**TECHNICAL SPECIFICATIONS FOR POWER OPERATED CHAFF CUTTER**

|  |  |
| --- | --- |
| **1.1** | **General:**  |
| Name of machine | **:** |  |
| Name and address of manufacturer | **:** |  |
| Name and address of applicant | **:** |  |
| Make  | **:** |  |
| Model | **:** |  |
| Type | **:** |  |
| Serial no. | **:** |  |
| Year of manufacture  | **:** |  |
| Country of origin  | **:** |  |
| Suitability of machine | **:** |  |
| Recommended motor power requirement, hp | **:** |  |
| **1.2** | **Brief specifications of prime mover used:** |
| Type | **:** |  |
| Make and model | **:** |  |
| Motor serial no. | **:** |  |
| No load motor speed  | **:** |  |
| Motor power, kW | **:** |  |
| Whether the prime mover has already been test by authorized testing center (YES/NO) | **:** |  |
| If yes, then specify the valid test report No. and upload copy of the test report along with Application Form  | **:** |  |
| **1.3** | **Constructional details:**  |  |  |
| **1.3.1** | **Main frame**  |  |  |
| Type | **:** |  |
| Material & size, mm | **:** |  |
| Dimensions of frame, mm | **:** |  |
| **1.3.1.2** | **Mounting frame for prime mover:**  |
|  | Constructional detail  | **:** |  |
| Material & size, mm | **:** |  |
| Dimensions of frame, mm | **:** |  |
| Method of mounting  | **:** |  |
| **1.3.2** | **Chaff cutter assembly:**  |  |  |
| **1.3.2.1** | **Main power transmission:** |  |  |
| Type |  |  |
| Size of drive pulley, mm | **:** |  |
| Size of driven pulley, mm | **:** |  |
| Type & size of belt | **:** |  |
| Reduction ratio | **:** |  |
| Arrangement for belt tensioning | **:** |  |
| **1.3.2.2** | **Cutter head:** |  |  |
| **Fly-wheel:** |  |  |
| Number  | **:** |  |
| Material  | **:** |  |
| Diameter of fly-wheel, mm | **:** |  |
| Thickness of fly-wheel, mm  | **:** |  |
| **1.3.2.2.1** | **Blades:**  |  |  |
| Type  | **:** |  |
| Number of blades  | **:** |  |
| Number of optional blades | **:** |  |
| Material of blades  | **:** |  |
| Size of blades L × W × T), mm | **:** |  |
| Method of mounting | **::** |  |
| **1.3.2.2.2** | **Shear plate (Fixed edge):** |  |  |
| Number | **:** |  |
| Material | **:** |  |
| Size (L x W x T), mm | **:** |  |
| Method of mounting | **:** |  |
| Recommended clearance between fixed & rotating blades | **:** |  |
| Method of clearance adjustment | **:** |  |
| **1.3.2.4** | **Feeding assembly:** |  |  |
| **1.3.2.4.1** | Type | **:** |  |
| Material | **:** |  |
| Size of feeding chute unit (L x W x T), mm | **:** |  |
| Height of feeding trough, mm | **:** |  |
| Angle of inclination of tray, degree  | **:** |  |
| **1.3.2.4.2** | **Gear box:** |  |  |
| Type  | **:** |  |
| Material | **:** |  |
| Number of teeth on worm | **:** |  |
| Number of teeth on gear | **:** |  |
| Method of power transmission | **:** |  |
| Method of lubrication  | **:** |  |
| Recommended lubricant | **:** |  |
| **1.3.2.4.3** | **Feed Rollers:** |  |  |
| Number of rollers | **:** |  |
| Type | **:** |  |
| Material | **:** |  |
| Size of upper roller, mm | **:** |  |
| Size of lower roller, mm | **:** |  |
| Number of teeth & their configuration on upper roller | **:** |  |
| Number of teeth & their configuration on lower roller | **:** |  |
| Number of strips & their configuration on additional roller | **:** |  |
| Pitch of teeth, mm | **:** |  |
| Size of upper roller shaft, mm | **:** |  |
| Size of lower roller shaft, mm | **:** |  |
| **Space between the axes of upper & lower roller shaft, mm:** |
| - Minimum | **:** |  |
| - Maximum | **:** |  |
| Method of space adjustment | **:** |  |
| Speed of feeding rollers corresponding to ------motor rpm, rpm | **:** |  |
| **1.3.3** | **Outlets:**  |  |  |
| No. of outlets  | **:** |  |
| Size of opening (L x W x H), mm | **:** |  |
| Height from ground level, mm | **:** |  |
| **1.3.4** | **Details of safety arrangements:**  |  |  |
| **1.3.5** | **Overall dimensions (mm):**  |
| -Length | **:** |  |
| -Width | **:** |  |
| -Height | **:** |  |
| **1.3.6** | **Mass of Machine (Kg): -** | **:** |  |
| **1.3.7** | **Colour of machine** | **:** |  |

|  |  |
| --- | --- |
| **1.3.8** | **Details of Labeling plate on machine:**  |
|  |  |
| **1.3.9** | **Details of Labeling plate on prime mover:**  |
|  |  |

**Place: Signature------------------------------------------**

**Date:** Name of the applicant---------------------------

 Designation---------------------------------------

 Address-------------------------------------------

 ----------------------------------------

 ----------------------------------------