

Starter Motor

Type : 9M14

24V-4.5Kw



APPLICATION :

Pre-engaged Starter Motor designed for Commercial Vehicles powered by diesel Engines upto 8.5 Litres capacity.

RATINGS :

Electrical

System Voltage : 24 Volts
Polarity : Bi-Polar

Mechanical :

Rotation : Clockwise (viewed from Drive end)

Thermal :

Operating Temperature range :
-5°C to +93°C For operations down to -5°C.
Consult Lucas TVS for recommendations on Battery capacity and cold starting side.

CHARACTERISTICS :

Performance data at +20°C
For full test conditions under which the following typical power, Lock Torque and Run Torque values apply with a fully charged Battery.

Power Output : 4.5 Kw
Lock Torque : 4.8kg.m (min.) at 15 Volts and current 900 Amps (max)
Run Torque : 2.4kg.m. at 18.0 Volts and current 600 Amps. (max) at 1200 RPM (min)

Refer performance curve overleaf

Weight : 13.2 Kg (approx.)
Dimension : Principal dimensions are given overleaf.
Fully detailed drawing available on request.

FEATURES :

Fixing

Flange mounted to fly wheel housing. Spigot diameter location, with three fixing holes on a pitch circle dia to suit the installation.

Pinion :

Heavy duty Roller clutch Drive Assembly with various pinion forms to suit, wide range of applications.

Integral Solenoid Relay :

Ignition switch of lower current rating can be used along with lesser cross section cables in control circuit of vehicle.

Thermal Cut-Out (TCO) :

Thermal cut out cuts off electrical supply to starter in the event of prolonged cranking of engine/inching of vehicle and resets after cooling. This prevents thermal damage to starter.

Enclosures :

Externally protected against water and oil entry.

Terminations :

Pos Terminal : M10 X 1.5
Solenoid Terminal : M6 X 1.0
Neg. Terminal : M10 X 1.5

