Single Phase
FHP
MOTORS

Crompton Greaves
EVERYDAY SOLUTIONS

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Crompton Greaves FHP Series Motors

Features & Benefits

- **Conforms to International Standards**
- **Proven reliability in Australian conditions**
- **Strong all metal fan cowls & capacitor boxes**
- **Heavy duty centrifugal switch**
- **Low noise level**
- **Wide range available in Australia**
- **In-built Thermal Overload Protection**
- **C-tick & CE Approved**
- **Heavy Duty Design, long mechanical life**
- **Maintenance free reliability**
- **Compact, Sturdy, Efficient Design, Reversible**
- **B5, Nema & B56 Flanges Options**
- **12 month warranty**
- **Single & three phase models**
- **Continuously Rated**

Applications Include:

General Purpose Applications, Refrigeration, Airconditioning & Ventilation, Air Compressors, Lathes, Fans, Farming Equipment, Cement Mixers, Reduction Boxes and Catering Equipment.

Crompton Greaves operations involve manufacturing; FHP (Fractional Horse Power) Motors for domestic, commercial, agricultural and industrial applications and have been manufactured since 1937 and today claim a premier global market position.

Standards - Australian C-tick Approved, Certified to ISO 9001 standards, by BVOI of England and are approved under the Category, Certification Programme of CSA, Canada.
FHP motors carry the CSA-NRTUC Mark for Canada and the USA.
The motors have been tested to comply with the European Union's Electro Magnetic Compatibility Directive and the Low Voltage Directive; and the CE mark, as legally required in Europe. These motors conform to BS 5000 Part II for performance. Dimensionally, motors in Frame 56 conform to BS 2048 Part I, while Frame BIOOS conforms to IEC.

Enclosures - The various types of enclosures are as follows: - Drip Proof (DP) to IP21- Totally Enclosed Fan Cooled (TEFC) to IP44.

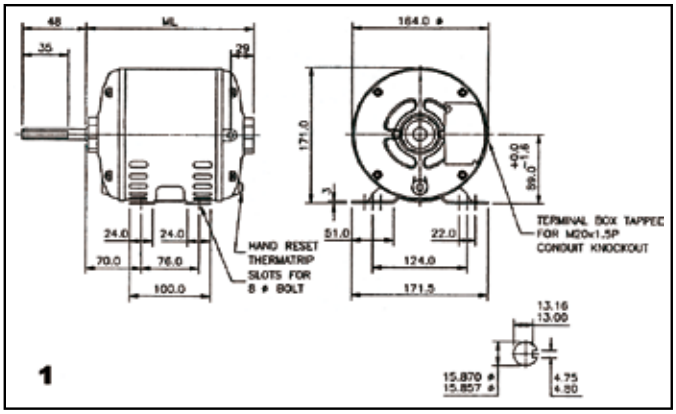
Bearings - All single phase motors are with ball bearings and employs double shielded sealed bearings greased for life.

TECHNICAL & DIMENSIONAL DATA

Drip Proof Motors

DRIP PROOF—SPLIT PHASE—1400 RPM

KW	HP	FRAME	PART NUMBER	TYPE	AMPS	ML	FIG
0.25	1/3	B56	S.25C4SCG	SPLIT PHASE OPEN DRIP PROOF	3.00	215	1
0.37	1/2	B56	S.37C4SCG	SPLIT PHASE OPEN DRIP PROOF	4.00	220	1
0.55	3/4	B56	S.55C4SCG	SPLIT PHASE OPEN DRIP PROOF	5.60	230	1



