

TECO Single Phase B56 Frame Motors

Canonical: <https://electricmotors.teco.com.au/product/teco-single-phase-b56-frame-motors/>

Details:

Product

Product Facts

Product Name: TECO Single Phase B56 Frame Motors - TECO Electric Motors Australia and New Zealand **Category:** Industrial & Commercial Equipment > Electric Motors

TECO · SINGLE-PHASE MOTORS

Single Phase B56 Frame Motors

Our B56 motors bring dependable single-phase power to applications that need a compact imperial frame and good starting torque. We offer five listed configurations from 0.25 to 0.75 kW , with a 240 V, single-phase, 50 Hz supply, foot mounting and manual overload protection.

The rolled-steel shell, cast-iron endshields, steel terminal box and fan cover provide a robust construction. Totally enclosed fan cooling and an IP44 enclosure support reliable operation within the motor's specified conditions. Our website describes IC411 cooling, continuous S1 duty, low temperature rise and a one-year warranty . Please speak with our team about available options and the terms for your purchase.

[Choose a configuration](#) · [Application guide](#) · [Source differences](#) · [Catalogue reference](#) · [Datasheets and drawings](#) · [Downloads and support](#)

Before final selection: the individual datasheets and catalogue disagree on several current and torque figures. We keep both sets under their own source headings below. Ask us to confirm the correct performance data for your selected motor before sizing protection or the driven equipment.

Choose your B56 configuration

Our five website rows link to their own datasheet and a common drawing archive. The archive contains three B56 outlines covering the five selections, plus a separate 1.875 kW, 2-pole brick-saw drawing . An archive link does not make every member suitable for the row. All collected memberships remain visible; use the rating and pole count printed on the drawing.

Starting arrangements: the catalogue identifies 0.25, 0.37 and 0.55 kW four-pole motors and the 0.75 kW two-pole motor as capacitor start–induction run (CSIR) . The 0.75 kW four-pole motor is capacitor start–capacitor run (CSR) . The three B56 outlines agree with those distinctions.

Row	Website specification	Datasheet	Shared archive members
426	kW Rating: 0.25; Voltage: 240; Phases: 1; No. of Poles: 4; Frame	Datasheet-521.pdf	0.25BB4 , 0.37BB4.pdf 0.75BB2 , 0.55BB4.pdf 0.75BB4.pdf

	Size: B56		108-01.875MS2BS Brick Saw motor outline.pdf
427	kW Rating: 0.37; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: B56	Datasheet-522.pdf	0.25BB4 , 0.37BB4.pdf 0.75BB2 , 0.55BB4.pdf 0.75BB4.pdf 108-01.875MS2BS Brick Saw motor outline.pdf
428	kW Rating: 0.55; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: B56	Datasheet-523.pdf	0.25BB4 , 0.37BB4.pdf 0.75BB2 , 0.55BB4.pdf 0.75BB4.pdf 108-01.875MS2BS Brick Saw motor outline.pdf
429	kW Rating: 0.75; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: B56	Datasheet-520.pdf	0.25BB4 , 0.37BB4.pdf 0.75BB2 , 0.55BB4.pdf 0.75BB4.pdf 108-01.875MS2BS Brick Saw motor outline.pdf
430	kW Rating: 0.75; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: B56	Datasheet-524.pdf	0.25BB4 , 0.37BB4.pdf 0.75BB2 , 0.55BB4.pdf 0.75BB4.pdf 108-01.875MS2BS Brick Saw motor outline.pdf

All five 3D-drawing fields say available upon request . These are five availability notices, not five downloaded models. There is no software download on the product page.

Match the motor to your application

We can help you select for the load's starting and running torque, duty cycle and the supply's starting/running current limits. Our catalogue describes CSIR motors as providing high starting torque with medium starting current, and CSR motors as combining high starting torque with good running performance. Confirm the specific load and supply conditions with us.

The catalogue describes continuous operation at nameplate current from –10 to 40°C , below 1,000 m altitude , with adjustment needed for higher temperatures or altitude. Its standard-specification section also gives a non-hazardous environment, maximum 90% relative humidity and belt or direct drive. Those shared-catalogue conditions remain with their source; they do not establish a hazardous-area approval or a wider B56 supply rating.

Our catalogue describes double-shielded, pre-packed bearings, polypropylene bidirectional fans, internally and externally painted pressed-steel fan covers, Class F insulation, a centrifugal switch, dynamically balanced rotor components, and phenolic-base primer with a synthetic enamel finish. The terminal box is described on the right when viewed from the drive shaft end, with a left-side option. Confirm any modification and installation arrangement for your motor.

The B56 drawings state foot mounting IM1001 , suitability for belt or direct drive, and typical dimensions only . Ask us for certified dimensions before installation. Synchronous speed is not full-load speed; both

remain separately labelled in the datasheets. The drawings do not explicitly state their general dimensional units, while the catalogue uses millimetres with explicit inch dimensions for the shaft and key.

