

Plot No. 16, Udyog Kendra, Ecotech III, Greater Noida- 201306, Uttar Pradesh

Test Report No.: 202201060004181

ULR : TC95962200000008F

3. Measuring Equipment and Instruments details

Sr. No.	Instrument / Equipment Name	Make	Accuracy Class	Range	Cal. Valid Date
1.	Psychrometric Calorimeter Method	Testing Laboratory, Ezentech India Pvt. Ltd.	± 2% for Capacity ± 2% for Power	2500 W to 12000 W	NABL Accreditation valid until 13.06.2023

4. Test Condition

a) Temperature settings

Parameters	Specification/Tolerance	Observation		
		Min(°C)	Max(°C)	Average(°C)
Indoor Dry Bulb (°C)	27.00 ± 0.3°C	26.99	27.00	27.00
Indoor Wet Bulb (°C)	19.00 ± 0.2°C	19.0	19.00	19.00
Outdoor Dry Bulb (°C)	35.00 ± 0.3°C	34.98	35.02	35.00
Outdoor Wet Bulb (°C)	Not Applicable	--	--	--
Fan Setting		Turbo		

b) Electrical Input

Supply Voltage (V)	230.00 ± 1.0 %	230.21
Supply Frequency (Hz)	50.00 ± 1.0 %	50.00
Current at Full Capacity (amps)	7.43	7.41
Current at 50% of Full Capacity	--	--
Power Factor	0.955	

c) Frequency settings

	Standard Cooling at Full Capacity (Rated)	Standard Cooling at 50% of Full Capacity (Rated)
Frequency setting (in Hz)	79.5	33.5

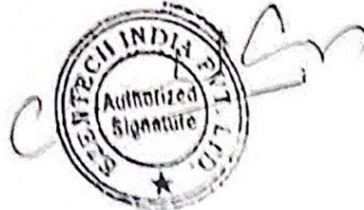
Comtech Enterprises

Proprietor

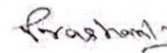
Tested By



(Lab Engineer)



Approved By



(Technical Manager)

Plot No. 16, Udyog Kendra, Ecotech III, Greater Noida- 201306, Uttar Pradesh

Test Laboratory Discipline: Electrical Testing

Test Laboratory Group: Domestic Electrical Appliances

Test Report

Cooling Capacity Test for Split Type (Inverter) Air Conditioner

1. General Information

Laboratory Name	Testing Laboratory, Ezentech India Pvt. Ltd.		
Address	Plot No. 16, Udyog Kendra, Ecotech III, Greater Noida- 201306, Uttar Pradesh.		
Date of Unit Receipt	03.01.2022		
Test Report No.	202201060004181		
ULR	TC95962200000008F	Date Of Testing	06.01.2022
UID	ES0601E004	Date Of Issued	07.01.2022
Tested By	Ashu Singh	Approved By	Prashant Rajaura

2. Details of the Sample Tested

Customer Name / Address	Comtech Enterprises, T298, B1B 2nd Floor, Baljeet Nagar, West Patel Nagar, Near 20 No Road, Delhi- 110008.		
Brand	INDCOOL	Year Of Manufacture	2022
Indoor Model No.	IDCACS18K5	Outdoor Model No.	IDCACS18K5
Indoor Serial No.	IDIDCACS18K5002	Outdoor Serial No.	ODIDCACS18K5002
Refrigerant Type	R-32	Refrigerant charged (gm)	1100gm
Test Standard	IS 1391 (Part 2): 2018, Standard Incorporating Amendment 4, June-2021.		

Standard Cooling at Full Capacity (W)	5200	Standard Cooling at 50% of Full Capacity (W)	2520
Rated Power Consumption (in W) at Standard Cooling at Full Capacity	1610	Rated Power Consumption (in W) at Standard Cooling at 50% of Full Capacity (W)	390
Rated Frequency (in Hz) at Standard Cooling at Full Capacity	79.5	Rated Frequency (in Hz) at Standard Cooling at 50% of Full Capacity	33.5
Rated Power Supply (V, Hz, ϕ)	230V, 50Hz, 1 ϕ	Nominal Current (A)	7.43
Rated CSEC (kwh)	803.75	Rated CSTL (kwh)	4025.27
Rated ISEER	5.01	Star Rating	5 Star

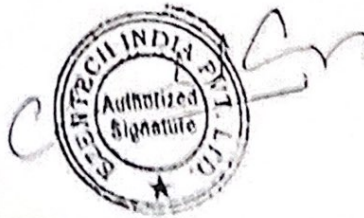
Comtech Enterprises

 Proprietor

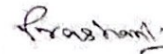
Tested By



(Lab Engineer)