Totally Enclosed Motors

TOTALLY ENCLOSED - CAPACITOR START —2800 RPM

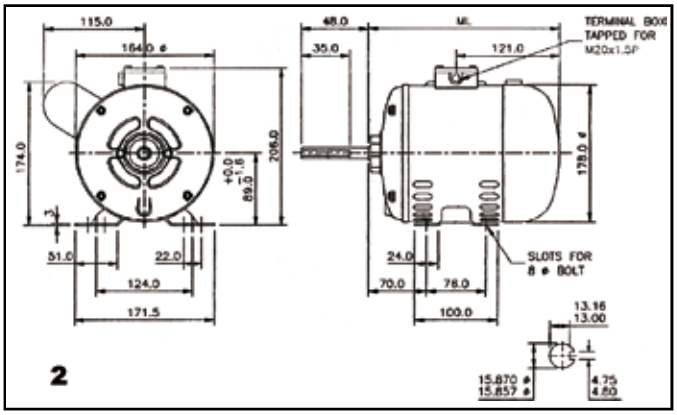
KW	HP	FRAME	PART NUMBER	TYPE	AMPS	ML	CAP RUN	CAP START	FIG
0.75	1	B56	S.75B2CCG	TEFC CAP START	6.6	275	-	120	2
1.5	2	B56	S1.5B2CCG	TEFC CAP START/ CAP RUN	8.7	290	15	160	3

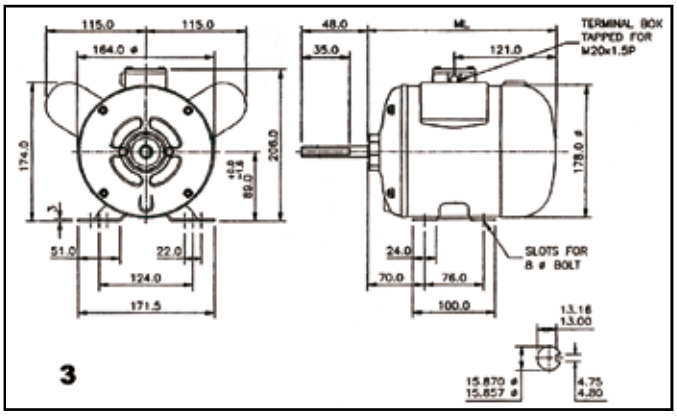
TOTALLY ENCLOSED - CAPACITOR START —1400 RPM

KW	HP	FRAME	PART NUM-BER	TYPE	AMPS	ML	CAP RUN	CAP START	FIG
0.37	1/2	B56	S.37B4CCG	TEFC CAP START	4	265	-	100	2
0.55	3/4	B56	S.55B4CCG	TEFC CAP START	5.6	275	-	120	2
0.75	1	B56	S.75B4CCG	TEFC CAP START / CAP RUN	6	275	10	120	3
1.1	1.5	B56	S1.1B4C56CG	TEFC CAP START / CAP RUN	6.9	310	10	200	3

TOTALLY ENCLOSED - CAPACITOR START —900 RPM

KW	HP	FRAME	PART NUMBER	TYPE	AMPS	ML	CAP RUN	CAP START	FIG
0.55	3/4	B56	S.55B6CCG	TEFC CAP START/ CAP RUN	5.2	290	20	100	3





All dimensions are in mm.

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Rotation - FHP Series motors are supplied, as standard, connected for clockwise rotation viewed from the driving end. Reversal of the starting winding leads at the motor terminal board will reverse rotation of all types.

Capacitors -These are electrolytic short-time rated capacitors used on capacitor - start models, mounted on the motor frame. Special consideration is required if there are extremes in ambient temperature. Electrolytic capacitors will deteriorate after long periods without operation. Hence they normally should be reactivated by switching the motor on and off.

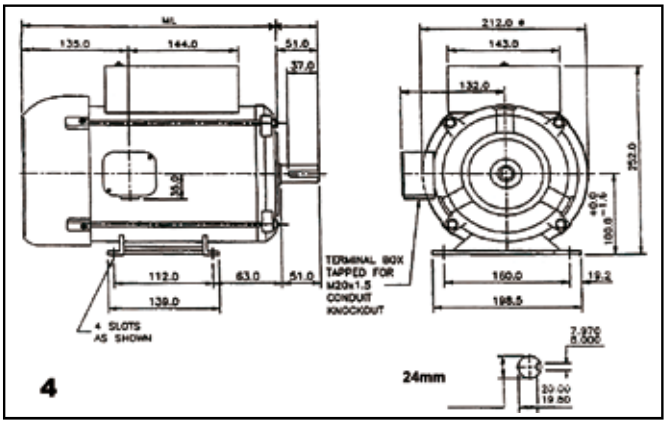
Thermal Overload - All models come with manual reset overload protection set to operate at 140° + 10°C and connected in series with mains supply.

