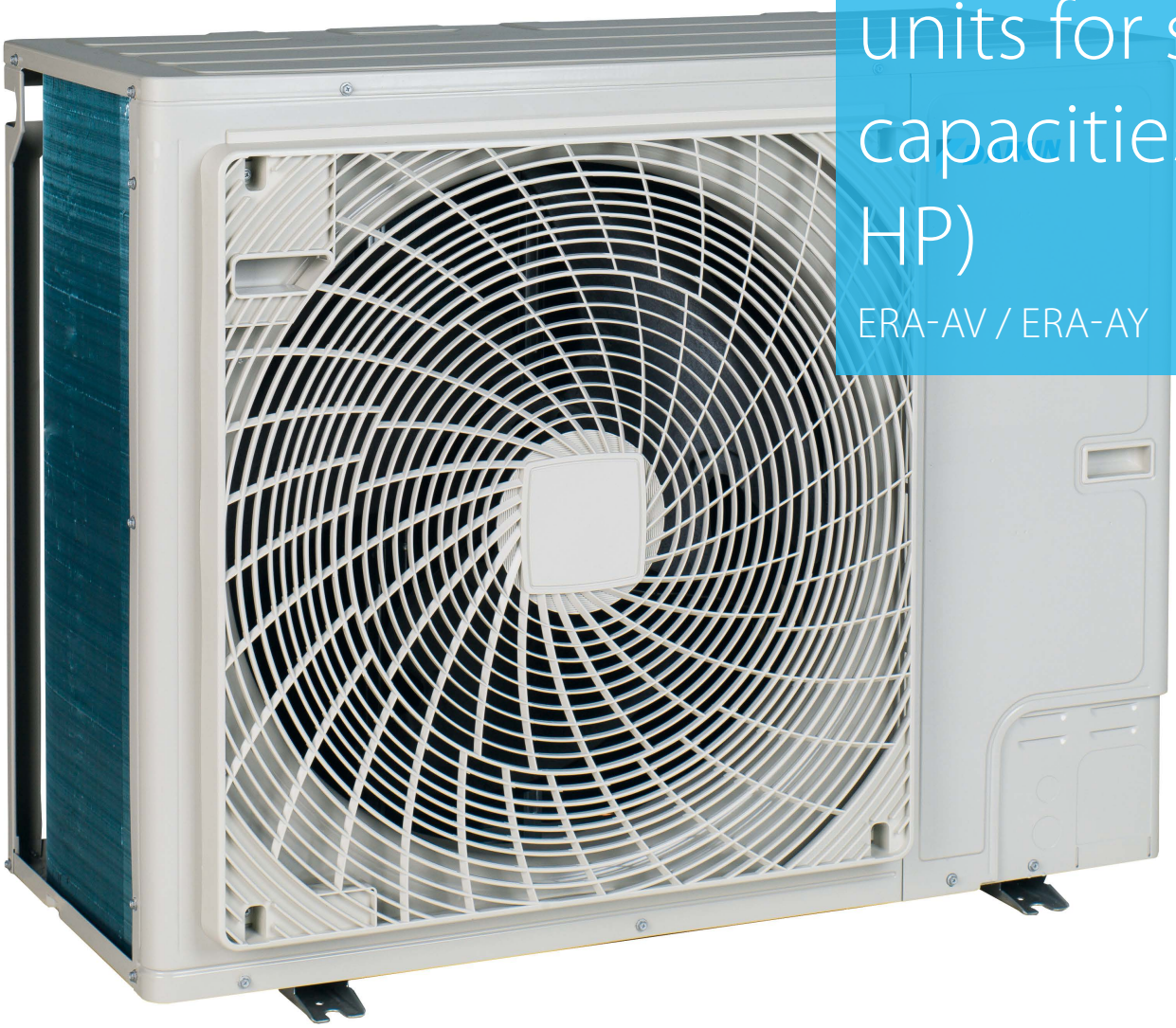
1 phase condensing units for smaller capacities (4-6 HP)

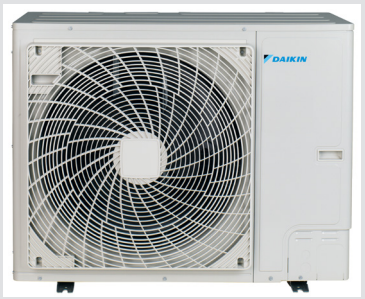
ERA-AV / ERA-AY



Condensing unit range connectable to Air Curtains and Direct Expansion (DX) Air Handling