Approved By



(Technical Manager)

Plot No. 16, Udyog Kendra, Ecotech III, Greater Noida- 201306, Uttar Pradesh

Test Report No.: 202201060004181

ULR : TC95962200000008F

5. Test Results**a) Measured input values (at 35°C)**

Standard cooling at full Capacity (W)	5220.04	Standard cooling at 50% of Full Capacity (W)	2294
Sensible cooling at full Capacity (W)	4176.03	Sensible cooling at 50% of Full Capacity (W)	1835.2
Latent cooling at full Capacity (W)	1044.01	Latent cooling at 50% of Full Capacity (W)	458.8
Power consumption(in W) at standard Cooling at full capacity	1387.3	Power consumption(in W) at standard Cooling at 50% of Full capacity	372

b) Calculated input values (29°C)

Standard cooling at full Capacity (W)	5639.04	Standard cooling at 50% Capacity (W)	2512
Power consumption(in W) at standard Cooling at full capacity	1177.3	Power consumption(in W) at standard Cooling at 50% of Full Capacity	254

c) Air Flow

Airflow(M ³ /Hr)	908.16
-----------------------------	--------

d) Calculated & Rated Values

Parameters	Calculated	Rated
CSTL (kWh)	4040.79	4025.27
CSEC (kWh)	763.82	803.75
ISEER	5.29	5.01
Star Rating	5 Star	5 Star

Conclusion:

- The measured total cooling capacity is 102.4% of the rated cooling capacity.
- Test Samples conforms to the Cooling Capacity test as per test Standard **IS 1391(Part2):2018, Standard Incorporating Amendment 4, June-2021.**
- The test covered under the mandatory BEE Star Labeling Program at 24°C as per the S.O. 2527(E) and S.O. 2528(E) dated 8th August-2017.
- Default temperature setting of the room air conditioner at 24°C: YES**

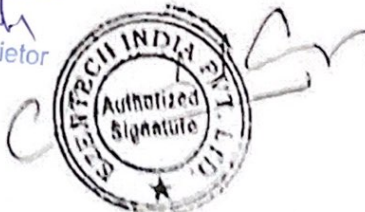
Comtech Enterprises

Proprietor

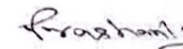
Tested By



(Lab Engineer)



Approved By



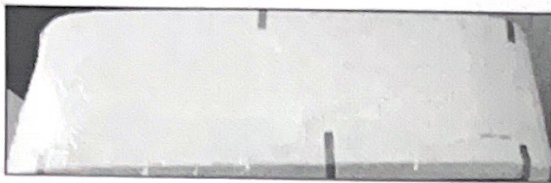
(Technical Manager)

Plot No. 16, Udyog Kendra, Ecotech III, Greater Noida- 201306, Uttar Pradesh

Test Report No.: 202201060004181
 ULR : TC95962200000008F

Product and Rating Label:

Product Pictorial:



Indoor Unit



Outdoor Unit

Product Rating Label:

IDU Name Plate Data	
Model Name	IDCACS18K5
Serial No.	IDIDCACS18K5002
Power Supply	230V,50Hz,1Ø
Cooling Capacity(100%)	5200W
Cooling Capacity(50%)	2520W
Power Input(100%)	1610W
Power Input(50%)	390W
Current	7.43
ISEER	5.01
Air Flow Volume	923.14

ODU Name Plate Data	
Model Name	IDCACS18K5
Serial No.	ODIDCACS18K5001
Power Supply	230V,50Hz,1Ø
Cooling Capacity(100%)	5200W
Cooling Capacity(50%)	2520W
Power Input(100%)	1610W
Power Input(50%)	390W
Current	7.43
ISEER	5.01
Refrigerant Type	R-32
Refrigerant Charge	1100gm

- This test report cannot be copied or reproduced in any way, without the written consent of Ezentech India Private Ltd. The result relates only to the item tested

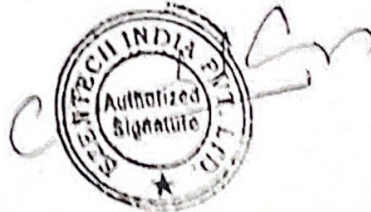
Comtech Enterprises
 Proprietor

-----End of Test Report-----

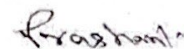
Tested By



(Lab Engineer)



Approved By



(Technical Manager)