

POLAR TRANSPORT REFRIGERATION SYSTEMS



K-FR500ES



K-FR500ES Series Split units are designed by and for Canadians that require fresh, frozen and deep-frozen refrigerated Cube Trucks or Trailers in the Temperature Range $-18^{\circ}\text{C} \sim +15^{\circ}\text{C}$. Sleek & Appealing Nose Mount Compressor Condenser unit & Internal Ultra-Slim Evaporator with Huge Air Volume!

Using a 163cc/r - 215 cc/r Road compressor powered by the vehicle's engine produces exceptional refrigeration performance.

Unit has our 220V-240V 1Ph Electric standby included and allows the operator refrigeration when the vehicle is stationary.



K-FR500ES

STANDARD FEATURES

R404a Refrigerant, R452a Compatible

Operation on 12Vdc Vehicles

In-cab Digital Controller, with e-diagnostics

**Dual Fan Nose Mount Compressor
Condenser Unit Dimensions**

1410 × 543 × 503 mm Weight 105Kg (232lbs)

**Ultra-Slim Dual Fan Evaporator
with Dimensions**

1020 × 637 × 213 mm Weight 26Kg (57lbs)

Automatic and Manual
Hot Gas Defrost & Heating

Evaporator Air Flow 2700m³/h (1590 CFM)

Tailored Cellular Telematics
& Bluetooth Data logging available

COOLING CAPACITY

On Road

4500 - 5100W (15,300 - 17,340 Btu's)
@ 0°C Box temp

2350 - 2450W (7,990 - 8330 Btu's)
@ -18°C Box temp

Optional Electric Standby 220 -240V @ 12 -14 amps

4,120W (14,008 Btu's)
@ 0°C Box temp

2100W (7,140 Btu's)
@ -18°C Box temp

Optional Glycol Heating Available Mid 2024

All Data Based On:

Recommended Box Volume 16~25m³ (565 Cu' ~ 880 Cu')

Ambient: 38°C for cooling; Insulation K-value: ≤ 0.32watts/m³ or R20 Factor

Performance and temperatures will vary depending on type of cargo and loading temperature etc.

**Specifications are subject to change without prior notice.*

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