

# R290 Air Source Heat Pump



Hot water



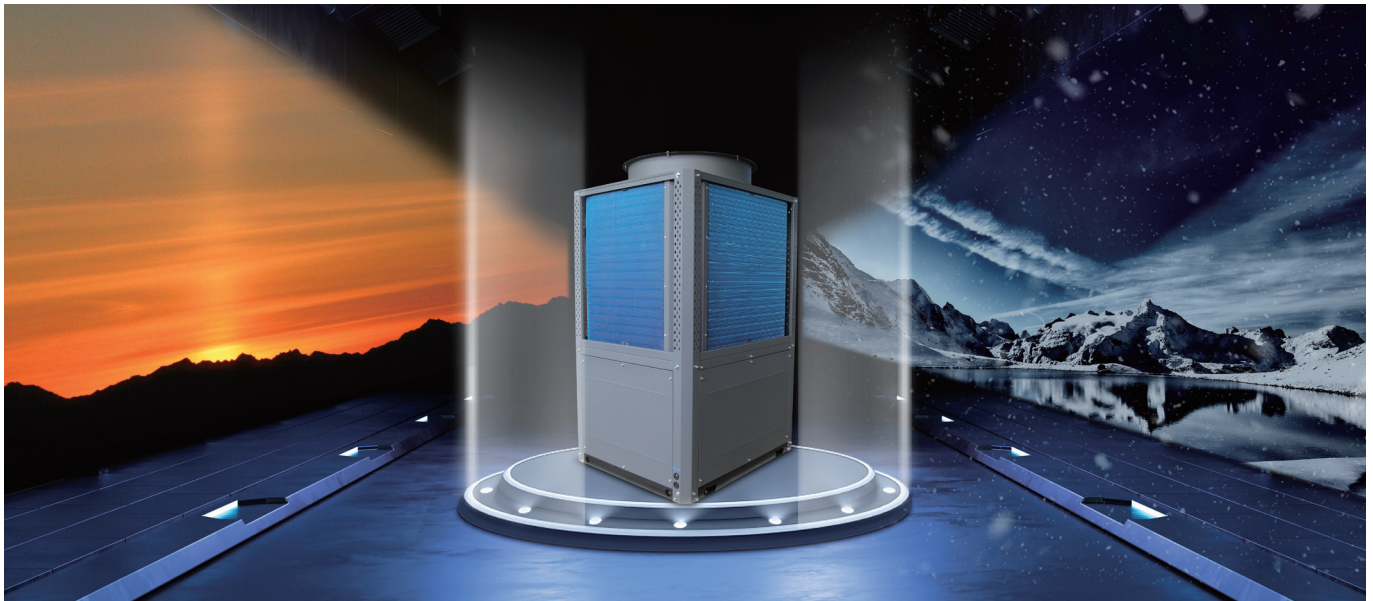
Heating



Cooling



# MAIN FEATURES



## High reliability

- Multiple operation protection
- Alternative cycle duty/defrosting operation
- Anti-corrosion protection



## EVI(Enhanced vapor injection) technology

- Adopt EVI technology, the operation ambient temperature can reach at -25 °C



## All DC Inverter

- High efficiency for energy saving
- Quick start-up and less frequent start/stop



## Convenient usage

- Intelligent climate curves adjust water temperature automatically
- Higher water temperature output up to 75 °C



## Environment friendly

- R290 refrigerant, low GWP(GWP=3)
- Less carbon emission



## Comfort

- Multiple silence modes

# APPLICATION



Hot water



Floor heating



Cooling

# TECHNICAL DATA

Model		TEPELKO ESX50	
Power Supply		V/Ph/Hz	380-415/3/50
Nominal Heating (Max) (A7/6°C,W30/35°C)	Heating Capacity	kW	17.56-50
	Power Input	kW	2.61-12.88
	Current Input	A	5.46-18.8
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating Capacity	kW	17.95-49
	Power Input	kW	3.48-17.2
	Current Input	A	7.78-26.8
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling Capacity	kW	10-35
	Power Input	kW	3.84-14.50
	Current Input	A	6.42-20.56
ERP Level (Outlet water temperature at 35°C)		/	A++
MAX. input power		kW	19.84
MAX. input current		A	30.30
Refrigerant /GWP			R290/3
Rated water flow		m <sup>3</sup> /h	8.60
Fan quantity		/	1
Fan motor type		/	DC inverter
Compressor		/	DC inverter
IP Class		/	IPX4
Sound pressure at 1m distance		dB(A)	65
Max outlet water temperature		°C	75
Water piping connections		/	DN 40 (G 1-1/2")
Water Pressure drop(max)		kPa	65
Min/Max Water Pressure		MPa	0.1/0.3
Operating temperature range (Heating mode)		°C	-25-45
Operating temperature range (Cooling mode)		°C	16-45
Unpacked Dimensions ( L×D×H )		mm	1155x990x1880
Packed Dimensions ( L×D×H )		mm	1238x1058x2033
Net Weight		kg	500
Packed Weight		kg	540



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