

DC Appliances for Sustainable Cooling Solutions

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Chennai, India



Control the Future, Invent it

iekill Split type Room Air Conditioners *Technical Specifications*



Model	1.5 Ton	1 Ton
Cooling Capacity W	5275	3500
Input Supply	220 ~ 360 VnDC	
Input Power W	1270	900
COP	4.15	3.89
Energy Consumption/Hour	0.333	0.250
Ambient Temp 0 C	45	
Compressor	PMSM Variable Speed	
Motor Control	Sensor Less FOC	
Refrigerant	R410a	
Liquid Pipe Dia mm	6	6
Gas Pipe Dia mm	12	12
Length of Pipe Standard m	3	4
Maximum distance between Indoor and Outdoor units m	15	15
Additional Gas Charge g/m	20	30
Maximum Level Difference between Indoor/Outdoor units m	5	5
User Interface	Through IR Remote	

2 Ton model can be offered against volumes.

3 & 5 T ducted type packaged air conditioners are under development

iFreez Refrigerators



Technical Specifications

Model	HF 170	HF 300
Supply Voltage	150 ~ 375 V DC	
Capacity Litres	170	300
Height/Width/Depth mm	490 x 520 x 100	605 x 608 x 1570
Temperature Control	Auto	Auto
Insulation	CFC free PUF	CFC free PUF
Refrigerant	R134a/R600a	R134a/R600a
Compressor	BLDC	BLDC
Controls	Sensorless FOC	Sensorless FOC
Input Power W	30	40

50 L model is also available against volumes

170 L model was the Winner of Global Leap competition conducted by CLASP

170 L model is direct cooling type

300 L is two door, Frost Free type

iFreez Deep Freezers



Technical Specifications

Model	DF 250	DF 350
Supply Voltage	150 ~ 375 V DC	
Capacity Litres	236	346
Height/Width/Depth mm	940 x 832 x 666	940 x 1130 x 666
Temperature Range °C	- 18 ~ - 24	- 18 ~ - 24
Insulation	CFC free PUF	CFC free PUF
Refrigerant	R134a/R600a	R134a/R600a
Compressor	BLDC	BLDC
Controls	Sensorless FOC	Sensorless FOC
Input Power W	40	50

Milk Chillers in 350 & 550 Litre are also available. (Temperature is maintained at 1 ~ 5° C in Milk Chillers)

iekill Cold Room



Technical Specifications

Type	: Walk In Cold Room
Operating Temperature	: 0 ~ 8° C
Walls, Roof & Floor	: PPGI, 0.47 mm thick insulated board
Thermal Insulation	: 80 mm thick PUF with density 40 kg/m³
Room Size	: 8' x 7.5' x 7' (This can be customised)
Compressor	: Hermetically Sealed Rotary type
Cooling Capacity	: 5250 W (will change depending on the room size)
Electronic Controls	: Basil proprietary FOC, variable speed type
Solar Operation	: Direct from PV panels
Supply	: 220 ~ 380 V DC
Storad Items	: Milk, Fruits & Vegetables, Pharma items, etc

iBreez Ceiling Fan



Technical Specifications

Item	: Ceiling Fan with 3 blades, axial type
Sweep	: 1150 mm
Rated Voltage	:140 ~ 375 V DC
Motor	: Brushless Permanent Magnet AC Motor
Insulation	: Class B
Motor Enclosure	: Totally Enclosed Air Over type
Bearings	: Deep Groove Ball bearings on both sides
Electronic Controls	: Sensor-less Field Oriented Controls
Ambient Temperature	: 45⁰ C
Free Air Delivery:	150 M³/Minute
Input Power	: 20 W
Service Value:	7.5
Speed Control	: By IR remote