

# SPIHEROS

**TRANSPORT REFRIGERATION UNITS FOR MEDIUM AND LARGE RIGID TRUCKS**

## **MT DIESEL ELECTRIC**

**220i/310i/460i/660i**



### **THE E-VALVE ENHANCES PERFORMANCE**

Due to a new electronic expansion valve the Diesel Electric MT line improves efficiency, cares for faster pull-down and ensures accurate temperature control.

Available in four different capacity models the MT Diesel Electric line covers all the requirements for the distribution of all perishable goods. Taking into consideration ambient temperature, body insulation and the number of door openings. An MT unit is suited to cater for your requirements.

Reduced fuel consumption, lower service costs and downtime ensures high operational reliability and overall cost effectiveness.

**ADVANCED TECHNOLOGY - YOU CAN RELY ON.**

# MT 220i/310i/460i/660i - Diesel Electric

## FEATURES

### ADVANTAGES

- Fast pull down and precise temperature control due to new electronic expansion valve
- Improved controls with new IPro PLC, with built in safety features
- Easily available downloadable diagnostics via USB through the Intelligent Logic Controller
- Robust design and quality components, designed for tough operating conditions.
- Easy bulkhead installation & layout, providing ease of access for optimized maintenance time

### STANDARD FEATURES

- Multi Temperature systems available throughout the range
- Thermostatically controlled fan, multi temperature systems on request
- Standalone diesel engine and electric standby motor
- Auto phase detection and correction
- Simple In-Control panel, increased ease of operation
- Constant airflow through electronic evaporator fans, for improved air management

### Installation Kit Includes:

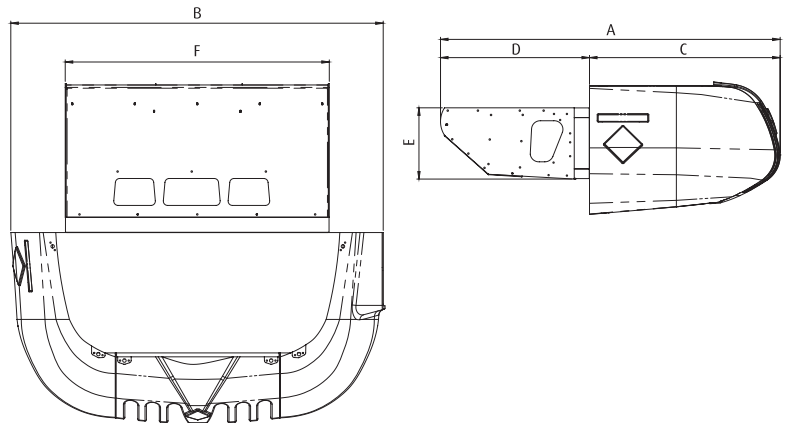
- Installation KIT with fixing bolts
- Electric connection KIT
- Fuel pump KIT
- Cab controls

### Optional Extras

- Door switches
- Refrigerant R134a (for positive temperature only)
- Telematics

Dimensions in mm

	MT 220i	MT310i	MT460ii	MT660i
<b>A</b>	1550	1580	1585	1660
<b>B</b>	1728	1728	1728	1903
<b>C</b>	890	890	890	964
<b>D</b>	660	690	692	692
<b>E</b>	305	305	330	330
<b>F</b>	760	1224	1224	1339



## TECHNICAL DATA

			MT 220i		MT 310i		MT 460i		MT 660i	
Box Length (m)		0°C	5,8		7,6		9,0		11,0	
		-18°C	5,5		6,4		8,0		10,0	
		-25°C	4,5		5,6		7,0		9,2	
Cooling Capacity @30°C ambient R404A	Diesel/Electric		kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h
		0°C	3,6	12300	5,0	17100	7,9	27000	10,5	35800
		-20°C	2,1	7200	3,0	10200	4,5	15400	6,3	21500
Air Volume Flow (m³/h)			2000		3000		3300		3900	
Aperture Dimensions (mm)	Width		780		1250		1250		1420	
	Height		325		325		350		350	
Weight (kg)			315		357		369		500	
Compressor	Type		FKX30/235		FKX30/325		FKX30/325		FKX40/470	
	Cylinders		2		2		2		4	
	Displacement (cm³)		170		235		235		390	
Diesel Engine	Cylinders		2		2		3		3	
	Displacement (cm³)		235		325		325		470	
Electric Motor			50 Hz / 60 Hz		50 Hz / 60 Hz		50 Hz / 60 Hz		50 Hz / 60 Hz	
	Power (kW)	380V 3Ph 220V 3Ph	3		4		5,5		7,5	
	Current consumption (A)	380V 3Ph	6,3		7,8		12,3		15,1	
		220V 3Ph	10.9		13.5		21		26	