

Calculation for Standing Loss Test (As per IS 2082)

Test No.:9

Report No.:9

Quality Assurance	Standing Loss Test Report	Date:
		Report by:9
Product with rated input:	9	
Feeder No :	20	
Sensor No :	2 - ID 03	
DI :	NA	
Inner container used:	Tank	
PUF Specifications/Wt:	Wool	
Heating element used:	Original	
Thermostat used/Real setting:	75 approx	

Test Details

-Test Started on:	09-12-2019	Time:	5:55 PM
-Test Ended on:	11-12-2019	Time:	6:33 PM
-Test Duration (t1) started on:	48.63 hrs		

Energy Consumption Details

-Energy meter reading at the start of the test :	34.161	kWh
-Energy meter reading at the end of the test :	35.151	kWh
-Energy consumption (E1) in time (t1) :	0.99	kWh

Energy consumption in 24 h = 0.489 kWh/24h

Thermostat Readings

Cycle	TEMP		DATE TIME		KWH			Cycle On Time (hh:mm)	Off time (hh:mm)
	OFF	ON	ON	OFF	ON	OFF	Consumption		
1	77	65.2	01-01-2020 01:00	01-01-2020 01:03	34.1	34.22	0.12	00:03	
2	76	66.8	01-01-2020 04:00	01-01-2020 04:05	34.22	34.44	0.22	00:05	02:57
3	77	68.3	01-01-2020 07:00	01-01-2020 07:08	34.44	34.46	0.02	00:08	02:55
4	75	68	01-01-2020 09:00	01-01-2020 09:05	34.46	34.48	0.02	00:05	01:52
5	77	69.2	01-01-2020 13:00	01-01-2020 13:02	34.48	34.529	0.049	00:02	03:55
6	78	68.1	01-01-2020 15:00	01-01-2020 15:05	34.529	34.549	0.02	00:05	01:58
7	78	66.3	01-01-2020 19:00	01-01-2020 19:01	34.549	34.569	0.02	00:01	03:55
8	77	66.5	01-01-2020 23:00	01-01-2020 23:05	34.569	34.589	0.02	00:05	03:59
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PREMIER ELECTROSYSTEMS.
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Average 76.875 67.3
Mean Temp.(M1) = 72.09 (°C)

Total consumption	0.489
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Standing Loss
 = 45*E/(M1-Temp. ambt.)
 = **0.488** kwh/24h/45°C

E	=	0.489	kWh/24h
M1	=	72.09	(°C)
T. ambt.	=	27.00	(°C)

Standing Loss as per ISI for 10 liter cap= **0.990** kwh/24h/45°C

Energy Saving over BIS required value = 50.75 %

Star Rating = 1 star