



12 °C



COMMERCIAL EQUIPMENT

WORK ROOMS

ESS



R-449A



Silent split refrigeration units specially designed for food handling and processing rooms, antechambers and loading areas, for use in high temperature applications.

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.
- 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 is shipped loose for fitting to the evaporator.
- Automatic air defrosting.
- Low-speed dual discharge evaporator filled with nitrogen (in high temperature).
- 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 200 - 300).
- Cable for light (3 m) (Series 200-300).
- Voltage protector.
- Magneto thermic protection (three-phase units).

OPTIONS

- Winter Kit.
- Rotation / failure system for two units.
- Synchronized defrost system for two units.
- Built-in condensate pump on double-flow evaporators (max. Pumping head 1,5 m).
- Anti-corrosion treatment on condenser / evaporator coil.
- Oil separator.
- Voltage protector (single-phase version).
- Time control.
- Humidifier external to the equipment and control.
- 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.



CALCULATION BASIS - Pag. 168

12 °C +10°C ÷ 15 °C		Refrige- ration 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	dBA	kg
200	ESS2007H1X	1.900	22	17	230/1/50	3/4	0,5	ECS2007H1X	3/8	1/2	<2,5	4,3	5,6	EEP4084W1X	1.040 - 1.590	25	100
300	ESS3008H1X	2.400	29	25	230/1/50	1	0,7	ECS3008H1X	3/8	1/2	<3,5	5,4	6,8	EEP4094W1X	1.590 - 1.590	28	110
400	ESS4015H1X	3.300	48	36	230/1/50	1 1/2	1,1	ECS4015H1X	1/2	5/8	<4	8,9	10,7	EEP4154W1X	1.200 - 1.380	29	135
	ESS4020H5X	5.100	96	76	400/3/50	2	1,5	ECS4020H5X	1/2	3/4	<4	4,8	8,5	EEP4154W1X	3.220 - 3.180	30	135
500	ESS5030H5X	6.850	135	108	400/3/50	3	2,2	ECS5030H5X	1/2	3/4	<4,5	6,5	11,4	EEP4214W1X	3.220 - 3.180	32	155

DIMENSIONS

COND.							EVAP.				
Series	A	B	C	D1	D2	Model	A	B	C	D1	D2
200	500	570	950	570	500	EEP4084	284	853	796	582	810
300	500	610	955	570	500	EEP4094	310	853	796	582	810
400	670	620	1.040	500	500	EEP4154	307	853	1.612	1.382	810
	670	620	1.040	500	500	EEP4154	307	853	1.612	1.382	810
500	950	600	1.040	500	500	EEP4214	310	848	1.900	1.731	790

	U.C + EMB./PACK.					EVAP.+EMB./PACK.			
Series	A	B	C	kg	Model	A	B	C	kg
200	876	640	985	75	EEP4084	315	940	1.330	32
300	876	640	985	90	EEP4094	315	940	1.330	35
400	1.126	640	1.070	100	EEP4154	315	940	1.330	35
	1.126	640	1.070	100	EEP4154	315	940	1.330	55
500	1.126	640	1.070	100	EEP4214	315	940	1.730	65

