



-20°C 0°C



CONDENSING UNITS

SILENT CONDENSING UNITS

ECI

R-449A



Silent Condensing Units for split systems with small and medium volume cold storage rooms, in medium and low temperature applications.

GENERAL CHARACTERISTICS

- Pre-charged with nitrogen.
- Prepared for R-449A (other refrigerants on request).
- Scroll compressor (three-phase).
- Hermetic compressor (single-phase).
- Compressors located in a soundproofed compartment separated from the air flow.
- Liquid injection in low temperature equipment.
- Oversized condenser coil with low speed fans.
- Condensation control by pressure switch (series 100 - 200).
- Electrical power switchboard and integrated manoeuvring.
- Magneto-thermal protection (for three-phase).
- Fan speed variation by condensing pressure control (series 300 - 400).

OPTIONS

- Winter Kit.
- Electronic controller with fan-control relays, solenoid coil, resistors, chamber temperature and defrost probes, with 10 m of electrical interconnections and a 3 m connection hose.
- Voltage protector (single-phase version).
- Time control.
- Humidifier external to the equipment and control.
- Oil separator (except serie 100).
- Anti-corrosive treatment for the condenser unit furniture.
- Anti-corrosion treatment on condenser coil.
- Monitoring and control system. See page 69.



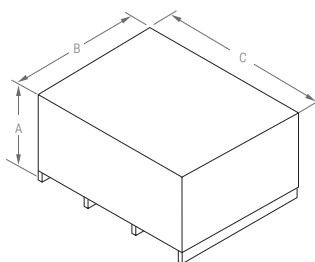
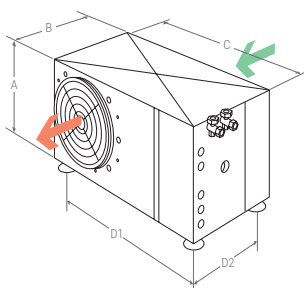
0 °C -5 °C ÷ 10 °C		Refrigera- tion capacity	°C EXT	°C EXT		Compressor		Nominal consump- tion	Max. load current	(COP) SEPR	Liq	Suct	R-449A	Flow Condens.	Noise level	Weight
Series	Model	W	m³	m³		HP	kW	A	A					m³/h	dBA	kg
100	ECI1007M1X	1.340	12	9	230/1/50	3/4	0,5	3,9	5,2	(2,38)	3/8	1/2	NITROGEN	730	25	40
200	ECI2010M1X	1.975	20	17	230/1/50	1 1/4	0,9	6,4	8,6	(1,9)	3/8	5/8		1.040	28	57
300	ECI3020M5X	3.540	40	35	400/3/50	2	1,5	3,7	5,2	(2,04)	3/8	3/4		1.590	30	70
400	NEW ECI4025M5X	4.250	65	50	400/3/50	2 1/2	1,7	4,65	7,45	(2,1)	1/2	3/4		2.900	30	70
	ECI4030M5X	4.950	86	67	400/3/50	3	2,2	4,95	7,55	2,93	1/2	3/4		3.220	32	78
500	NEW ECI5040M5X	7.400	135	105	400/3/50	4	3	6,25	10,55	3,06	1/2	7/8		4.540	32	120

-20 °C -25 °C ÷ -15 °C		Refrigera- tion capacity	°C EXT	°C EXT		Compressor		Nominal consump- tion	Max. load current	(COP) SEPR	Liq	Suct	R-449A	Flow Condens.	Noise level	Weight
Series	Model	W	m³	m³		HP	kW	A	A					m³/h	dBA	kg
100	ECI1010L1X	950	6	4	230/1/50	1	0,7	3,7	5,3	(1,4)	3/8	5/8	NITROGEN	730	28	43
200	ECI2015L1X	1.280	9	6	230/1/50	1 1/2	1,1	5	7,9	(1,05)	3/8	5/8		1.040	30	70
300	ECI3020L5X	1.790	22	15	400/3/50	2	1,5	3,9	5,3	(1,13)	3/8	3/4		1.590	32	76
400	ECI4030L5X	2.775	35	28	400/3/50	3	2,2	4,9	10,55	1,6	1/2	3/4		3.220	32	90
	ECI4040L5X	3.425	52	40	400/3/50	4	2,9	7,05	12,75	1,6	1/2	3/4		3.220	32	90
500	NEW ECI5050L5X	4.325	76	56	400/3/50	5	3,7	7,75	15,15	1,6	1/2	7/8		4.540	32	190
	NEW ECI5060L5X	5.300	111	77	400/3/50	6	4,5	9,75	19,05	1,6	1/2	1 1/8		4.540	32	200

DIMENSIONS

COND.					
Series	A	B	C	D1	D2
100	405	470	755	338	385
200	500	590	940	570	490
300	500	620	955	570	490
400	665	670	1.030	455	570
500	915	750	1.050	480	630

U.C + EMB./PACK..				
Series	A	B	C	kg
100	785	480	420	60
200	766	640	985	75
300	766	640	985	90
400	1.126	740	1.070	120
500	1.136	1.000	1.350	180



REFRIGERATOR SCHEME

VAC:
AC valve

TP:
Pressure tapping (when not
equipped with AC valve)

PB:
Low pressure control

PA:
High pressure control

CP:
Compressor

CD:
Condenser

CV:
Fan speed controller
(Series 300-400)

RL:
Liquid container

FS:
Filter dryer

VL:
Liquid sight glass

