

Type : SM78 12V Starter Motor



APPLICATION

Light weight pre-engaged Starter Motor designed for petrol engines up to 1500 cc capacity.

RATINGS:

Electrical

System Voltage : 12V
Polarity : Negative earth

Thermal

Operating temperature range : -30°C to +93°C
For operations below - 5°C : Consult Lucas-TVS for recommendations on battery capacity.

CHARACTERISTICS:

Performance data at + 20C with 45AH fully charged battery.
For full load conditions, the following typical power, lock torque and run torque values are as stated below:

Mechanical:

Power output : 0.9 kW

Operating of Solenoid Switch

Pull-in voltage 8 V max, when pinion travel is restricted to 2 mm.
Performance curve and principal dimensions are given overleaf.
Detailed drawing available on request.
Weight : 3.3 kgs (approx)

FEATURES:

Pre-engaged Starter Motor with Roller Clutch for over run Protection.
Rotation : Clockwise (viewed from drive end)

Fixing:

Flange mounted to fly wheel housing. Fixing bracket configuration to suit individual installation.

Pinion:

An 8 teeth 2.54 Module Pinion is available, as standard. Other Pinion types are also available on request.

TERMINATIONS :

Stud Terminations:

Battery : M8 x 1.25
Solenoid : 6.3mm Lucar Blade

Enclosures :

Externally protected (except from bell housing) against water and oil spray.

Condition	Voltage (Volts)	Current (Amps)	Torque (Kg-m)	Speed (RPM)
No Load	11.5	55max	-	6500 min
Load	9.0	150 max	0.29 min	2000 min
Locked	5.5	430 max	1.0 min	-

