

kide**SPLIT****-20 °C****0 °C****SILENT****COMMERCIAL EQUIPMENT****SILENT SPLIT****ESS**

Silent commercial split refrigeration units for small and medium volume cold storage rooms in medium and low temperature applications.

**R-449A****GENERAL CHARACTERISTICS**

- Pre-charged with refrigerant R-449A (Max. length 10 m).
- Scroll compressor in the three-phase units soundproof compartment and separated from the air flow.
- Hermetic compressor on single phase units.
- Low temperature with liquid injection in scroll compressor units.
- Oversized condenser coil with low speed fans.
- Service valves (Series 100 - 200 - 300).
- Liquid receiver.
- Ceramic filter dryer.
- Liquid sight glass.
- High and low pressure switch.
- Condensation control by pressure switch.
- Probe alert "dirty condenser".
- Thermostatic expansion valve in the evaporator.
- Solenoid valve in the evaporator.
- Automatic defrosting by heating element.
- Draiante heating element in low T^a (2 m).
- Ceiling type evaporator with nitrogen (Series 100 - 200 - 300).
- Cubic evaporator with nitrogen (Series 400 - 500).
- Electrical supply cable (3 m) (Series 100 - 200 - 300).
- Electrical interconnection (2) evaporator (10 m) (Series 100 - 200 - 300).
- Remote multifunctional electronic control (5 m) (Series 100 - 200 - 300).
- Cable for light (3 m) (Series 100-200-300).
- Voltage protector.
- Magneto thermic protection (three-phase units).
- Liquid injection in 400-500 series.

OPTIONS

- Winter Kit.
- Rotation / failure system for two units.
- Synchronized defrost system for two units.
- Anti-corrosion treatment on condenser / evaporator coil.
- Oil separator (except serie 100).
- Voltage protector (single-phase version).
- Time control.
- Humidifier external to the equipment and control (cooling).
- Cubic evaporator (100-200-300 series).
- Other voltages and 60 Hz. Request.
- Anti-corrosive treatment for the condenser unit furniture
- Monitoring and control system. See page 69.

ELECTRONIC CONTROLLER

KIDE-Split units incorporate the advanced XW60K-2DI electronic controller as standard.

- Temperature control with maximum and minimum temperature recordings.
- "Jet Cool" function for rapid cooling
- Intelligent defrost.

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CALCULATION BASIS - Pag. 168

0 °C -5 °C ÷ 10 °C		Refrigeration capacity	°C EXT	°C EXT		Compressor		Model UC.	Liq	Suct	R-449A	Nominal consumption	Max. load current	Evap. model	Flow	Noise level	Weight
Series	Model	W	m³	m³		HP	kW				kg	A	A		m³/h	dBA	kg
100	ESS1007M1X	1.340	12	9	230/1/50	3/4	0,5	ECS1007M1X	3/8	1/2	<2	4,3	5,7	EEC3001M1X	1.000	25	60
200	ESS2010M1X	1.975	20	17	230/1/50	1 1/4	0,9	ECS2010M1X	3/8	5/8	<2,5	7,4	9,6	EEC3022M1X	2.000	28	85
300	ESS3020M5X	3.540	45	37	400/3/50	2	1,5	ECS3020M5X	3/8	3/4	<4	5,2	8,9	EEC3003M1X	3.000	30	110
400	ESS4025M5X	4.250	65	50	400/3/50	2 1/2	1,7	ECS4025M5X	1/2	3/4	<5	5,4	8,5	EEC2206M1X	3.200	32	150
	ESS4030M5X	4.950	86	67	400/3/50	3	2,2	ECS4030M5X	1/2	3/4	<5	6,4	8,6	EEC2236M1X	5.490	32	155
500	ESS5040M5X	7.400	135	105	400/3/50	4	3	ECS5040M5X	1/2	7/8	<5,5	7,3	12	EEC2316M1X	5.600	32	180



If the equipment is to operate in a working range between 0 and -5 °C, it will be necessary to include a drain resistor. (Consult the technical office).

-20 °C -25 °C ÷ -15 °C		Refrigeration capacity	°C EXT	°C EXT		Compressor		Model UC.	Liq	Suct	R-449A	Nominal consumption	Max. load current	Evap. model	Flow	Noise level	Weight
Series	Model	W	m³	m³		HP	kW				kg	A	A		m³/h	dBA	kg
100	ESS1010L1X	950	6	5	230/1/50	1	0,7	ECS1010L1X	3/8	5/8	<2	4,7	6,3	EEC3001L1X	1.300	28	60
200	ESS2015L1X	1.280	11	8	230/1/50	1 1/2	1,1	ECS2015L1X	3/8	5/8	<2,5	6,5	9,4	EEC3002L1X	3.000	30	90
300	ESS3020L5X	1.790	22	15	400/3/50	2	1,5	ECS3020L5X	3/8	3/4	<4	5,5	7,8	EEC3003L1X	4.000	32	115
400	ESS4030L5X	2.775	35	28	400/3/50	3	2,2	ECS4030L5X	1/2	3/4	<5	6,5	11,6	EEC2156L1X	3.670	32	155
	ESS4040L5X	3.425	52	40	400/3/50	4	2,9	ECS4040L5X	1/2	3/4	<5	8,6	13,8	ECC2206L1X	5.490	32	160
500	ESS5050L5X	4.325	76	56	400/3/50	5	3,7	ECS5050L5X	1/2	7/8	<5,5	9,8	16,7	EEC2236L1X	5.490	32	170
	ESS5060L5X	5.300	111	77	400/3/50	6	4,5	ECS5060L5X	1/2	1 1/8	<5,5	11,5	20,5	EEC2316L1X	5.600	32	200

DIMENSIONS

COND.						EVAP.				
Series	A	B	C	D1	D2	Model	A	B	C	D1
100	405	460	755	338	390	1L	210	425	920	670
						1M	250	500	820	570
200	500	570	950	570	500	2L	250	500	1.310	1.050
						2M	250	500	1.200	950
300	500	610	955	570	500	3L	280	500	1.890	1.620
						3M	280	500	1.690	1.420
400	665	670	1.030	445	570	L403	440	450	1.145	925
						L404	440	450	1.595	1.375
						M425-30	440	450	1.145	1.375
500	915	750	1.050	480	630	L505	440	450	1.595	1.375
						L506	565	490	1.565	1.345
						M5	565	490	1.565	1.345

U.C + EMB./PACK.				EVAP.+EMB./PACK.			
Series	A	B	C	kg	Model	A	B
100	785	480	420	60	1L	300	530
					1M	300	530
200	876	640	985	75	2L	300	530
					2M	300	530
300	876	640	985	90	3L	330	535
					3M	330	535
400	1.126	740	1.070	130	L403	530	530
					L404	530	530
					M425-30	530	530
500	1.136	1.000	1.350	180	L505	530	530
					L507	655	570
					M5	655	570

