



-20 °C 0 °C



COMMERCIAL EQUIPMENT

SILENT SPLIT

ESS

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



GENERAL CHARACTERISTICS

- Pre-charged with refrigerant R-455A (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.
- 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.
- Draihtype heating element in low T^a (2 m).
- Ceiling type evaporator with nitrogen (Series 100 - 200 - 300).
- 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).
- Watertight electrical panel.
- Air extraction fan.
- 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).
- 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.



CALCULATION BASIS - Pag. 168

0 °C -5 °C ÷ 10 °C		Refrigeration capacity	°C EXT	°C EXT		Compressor		Model UC.	Liq	Suct	R-455A	Nominal consumption	Max. load current	Evap. model	Flow	Noise level	Weight
Series	Model	W	m³	m³		HP	kW				kg	A	A				
100	ESS1007M1G	1.475	12	9	230/1/50	1	0,7	ECS1007M1G	3/8	1/2	<2	6,1	8,9	EEC3001M1G	730 - 1.000	25	70
200	ESS2010M1G	1.750	16	14	230/1/50	1 1/4	0,9	ECS2010M1G	3/8	5/8	<2,5	8,5	10,5	EEC3002M1G	1.040 - 2.000	28	85
300	ESS3020M5G	3.100	40	32	400/3/50	2	1,5	ECS3020M5G	3/8	3/4	<4	5,2	8,9	EEC3003M1G	1.590 - 3.000	30	110
400	ESS4025M5G	4.300	65	50	400/3/50	2 1/2	1,7	ECS4025M5G	1/2	3/4	<5	5,4	8,5	EEC2206M1G	4.540 - 3.200	32	155
	ESS4030M5G	5.020	86	67	400/3/50	3	2,2	ECS4030M5G	1/2	3/4	<5	6,4	8,6	EEC2236M1G	3.220 - 5.490	32	155
500	ESS5040M5G	7.150	130	100	400/3/50	4	3	ECS5040M5G	1/2	7/8	<4,5	7,3	12	EEC2316M1G	4.540 - 5.600	32	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).

-20 °C -25 °C ÷ -15 °C		Refrigeration capacity	°C EXT	°C EXT		Compressor		Model UC.	Liq	Suct	R-455A	Nominal consumption	Max. load current	Evap. model	Flow	Noise level	Weight
Series	Model	W	m³	m³		HP	kW				kg	A	A				
100	ESS1010L1G	850	5	4	230/1/50	3/4	0,5	ECS1010L1G	3/8	5/8	<2	5,0	7,2	EEC3001L1G	730 - 1.300	28	60
200	ESS2015L1G	1.350	15	10	230/1/50	1 3/4	1,3	ECS2015L1G	3/8	5/8	<2,5	7,3	10,7	EEC3002L1G	1.040 - 3.000	30	90
300	ESS3020L5G	2.375	29	21	400/3/50	2 1/2	1,8	ECS3020L5G	3/8	3/4	<4	5,9	7,8	EEC3003L1G	1.590 - 4.000	32	115
400	ESS4030L5G	2.840	36	28	400/3/50	3	2,2	ECS4030L5G	1/2	3/4	<5	6,5	11,6	EEC2156L1G	4.540 - 3.670	32	150
	ESS4040L5G	3.605	47	34	400/3/50	4	3	ECS4040L5G	1/2	3/4	<5	8,6	13,8	ECC2206L1G	4.540 - 3.200	32	155
500	ESS5050L5G	4.325	76	56	400/3/50	5	3,7	ECS5050L5G	1/2	7/8	<5,5	9,8	16,8	EEC2236L1G	4.540 - 5.490	32	170
	ESS5060L5G	5.300	111	77	400/3/50	6	4,7	ECS5060L5G	1/2	1 1/8	<5,5	11,5	20,5	EEC2316L1G	4.540 - 5.600	32	200

DIMENSIONS

Series	COND.						EVAP.				
	A	B	C	D1	D2	Model	A	B	C	D1	D2
100	405	460	755	338	390	1M	250	500	820	570	440
200	500	570	950	570	500	2M	250	500	1.200	950	440
300	500	610	955	570	500	3M	280	500	1.690	1.420	440
400	665	670	1.030	455	570	L403	440	450	1.145	925	410
						L404	440	450	1.145	1.375	410
						M425-30	440	450	1.145	1.375	410
500	915	750	1.050	480	630	L505	440	450	1.595	1.375	410
						L506	565	490	1.565	1.345	450
						M5	565	490	1.565	1.345	450

Series	U.C + EMB./PACK.				kg	Model	EVAP.+EMB./PACK.				kg
	A	B	C				A	B	C		
100	785	480	420	60	1M	300	530	1.015	25		
200	876	640	985	75	2M	300	530	1.395	35		
300	876	640	985	90	3M	330	535	1.980	50		
400	1.126	740	1.070	130	L403	530	530	1.180	35		
					L404	530	530	1.180	40		
					M425-30	530	530	1.180	40		
500	1.136	1.000	1.350	180	L505	530	530	1.630	50		
					L506	655	570	1.600	55		
					M5	655	570	1.600	55		

