

MARS R290 COMMERCIAL HEAT PUMP



The Midea Mars R290 Commercial Heat Pump delivers powerful, efficient heating for light commercial applications, combining high performance with sustainable technology. With three phase capacities from 26 to 40 kW, it provides reliable output to meet demanding heating and hot water requirements.

HIGH CAPACITY PERFORMANCE

The Mars R290 Commercial heat pump is available in three phase outputs from 26 - 40kW, delivering the capacity needed to support light commercial applications.

NATURAL REFRIGERANT R290

Low GWP value = 3 (GWP: Global Warming Potential). Uses environmentally friendly propane refrigerant with ultra-low GWP. Balancing sustainability with economic performance.

POWERFUL HEATING WITH HIGH EFFICIENCY

Delivers leaving hot water temperatures of up to 85°C at -15°C ambient temperature, ensuring consistent heating and hot water comfort all year round.

ELEGANT & MODERN DESIGN

The Mars R290 features a sleek black design, making it an ideal choice for both new build and renovation projects. Its clean, premium finish integrates seamlessly into modern outdoor environments.

FLEXIBLE SYSTEM EXPANSION

Modular design allows multiple units to be combined to increase overall capacity, providing a scalable solution for larger properties and commercial applications with flexibility for future upgrades or phased installations.

ADVANCED CONTROL & CONNECTIVITY

Supplied with a coloured screen wired controller and Wi-Fi enabled controls for remote monitoring and adjustment, delivering enhanced user convenience and improved energy optimisation.

SYSTEM COMPONENTS



26/30/35/40kW



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Model			MHC-V26W/D2RN7	MHC-V30W/D2RN7	MHC-V35W/D2RN7	MHC-V40W/D2RN7
Power supply		V/Ph/Hz	380-415/3/50			
Heating (A7/W35)	Capacity	kW	26	30	35	39
	Rated input	kW	5.45	6.67	8.4	10.54
	COP			4.77	4.5	4.17
Heating (A7/W45)	Capacity	kW	26	30	35	39
	Rated input	kW	6.82	8.26	10.05	11.9
	COP			3.81	3.63	3.48
Heating (A7/W55)	Capacity	kW	26	30	35	39
	Rated input	kW	7.85	9.57	11.75	14
	COP			3.31	3.13	2.98
Cooling (A35/W18)	Capacity	kW	26	30	35	39
	Rated input	kW	5.6	6.8	8.5	9.85
	EER			4.64	4.41	4.12
Cooling (A35/W7)	Capacity	kW	26	30	32	32
	Rated input	kW	8.4	10.7	11.98	11.98
	EER			3.1	2.8	2.67
Seasonal space heating energy efficiency class	Water outlet at 35°C	class	A+++			A++
	Water outlet at 55°C	class	A+++	A++		
Refrigerant	Type(GWP)		R290			
	Charged volume	Kg	2.9			
Sound power level		dB	69	74	75	78
Unit dimensions (W×H×D)		mm	1384x1816x523			
Packing dimensions (W×H×D)		mm	1480x2000x570			
Net/Gross weight		Kg	260/280			
Water side heat exchange			Plate type			
Water pump	Max. pump head	m	12			
Water side connection		mm	G5/4" BSP			
Outdoor air temperature range	Cooling	°C	-15 - 48			
	Heating	°C	-25 - 43			
	DHW (tank)	°C	-25 - 43			
Water temperature	Cooling	°C	5 - 25			
	Heating	°C	25 - 85			
	DHW (tank)	°C	20 - 75			