
FHP Permanent Magnet DC Motors Type FHM 7—250 Watts 12/24v Supplies



APPLICATION

For use in non-hazardous areas, designed for fan drive applications typically, vehicle engine cooling, passenger and cab climate control systems on cars, commercial vehicles, railway coaches and off highway equipment.

INSULATION CLASS

Motors are wound with Class F insulation with Class F rise.

For operation in an ambient temperature range of -30°C . to $+40^{\circ}\text{C}$. Designs for temperatures outside these parameters are available.

SUPPLIES

12 or 24v DC

ENCLOSURE AND COOLING

Protection to IP20 - ventilated type
IP44 - totally enclosed

MOUNTING ARRANGEMENTS

Motors are available with various mounting flanges to suit the application, or less flange for clamp type mounting

DRIVE SHAFTS

Standard drive shafts are plain parallel type, either 6 or 8mm diameter. Splined, key-wayed stepped and alternative length shafts are available. Also double shaft extensions for twin volume blower units.

ELECTRICAL CONNECTIONS

Connections are 6.3mm male blade type. These are housed within the periphery of the motor casing for standard length brushes. For motors with long brushes (extended life) the connectors are located on the axial surface of the brush box.

Examples of the basic motor and motors with extended life brush-gear are shown overleaf.

PERFORMANCE

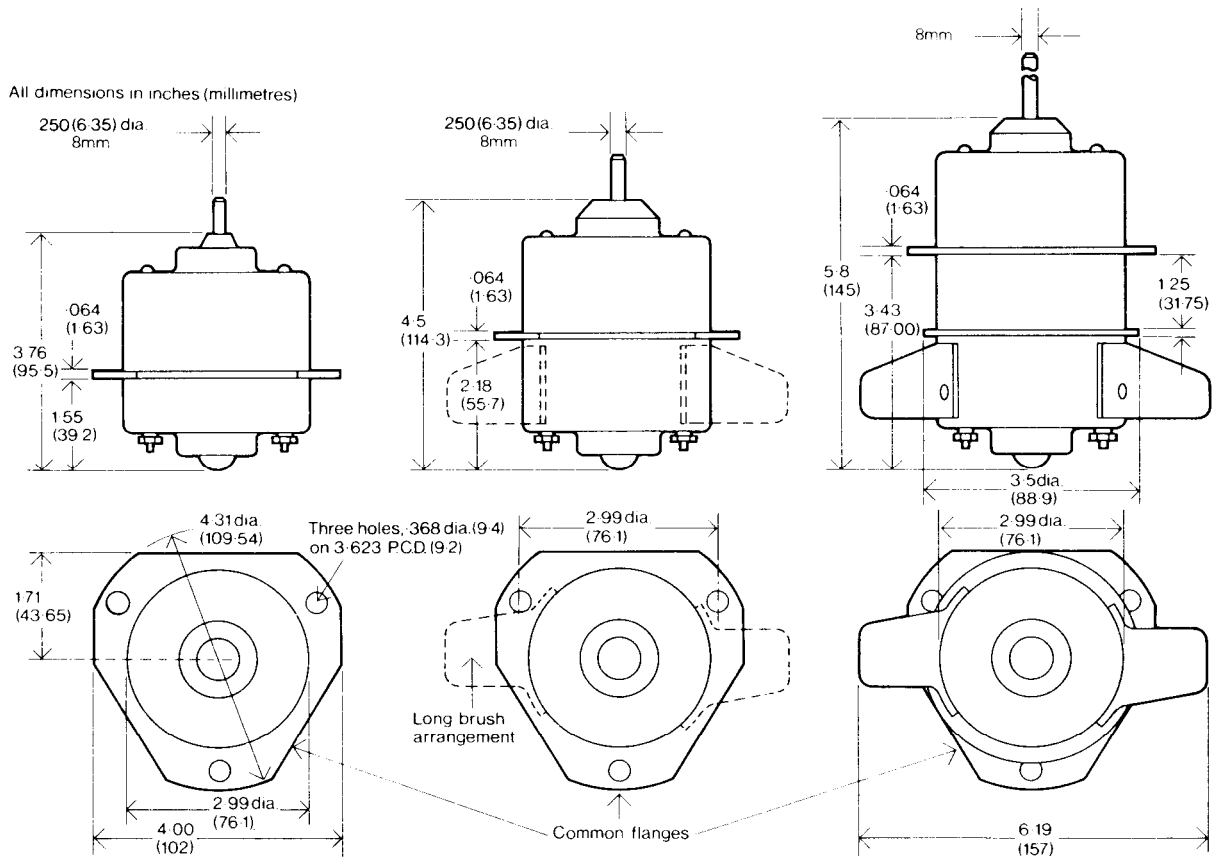
Typical performance data is shown overleaf for short, long and extended core motors, giving a range of outputs from 7—200 watts.

