



Model FREEZE - 500



Model FREEZE - 1050

Features and Benefits

- CFC free refrigeration – environmental friendly.
- Frost – free operation – Relief you of the trouble of defrosting the freezer.
- Oversized cooling system – ensure speedy temperature recovery.
- Built-in overload protection for compressor – ensures lasting operation.
- Lock provided as standard – secure against unauthorized access.
- Door with fan switch stops circulation fan when door is open-reduces temperature fluctuations.
- Large powder coated mild steel cabinet – provides extra storage space and durable usage.
- Temperature control – factory set at -20°C (adjustable from -5°C to -20°C).
- Digital thermometer – temperature is display numerically.
- High density polyurethane foam insulation – reduces operational costs and protects unit from ambient temperature fluctuations.
- Automatic condensate removal – eliminates the need for drain lines.
- Hermetically sealed compressor – sound insulated to reduce noise.
- Forced air circulation – keeps temperature consistent at all levels.
- Double – pane glass door – provides for full – view and eliminated condensation.
- Runs on demand refrigeration design – reduces power consumption.
- Lock in position door – for easy loading and unloading of products.
- Self closing door – ensure against energy loss.
- Full – length adjustable shelves – for easy loading and unloading of stored products.
- Caster wheel with locking brakes – for easy transportation and safety at site when placed in position.



Specifications

MODEL	FREEZE-500	FREEZE-1050
Type	Frost free freezer	
Cabinet construction	Inner wall and outer casing of mild steel with stoves powder paint finish	
Cabinet insulation	CFC-free polyurethane, foam-in-place insulation	
Temp. working range	-5°C to -20°C	
Controller	Digital microprocessor controller with defog, lock and off-set functions	
Temp. setting & display	Digital display to 1°C, adjustable in 1°C increment	
Thermo sensor	PTC	
Air circulation	Aided by circulation fan	
Safety devices	Over temperature protection, built-in overload protection for compressor, ELCB	
Refrigerators	Hermetic seal type	
Refrigerant	404A CFC FREE	
Cooling capacity at -20°C	2632 BTU/hr	5769 BTU/hr
Defrost	Auto defrost by built-in heater	
Capacity	500 litres	1050 litres
Shelves	5 pcs	10 pcs
Chamber dimensions (mm)	520W x 685D x 1270H	1140W x 685D x 1270H
Overall dimensions (mm)	640W x 825D x 2070H	1260W x 825D x 2070H
Power source	240VAC , 50Hz, 7.5A	240 VAC, 50Hz, 8.2A
Weight	130 kg	230 kg

All specifications are subject to change without prior notice.



Model CHILL - 500

Premium Cabinet Construction

- One-piece molded insulation cabinet
- 0.7mm thickness cabinet wall.
- Stainless steel top, bottom panel and evaporator tray
- Full aluminium evaporator console

Features And Benefits

- CFC free refrigeration–environmental friendly.
- Over-sized cooling system – ensure speedy temperature recovery
- Built-in overload protection for compressor – ensures lasting operation.
- Lock provided as standard – secure against unauthorized access.
- Door with fan switch – stop circulation fan when door is open, reduce temperature fluctuations.
- Large epoxy-coated steel cabinet – provides extra storage space and durable usage.
- Temperature control – factory set at +4°C (adjustable from 2 to 8°C)
- Digital controller – temperature is display numerically.
- Interior light – LED Lamp.
- High density one-piece molded insulation cabinet polyurethane foam insulation – reduces operational costs and protects unit from ambient temperature fluctuations.
- Automatic condensate removal – eliminates the need for drain lines.
- Hermetically sealed compressor – sound insulated to reduce noise.
- Forced air circulation – keeps temperature consistent at all levels.
- Double–pane glass door – provides for full–view and eliminated condensation.
- Run on demand refrigeration design – reduce power consumption.
- Lock in position door – for easy loading and unloading of products.
- Self closing door – ensure against energy loss.
- Full-length adjustable shelves – for easy loading and unloading of stored products.
- Caster wheel with locking screws – for easy transportation and safety at site when placed in position.

