

SUPERIOR, DEPENDABLE AND ECONOMICAL



MAINTENANCE

Transport refrigeration maintenance costs constitute a significant portion of the total life cycle cost. This cost has been drastically reduced. The diesel engine is the only component requiring ordinary maintenance with oil and filter changes every 750 engine operating hours. We believe this is an adequate amount. Considering that 750 hrs are the equivalent of approximately 40,000 km or 25,000 miles of route and the oil capacity is merely 3.5Ltrs or 0.92 Gallons

*** Recommended usage only 100% synthetic oil EFBP 5W-40 LONGLIFE*



BE ECONOMICAL!

Fuel costs contribute up to 50% of life cycle costs, with an insecure future view with respect to future fuel costs, it pays to think efficiency. Our low constant rpm diesel engine grants the industry's lowest fuel consumption and concurrently lower exhaust emissions



TOTAL LIFE CYCLE COST

When considering the unit's life cycle cost, it is imperative to include the purchase price along with the operating fee, considering the unit will require fuel, maintenance and running repairs. The absence of many maintenance components such as belts and replacement parts such as clutches and pulleys reduce down time to a minimal. The lowest fuel consumption available in the industry today makes the Eurofrigo a suitable solution in today's market



NOISE EMISSIONS

Low engine speed with a tuned air intake and calibrated exhaust system absence of external transmission components, low fan speed operation. All standard features that make the Eurofrigo among the quietest units built today



WARRANTY

The best in the business, offering 24 month/ 2000hrs absolute coverage guaranteeing 100% of the unit's components.

SPECIFICATIONS

SYSTEM PERFORMANCE (50 Hz) System net cooling capacity at: +30°C (86°F) ambient as per ATP conditions +38°C (100°F) ambient as per ARI conditions	D-5				D-7			
	Metric ATP		Imperial ARI		Metric ATP		Imperial ARI	
Return air to evaporator	0°C Watts (up to)	-20°C Watts (up to)	35°F Btu/h (up to)	0°F Btu/h (up to)	0°C Watts (up to)	-20°C Watts (up to)	35°F Btu/h (up to)	0°F Btu/h (up to)
Capacity on Engine power	4720	2850	13700	8270	6880	4390	19965	12740
Capacity on electric stand-by	4720	2850	13700	8270	6880	4390	19965	12740
Air flow								
Airflow volume @ 80 Pa static pressure	2500 m³/h		1470 ft³/min		3250 m³/h		1910 ft³/min	
Discharge Velocity	7,5 m/s		24.6 ft/s		8,5 m/s		27.9 ft/s	
Weight								
Unit net weight (w/out accessories)	380 kg		840 lbs		400 kg		880 lbs	
Diesel Engine								
Model	EFY376				EFY376			
Displacement	1116 cm³		68 in³		1116 cm³		68 in³	
rpm	1500				1500			
Fuel consumption (average)	1,5 l/h		0.39 gal/h		1,5 l/h		0.39 gal/h	
Maintenance Interval	750 hrs				750 hrs			
Compressor								
Model	EFD319				EFD319			
Displacement	230 cm³		14 in³		230 cm³		14 in³	
rpm	1450				1450			
Electric motor								
Voltage	380-460/3/50-60				380-460/3/50-60			
Power	2,2 kW				2,2 kW			
Refrigerant Gas: HFC R-507a - Zero Depletion Potential (ODP), Internationally Approved								
Charge	3,5 kg		7.7 lb		3,5 kg		7.7 lb	



Dimensions: millimetres (inches)

WARRANTY SUMMARY
Specific terms of the Eurofrigo Warranty are available on request. Eurofrigo excludes liability in contract and tort (including strict liability and negligence) for any special, indirect or consequential damages by reason of the installation or use of any covered product or its mechanical failure.

OFFICIAL DEALER



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Company Certified According to ISO 9001:2000 Standard



www.eurofrigo.it
made in Italy



D-5/D-7



- The world's first unit equipped with a wireless in-cab control system
- The world's first Genset unit for straight trucks
- Industry's lowest maintenance cost
- Industry's lowest fuel consumption
- Performance and reliability you can depend on



ECONOMICAL BENEFITS



DIESEL ENGINE EFY376

Clean, quiet and fuel efficient three cylinder liquid cooled, best constant speed performance in the world, low emissions epa tier 2 homologation, industry's lowest fuel consumption



COMPRESSOR

Semi hermetic high capacity designed for maximum performance, low noise and reliability, particularly designed to operate with the latest high pressure. Refrigerants, it is the industry's preferred compressor. The use of a semi-hermetic compressor allows 50% more efficient heat and defrost operation.

400VAC ALTERNATOR

Asynchronous, three phase, self excited, maintenance free, equipped with avr (automatic voltage regulator). Absolutely unsurpassed in today's market.

