



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF BATTERY OPERATED KNAPSACK SPRAYER

1	General		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Batch No/Code No.	:	
	Capacity of Sprayer, l	:	
	Serial No	:	
	Recommended working pressure, kg/cm ²	:	
	Output capacity, l/min	:	
	Year of Manufacture	:	
Mass, kg.	:		
2	Recommended source of power	:	
	Performance parameters declared by applicants	:	
2.1	Make	:	
2.2	Type	:	
	Rating	:	
	Voltage	:	

	Capacity at C20 discharge rate	:	
	Dimension, mm	:	
	Wight, kg	:	
	Charging Efficiency, %	:	
	The battery shall reach at least 100% rated capacity (12Ah) within 5 cycles when discharge cycle is repeated	:	
	The battery shall be fully charged and stored on open circuit for 120 days. After the storage the capacity shall be not less than 75% of actual capacity C _a (9.285Ah)	:	
	After deep discharge and recharging, the capacity of the battery shall be not less than 75% of C ₂₀ (9.00Ah)	:	
	Charging efficiency	:	
	Charger	:	
	Charging system	:	
	Volt indicator	:	
	Current regulator	:	
	Switch, On/Off	:	
3	Pump	:	
	Type	:	
	Make	:	
	Model	:	
	Discharge, lit/min	:	
	Maximum Pressure,	:	
	Wight, kg	:	

	Motor	:	
	Duty Cycle	:	
	Ampere	:	
4	Optional source of power	:	
4.1	Performance parameters declared by applicants	:	
4.2	Piston		
	Material	:	
	Shape	:	
	Size (Dia. & Length), mm	:	
4.2	Pump cylinder		
	Material	:	
	Shape	:	
	Size (Dia. & Length), mm	:	
	Stroke length, mm	:	
4.3	Pressure chamber		
	Material	:	
	Shape	:	
	Size (Dia. & Length), mm	:	
	Capacity, cm ³	:	
5	Connecting lever		
	Material	:	
	Size (Dia. & Length), mm	:	
6	Handle		
	Material	:	
	Size (Dia. & Length), mm	:	
6.1	Handle grip		
	Material	:	
	Size (Dia. & Length), mm	:	
7	Tank		

	Capacity, l		
	Material		
8	Nozzle		
	Make		
	Type		
	Designation		
	Number of nozzle		
	Number of holes		
	Size of nozzle, mm		
	Recommended operating pressure, Kg/cm ²		
	Recommended discharge rate, l/min (for cone spray & jet spray)		
	Recommended cone angle at 3 kg/cm ² pressure, degree		
9	Overall dimensions (Without hose and leaver), mm		
	Height	:	
	Length	:	
	Width	:	
	Colour	:	
10	Accessories		
	For operator's safety against pesticides	:	
	Tool kit	:	
11	Mass with all accessories and without fuel and chemicals, kg	:	
12	Mass with all accessories, fuel and chemicals tank, kg	:	
13	Application/Area of Use	:	
14	Marketing/Labelling	:	
	Sr. no.	Parameters	Details

	1	Make	:	
	2	Model	:	
	3	Sr No	:	
	4	Battery rating	:	
	5	Discharge, l/min	:	
	6	Year of manufacture	:	
	7	Name and address of manufacturer	:	

Place:

Date:

Signature:_____

Name:_____

Designation:_____