Terminal -Terminals are housed in Terminal Boxes suitable for conduit or for open wiring. Motor cables are colour coded to BS standards and terminals are marked for identification and reconnection. A terminal diagram is attached to each motor for convenience.

Totally Enclosed Motors

TOTALLY ENCLOSED CAPACITOR START —1400 RPM

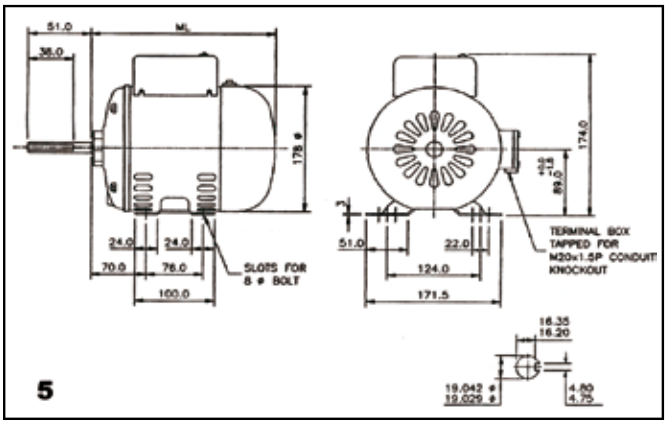
KW	HP	FRAME	PART NUMBER	TYPE	AMPS	ML	CAP RUN	CAP START	FIG
1.1	1.5	B100S	S1.1B4C CG	TEFC CAP START/ CAP RUN	8.8	350	10	200	4
1.5	2	B100S	S1.5B4C CG	TEFC CAP START/ CAP RUN	9.9	370	15	200	4
2.2	3	B100S	S2.2B4C CG	TEFC CAP START/ CAP RUN	13.5	385	30	280	4



Compressor Duty Motors

COMPRESSOR DUTY —2800 RPM

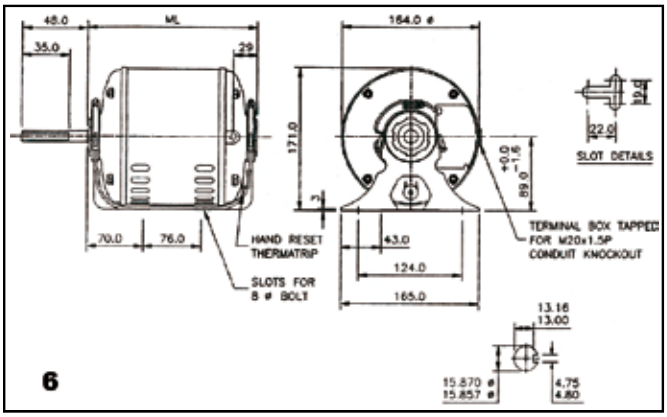
KW	HP	FRAME	PART NUMBER	TYPE	AMPS	ML	CAP RUN	CAP START	FIG
1.5	2	B56	S1.5C2CCG	ODP CAP START/ CAP RUN	9.2	295	15	200	5
2	2 3/4	B56	S2C2CCG	ODP CAP START/ CAP RUN	13.3	310	30	200	5
2.2	3	B56	S2.2C2CCG	ODP CAP START/ CAP RUN	15.2	320	30	280	5



