

Specifications Table for ERA-AV

				ERA100A7V1B	ERA125A7V1B	ERA140A7V1B
Cooling capacity	Nom.	35°CDB	kW	12.1 (1)	14	15.5 (1)
Heating capacity	Nom.	6°CWB	kW	12.1 (2)	14	15.5 (2)
SEER				8.2 (3)	7.7 (3)	7.6 (3)
SCOP				5.1 (3)	4.7 (3)	4.7 (3)
Indoor index connection	Min.			63	100	100
	Max.			100	125	140
Dimensions	Unit	Height	mm	869	869	869
		Width	mm	1100	1100	1100
		Depth	mm	460	460	460
Weight	Unit		kg	102	102	102
Fan	External static pressure	Max.	Pa	45	45	45
Compressor	Type			Hermetically sealed swing compressor	Hermetically sealed swing compressor	Hermetically sealed swing compressor
Operation range	Cooling	Min.	°CDB	-5	-5	-5
		Max.	°CDB	46	46	46
	Heating	Min.	°CWB	-20	-20	-20
		Max.	°CWB	15.5	15.5	15.5
Sound power level	Cooling	Nom.	dBA	67	68.1 (4)	69
Sound pressure level	Cooling	Nom.	dBA	49	51	51
Refrigerant	Type			R-32	R-32	R-32
	GWP			675	675	675
	Charge		tCO ₂ Eq	2.3	2.3	2.3
	Charge		kg	3.4	3.4	3.4
Piping connections	Liquid	Type		Braze connection	Braze connection	Braze connection

			OD	mm	9.52	9.52	9.52
	Gas		Type		Braze connection	Braze connection	Braze connection
			OD	mm	15.9	15.9	15.9
	Total piping length	System	Actual	m	50 (6)	50 (6)	50 (6)
	Level difference	OU - IU	Outdoor unit in highest position	m	50	50	50
			Indoor unit in highest position	m	40	40	40
Standard Accessories	Auxiliary piping set				1	1	1
	Installation and operation manual				1	1	1
Power supply	Name				V1	V1	V1
	Phase				1~	1~	1~
	Frequency			Hz	50	50	50
	Voltage			V	220-240	220-240	220-240
Notes					(1) - Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m	(1) - Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m	(1) - Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m
					(2) - Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m	(2) - Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m	(2) - Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m
					(3) - Defined for a system capacity ratio of 100% ± 5%, configured for complete air recirculation applications.	(3) - Defined for a system capacity ratio of 100% ± 5%, configured for complete air recirculation applications.	(3) - Defined for a system capacity ratio of 100% ± 5%, configured for complete air recirculation applications.
					(4) - Sound power level is an absolute value that a sound source generates.	(4) - Sound power level is an absolute value that a sound source generates.	(4) - Sound power level is an absolute value that a sound source generates.

	(5) - Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.	(5) - Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.	(5) - Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.
	(6) - Refer to refrigerant pipe selection or installation manual	(6) - Refer to refrigerant pipe selection or installation manual	(6) - Refer to refrigerant pipe selection or installation manual
	(7) - RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB	(7) - RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB	(7) - RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
	(8) - MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always $\leq$ max. running current.	(8) - MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always $\leq$ max. running current.	(8) - MSC means the maximum current during start up of the compressor. This unit uses only inverter compressors. Starting current is always $\leq$ max. running current.
	(9) - 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 with $S_{sc} \geq$ minimum S_{sc} value	(9) - 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 with $S_{sc} \geq$ minimum S_{sc} value	(9) - 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 with $S_{sc} \geq$ minimum S_{sc} value
	(10) - MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current.	(10) - MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current.	(10) - MCA must be used to select the correct field wiring size. The MCA can be regarded as the maximum running current.
	(11) - MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).	(11) - MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).	(11) - MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).

	(12) - TOCA means the total value of each OC set.	(12) - TOCA means the total value of each OC set.	(12) - TOCA means the total value of each OC set.
	(13) - FLA means the nominal running current of the fan	(13) - FLA means the nominal running current of the fan	(13) - FLA means the nominal running current of the fan
	(14) - For AHU HEX volume limitations, refer to the engineering data book or installation manual	(14) - For AHU HEX volume limitations, refer to the engineering data book or installation manual	(14) - For AHU HEX volume limitations, refer to the engineering data book or installation manual
	(15) - For detailed contents of standard accessories, see installation/operation manual	(15) - For detailed contents of standard accessories, see installation/operation manual	(15) - For detailed contents of standard accessories, see installation/operation manual

