

## EMT Datasheet

EMT-2310-1-4-ECO



This Energy Machines™ 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

Heating		Cooling	
Heating power	758 kW	Heating power	814 kW
Cooling power	578 kW	Cooling power	656 kW
COP	4.21	COP	4.14

## Design parameters

Heating		Cooling	
Heated fluid (in/out)	47°C / 53°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	32.6 kPa / 30.18 l/s	Heated fluid	38.3 kPa / 32.41 l/s
Chilled fluid	39.2 kPa / 27.62 l/s	Chilled fluid	49.0 kPa / 31.34 l/s

## Rated flow

Heating		Cooling	
Heated fluid	30.18 l/s	Heated fluid	32.41 l/s
Chilled fluid	27.62 l/s	Chilled fluid	31.34 l/s

## Electricity

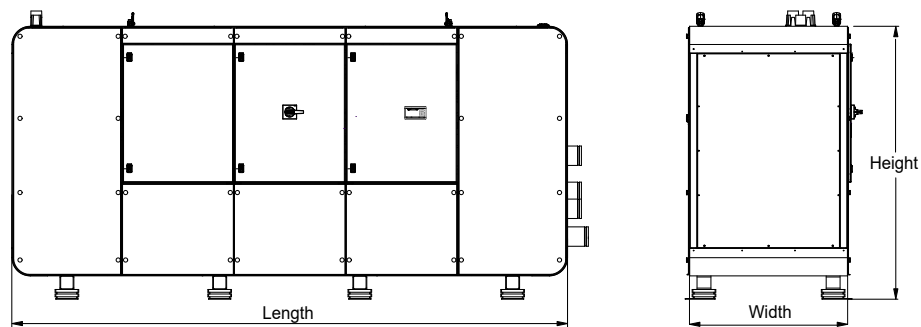
Rated power supply	400 VAC / 50 Hz / 3 phase
Rated power input	200 kW
Rated current	320 A
Fuse	400 A

## Refrigerant

Type	R1234ze
GWP value	7
Charge	n/a kg

## Dimensions

Length / Width / Height	4000 mm / 1165 mm / 1965 mm
Weight (dry/commissioned)	n/a kg / n/a kg

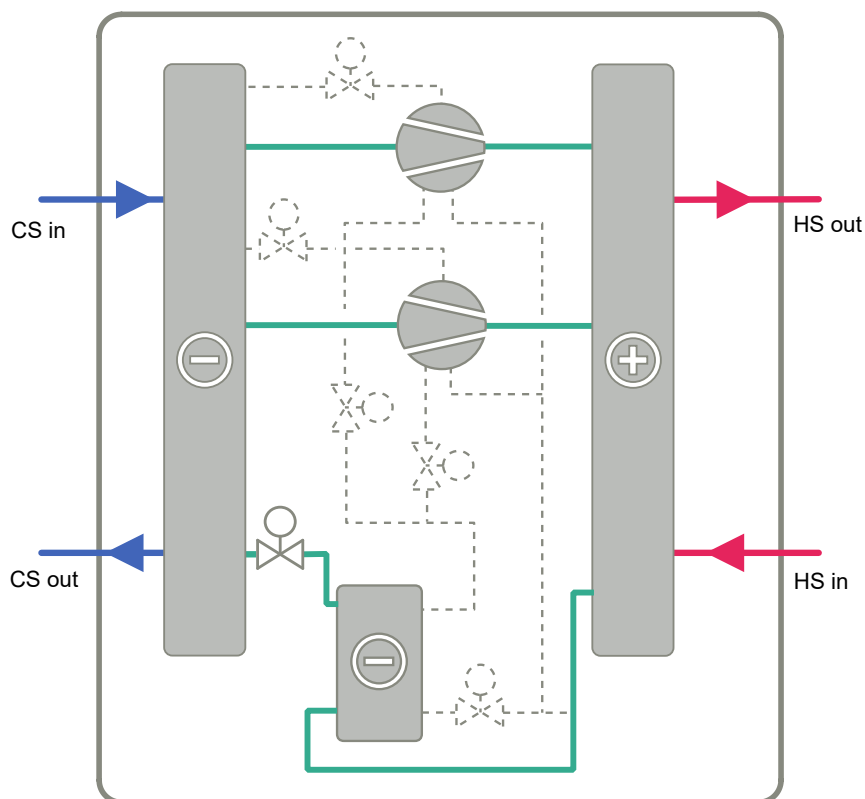


## Ventilated enclosure

Minimum airflow: n/a l/s	Pressure difference shall be $\geq 20$ Pa
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Note: The ventilation fan is not provided with the machine.

## Flow diagram



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