



EMSAS®

MEDICAL COOLING & HEATING SYSTEMS

www.emsas-as.com.tr

QUALITY & SAFETY PROTECTION

BLOOD BANK REFRIGERATOR

**LABORATORY - PHARMACY
REFRIGERATOR**

INCUBATOR - AGITATOR

PLASMA THAWER

DEEP FREEZER

ULTRA LOW FREEZERS

**BREAST MILK STORAGE
REFRIGERATOR & FREEZER**

BABY BOTTLE WARMERS

**ETUVE (LABORATORY OVEN) &
WATER BATH**

COOLED INCUBATOR



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EE Serie (-5°C / -30°C)



- The outer surface of the device is made of galvanized steel, painted with electrostatic paint to protect against rust. The inner surface is produced of stainless steel.
- The device operates with 195-230 V/50 Hz network voltage.
- The door of the device comes with a high density polyurethane filling insulation, which has a heating surface and magnetic seal rings to provide impermeability.
- The inner shelf system has been produced of stainless steel material. It has been designed in ergonomics for speeding up the air circulation.
- The deep freezer provides the opportunity to store between -5°C /-30°C.
- The insulation of the deep freezer is provided with a high density of polyurethane material.
- The device works smooth and quietly.
- There is a filter warning indicator showing the air filter status on the front control panel of the device. The air filter is easily removable and washable.
- The device has full automatic defrost system in order to protect the productivity of the cooling evaporator.
- A user-friendly digital control panel with a micro processor has been used on the device. This system can keep the data in memory for 30 days.
- There is a USB socket to transfer the cabinet temperature information to the computer when requested. In this way, the 10 year old temperature records can be transferred to the PC in excel format.
- The thermostat at the control panel of the device can make measurements with 0.1 degree sensitivity.
- There is an accumulator system charged automatically at the control panel of the device. This system allows the control panel and thermal printer (if available) to operate for 24 hours when the electricity cuts off.
- The freezer alerts you with visual and audio signals when the lower and upper temperature limits are exceeded, the door of the device is left open, low voltage and/or electricity cut off problems occurs.
- The refrigerant and the insulation of the deep freezer do not contain CFC gas which is harmful for the OZONE.
- There are two braked and two regular castors on the device that provide easy portability.
- As per request of the user, a thermal printer can be installed at the device. The numerical printout of the recorded data can be taken with the thermal printer.
- All medical devices produced by Emsas are guaranteed for 2 years.
- All our products are produced in line with the ISO 9001:2008, ISO 13485 TSE service place competence certificates. Our deep freezers have CE certificates.
- Adjustable shelves feature is standard. The shelf quantities can be changed according to the customer demand as optional feature.

EE 300



**OPTIONAL THERMAL
PRINTER**



**OPTIONAL TOUCH
SCREEN DISPLAY**



**OPTIONAL GRAPHICAL
CHART RECORDER**



OPTIONAL CHROME SHELVES

EE 100
(-5°C/-30°C)



EE 150
(-5°C/-30°C)



EE 300
(-5°C/-30°C)



YEE 300
(-5°C/-30°C)

EE 600
(-5°C/-30°C)



MODEL	YEE 300	EE 100	EE 150	EE 300	EE 600
Temperature Range	-5°C / -30°C	-5°C / -30°C	-5°C / -30°C	-5°C / -30°C	-5°C / -30°C
Set Point	-20°C	-20°C	-20°C	-20°C	-20°C
External Dimensions (WxLxH) mm	1300*755*828	600*660*1050	600*670*1650	765*930*1950	910*842*1938
Internal Dimensions (WxLxH) mm	1086*558*660	478*498*556	450*467*1000	570*593*1190	753*630*1427
Volume	340 L	132 L	210 L	402 L	677 L
Polyurathane (mm)	100 mm	61 mm	75 mm	97,5 mm	78,5 mm
Packaged Dimensions (WxLxH)mm	1500x850x950 mm	650x710x1260 mm	605x700x1750 mm	800x850x2050 mm	990x980x2100 mm
Gross (KG)	150 Kg	100 Kg	125 Kg	215 Kg	260 Kg
Interior Lighting	-	-	-	-	-
Door Lock	+	+	+	+	+
Alarm	+	+	+	+	+
Internal Surface	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304	Stainless Steel Cr-Ni 304
External Surface	Galvanized sheet with electrostatic paint Optional / Stainless Steel Cr-Ni 304	Galvanized sheet with electrostatic paint Optional / Stainless Steel Cr-Ni 304	Galvanized sheet with electrostatic paint Optional / Stainless Steel Cr-Ni 304	Galvanized sheet with electrostatic paint Optional / Stainless Steel Cr-Ni 304	Galvanized sheet with electrostatic paint Optional / Stainless Steel Cr-Ni 304
Heating / Cooling System	Fan System	Fan System	Fan System	Fan System	Fan System
Insulation	CFC Free - Polyurathane	CFC Free - Polyurathane	CFC Free - Polyurathane	CFC Free - Polyurathane	CFC Free - Polyurethane
Shelves	2 Pcs	2 Pcs	3 Pcs	4 Pcs	4 Pcs
Thermal Printer / G. Chart Recorder	Optional	Optional	Optional	Optional	Optional
PC Connection	USB	USB	USB	USB	USB
Castors	2 Braked , 2 Regular	2 Braked , 2 Regular	2 Braked , 2 Regular	2 Braked , 2 Regular	2 Braked , 2 Regular
Temperature Sensor	NTC	NTC	NTC	NTC	NTC
Control System	Microprocessor Control	Microprocessor Control	Microprocessor Control	Microprocessor Control	Microprocessor Control
Voltage	230 V - 50 Hz	220v-50hz	220v-50hz	220v-50hz	220v-50hz
Cooling Gas	R404a	R404a	R404a	R404a	R404a
Natural Gas	Optional	Optional	Optional	Optional	Optional



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ISO 9001:2008
ISO 13485



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