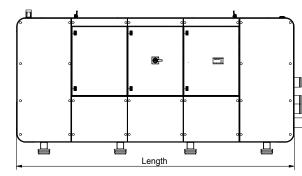
Heating		Cooling	
Heated fluid	37.86 l/s	Heated fluid	39.1 l/s
Chilled fluid	33.25 l/s	Chilled fluid	37.08 l/s

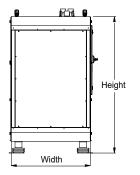
# Refrigerant

Туре	R1234ze
GWP value	1.37
Charge	N/A kg

# Dimensions

Length / Width / Height	4000 mm / 1260 mm / 1965 mm
Weight (dry/commissioned)	N/A kg / N/A kg



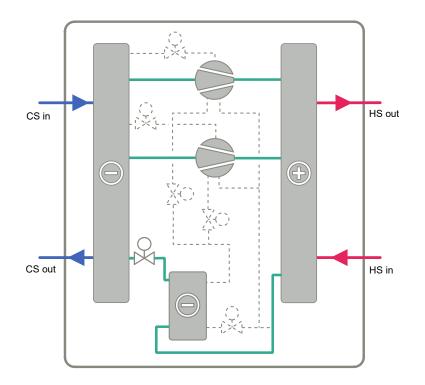




# Electricity

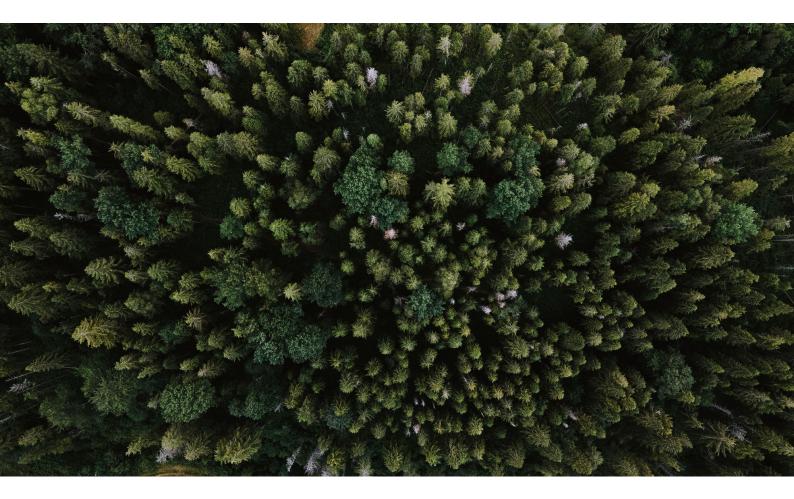
Rated power supply	400 VAC / 50 Hz / 3 phase
Rated power input	260 kW
Rated current	420 A
Fuse	500 A

## Flow diagram



Energy Machines has a policy of continuous product and data improvement and reserves the right to change design and specifications without notice. While Energy Machines strives for accuracy, we do not guarantee the completeness or correctness of the information.







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