



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF AIR ASSISTED SPRAYER

1	General		
	Name and Address of the applicant	:	
	Name and Address of manufacturer		
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Batch No/Code No.	:	
	Capacity of Sprayer, lit	:	
	Serial No	:	
	Recommended working pressure, kg/cm ²	:	
	Output capacity, l/min (approx.)	:	
	Year of Manufacture	:	
	Optional connection	:	
Mass, kg.	:		
2	Recommended Source of Power	:	
	Prime More Used	:	
2.1	Propeller shaft		
	Type	:	
	Length of shaft, mm		
	Maximum	:	
	Mass of shaft, kg	:	
	Provision of locking	:	
	Hub Dimension, mm Refer Fig.1 As per IS 4931:1995, mm		

Notation	As per IS:4931:1995, mm	As observed, mm	Remarks
DØ	34.93 ± 0.03		
dØ	29.7 ± 0.7		
W	8.69 (Min)		
B	--		

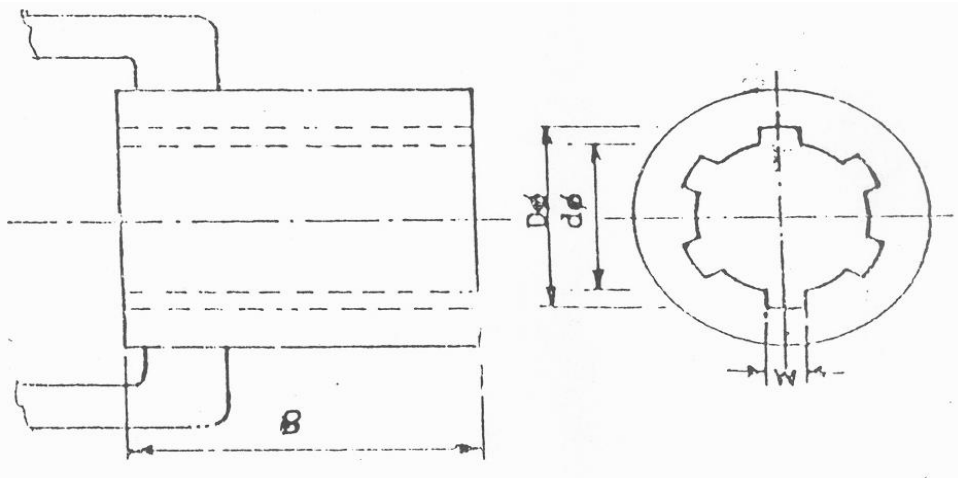


Fig: 1 Hub dimensions

3 Pump Description

Make of pump	:	
Type	:	
Diaphragm material	:	
Pump body material	:	
Piston	:	
No. of Plunger	:	
Recommend pump speed for spraying, rpm	:	
Suction Volume, l/min	:	
Rated pressure for spraying, bar	:	
Pump, hp (kW), apa.	:	

4	Nozzle and spray gun		
4.1	Nozzle		
	Make	:	
	Type	:	
	Designation	:	
	Recommended operating pressure, Kg/cm ²	:	
	Discharge rate, lit/min	:	
	Arrangement of nozzle	:	
	No. of nozzles	:	
4.2	Spray Gun (Optional)		
	Make	:	
	No. spray gun	:	
	Orifice size	:	
	Arrangement of gun	:	
5	Tank		
	Shape	:	
	Height & dia., mm	:	
	Capacity, lit	:	
	Material	:	
	Method of Mounting	:	
6	Main Frame		
	Type	:	
	Size, mm (Length X Width)	:	
7	Wheel		
	Nos. of wheel	:	
	Tyre size with ply rating	:	
	Track width , mm	:	
	Ground clearance, mm	:	
8	Axle		

	Material	:	
	Length, mm	:	
	Size , mm	:	
9	Drawbar hitch		
	Material	:	
	MS Square section, mm	:	
	Total length, mm	:	
10	Eye bolt		
	Material	:	
	Dia., mm	:	
11	Agitation Device		
	Make	:	
	Type	:	
	Nos. of agitation device	:	
12	Fan description		
	Type of fan	:	
	Material	:	
	Size of fan, mm	:	
	No of blades	:	
	Safety guard	:	
13	Gear box details		
	Ratio of gear box		
	No of teeth on 1 st gear	:	
	No of teeth on 2 nd gear	:	
	Ratio	:	

	No of teeth on 3 rd gear	:	
	No of teeth on 4 th gear	:	
	Ratio	:	
	Safety guard	:	
14	Filter		
	Make	:	
	Mesh size	:	
	Size, mm	:	
	Arrangement	:	
15	Screw Jack/Stand		
	Material	:	
	No of jack	:	
	Size	:	
	Height, mm	:	
	Method of attachment	:	
16	Accessories		
	For operators safety against pesticides	:	
	Tool kit	:	
17	Overall dimensions, mm		
	Length (without hose), mm	:	
	Width, mm	:	
	Height, mm	:	
	Colour	:	
19	Mass with all accessories and without fuel and chemicals, kg	:	
20	Mass with all accessories, fuel and chemicals tank, kg	:	
21	Application/Area of Use	:	
22	Marketing/Labelling	:	

Sr. no.	Parameters	:	Details
1	Make	:	
2	Model	:	
3	Sr No	:	
4	Tractor power required	:	
5	Year of manufacture	:	
7	Name and address of manufacturer	:	