PROTEKTOR 600 - Self Propelled High Clearance Boom Sprayer

SHAKTIMAN PROTEKTOR is especially designed for wider range and coverage of crops to spray all types of pesticides, weedicides and fungicides. High ground clearance ensures no damage for tall ground crops like Cotton, Sunflower, Paddy, Chilli etc. Its compact design, hydrostatic and hydraulic system enable it to perform spraying operation easily and effectively.

**Advantages**
- Wider boom length span ensures extensive coverage
- High ground clearance saves tall crops like Cotton, Paddy, Chilli etc. against damage while spraying
- Equipped with efficient Nozzles for deep penetration of pesticides and top to bottom leaf surface coverage
- Spray more acres in reduced time

**Remarkable flexibility of the machine is well suited to cater all needs of end user. It is equipped with 2 way triple action nozzles with extra mileage of ceramic discs that blast the spray into low micron droplet size, assuring appropriate penetration into crops and saving of chemicals.**

### Machine Dimensions

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length (mm)</td>
<td>3550</td>
</tr>
<tr>
<td>Overall Width (mm)</td>
<td>1750</td>
</tr>
<tr>
<td>Overall Height (mm)</td>
<td>2730</td>
</tr>
<tr>
<td>Wheelbase (mm)</td>
<td>1570</td>
</tr>
<tr>
<td>Tread (mm)</td>
<td>1535</td>
</tr>
<tr>
<td>Effective Ground Clearance (mm)</td>
<td>1080 (Min)</td>
</tr>
<tr>
<td>Min. Ground Clearance (mm)</td>
<td>1040</td>
</tr>
</tbody>
</table>

**Engine**

- Type: 3-cylinder, standing, 4-stroke diesel engine
- Rated Output: 22 HP (16.5 kW) at 3000 rpm
- Fuel Tank Capacity: 16.5 L
- Starting Method: Key starter (Battery 12 V DC)

**Transmissions Details**

- Type: Full hydraulic power steering
- Gear Shifting: 2 shift, forward + reverse, 2 speeds
- Traveling Speed: 0-10 km/h, Spraying: 0-5.0 km/h
- Brake: Wet, multi-disk, mechanical type
- Tyre OD: 120/90-26 4PR (Air pressure: 240 kpa)

**Spray Pump**

- Pump Revolution: 540 rpm
- Suction Capacity: 54 L/min
- Max. Pressure: 4.5 MPA
- Atomization: Ceramic 80° Hollow Cone & 110° Flat Fan (Both)
- Agitation: Jet Agitation

**Pesticides or Chemical Holding tank**

- Capacity: 600/400 Ltr. (Optional)
- Type: Jet Agitation
- Pump Revolution: 540 rpm
- Suction Capacity: 54 L/min
- Max. Pressure: 4.5 MPA
- Agitation: Ceramic 80° Hollow Cone & 110° Flat Fan (Both)

**Spray Nozzles**

- Nozzle Discs: Ceramic 80° Hollow Cone & 110° Flat Fan (Both)
- Number of Nozzles: 16 (6+4+6)
- Number of Divisions: 3
- Spray Width: 7.8 Meters

**Agitator**

- Type: Changeable (As require)
- Suction Capacity: 54 L/min
- Max. Pressure: 4.5 MPA
- Atomization: Ceramic 80° Hollow Cone & 110° Flat Fan (Both)

**Weight Dry. (Kg/lbs)**

- Weight Dry: 995 / 2194 lbs

**Crop Guard**

- Standard Features & Accessories:
  - Ceramic Nozzle Tips Hollow Cone & Flat Fan
  - All-wheel drive with smaller turning radius of 2.9 mtr
  - 22 HP water cooled 3 cylinder engines

*Accessories shown are not part of standard equipment.*
**Advantages**

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