

Regd. Off & Works : 11 BC, Old Anjirwadi, Dr. Mascarenhas Road, Mazagaon, Mumbai - 400 010 INDIA.
Tel.: 022 - 6171 5600-99 / 2372 0710

Ref No.: KEIPL/

Date: 02.04.2024.

Data Sheet for Model :HDT-800

A) General Product Details:

- | | | |
|----|----------------------------------|--------------|
| 1. | Product under Test : | Siren |
| 2. | Audible Range (Diametrical) : | 8 (Kmtrs) |
| 3. | Supply Voltage : | 420/450v AC |
| 4. | Base Mounting : | Horizontal |
| 5. | Siren Type : | Double Ended |
| 6. | Motor H.P. Rating : | 5 |
| 7. | Motor Rated RPM : | 2800 |
| 8. | Weight of the Unit (Un-Packed) : | 87.000 Kgs |

B) Visual Inspection & Checking:

- | | | |
|-----|--|--|
| 1. | Casting Quality of the Rotor / Housing : | OK |
| 2. | Color of the Paint : | Grey |
| 3. | Quality of the Color & the Painting : | OK |
| 4. | Screws Fitting on the Main Unit : | All Screws Ok & Fitted |
| 5. | Screws Fitting on the Terminal Box : | Yes |
| 6. | Screws Fitting inside the Terminal Box: | Yes |
| 7. | Nameplate Details / Label Description / Motor Body Markings: | |
| | Volts: 420/450 v AC | Range: 8 (Kmtrs) (Diametrical) RPM: 2800 |
| | Model No.HDT-800 | Serial No. 1009316 |
| 9. | Rotor Movement : | Free |
| 10. | Front / (Rear) Guard Covers Fitted Properly ? | Yes |

C) Electrical Testing:

- | | | |
|----|--|-----------|
| 1. | 2 KV High-Volt. Test between Winding & Earth Terminal for 1 Minute : | OK |
| 2. | Megger Tests for Insulation Quality : | 50 M Ohms |
| 3. | Load Current at Full Volume at Supply Voltage: Peak Current : | 32 Amp , |
| | Continuous Current : | 8.5 Amp |

Registered Small Scale Industry

Govt. of Maharashtra Regn. No. 11-07-16490-PMT-SSI Dt. 29.9.1979. • National Small Ind. Corpn. Ltd, Regn. No. NSIC-GPB-RS-K-137 Dt. 24-12-1990.



SHOW ROOM : Shreeji Bhuvan, 78, Lohar Chawl, Mumbai - 400 002. INDIA

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D) Sound Output Level Checking:

1. At a distance of 4 Meter from side of the Siren: 123 (dB)

$$\text{Formula} = M/A = 20 \times \text{antilog} (\text{dbm/dba})$$

Here . M= Measure Distance

A= Actual Distance

dbm= Measure Db

dba = Actual Db usally 60db

$$M/A = 20 \times \text{antilog} (\text{dbm/dba})$$

$$M/4 = 20 \times \text{antilog}(123/60)$$

$$M = 80 \times \text{antilog}(2.05)$$

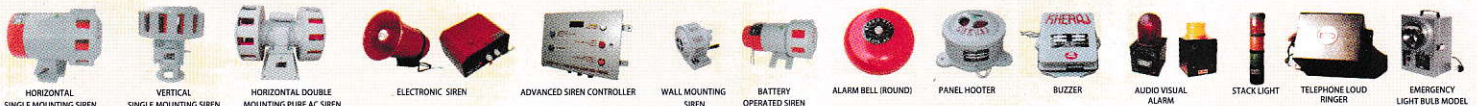
$$M = 8976.14 \text{ Meters}$$

$$M = 8.97 \text{ Kmtr. (Diametrical)}$$



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