

# ANTAM TEST REPORT

**ANTAM Logo**

**Approval Number:**

**Date of Approval:**

**Report on test in accordance with ANTAM Test Code** (Please insert number of the Code)

PHOTO of the Machine

Make /model of machine

**Testing station report number**

**The date reported on completion of the test**

**Testing station**

**-Name**

**-Address**

**-Contact**

## ANTAM TEST REPORT

### Remarks

- This test report provides the results of the tests conducted in accordance with the ANTAM Test Codes as per version provided in cover page.
- This report is invalid without the official stamp of ANTAM.
- Any amendment to this document is not allowed.
- The data given in this report pertain to the particular machine submitted by the applicant for test.

## ANTAM TEST REPORT

Product		
	Model	
	Trade Mark	
ANTAM Test Code		
Type of Test	(Commercial/confidential)	
Authorized test center		
	Address	
	Contact Details	
Manufacturer	Address	
	Contact Details	
Test Location		
Period of Test		
Month/ Year		
Number of samples		Date of Manufacture
Serial numbers of machines (highlight the serial numbers of the machine corresponding to the test results)	1.	
	2.	
	3.	
Date of Reception		
Submitted by	Name	Contact No.
Received by	Name	Contact No.

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### TECHNICAL SPECIFICATIONS

(P: Pass, F: Fail, NA: Not Applicable)

	GENERAL	Specifications	P/ F / NA
1.0	Overall Dimensions (length x width x height) / (mm)		
	Net Weight (without liquid/dust) / (kg)		
2.0	<p>ENGINE</p> <p><i>(No test necessary if a certified test report is provided by the manufacturer (according to either one of the following standard: IS 7374-1974, JB/T 5135.1 or ISO 8178.4-2007)</i></p> <p>Engine Certification Number:</p> <p><b><i>(If no engine test certification provided the equipment might be rejected)</i></b></p>		
2.1	Make/Type/Model/Country		
2.2	Serial Number		
2.3	<p>Engine (manufacturer's recommended settings)</p> <ul style="list-style-type: none"> <li>- Rated Power /(kW)</li> <li>- Maximum Torque / (Nm)</li> <li>- Maximum Revolution Speed at no load / (rpm)</li> <li>- Speed at Maximum Torque, / (rpm)</li> <li>- Specific Fuel Consumption / (g/kWhr)</li> <li>- Specific Oil Consumption / (g/kWhr) (where relevant)</li> </ul>		
2.4	Type of fuel used (Octane Number)		

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2.5	Fuel tank Capacity / (l)		
2.6	Presence of strainer at engine tank inlet	Y / N	
2.7	Type of fuel filter		
2.8	Starting system: - Type - Aids for cold starting, if any - Any other device provided for easy starting		
2.9	Noise level at maximum speed/ (dB(A))		
3.0	FRAME		
	Material of construction		
	Size (Width x Height x Length)		
4.0	TANK		
	Shape (Trapezoidal/Cylindrical/Any other)		
	Size: (Trapezoidal: Width x Height x Depth) / (mm) (Cylindrical: Diameter x Length) / (mm)		
	Tank capacity / (l)		
	Material of construction		
	Size of liquid filling hole / (mm)		
	Strainer or filter mesh size / (mm)		
	Tank level demarcation		
	Extra volume of 5%	Y / N	
5.0	BACK REST		
	Size (Width x Height x Thickness) / (mm)		
	Material		

