

kide**SPLIT****-20 °C****0 °C****COMMERCIAL EQUIPMENT****SPLIT****ESC**

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

**GENERAL CHARACTERISTICS**

- Pre-charged with refrigerant (Max. length 10 m).
- Hermetic compressor.
- Service valves (Series 100 - 200 - 300).
- Safety valve (Serie 500).
- Liquid receptacle.
- 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.
- Draintipe 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).
- Liquid injection in 400-500 series.

OPTIONS

- Winter Kit.
- Rotation / failure system for two units.
- Synchronized defrost system for two units.
- Voltage protector.
- Anti-corrosion treatment on condenser / evaporator coil.
- Independent electrical panel. (100-200-300 series). See page 167.
- Cubic evaporator (100-200-300 series).
- Other voltages and 60 Hz.
- Humidifier external to the equipment and control (cooling).
- Oil separator (400-500 series).
- Anti-corrosive treatment for the condenser unit furniture.
- Monitoring and control system. See page 69.

Xwzb**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.



CALCULATION BASIS - Pag. 168

0 °C -5 °C ÷ 10 °C		Refrigera- tion capacity	 °C EXT	 °C EXT		Compressor		Model UC.	Liq	Suct	R-449A	Nominal consump- tion	Max. load current	Model evap.	Flow	Noise level	Weight
Series	Model	W	m³	m³		HP	kW				kg				A		
100	ESC1005M1X	850	6	5	230/1/50	1/2	0,4	ECC1005M1X	3/8	1/2	<2	2,7	3,4	EEC3000M1X	1.100 - 440	32	48
	ESC1006M1X	1.157	9	7	230/1/50	1/2	0,4	ECC1006M1X	3/8	1/2	<2	3,9	5,3	EEC3001M1X	1.100 - 1.000	32	60
	ESC1007M1X	1.340	12	9	230/1/50	3/4	0,5	ECC1007M1X	3/8	1/2	<2	4,3	5,7	EEC3001M1X	1.100 - 1.000	32	60
200	ESC2008M1X	1.650	16	14	230/1/50	1	0,7	ECC2008M1X	3/8	5/8	<3	6,0	7,4	EEC3022M1X	1.920 - 2.000	42	80
	ESC2010M1X	1.975	20	17	230/1/50	1 1/4	0,9	ECC2010M1X	3/8	5/8	<3	7,6	9,7	EEC3022M1X	1.920 - 2.000	42	85
	ESC2015M1X ⁽¹⁾	2.400	29	25	230/1/50	1 1/2	1,1	ECC2015M1X	3/8	5/8	<3	8,9	10,7	EEC3002M1X	1.920 - 2.000	42	105
300	ESC3017M5X	2.899	37	30	400/3/50	1 3/4	1,3	ECC3017M5X	3/8	3/4	<3,5	4,7	5,8	EEC3003M1X	1.920 - 3.000	45	110
	ESC3020M5X	3.579	45	37	400/3/50	2	1,5	ECC3020M5X	3/8	3/4	<4	5,4	6,8	EEC3003M1X	1.920 - 3.000	45	110
400	ESC4025M5X	4.250	65	50	400/3/50	2 1/4	1,7	ECC4025M5X	1/2	3/4	<5	5,8	8,9	EEC2206M1X	4.540 - 3.200	45	150
	ESC4030M5X	4.950	86	67	400/3/50	3	2,2	ECC4030M5X	1/2	3/4	<5	6,8	9,0	EEC2206M1X	4.540 - 3.200	45	150
	ESC4035M5X	6.150	109	88	400/3/50	3 1/2	2,6	ECC4035M5X	1/2	3/4	<5	7,2	11,1	EEC2236M1X	4.540 - 5.490	45	150
500	ESC5040M5X	7.400	135	105	400/3/50	4	3	ECC5040M5X	1/2	7/8	<5,5	7,7	12,4	EEC2316M1X	4.540 - 5.600	45	180

i 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).

(1) Equipment available in three-phase.

