

1. Specifications

Model			EACV-M1500YCL(-N)(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	150.00
		kcal/h	129,000
		BTU/h	511,800
	Power input	kW	44.73
	EER		3.35
	IPLV *4		6.42
	Water flow rate	m³/h	25.8
Cooling capacity(EN14511) *2		kW	149.18
		kcal/h	128,295
		BTU/h	509,002
	Power input	kW	45.55
	EER		3.28
	SEER		5.52
	ηsc	%	217.8
	Water flow rate	m³/h	25.8
Current input	Cooling current 380-400-415V *1	A	76 - 72 - 69
	Maximum current	A	120
Water pressure drop *1	Standard piping	kPa	56
	Inside header piping	kPa	134
Temp range	Cooling	°C	Outlet water 4~30 *5
		°F	Outlet water 39.2~86 *5
	Outdoor	°C	-15~52 *5
		°F	5~125.6 *5
Circulating water volume range		m³/h	12.9~45.0
Sound pressure level (measured in anechoic room) at 1m *1 *6		dB (A)	65
Sound power level (measured in anechoic room) *1		dB (A)	83
Diameter of water pipe (Standard piping)	Inlet	mm (in)	65A (2 1/2B) housing type joint
	Outlet	mm (in)	65A (2 1/2B) housing type joint
Diameter of water pipe (Inside header piping)	Inlet	mm (in)	150A (6B) housing type joint
	Outlet	mm (in)	150A (6B) housing type joint
External finish			Polyester powder coating steel plate
External dimension H × W × D		mm	2350 × 3400 × 1080
Net weight	Standard piping	kg (lbs)	1039 (2291)
	Inside header piping	kg (lbs)	1067 (2352)
Design pressure	R32	MPa	4.15
	Water	MPa	1.0
Heat exchanger	Water side		Stainless steel plate and copper brazing
	Air side		Salt-resistant corrugated fin & aluminium micro channel
Compressor	Type		Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter
	Quantity		4
	Motor output	kW	11.5 × 4
	Lubricant		MEL46EH
Fan	Air flow rate	m³/min	270 × 4
		L/s	4500 × 4
		cfm	9534 × 4
	Type, Quantity		Propeller fan × 4
	Starting method		Inverter
	Motor output	kW	0.92 × 4
	External static pressure	Pa	20
Protection	High pressure protection		High pressure sensor & High pressure switch at 4.15MPa (601psi)
	Inverter circuit		Over-heat protection, Over current protection
	Compressor		Over-heat protection
Refrigerant	Type × charge		R32 × 4.7 (kg) × 4 *3
	Control		LEV

Notes:

*1 Under normal cooling conditions at outdoor temp 35°CDB/24°CWB (95°FDB/75.2°FWB) outlet water temp 7°C (44.6°F) inlet water temp 12°C (53.6°F). Pump input is not included in cooling capacity and power input.

*2 Under normal cooling conditions at outdoor temp 35°CDB/24°CWB (95°FDB/75.2°FWB) outlet water temp 7°C (44.6°F) inlet water temp 12°C (53.6°F). Pump input is included in cooling capacity and power input based on EN14511.

*3 Amount of factory-charged refrigerant is 2.95 (kg) × 4. Please add the refrigerant at the field.

*4 IPLV is calculated in accordance with AHRI 551-591.

*Please don't use the steel material for the water piping.

*Please always make water circulate, or pull the circulation water out completely when not in use.

*Please do not use groundwater or well water in direct.

*The water circuit must be closed circuit.

*Due to continuous improvement, the above specifications may be subject to change without notice.

*This model doesn't equip with a pump.

*5 Please refer to 7-6. Operation temperature range.

*6 This value is not certified by Eurovent.

Unit converter

kcal/h	= kW × 860
BTU/h	= kW × 3,412
lbs	= kg/0.4536
cfm	= m ³ /min × 35.31

1. Specifications

Model			EACV-M1800YCL(-N)(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	180.00
		kcal/h	154,800
		BTU/h	614,160
	Power input	kW	57.02
	EER		3.16
	IPLV *4		6.31
	Water flow rate	m³/h	31.0
Cooling capacity(EN14511) *2		kW	178.80
		kcal/h	153,768
		BTU/h	610,066
	Power input	kW	58.22
	EER		3.07
	SEER		5.36
	ηsc	%	211.4
	Water flow rate	m³/h	31.0
Current input	Cooling current 380-400-415V *1	A	96 - 91 - 88
	Maximum current	A	120
Water pressure drop *1	Standard piping	kPa	79
	Inside header piping	kPa	190
Temp range	Cooling	°C	Outlet water 4~30 *5
		°F	Outlet water 39.2~86 *5
	Outdoor	°C	-15~52 *5
		°F	5~125.6 *5
Circulating water volume range		m³/h	12.9~45.0
Sound pressure level (measured in anechoic room) at 1m *1 *6		dB (A)	67
Sound power level (measured in anechoic room) *1		dB (A)	85
Diameter of water pipe (Standard piping)	Inlet	mm (in)	65A (2 1/2B) housing type joint
	Outlet	mm (in)	65A (2 1/2B) housing type joint
Diameter of water pipe (Inside header piping)	Inlet	mm (in)	150A (6B) housing type joint
	Outlet	mm (in)	150A (6B) housing type joint
External finish			Polyester powder coating steel plate
External dimension H × W × D		mm	2350 × 3400 × 1080
Net weight	Standard piping	kg (lbs)	1039 (2291)
	Inside header piping	kg (lbs)	1067 (2352)
Design pressure	R32	MPa	4.15
	Water	MPa	1.0
Heat exchanger	Water side		Stainless steel plate and copper brazing
	Air side		Salt-resistant corrugated fin & aluminium micro channel
Compressor	Type		Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter
	Quantity		4
	Motor output	kW	11.5 × 4
	Lubricant		MEL46EH
Fan	Air flow rate	m³/min	270 × 4
		L/s	4500 × 4
		cfm	9534 × 4
	Type, Quantity		Propeller fan × 4
	Starting method		Inverter
	Motor output	kW	0.92 × 4
	External static pressure	Pa	20
Protection	High pressure protection		High pressure sensor & High pressure switch at 4.15MPa (601psi)
	Inverter circuit		Over-heat protection, Over current protection
	Compressor		Over-heat protection
Refrigerant	Type × charge		R32 × 4.7 (kg) × 4 *3
	Control		LEV

Notes:

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Unit converter

kcal/h	= kW × 860
BTU/h	= kW × 3,412
lbs	= kg/0.4536
cfm	= m ³ /min × 35.31

1. Specifications

Model			EACV-M2000YCL(-N)(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	200.00
		kcal/h	172,000
		BTU/h	682,400
	Power input	kW	66.66
	EER		3.00
	IPLV *4		6.19
	Water flow rate	m³/h	34.4
Cooling capacity(EN14511) *2		kW	198.45
		kcal/h	170,667
		BTU/h	677,111
	Power input	kW	68.21
	EER		2.91
	SEER		5.18
	ηsc	%	204.2
	Water flow rate	m³/h	34.4
Current input	Cooling current 380-400-415V *1	A	113 - 107 - 103
	Maximum current	A	135
Water pressure drop *1	Standard piping	kPa	96
	Inside header piping	kPa	231
Temp range	Cooling	°C	Outlet water 4~30 *5
		°F	Outlet water 39.2~86 *5
	Outdoor	°C	-15~52 *5
		°F	5~125.6 *5
Circulating water volume range		m³/h	12.9~45.0
Sound pressure level (measured in anechoic room) at 1m *1 *6		dB (A)	69
Sound power level (measured in anechoic room) *1		dB (A)	87
Diameter of water pipe (Standard piping)	Inlet	mm (in)	65A (2 1/2B) housing type joint
	Outlet	mm (in)	65A (2 1/2B) housing type joint
Diameter of water pipe (Inside header piping)	Inlet	mm (in)	150A (6B) housing type joint
	Outlet	mm (in)	150A (6B) housing type joint
External finish			Polyester powder coating steel plate
External dimension H × W × D		mm	2350 × 3400 × 1080
Net weight	Standard piping	kg (lbs)	1039 (2291)
	Inside header piping	kg (lbs)	1067 (2352)
Design pressure	R32	MPa	4.15
	Water	MPa	1.0
Heat exchanger	Water side		Stainless steel plate and copper brazing
	Air side		Salt-resistant corrugated fin & aluminium micro channel
Compressor	Type		Inverter scroll hermetic compressor
	Maker		MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter
	Quantity		4
	Motor output	kW	13.9 × 4
	Lubricant		MEL46EH
Fan	Air flow rate	m³/min	270 × 4
		L/s	4500 × 4
		cfm	9534 × 4
	Type, Quantity		Propeller fan × 4
	Starting method		Inverter
	Motor output	kW	0.92 × 4
	External static pressure	Pa	20
Protection	High pressure protection		High pressure sensor & High pressure switch at 4.15MPa (601psi)
	Inverter circuit		Over-heat protection, Over current protection
	Compressor		Over-heat protection
Refrigerant	Type × charge		R32 × 4.7 (kg) × 4 *3
	Control		LEV

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