Resilient Mount Motors

RESILANT MOUNT—1400 RPM

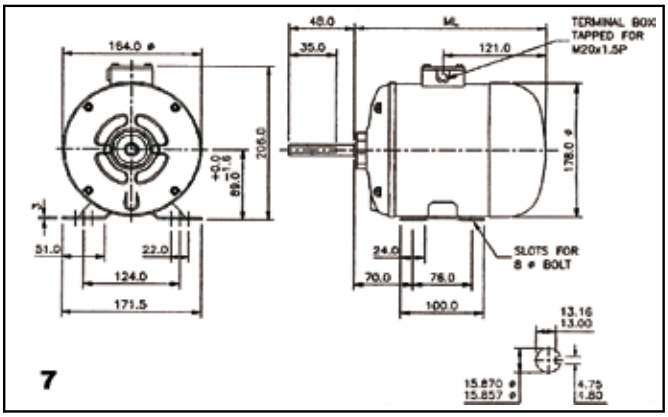
KW	HP	FRAME	PART NUMBER	TYPE	AMPS	ML	FIG
0.55	3/4	B56	S.55B4R SCG	OPEN DRIP PROOF SPLIT PHASE RESILIENT MOUNT	5.6	240	6



Three Phase B56 Motors

THREE PHASE TOTALLY ENCLOSED — 1400 RPM

KW	HP	FRAME	PART NUM-BER	TYPE	AMPS	ML	FIG
0.55	3/4	B56	T.55F4CG	TEFC THREE PHASE	1.5	250	7
0.75	1	B56	T.75F4CG	TEFC THREE PHASE	1.9	265	7



All dimensions are in mm.

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Flanges

Part	Dimensions	Availability
D71 B5 Flange	Spigot 110mm / PCD 130mm / OD 160mm	0.37kw 4pole - 1425rpm
D80 B5 FLANGE	Spigot 130mm / PCD 165mm / OD 200mm	0.55 & 0.75kw 4pole - 1425rpm
NEMA FLANGES	Spigot 114.3mm / PCD 149.2mm / OD 165.1mm	TEFC & DP motors
B56 FLANGES	Spigot 120.65mm / PCD 139.7mm / OD 165.1mm	TEFC & DP motors

Options & Indent Motors

- Cement Mixer Motors
- B42 & B48 Motors
- Customer Specified Motors
- Fans Motors
- Air-conditioning Motors
- Through Stud Motors
- Air - Over Motors
- Pad Mount Motors
- Flameproof

Double Pole On / Off Switches
2 pole switch fitted to terminal box

Lead & Plug
2 Metre flex 10 or 15 Amp

Crompton Greaves Global Series Three Phase MEPS 2 Compliant Motors and Brake Motors

Crompton Greaves Ltd., Global Series low voltage general purpose motors are designed for use in general industry, meeting the demands of standard applications for Australian Industry and OEM's. Motors have a high build quality, can be modified to meet most specifications and offer all the features needed for industry. We have extensive stocks of motors around the world with widespread local support in Australia.

Range:	0.18 kW to 450 kW, (2 pole to 8 pole)	**Frame sizes:**	63 to 400 for TEFC
Voltage:	415V +/- 10%	**Frequency:**	50hZ +/- 5% & 60Hz
Type:	Squirrel Cage (SCR)	**Rating:**	Continuous S1
Insulation:	Class 'F'	**Ambient:**	40 Deg C
Temp. Rise R :	80 Deg C	**Degree of Protection:**	IP55 (optional IP56)

Global Benefits

- **MEPS2 compliant efficiency for low running costs.**
- **Low noise levels.**
- **Long insulation life and cool running.**
- **Dual frequency 50hZ and 60hZ.**
- **High power factors.**
- **High torque with smooth acceleration & low current.**
- **Wide Voltage 415V +/- 10%.**
- **IP55 Protection, terminal box IP56.**
- **4-position cable entry.**
- **Simplicity of maintenance**

Crompton Greaves products available on indent.

Three Phase, HT Induction and Synchronous Machines	**Three Phase, LT Induction Motors and Generators (Large Machines)**
AC Generators	**Drip Proof Three Phase Motors**
NEMA Motors	**Single Phase Global Metric Frame Motors**

Accessories and optional extra's

VF Drives	Slide Rails	Reduction Gearboxes	Starters, Switchgear & Accessories	Rain Cowls and Low Noise Fans

Crompton Greaves Products are sold and recommended by:

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