Specifications

MODEL	CHILL-300	CHILL-500	CHILL-1050	CHILL-1600
Cabinet construction	Epoxy-coated steel interior and exterior			
Cabinet insulation	CFC-free polyurethane, one-piece foam-in-place insulation			
Temp. working range	2°C to 8°C (Preset at 4°C)			
Controller	Digital microprocessor controller with defog, lock and off-set functions			
Temp. setting & display	Digital display to 1°C, adjustable in 1°C increment			
Thermo sensor	PTC			
Air circulation	Aided by circulation fan			
Safety devices	Built-in overload protection for compressor, RCCB, high-low pressure switches			
Refrigerator	Hermetic seal type			
Cooling capacity at 5°C	740W	810W	1250W	2030W
Refrigerant	134a CFC FREE			
Capacity	350 litres	500 litres	1050 litres	1600 litres
Powder coated Shelves	4 pcs	5 pcs	10 pcs	15 pcs
Indicating lamp	LED Lamp			
Chamber dimensions (mm)	510W x 550D x 1270H	525W x 640D x 1430H	1150W x 640D x 1430H	1750W x 640D x 1430H
Overall dimensions (mm)	620W x 735D x 1880H	645W x 825D x 2060H	1260W x 825D x 2060H	1860W x 825D x 2060H
Power source	240 VAC, 50Hz, 2.9A	240 VAC, 50 Hz, 3.5 A	240 VAC, 50 Hz, 4.8 A	240 VAC, 50 Hz, 7.3 A
Weight	95 kg	120kg	165kg	278kg
Option	<ul style="list-style-type: none"> • Data Loggers • Temperature Monitoring System • Extra shelves 			

All specifications are subject to change without prior notice.



Model CF-200 / CF-300 / CF-500

Features and Benefits

- Digitally display to 1°C
- Mounted on casters
- Door lift with spring hinger
- With key lock
- CFC Free refrigerant
- Choice of 190, 290 and 490 litres

Applications

Designed to store pre-frozen products or freeze fresh product and store it for over long periods of time.

Specifications

MODEL	CF-200	CF-300	CF-500
Temp. working range	-5°C to -20°C, Preset at -20°C		
Temperature control	Digital controller display to 1°C		
Net capacity	190 litres	290 litres	490 litres
Exterior and interior construction	Epoxy powder coating on electro-galvanised steel sheet		
Insulation thickness	62mm polyurethane foamed with 141b		
Door	45mm polyurethane foamed with epoxy powder coating on electro-galvanised steel		
Door type	Lifting with spring hinges		
Power consumption per 24hrs at ambient 30°C	2.3 kwh per day	2.6 kwh per day	3.6 kwh per day
Evaporator	Copper tubing on sheet		
Condenser	Copper tubing on sheet		
Refrigerant	CFC free		
External dimensions (mm)	760W x 695D x 915H	1030W x 695D x 890H	1650W x 695D x 915H
Internal dimensions (mm)	630W x 500D x 730H	902W x 500D x 730H	1335W x 500D x 730H
Electrical	240 VAC, 50Hz, 1A		240 VAC, 50Hz, 1.6A
Weight	49 kg	60 kg	86 kg

MODEL 611 HANDY COOLER

PROTECH HANDY COOLER is for you to test and inspect sample at low temperature in any container type which has enough space to hold the spiral cooling. A low temperature can be freely obtained by only putting the cooling spiral coil into container. If temperature below 4°C is desired, please use suitable coolant as liquid. Handy cooler has been widely used in experiments and studies of low temperature in all fields of medical science and laboratories.



Model 611

Specifications

MODEL	611
Working temp. range	Ambient to -20°C
Refrigerator	¼ HP
Refrigerant	CFC free
Capacity	-20°C / 4 litre tank
Cooling coil	Spiral coil diameter 60mm x 120mm
Overall dimensions (mm)	360W x 430D x 280H
Power	AC 110V 60Hz 3A / 220V 50Hz 2.3A
Weight	24 kg

All specifications are subject to change without prior notice.



Polyscientific Enterprise Sdn Bhd
百利企业有限公司 ^{152064 D}

Melaka (HQ)
272, Taman Asean,
Jalan Malim,
75250 Melaka

T +606 3350690 F +606 3351631

Shah Alam
14, Jalan Serendah 26/39,
Kawasan Perindustrian HICOM,
40400 Shah Alam, Selangor

T +603 51036920 F +603 51036980

Penang
16, Jalan Sungai Tiram 7,
11900 Bayan Lepas,
Penang

T +604 6371500 F +604 6371600

Johor
No. 365 Jalan Ekoperniagaan 11,
Taman Ekoperniagaan 2,
Senai Airport City, 81400 Senai,
Johor

T +607 5955243 F +607 5955745

info@polyscientific.com.my

www.poly.my