-20 °C -25 °C ÷ -15 °C		Refrigera- tion capacity	❄️ °C EXT	☀️ °C EXT	⚡	Compressor		Model UC.	Liq	Suct	R-449A	Nominal consump- tion	Max. load current	Evap. model	Flow	Noise level	Weight
Series	Model	W	m³	m³		HP	kW				kg	A	A		m³/h		
100	ESC1005L1X*	650	4	3	230/1/50	3/4	0,5	ECC1005L1X	3/8	5/8	<2	2,8	4,2	EEC3000L1X	1.100 - 440	32	60
	ESC1007L1X*	800	5	4	230/1/50	1	0,7	ECC1007L1X	3/8	5/8	<2	3,9	5,4	EEC3001L1X	1.100 - 1.300	32	60
	ESC1010L1X*	950	6	5	230/1/50	1	0,7	ECC1010L1X	3/8	5/8	<2	4,7	6,3	EEC3001L1X	1.100 - 1.300	32	65
	ESC1015L1X*	1.200	9	6	230/1/50	1 1/2	1,1	ECC1015L1X	3/8	5/8	<2	6,2	8,8	EEC3001L1X	1.100 - 1.300	32	65
200	ESC2015L1X*	1.280	11	8	230/1/50	1 1/2	1,1	ECC2015L1X	3/8	5/8	<2,5	6,7	9,6	EEC3002L1X	1.920 - 3.000	40	85
	ESC2017L5T**	1.341	15	10	400/3/50	1 3/4	1,3	ECC2017L5T	3/8	5/8	<2,5	4,2	5,0	EEC3002L1T	1.920 - 3.000	42	90
300	ESC3017L5T**	1.620	22	15	400/3/50	2	1,5	ECC3017L5T	3/8	3/4	<3,5	4,7	5,5	EEC3003L1T	1.920 - 4.000	45	120
	ESC3020L5T**	2.218	27	19	400/3/50	2 1/2	1,8	ECC3020L5T	3/8	3/4	<3,5	6,3	8,3	EEC3003L1T	1.920 - 4.000	45	120
400	ESC4030L5X	2.775	35	28	400/3/50	3	2,2	ECC4030L5X	1/2	3/4	<5	6,9	12	EEC2156L1X	4.540 - 3.670	45	150
	ESC4040L5X	3.425	52	40	400/3/50	4	3	ECC4040L5X	1/2	3/4	<5	9	14,2	EEC2206L1X	4.540 - 3.200	45	155
500	ESC5050L5X	4.325	76	56	400/3/50	5	3,7	ECC5050L5X	1/2	7/8	<5,5	10,2	17,1	EEC2236L1X	4.540 - 5.490	45	170
	ESC5060L5X	5.300	111	77	400/3/50	6	4,5	ECC5060L5X	1/2	1 1/8	<5,5	11,9	20,9	EEC2316L1X	4.540-5.600	45	200

***** Available in R-452A

****** Equipment with R-452A

i Calculation made for 10 m equivalent lenght.

In the "SPLIT" units KIDE advises to install the drain pipe with syphon out of the coldroom. For freezer rooms the piping should be metallic.

DIMENSIONS

COND.						EVAP.				
Series	A	B	C	D1	D2	Model	A	B	C	D1
100	370	460	760	610	276	0L-0M	480	195	520	348
						1L	210	425	920	670
						1M	250	500	820	570
200	450	575	950	800	373	2L	250	500	1.310	1.050
						2M	250	500	1.200	950
300	500	575	940	800	373	3L	280	500	1.890	1.620
						3M	280	500	1.690	1.420
400	665	670	1.030	455	570	L403	440	450	1.145	925
						L404	440	450	1.145	925
						M425-30	440	450	1.145	925
						M435	440	450	1.595	1.375
500	915	750	1.050	480	630	L505	440	450	1.595	1.375
						L507	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	867	640	985	60	0L-0M	300	530
					1L	300	530
					1M	300	530
200	867	640	985	75	2L	300	530
					2M	300	530
300	867	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
					M435	530	530
500	1.136	1.000	1.350	180	L505	530	530
					L507	655	570
				210	M5	655	570