Our catalogue includes connection diagrams for clockwise/counter-clockwise rotation and separate CSIR/CSR arrangements. Use the original diagrams and the selected motor's instructions; this guide does not reconstruct terminal wiring. The shared catalogue's 480 V arrangements concern other configurations and must not be assumed to apply to these 240 V B56 selections.

Details to confirm with our team

Current and torque: all five datasheets differ from the corresponding B56 catalogue row in at least one current or torque field. The comparison below preserves the figures and units from each source. No preferred value has been silently selected.

Insulation wording: the website feature list refers to Class H and F materials; its description, all five datasheets and the catalogue identify Class F. This is not evidence of a Class H B56 rating.

Voltage tolerance and cooling code: the shared catalogue prints $\pm 10\%$ voltage on page 3 but $\pm 5\%$ for rated performance on page 4, and IC0141 cooling versus the website's IC411. Confirm the applicable condition and code; these are retained as different source statements.

Bearing code: the 0.75 kW four-pole spare-parts row prints 6250 ZZ at the drive end, while the B56 dimension schedule and datasheet print 6205 ZZ . Confirm the replacement bearing.

Dimensions: catalogue LL prints "10g" ; it is not converted into a numerical dimension. The catalogue gives ED 35.8 mm and HS 42.4 mm, while the corresponding outline callouts read 36 and 42.

Source-specific dimensions and tolerances remain separate.

Mass: datasheet weights are 13, 15, 16, 16 and 17 kg for the five website rows; catalogue approximate masses are 13.2, 14.5, a shared 15.9, and 17.3 kg. The shared 15.9 kg row covers 0.75 kW two-pole / 0.55 kW four-pole, not two separately measured entries.

Archive scope: the brick-saw drawing does not print B56 as its frame or specify a supply voltage/frequency. It is retained as a linked archive member, not an extra standard B56 selection.

Selection / sheet	Field	Datasheet	Catalogue
0.25 kW / 4P · Datasheet-521.pdf	CURRENT / FULL LOAD	4.5 A	3.2 A
0.25 kW / 4P · Datasheet-521.pdf	CURRENT / LOCKED ROTOR	500 %	480 %
0.25 kW / 4P · Datasheet-521.pdf	TORQUE / FULL LOAD TORQUE	2.45 Nm	1.66 Nm
0.25 kW / 4P · Datasheet-521.pdf	TORQUE / BREAKDOWN TORQUE	310 %	330 %
0.37 kW / 4P · Datasheet-522.pdf	CURRENT / FULL LOAD	5.4 A	4.5 A
0.37 kW / 4P · Datasheet-522.pdf	CURRENT / LOCKED ROTOR	440 %	500 %
0.37 kW / 4P · Datasheet-522.pdf	TORQUE / FULL LOAD TORQUE	3.7 Nm	2.45 Nm

0.37 kW / 4P · Datasheet-522.pdf	TORQUE / STARTING TORQUE	320 %	390 %
0.37 kW / 4P · Datasheet-522.pdf	TORQUE / BREAKDOWN TORQUE	230 %	310 %
0.55 kW / 4P · Datasheet-523.pdf	CURRENT / FULL LOAD	6 A	5.4 A
0.55 kW / 4P · Datasheet-523.pdf	CURRENT / LOCKED ROTOR	520 %	440 %
0.55 kW / 4P · Datasheet-523.pdf	TORQUE / FULL LOAD TORQUE	5 Nm	3.7 Nm
0.55 kW / 4P · Datasheet-523.pdf	TORQUE / STARTING TORQUE	270 %	320 %
0.55 kW / 4P · Datasheet-523.pdf	TORQUE / BREAKDOWN TORQUE	250 %	230 %
0.75 kW / 2P · Datasheet-520.pdf	CURRENT / FULL LOAD	3.2 A	5.8 A
0.75 kW / 2P · Datasheet-520.pdf	CURRENT / LOCKED ROTOR	480 %	630 %
0.75 kW / 2P · Datasheet-520.pdf	TORQUE / FULL LOAD TORQUE	1.66 Nm	2.45 Nm
0.75 kW / 2P · Datasheet-520.pdf	TORQUE / STARTING TORQUE	390 %	290 %
0.75 kW / 2P · Datasheet-520.pdf	TORQUE / BREAKDOWN TORQUE	330 %	280 %
0.75 kW / 4P · Datasheet-524.pdf	CURRENT / FULL LOAD	6.6 A	6 A
0.75 kW / 4P · Datasheet-524.pdf	CURRENT / LOCKED ROTOR	650 %	520 %
0.75 kW / 4P · Datasheet-524.pdf	TORQUE / FULL LOAD TORQUE	3.6 Nm	5 Nm
0.75 kW / 4P · Datasheet-524.pdf	TORQUE / STARTING TORQUE	240 %	270 %

For this comparison only, catalogue current/torque ratios are multiplied by 100 to compare with datasheet percentages. Original catalogue ratios remain unchanged below.

