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Refrigerated Containers Power Requirements

Refrigerated containers can be used for static storage purposes provided the correct power and correct cabling is available. Standard specification reefers require 380 VAC, 3 Phase, 50Hz or 440 VAC, 3 Phase, 60 Hz. Some units have dual power systems and can operate with 180 VAC, 3 Phase, 50 Hz or 220 VAC, 3 Phase, 60 Hz. Dual power containers are equipped with two supply leads enabling the reefer to work on either system. Power consumption is in the range 5.8 kW – 11 kW dependent upon container size, ambient temperature, temperature settings, stowage plans etc. Normal reefer plugs, as fitted to sea going containers, have four pins and not five pins as is common with some land based equipment. The plug receptacles needed are as follows:

230 Volts - Mipco 30 AMP, 250 VAC, 60 Hz, 3P, 4W model 3034FRS or similar.

460 Volts - Mipco 32 AMP, 380/440 VAC, 50/60 Hz, 3P, 4W CEE 17 3h model 3334FRS or similar.

If a single power supply has to power multiple units, a custom-built distribution board will be required. We recommend each socket be fitted with Residual Current Device protection and under volt release. Cargostore can design and supply distribution boards and/or plugs and sockets according to clients' requirements.

E-RF-POWER-70315

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