Other machines manufactured by STS include ATEX approved explosion-proof AC and DC motors, safe area DC motors up to 200 kW, DC generators and dynamometers.

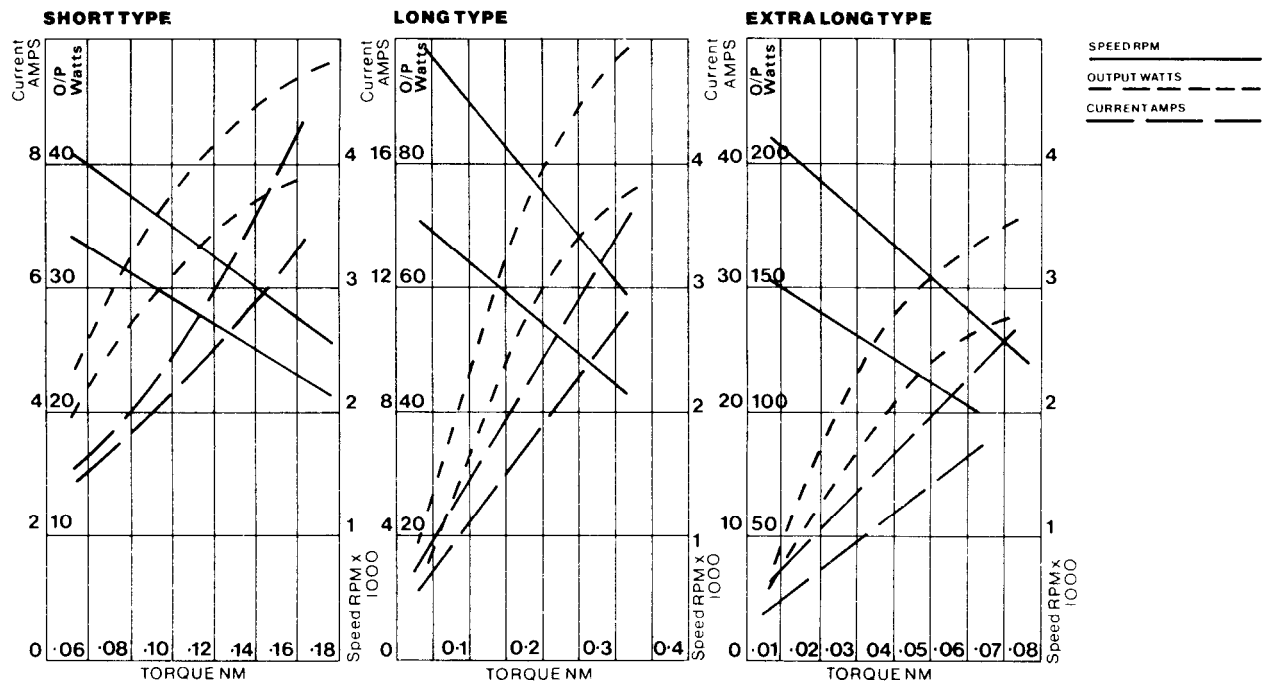
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INSTALLATION · DETAILS



TYPICAL PERFORMANCE DETAILS



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