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6.0	STRAP		
	Material of strap		
	Material of strap buckle		
	Quick release mechanism		
	Width and thickness of strap / (mm)		
	Minimum and maximum strap length can be used / (mm)		
7.0	MISTING/DUSTING DUCT		
	Types of misting/dusting duct equipped		
	Misting/Dusting duct internal diameter and length / (mm)		
	Air hose: length and internal diameter / (mm)		
	Presence of air flow regulator	Y / N	
8.0	BLOWER		
	Impeller type: fully enclosed / partially enclosed		
	Impeller type: fully enclosed / partially enclosed <ul style="list-style-type: none"> <li>- Material</li> <li>- Diameter / (mm)</li> </ul>		
	Impeller blade type: forward bent / radial / backward bent Number of blades		
9.0	DETAILS OF AGITATING DEVICE PROVIDED (if any)		
10.0	LIST OF STANDARD ACCESSORIES/PARTS PROVIDED WITH EQUIPMENT (provide as annex)		
11.0	PUBLICATIONS <ul style="list-style-type: none"> <li>- Operator's manual</li> <li>- Service manual</li> <li>- Parts catalogue</li> </ul>	Comply / Not comply Comply / Not comply Comply / Not comply	





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## TEST RESULTS

### A. COMPONENT TEST

S/N	Particulars	Performance Specification	Test Result	Remarks P/F/NA
1	Leakage test of the whole machine	Every component shall be tightly sealed without leakage.		
2	Chemical tank leakage test	Maintained pressure of 10 kPa during 1 min without leakage		
3	Blower fan over speed test	Blower fan tested at 1.3 rated speed. Repeated 3 times each for 5 min. Blower fan blade shall not damage, loose parts or deform.		
4	Accelerated aging test			
5	Strap chemical absorption test	<30%		
6	Strap Drop Test	There shall be no damage on load bearing straps and their fixation points that reduces their functionality as a consequence of the specified strap drop test.		

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### B. PERFORMANCE TEST

S/N	Item	Particulars	Unit	Performance specification	Test result	Remarks P/F/NA
1.	HORIZONTAL MISTING	Range	m	(declared by the manufacturer)	diagram in annex	
		Width	m	(declared by the manufacturer)		
		Discharge rate (average)	l/min	(declared by the manufacturer)		
		Coefficient of variation (CV)	%	<6%		
		Residues	l	<0.1		
		Droplet size (VMD)	µm			
		Droplet density	droplets/cm <sup>2</sup>	if available		
2.	VERTICAL MISTING	Deposition at 3m			diagram in annex	
		Discharge rate (average)	l/min	(declared by the manufacturer)		
		Coefficient of variation (CV)	%	<6%		
3.	HORIZONTAL DUSTING	Range	m	(declared by the manufacturer)	diagram in annex	
		Width	m	(declared by the manufacturer)		
		Discharge rate	kg/min	(declared by the manufacturer)		

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		Deviation	%	<15%		
		Idle discharge	g/min	<40		
4.	VERTICAL DUSTING	Discharge rate	kg/min	(declared by the manufacturer)		
		Deviation	%	<5%		
5.	BLOWER FAN	Air velocity profile			diagram in annex	
		Air flowrate	m <sup>3</sup> /min			

### C. SAFETY AND ENDURANCE

S/N	Item	Particulars	Unit	Performance specification	Test result	Remarks P/F/NA
1.	NOISE TEST	dB(A)	≤95			
2.	VIBRATION TEST	m/s <sup>2</sup>	≤15			
3.	MTTF					
4.	SAFETY LABELS		Firmly fitted / informative			
5.	QUALITY OF ASSEMBLY AND APPEARANCE		<ol style="list-style-type: none"> <li>1. All joints must be firm reliable, rotational parts should be flexible; easily controlled; rated power shall be obtained for the maximum position of the throttle. At the lowest position, the engine shall stop.</li> <li>2. All parts shall not be deformed, slanted, the paint coat quality should meet with quality</li> </ol>			

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			standard two and above.			
6.	EASE OF OPERATION		<ol style="list-style-type: none"><li>1. Control devices should be easy and reliable</li><li>2. Easy conversion from mister to duster</li><li>3. Easy maintenance</li><li>4. Easy cleaning</li></ol>			

### Remarks and Suggestions

Signature of test engineer  
Address:

Signature of Head of Testing Station  
Address:

Official

Date: