1. Product Specifications

Model			EACV-M1800YCL(-N)(-BS)
Power source			3-phase 4-wire 380-400-415V 50/60Hz
Cooling capacity *1		kW	180.00
0 , ,			154,800
		BTU/h	614,160
	Power input	kW	57.02
	EER		3.16
	IPLV *4		6.31
	Water flow rate	m ³ /h	31.0
Cooling capacity(EN14511		kW	178.80
Cooling capacity(LIV14311	1) 2	kcal/h	153,768
		BTU/h	
	Davier innut	kW	610,066 58.22
	Power input	KVV	
	EER		3.07
	Eurovent efficiency class		В
	SEER		5.36
	ηsc	%	211.4
	Water flow rate	m ³ /h	31.0
Current input	Cooling current 380-400-415V *1	Α	96 - 91 - 88
	Maximum current	Α	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 ra		m ³ /h	12.9~43.0
Sound pressure level (mea	asured in anechoic room) at 1m *1	dB (A)	67
Sound power level (measu	ured in anechoic room) *1	dB (A)	85
Diameter of water pipe	Inlet	mm (in)	65A (2 1/2B) housing type joint
(Standard piping)	Outlet	mm (in)	65A (2 1/2B) housing type joint
Diameter of water pipe	Inlet	mm (in)	150A (6B) housing type joint
(Inside header piping)	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)
Trot Trongini	Inside header piping	kg (lbs)	1067 (2352)
Design pressure	R32	MPa	4.15
2 colgi: procedic	Water	MPa	1.0
Heat exchanger	Water side		Stainless steel plate and copper brazing
riout exonanger	Air side		Salt-resistant corrugated fin & aluminium micro channel
Compressor	Туре		Inverter scroll hermetic compressor
Compressor	Naker		MITSUBISHI ELECTRIC CORPORATION
	Starting method Quantity		Inverter 4
		1344	·
	Motor output	kW	11.5 × 4
	Lubricant		MEL46EH
Fan	Air flow rate	m ³ /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
	1		

Notes:		Unit converter
*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)	kcal/h	= kW × 860
inlet water temp 12°C (53.6°F). Pump input is not included in cooling capacity and power input.	BTU/h	$= kW \times 3,412$
*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.	Ibs	= kg/0.4536
*3 Amount of factory-charged refrigerant is 2.95 (kg) × 4. Please add the refrigerant at the field.	cfm	= m ³ /min × 35.31
*4 IPLV is calculated in accordance with AHRI 551-591.	[5	,
*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 2-1-6. Operation temperature range.		