



Blood Bank Refrigerators
Thrombocyte Incubator / Thrombocyte Agitator
Laboratory / Plasma Freezer
Plasma Thawer
Laboratory / Pharmacy / Vaccine Refrigerator
Solar Direct Drive Vaccine Refrigerator
(Ice-lined Thermal Storage Technology)
Mains Powered Vaccine Refrigerator
(Ice-lined Thermal Storage Technology)
Combined Refrigerator + Freezer
12-24 V In-Car Mobile / Power Unit Refrigerator
Incubator
Newborn Product Group
Fluid and Blanket Warming Cabinet
Dry Oven Sterilizer (Etuves) / Water Baths
Cooled Incubator
Stability Test Chamber
BOD Incubators

Since 1975...

EMSAS®

QUALITY & SAFETY PROTECTION



OUR CERTIFICATES



www.emsas-as.com.tr

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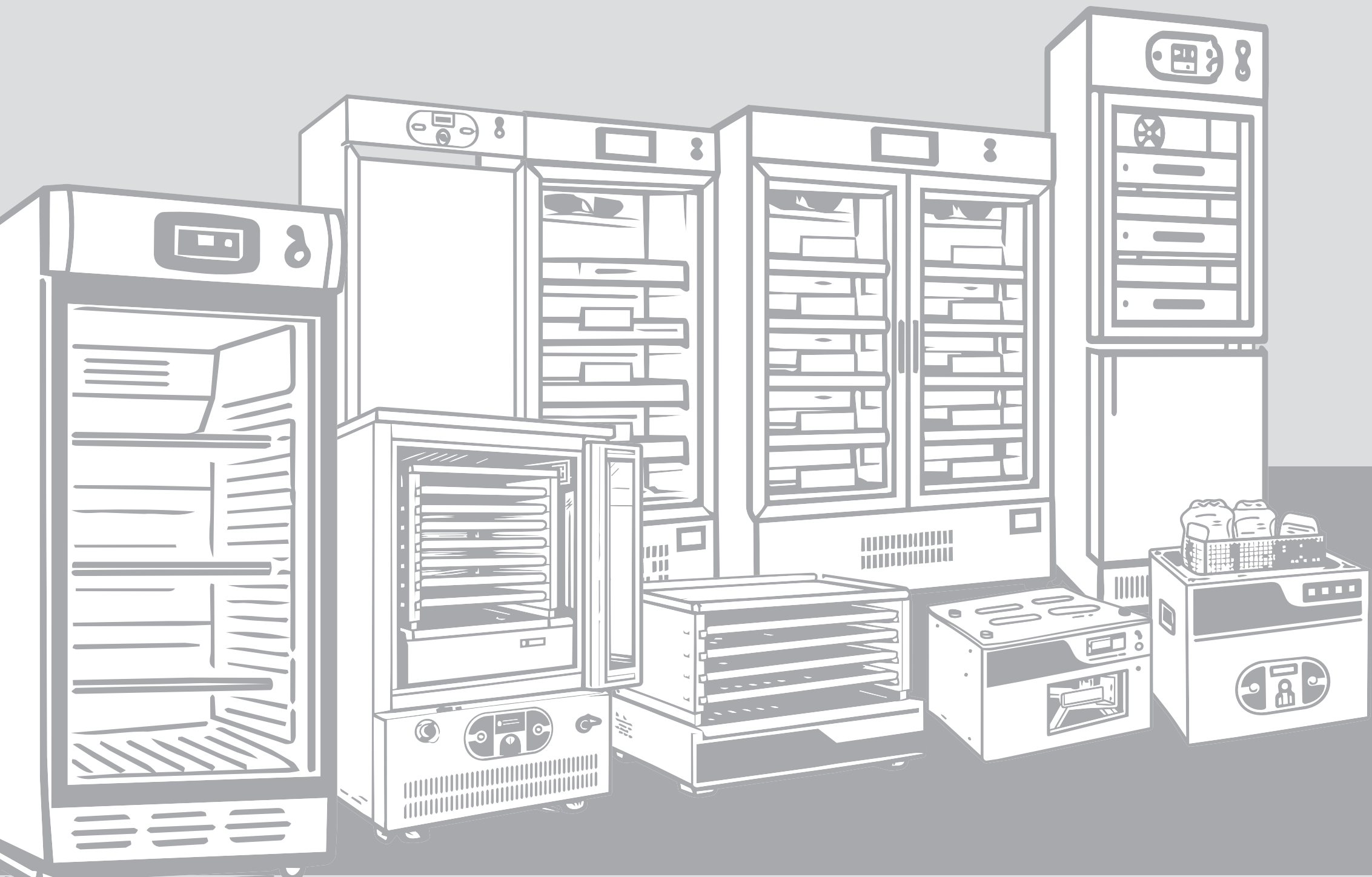
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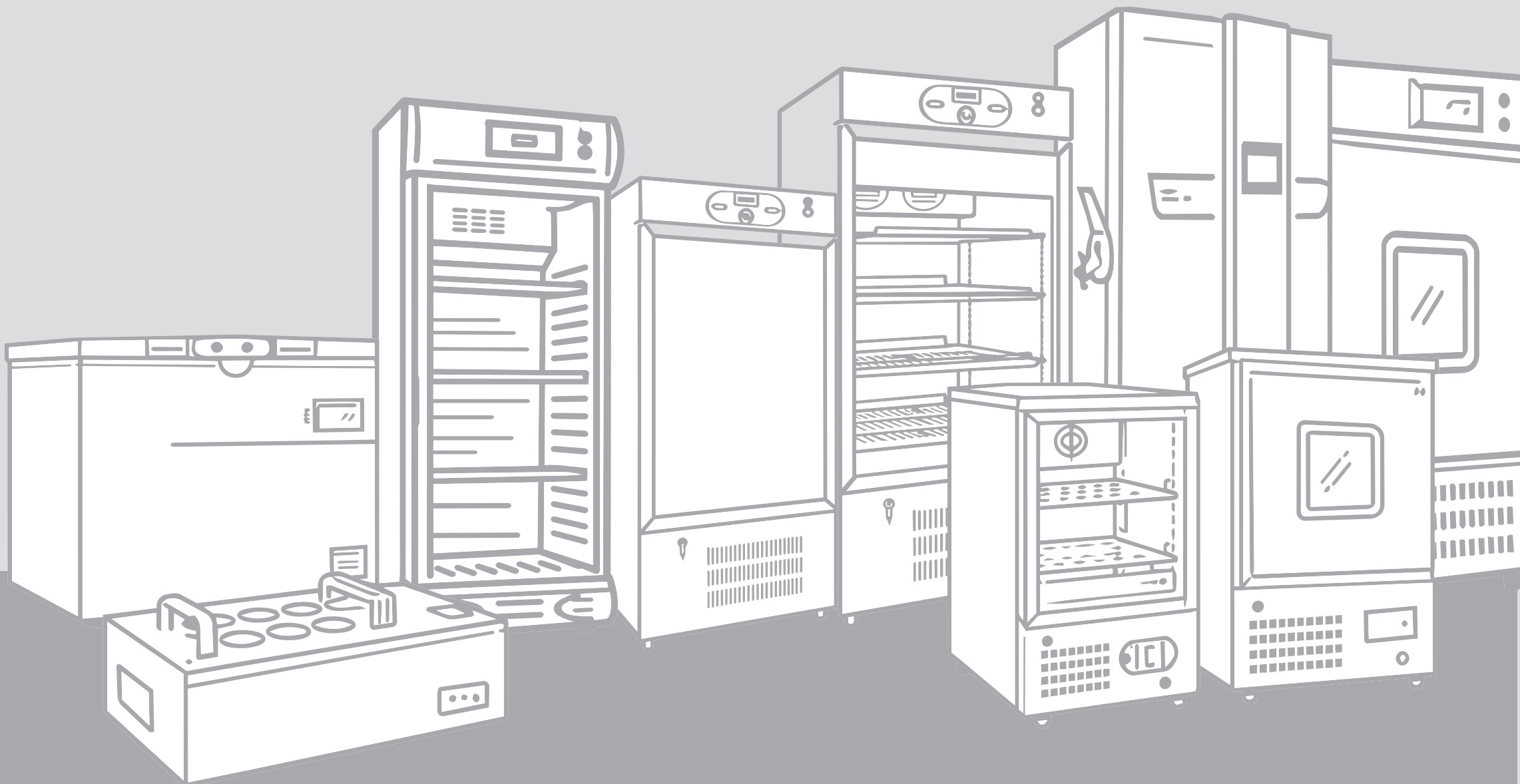
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EMSAS[®]