IN CAB CONTROLLER FHI (FRIDGE HUMAN INTERFACE)

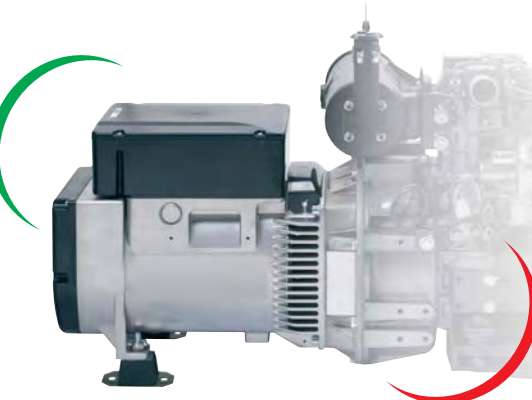
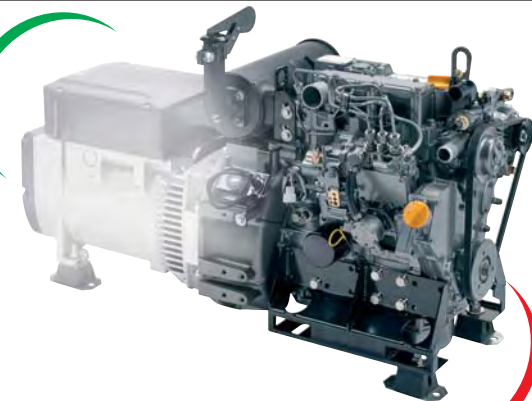
World's first wireless controller equipped with automatic variable light intensity lcd display, a straight forward system with one simple button to control your cargo's temperature and the unit's vital functions. The set point and box temperature are always displayed. Engine water temperature, oil pressure & rpm as well as refrigerant pressures are available on demand. Additionally, ordinary maintenance reminder and radio signal can be viewed. Fhi is multi-unit ready, and can be utilized for up to two units simultaneously

FAN MOTORS

VAC electric drive motors are maintenance free. The low rpm design results in reduced noise levels, intended for maximum life, their air flow grants greater cargo protection

- **No transmission belts ***
- **No pulleys**
- **No external bearings**
- **No clutch assemblies**
- **No compressor shaft seal**
- **No speed control solenoid**
- **Maintenance free alternator**

* exception made for engine water pump belt



STANDARD FEATURES

CARGO PROTECTION:

Latest generation microprocessor temperature control system (1)

- Most user friendly
- Setpoint and box temperature displayed
- Best temperature management
- Exceptionally reliable
- Lowest operating costs

Automatic phase reversal (2)

- Avoids reverse fan rotation while operating on electric standby
- Protects your cargo

Cargo Care (3)

- Automatically starts diesel engine if electricity fails
- Protects the load automatically without manual intervention
- Manual override for ferry or closed area operation

Fast and efficient defrosting system (4)

- Reduces cooling pause
- Grants 100% performance at all times

Long Life Electric fuel pump (5)

- Avoids diesel engine unexpected off cycle
- Reduces maintenance costs

COSTS CONTROL:

2 years warranty (6)

- Covers 100% of the system's components

Limited maintenance requirement (7)

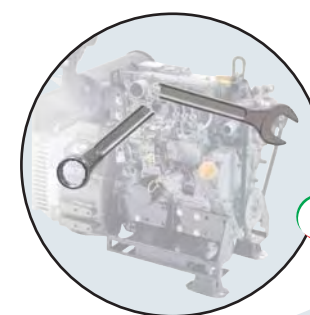
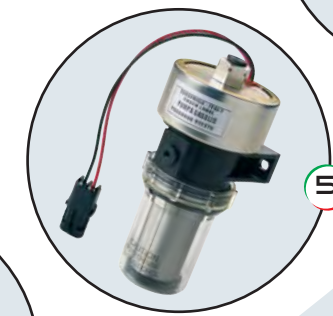
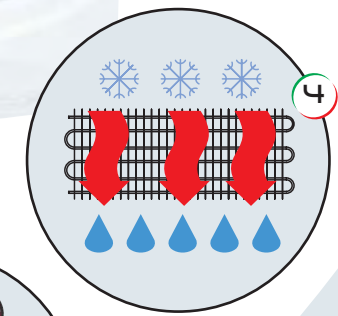
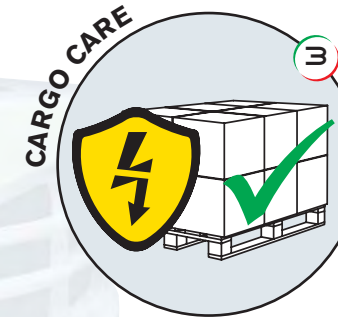
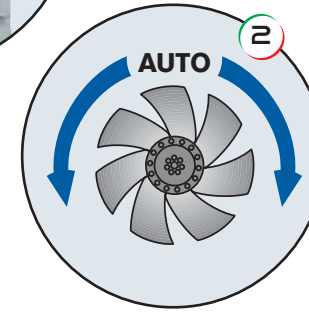
- No belts
- No clutches
- No pulleys
- No external bearings
- Semi hermetic compressor
- Maintenance free alternator
- Maintenance free fan motors

Diesel engine low maintenance requirement (7)

- Reduced vehicle down time
- Reduced environmental impact
- Reduced costs

Constant speed diesel engine (8)

- Reduced fuel costs
- Reduced noise level
- Reduced environmental impact



D-5/D-7



OPTIONAL FEATURES

Temperature-recorder (9)

- User friendly, records and stores temperature readings at preset intervals
- Stores upto one year of data
- Integrated printer
- Easy to download data to your PC

Door switches (10)

- Solid state sensor, absence of unreliable mechanical devices
- Avoid cargo temperature fluctuations due to door openings

Multi-Temperature system (step 1) (11)

- Allows cooling of two separate compartments
- Temperature management via forced ventilation between two compartments

Multi-Temperature system (step 2) (12)

- Allows cooling of two separate compartments
- Temperature management utilizing two independent evaporators

Additional heating system (13)

- Allows transportation of low temperature sensitive cargo

