**TECHNICAL SPECIFICATIONS FOR POWER OPERATED CHAFF CUTTER**

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| **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** | | | **:** |  |

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

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

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

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

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