BLOOD BANK REFRIGERATORS

EKN Serie (+2°C/+8°C)

- Temperature range: +2°C to +8°C with $\pm 0.1^\circ\text{C}$ accuracy.
- User-friendly microprocessor digital control panel with password-protected access.
- Data storage capacity up to 30 days with secure system logging.
- High-precision temperature control with $\pm 0.1^\circ\text{C}$ measurement accuracy.
- Equipped with 2 temperature probes: one for internal cabinet temperature and one for blood/plasma sample temperature.
- Double-layer tempered glass doors with lock system and magnetic door gaskets
- Drawer system made of AISI 304 stainless steel, pool-type structure.
- Each drawer includes plexiglass front cover, internal dividers, and reinforced base support
- Inner chamber made of AISI 304 stainless steel.
- Multi-airflow system ensuring homogeneous temperature distribution across all shelves
- Fin-type evaporator cooling system with fully automatic defrost function.
- Automatic defrost system.
- Built-in rechargeable battery system supporting the digital control panel and printer for up to 48 hours during power failure.
- Visual and audible alarm system activated in case of:
 - Temperature deviation (high/low limits)
 - Door open condition
 - Power failure
 - Sensor failure
- Remote alarm output port.
- External sensor input port.
- Quiet and vibration-free operation.
- LED interior lighting system.
- Equipped with 2 lockable wheels and 2 swivel casters.
- USB data output for external storage and transfer to PC in Excel format (up to 10 years).
- 2-year warranty.
- Certified according to ISO 9001:2015, ISO 13485, CE, ISO 14001



