

Starter Motor

Type : 8M14

24V-4.5Kw



APPLICATION :

Pre-engaged Starter Motor designed for Commercial Vehicles powered by diesel Engines upto 6.5 Litres capacity.

RATINGS :

Electrical

System Voltage : 24 Volts
Polarity : Negative Earth

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 : 48Nm at 14.4/15.2 Volts and current 900 Amps (max)
Run Torque : 24Nm at 18.2 Volts and current 550 Amps. (max) at 1300 RPM (min)

Refer performance curve overleaf

Weight : 11.5 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.

Built-in 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 the starter.

Enclosures :

Externally protected against water and oil entry.

Terminations :

Earth Terminal : M10 X 1.5
Main Terminal : M10 x 1.5
Solenoid Terminal : M6 x 1.0

