Solutions Through Advanced Technology
MAINSTREAM ENGINEERING

ENGINEERED TO WEATHER ANY STORM

RUGGEDIZED ENVIRONMENTAL CONTROL UNIT (RECU)

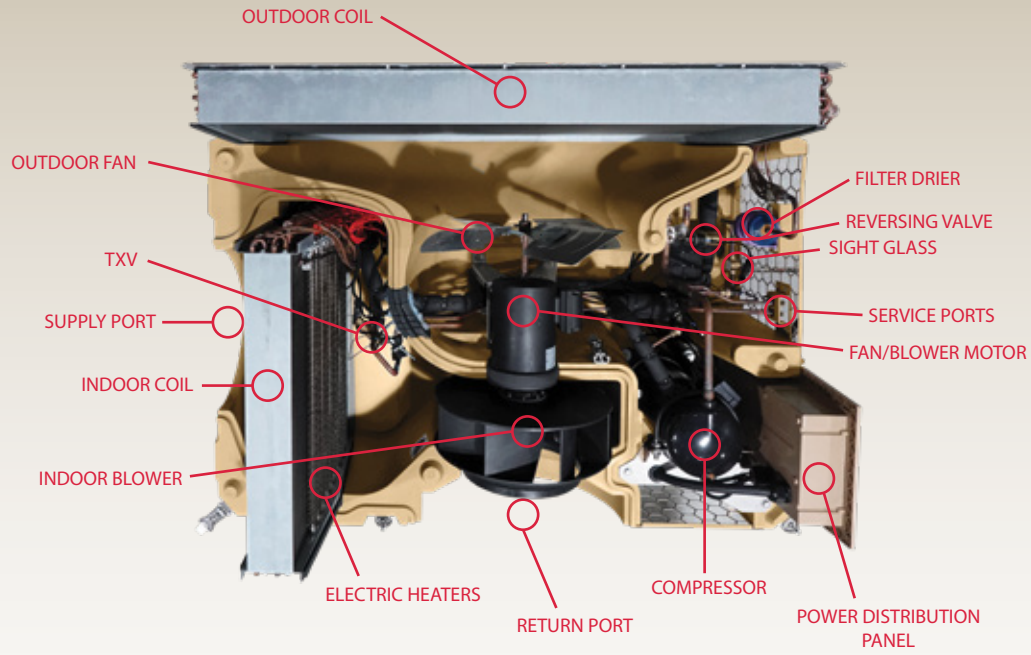
HEALTH MONITORING

READY FOR IMPACT

ACCESSIBLE MAINTENANCE

KEY FEATURES

Mainstream's 5-ton$_R$ RECU is the latest in ultra-efficient, military-ready, ducted, unitary, heat pump systems. It provides heating, ventilation, and air conditioning to USAF BEAR Base shelters. The RECU is compatible with NBC filter/blower equipment and is certified to operate with Collective Protection (ColPro) equipment in a chemical, biological, radiological, and nuclear (CBRN) environment. The RECU also includes compressor soft-start technology and microprocessor-based embedded diagnostics/prognostics. These units were designed to replace the FDECU, LECU, and the IECU while improving performance, reducing weight, simplifying maintenance, and increasing reliability. Optional wye ducts are available, allowing one RECU to cool two shelters.



ORDERING INFO

Part #	RECU60K134
On GSA Contract	Yes
USAF Part #	E2CU60K3208
NSN-USAF	Pending
Patent #	#11,519,633

SPECS

L x W x H	61" x 42" x 38-1/4"
Weight	647 lbs
Service Life	25 years
Recommended Inspection Interval	36 months
Duct Diameter	16"
Duct Length	8'
Noise	79 dBA
Input Power	208/230 VAC, 3 phase, 50/60 Hz
RECU Breaker Rating	50 A
Cable	25' SOOW
Connector	Class L MS90556C32412P
Evaporator Air Flow	2000 scfm @ 1 in.H_2O
Soft Start	Yes

REFRIGERANT

Type	R-134a / HFO Compatible
Charge	12 lbs

CAPACITY

Cooling (@ 125/90/75°F)	68,000 Btu/hr
Heating (Electric)	35,600 Btu/hr
Heating (Heat Pump)	Yes

OPERATOR CONTROLS

Digital Remote Thermostat	Yes
Digital Diagnostics and Prognostics	Yes
Digital Display	Yes
Microgrid Compatible	Yes

OPERATING TEMPERATURE RANGE

Cooling	50°F to 125°F
Heating	–25°F to 75°F

APPROVED FOR

463L Pallet Transport	Up to 6 Units
Tricon Transport	Up to 4 Units
BEAR Compatible	Yes
Collective Protection (ColPro) Certified	Yes
NBC Filter/Blower Equipment Compatible	Yes

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200 Yellow Place • Rockledge, FL 32955
321.631.3550 • *fax* 321.631.3552
sales@mainstream-engr.com

www.mainstream-engr.com

MADE IN THE U.S.A.

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