B56 catalogue reference

Our single-phase catalogue also covers BEGY and BECY motors. The reference below retains shared specification and selection context, the B56 performance and dimension rows, and B56 spare parts. Other-family performance/dimension rows are available in the original catalogue; they are not additional

B56 variants. Historical standards and stock statements are source descriptions, not fresh certification or availability checks.

Catalogue page 1 — Cover and whole-catalogue range; B56 range stated in guide.

Catalogue range and navigation

Catalogue page 2

Catalogue context / Range

Property	Value	Unit
B56	Single Phase Motor, Type CSIR & CSR; Series B56; Output 0.25–0.75kW.	

Catalogue context

Property	Value	Unit
Contents	Motor range p2; standard specification p3; general description p4; motor classification and selection p5; connection diagram p5; schematic drawings p6; terminal connection p6; performance data p7; dimension drawings IM1001 p8, IM3001 p9, IM2001 p10, B56 p11; spare parts p11; company addresses p12.	

Shared standard specification

Catalogue page 3

Shared catalogue reference: this page also names other frame sizes, outputs, supplies and mountings. Those entries are not blanket B56 specifications. Use the selected B56 source and confirm any conflicting limits.

Ratings and specifications / Rating

Property	Value	Unit
Voltage	Rated Voltage 240V/480V	
Frequency	Rated Frequency 50Hz	
Output range	0.18kW – 7.5kW	
R.P.M. (Syn.)	3000R.P.M. (2 Pole); 1500R.P.M. (4 Pole)	
Duty	S1 (Continuous)	

Frame size	71 – 132M	
Enclosure	TEFC Totally Enclosed Fan Cooled	
Degree of protection	IP 44 (Totally Enclosed, Splash Proof)	
Method of cooling	IC 0141 External Fan. Surface Cooling	
Mounting	IM 1001 Foot Mounting; IM 3001 Flange Mounting; IM 2001 Foot & Flange Mounting	

Ratings and specifications / Application

Property	Value	Unit
Power condition	Voltage $\pm 10\%$, Frequency $\pm 5\%$.	
Environment conditions	Area = Non Hazardous. Ambient Temperature -10°C to 40°C . Relative Humidity = Max. 90%. Altitude = Max. 1000m (3300ft).	
Drive method	Belt Drive or Direct Coupling	
Direction of rotation	Bi-Directional	
Method of starting	D.O.L. (Direct-On-Line) Full Voltage	

Ratings and specifications / Construction

Property	Value	Unit
Frame	71 – 80 Rolled Steel; 90 – 132 Cast Iron	
Endshield	71 – 80 Alum. Alloy with Steel Insert, except Frame 80 DE (Cast Iron); 90 – 132 Cast Iron	
External fan	Polypropylene	
Fan cover	Pressed Steel	
Bearing	Single Row Deep Groove Ball Bearing – Double Shields, Pre-Greased	
Terminal box	Pressed Steel, with Clearance Hole Cable Entry	
Stator winding	Polyester Enamelled Copper Wires, Random Wound	

Insulation system	Class F (Operating Temp. 155°C – Temp. Rise 105°C)	
Rotor	Squirrel Cage. Alum. Conductor with End-Ring	
Painting	Phenolic Base Paint, Laquer Surface Finish; 71 – 80 Munsell 2.5G 6/3 (Deep Green); 90 – 132 Munsell N5.0 – SG (Grey)	
Name plate	71 – 80 Aluminium; 90 – 132 Stainless Steel	
Bolts	ISO Metric System (Except B56)	

Ratings and specifications / Performance

Property	Value	Unit
Temperature rise	Not Exceeding 90°C by Resistance Method	
Over speed	125% Syn. R.P.M. for one min.	
Over torque	160% Rated Torque for 15 sec.	
Capacitor start	Series BEGY/BETY and BECY/BEDY: Capacitor Start – Capacitor Run. Series B56: Cap. Start – Cap. Run and Cap. Start – Induction Run.	
Standards	Comply with relevant IEC & AS Standards	

Ratings, construction and options

Catalogue page 4

Shared catalogue reference: this page also names other frame sizes, outputs, supplies and mountings. Those entries are not blanket B56 specifications. Use the selected B56 source and confirm any conflicting limits.

Catalogue context

Property	Value	Unit
Connection	240 Volts Single Phase 50Hz for motors of 0.18kW to 7.5kW. 240/480 Volts Single Phase 50Hz from 1.5 to 7.5kW. The motors will produce their rated performance with voltage +/-5 per cent.	

