



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF ENGINE 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	:	
	Recommended engine speed, rpm	:	
	Output capacity, l/min	:	
	Year of Manufacture	:	
Mass, kg.	:		
2	Prime mover	:	
Prime mover used	:		
Make	:		
Model	:		
Engine. No	:		
CM/I No.	:		

	Country of origin	:	
	Power, kW	:	
	Rated speed, rpm	:	
3	Cylinder		
	Number	:	
	Displacement	:	
	Compression ratio	:	
	Cylinder lining	:	
	Cubic capacity, cm ³	:	
	Bore/stroke, mm	:	
4	Fuel and lubrication system		
	Type of fuel used	:	
	Fuel feed	:	
	Capacity of fuel tank, l	:	
5	Air cleaner		
	Type	:	
	Height of air cleaner above ground level, mm	:	
	Location	:	
6	Ignition system		
	Type	:	
	Spark plug	:	
	Electrode gap, mm	:	
7	Cooling system		
	Type	:	
8	Starting system		
9	Exhaust pipe		
	Shape	:	
	Height above ground level, mm	:	
	Location	:	

10	Tank		
	Shape	:	
	Size, mm (L x B x H)	:	
	Capacity, l	:	
	Method of mounting	:	
11	Frame		
	Type	:	
	Size, mm (L x B x H)	:	
12	Agitation Device		
	Type	:	
	Method of working	:	
13	Spray nozzle		
	Type	:	
	Number nozzle	:	
	Recommended operating pressure, kg/cm ²	:	
	Recommended discharge, ml/min (cone and jet spray)	:	
	Recommended cone angle at 3 kg/cm ² pressure, degree	:	
14	Spray gun		
	Make	:	
	Type	:	
	Designation	:	
	Recommended operating pressure, kg/cm ²	:	
	Recommended discharge, ml/min (cone and jet spray)	:	
	Recommended cone angle at 3 kg/cm ² pressure, degree	:	
15	Pump		
	Make	:	
	Type	:	
	Pump body material	:	
	No. of piston	:	
	Recommend engine speed for	:	

	spraying, rpm			
	Piston diameter/ stroke, mm	:		
	Suction Volume, l/min	:		
	Rated pressure for spraying, kg/cm ²	:		
	Nos. of teeth of gear on engine shaft	:		
	Nos. of teeth of gear on pump shaft	:		
	Gear reduction ratio engine to pump	:		
16	Accessories (operator safety against pesticides)	:		
17	Overall dimensions (Without hose and lever), mm			
	Height	:		
	Length	:		
	Width	:		
	Colour	:		
18	Mass with all accessories and without fuel and chemicals, kg	:		
19	Mass with all accessories, fuel and chemicals tank, kg	:		
20	Application/Area of Use	:		
21	Marketing/Labelling	:		
	Sr. no.	Parameters	:	Details
	1	Type	:	
	2	Make & Model	:	
	3	Sr No	:	
	4	Engine (make & model)	:	
	5	Discharge, l/min	:	
	6	Year of manufacture	:	

Place:

Date:

Signature: _____

Name: _____

Designation: _____

