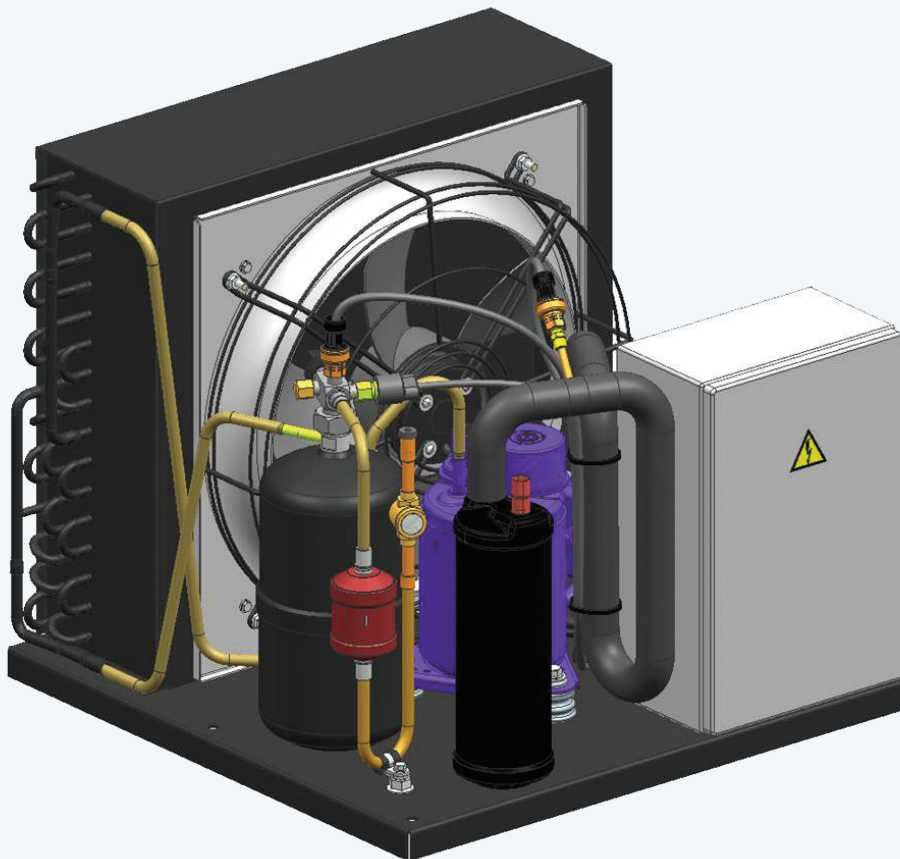




MASTERFLUX[®]
BY *Tecumseh*

eMRU SIERRA

**THE CONDENSING UNIT
DEDICATED TO REFRIGERATED MOBILE APPLICATION**



MOBILES APP.

PLUG & PLAY

**VARIABLE
SPEED**

ECO-FRIENDLY

MASTERFLUX.COM

CHARACTERISTICS AND BENEFITS

ROTARY COMPRESSORS

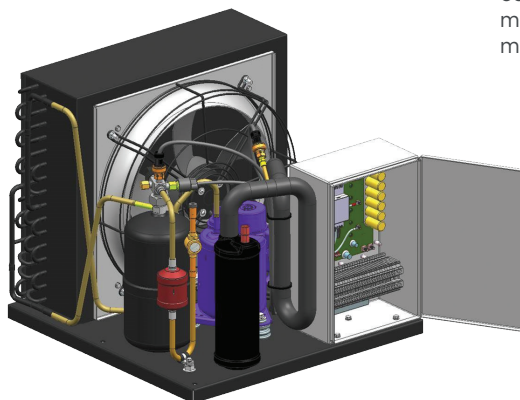
Compact, robust, efficient, and lightweight.

CUSTOMIZABLE REGULATION

The electrical box is designed to be compatible with multiple controllers or regulators.

ECO-FRIENDLY

A2L R-1234yf refrigerant compatible.



VARIABLE SPEED

For intelligent cooling and energy consumption reduction. Cooling capacity management is especially ideal to meet multi-station installation needs.

48 VDC POWER SUPPLY

Best fit for electrical vehicles and easy connected to batteries.

APPLICATIONS

Last mile delivery refrigeration: Food-Truck, Van, Trailer.



UNIT REFRIGERATION PERFORMANCE

• **Cooling Capacity:** 2,2 kilowatts
(conditions: -10°C Tev., 32°C Tamb.)

• **Refrigerants :** R-134a, R-1234yf, R-513A

• **Maximal ambient temperature:** Running to 46°C

• **Power supply:** 48VDC

• **Consumption:** Max current - 40A à 48 VDC

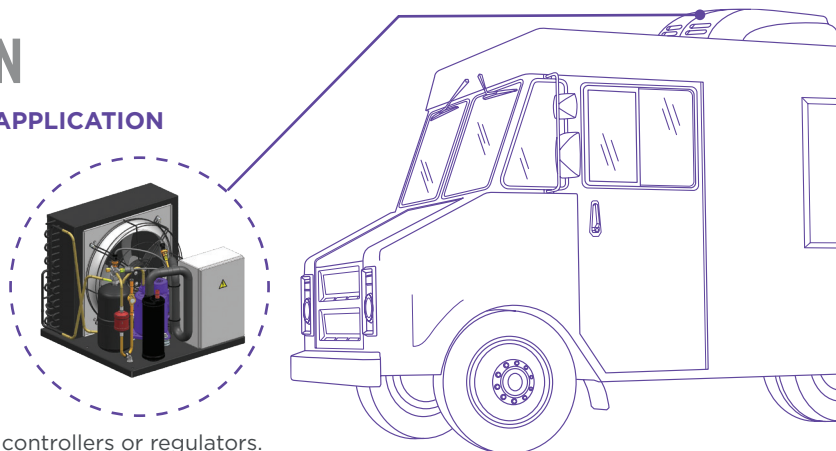
• **Dimensions:** 515x507mm - Height: 445mm - Suction: 1/2
- Liquid Line: 3/8

OUTSIDE TEMP.	EVAPORATION TEMP.	°C	-20	-15	-10	-5	0	3	5	10	15
32	Cooling Capacity	W	1450	1800	2200	2500	2900	3050	3050	3050	3050
	Comp. speed	RPM	Max	Max	Max	Max	Max	Max	Regul.	Regul.	Regul.
	Current	A	22	24	27	31	35	39	40	40	40
	Cond. Temp.	°C	41	43	45	48	51	52	53	53	53
43	Cooling Capacity	W	1230	1550	1880	2210	2570	2600	2600	2600	2600
	Comp. speed	RPM	Max	Max	Max	Max	Max	Regul.	Regul.	Regul.	Regul.
	Current	A	24	28	32	36	39	40	40	40	40
	Cond. Temp.	°C	52	54	56	58	61	62	62	62	62

REGULATION AND INSTALLATION

UNIT STANDARD INSTALLATION - « FOOD-TRUCK » APPLICATION

• Top mounted or inside the truck.



REGULATION

• The electrical box is designed to be compatible with several controllers or regulators.

CU Monitoring:

- LBP Pressure monitoring
- Adjustable LBP set point
- Defrost
- Fault management
- «Energy Save» mode, «Low Noise» mode

Compressor monitoring:

- Speed control
- Compressor safety
- Oil return monitoring
- Inverter Protections

Condenser monitoring:

- Fan speed control
- HBP monitoring
- Adjustable set point