- Use of lower GWP R-32 refrigerant
- Immediate heating and cooling
- Better management of load due to VRV technology
- Continuous Heating: Avoid cold drafts during defrost cycle
- Benefit from the high efficiency and fast response time of ERA units for changing loads
- Energy saving due to inverter technology

ERA-AV / ERA-AY



ERA-AV_AY_Front

Outdoor unit			ERA/ERA	100AV	125AV	140AV	100AY	125AY	140AY
Dimensions	Unit	HeightxWidthxDepth	mm	869 x1,100 x460					
Weight	Unit		kg	102					
Fan	External static pressure	Max.	Pa	45					
Sound power level	Cooling	Nom.	dBA	67.0 (1)	68.1 (1)	69.0 (1)	67.0 (1)	68.1 (1)	69.0 (1)
Sound pressure level	Cooling	Nom.	dBA	49.0 (2)	51.0 (2)		49.0 (2)	51.0 (2)	
Operation range	Cooling	Min.~Max.	°CDB	-5 ~46					
	Heating	Min.~Max.	°CWB	-20 ~15.5					
Refrigerant	Type/GWP			R-32/675					
	Charge		kg / tCO2Eq	3.4 / 2.3					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50 /220-240			3N~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	32 (3)			16 (3)		

Outdoor unit			ERA/ERA	100AV	125AV	140AV	100AY	125AY	140AY
Capacity range			HP	-					
Cooling capacity	Prated,c		kW	-					
Heating capacity	Prated,h		kW	-					
	Max.	6°CWB	kW	14.2 (4)	16.0 (4)	18.0 (4)	14.2 (4)	16.0 (4)	18.0 (4)
Recommended combination				-					
ηs,c			%	-					
ηs,h			%	-					
SEER				-					
SCOP				-					
Indoor index connection	Min.			63	100		63	100	
	Nom.			-					
	Max.			100	125	140	100	125	140
Dimensions	Unit	HeightxWidthxDepth	mm	869 x1,100 x460					
Weight	Unit		kg	102					
Sound power level	Cooling	Nom.	dBA	67.0 (1)	68.1 (1)	69.0 (1)	67.0 (1)	68.1 (1)	69.0 (1)
Sound pressure level	Cooling	Nom.	dBA	49.0 (2)	51.0 (2)		49.0 (2)	51.0 (2)	
Operation range	Cooling	Min.~Max.	°CDB	-5 ~46					
	Heating	Min.~Max.	°CWB	-20 ~15.5					
Refrigerant	Type/GWP			R-32/675					
	Charge		kg / tCO2Eq	3.4 / 2.3					
Piping connections	Liquid	OD	mm	9.52					
	Gas	OD	mm	15.9					
	Total piping length	System Actual	m	50 (5)					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50 /220-240			3N~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	32 (3)			16 (3)		

Outdoor unit			ERA/ERA	100AV	125AV	140AV	100AY	125AY	140AY
Capacity range			HP	-					
Cooling capacity	Prated,c		kW	-					
Heating capacity	Prated,h		kW	-					
	Max.	6°CWB	kW	14.2 (4)	16.0 (4)	18.0 (4)	14.2 (4)	16.0 (4)	18.0 (4)
Recommended combination				-					
ηs,c			%	-					
ηs,h			%	-					
SEER				-					
SCOP				-					
Indoor index connection	Min.			63	100		63	100	
	Nom.			-					
	Max.			100	125	140	100	125	140
Sound power level	Cooling	Nom.	dBA	67.0 (1)	68.1 (1)	69.0 (1)	67.0 (1)	68.1 (1)	69.0 (1)
	Heating	Nom.	dBA	68.0 (1)	69.2 (1)	70.0 (1)	68.0 (1)	69.2 (1)	70.0 (1)
Sound pressure level	Cooling	Nom.	dBA	49.0 (2)	51.0 (2)		49.0 (2)	51.0 (2)	

Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	15.9	
	Total piping length	System	Actual	m	50 (5)	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240	3N~/50 /380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	32 (3)	16 (3)

(1) Sound power level is an absolute value that a sound source generates. | (2) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). | (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m | (5) Refer to refrigerant pipe selection or installation manual | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m | RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB | MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always ≤ max. running current. | In accordance with EN/IEC 61000-3-12, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply wih Ssc ≥ minimum Ssc value | MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current. | TOCA means the total value of each OC set. | FLA means the nominal running current of the fan | For AHU HEX volume limitations, refer to the engineering data book or installation manual .. | For detailed contents of standard accessories, see installation/operation manual

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