STANDARD

- Drawer with Built-in Separator
- Remote Alarm Output
- External Sensor Input
- Digital Control Panel
- 2 Fixed + 2 Swivel Wheels
- Password Protection
- Fully Automatic Defrost System
- Multi Air-Flow System
- Battery Backup System
- Alarm and Electronic Control System
- Reporting via USB Memory
- 10-Year Memory



OPTIONAL

- Block Door
- Thermal Printer
- Graphical Chart Recorder
- Touchscreen Display
- R290 / Natural Gas
- UPS Voltage Regulator
- GSM
- Wi-Fi

EKN Serie



MODEL	EKN 25 / 70 L	EKN 50 / 167 L	EKN 100 / 225 L	EKN 200 / 390 L	EKN 300 / 635 L	EKN 600 / 1310 L
Temperature Range of	+2°C/+8°C	+2°C/+8°C	+2°C/+8°C	+2°C/+8°C	+2°C/+8°C	+2°C/+8°C
Set Temperature	+4°C	+4°C	+4°C	+4°C	+4°C	+4°C
External Dimensions (W*L*H) mm	452*661*765	600*676*1161	600*671*1361	600*676*1956	765*832*1936	1450*838*1936
Capacity - LT / Bags	70 L / 25 Pcs	167 L / 60Pcs	225 L / 120 Pcs	390 L / 240 Pcs	635 L / 363 Pcs	1310 L / 672 Pcs
Polyurethane Thickness	40 mm	40 mm	40 mm	40 mm	50 mm	45 mm
Packaging Dimensions (W*L*H) mm	580*790*890	605*700*1270	730*690*1550	730*690*2000	900*950*2150	940*1570*2150
Gross KG	65 Kg	97 Kg	128 Kg	175 Kg	229 Kg	380 Kg
Internal Lighting	+	+	+	+	+	+
Door Lock	+	+	+	+	+	+
Alarm	+	+	+	+	+	+
Internal Surface Material	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	Stainless Steel Cr-Ni 304
External Surface Material	Galvanized Steel With Electrostatic Powder Coated	Galvanized Steel With Electrostatic Powder Coated	Galvanized Steel With Electrostatic Powder Coated	Galvanized Steel With Electrostatic Powder Coated	Galvanized Steel With Electrostatic Powder Coated	Galvanized Steel With Electrostatic Powder Coated
Heating / Cooling System	Fan-Forced	Fan-Forced	Fan-Forced	Fan-Forced	Fan-Forced	Fan-Forced
Insulation	CFC- Free Polyurathane	CFC- Free Polyurathane	CFC- Free Polyurathane	CFC- Free Polyurathane	CFC- Free Polyurathane	CFC- Free Polyurathane
Number of Stainless Steel Drawers	2	2	3	6	6	12
PC Connection	USB	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	2 Braked, 2 Regular
Temperature Sensor	NTC	NTC	NTC	NTC	NTC	NTC
Control System	Microprocessor Controlled	Microprocessor Controlled	Microprocessor Controlled	Microprocessor Controlled	Microprocessor Controlled	Microprocessor Controlled
Voltage / Hz	220v-50hz / 110v-60hz	220v-50hz / 110v-60hz	220v-50hz / 110v-60hz	220v-50hz / 110v-60hz	220v-50hz / 110v-60hz	220v-50hz / 110v-60hz
Refrigerant	R134a/R600a/R290	R134a/R600a/R290	R134a/R600a/R290	R134a/R600a/R290	R134a/R290	R134a/R290
Power	230 Watt	230 Watt	230 Watt	277 Watt	400 Watt	400 Watt
Thermal Printer / Graphical Chart Recorder	Optional	Optional	Optional	Optional	Optional	Optional
Glass Panel Solid Door	Optional	Optional	Optional	Optional	Optional	Optional
SMS and E-mail Module	Optional	Optional	Optional	Optional	Optional	Optional
5'5 inch Touch Screen Display	Optional	Optional	Optional	Optional	Optional	Optional



www.emsas-as.com.tr
www.kandolabi.com
www.asidolabi.com
ISO 9001:2008
ISO 13485



Contact



Promotional Film



Product Introduction
Videos

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