Rating	Continuously rated at name plate current defined as S1 to AS 1359 within an ambient temperature –10 to 40°C, and altitude below 1000 metres. For higher ambients and/or altitudes the output rating must be adjusted accordingly; contact TECO.	
Performance	Standard motors are designed with performance in accordance with relevant standards within IEC34 and AS 1359 & 1360.	
Direction of rotation	Suitable for operation in either direction. Reversing direction uses the connection link within the terminal box; source refers to page 6. Original diagrams remain the authority.	
Mounting	Foot: IM1001, 1011, 1031, 1051, 1061, 1071. Flange: IM3001, 3011, 3031. Foot and Flange: IM2001. According to AS 1359 and IEC72.	
Frame	Two pole motors up to 1.1kW, four pole motors up to 0.75kW and Series B56 motors are rolled steel. Larger motors are high-grade cast iron with longitudinal cooling fins and integrally cast feet.	
Fan and fan cowl	Bi-directional cooling fans of polypropylene; pressed-steel fan cowl painted internally and externally to resist corrosion.	
Bearings and lubrication	Double shielded, pre-packed ball bearings sealed against dust and moisture; source states no further attention for the life of the bearing.	
Stator winding and insulation	High-grade insulated cold-rolled electromagnetic steel laminations; Class F insulation system. Source states resistance to tropical and high-humidity conditions. All motors incorporate a centrifugal switch between the starting and running windings.	

Rotor assembly	One-piece pressure die-cast aluminium rotor conductors and end rings; rotating parts dynamically balanced to minimise vibration.	
Terminal box	Pressed steel terminal box at the right-hand side when looking at the drive shaft end; left-hand side optional. Connections shown on source page 6.	
Capacitors	BEGY 0.25–1.1kW (2P) and BECY 1.1kW (4P) to 7.5kW are capacitor start capacitor run. B56 0.75kW 2-pole and 0.25–0.55kW 4-pole are capacitor start induction run; B56 0.75kW 4-pole is capacitor start capacitor run.	
Paint finish	Castings and steel parts have a phenolic-base prime coat and synthetic enamel paint finish.	

Starting arrangements and selection

Catalogue page 5

Shared catalogue reference: this page also names other frame sizes, outputs, supplies and mountings. Those entries are not blanket B56 specifications. Use the selected B56 source and confirm any conflicting limits.

Catalogue context

Property	Value	Unit
Classification	CSIR = Capacitor Start – Induction Run. CSR = Capacitor Start – Capacitor Run.	
Selection	Selection depends on starting and running torque requirements, duty cycle and power-supply starting/running current limits. Source says TECO can manufacture single-phase motors for various applications.	
CSIR characteristics	High starting torque and medium starting current; source describes suitability for heavier duty applications and power supplies with higher voltage variation.	

CSR characteristics	Combines high starting torque and good running performance. Source describes use for integral-rating applications with heavier starting torque requirements.	
Source stock and protector note	Source states CSIR and CSR motors are stocked by TECO Australia, and single-voltage motors are normally fitted with thermal protectors. Historical catalogue statement; not current inventory proof.	
Connection diagram context	Separate C.C.W. and C.W. rotation diagrams for CSIR at 240V and CSR at 240V/480V. No wiring connections reconstructed; consult original page.	

Terminal connection reference

Catalogue page 6

Shared catalogue reference: this page also names other frame sizes, outputs, supplies and mountings. Those entries are not blanket B56 specifications. Use the selected B56 source and confirm any conflicting limits.

Catalogue context

Property	Value	Unit
Terminal connection context	Printed groups: 1.1kW and below with Thermal Protector (240V), and 1.5kW and above without Thermal Protector (240V/480V); C.C.W. and C.W. diagrams. Original diagrams govern connections; geometry is not encoded here.	

Schematic legend / Frame 71–80

Other-family part legends: refer to the original catalogue.

Schematic legend / Frame 90–132

Other-family part legends: refer to the original catalogue.

B56 performance data

Performance data

Conditions: Four printed row groups: main-range 2-pole, main-range 4-pole, B56 2-pole, B56 4-pole. A dash is preserved as a source dash, not zero. Only the listed frame/output/pole combination is covered; source association with a product does not make all rows applicable to that product. 240/480V supply distinctions and start/run capacitors remain separate. Notes/formulas are retained in the page commentary.

Poles (pole s)	Rated output (kW)	Frame size	Speed (RPM)	Efficiency (%)	Power factor $\cos\phi$ (dimensionless)	Full-load current 240 V (A)	Full-load current 480 V (A)	Starting current ratio 240 V (Ist/IN)	Starting current ratio 480 V (Ist/IN)	Full-load torque (Nm)	Starting torque ratio (Tst/TN)	Breakdown torque ratio (Tb/TN)	Start capacitor (μF)	Start capacitor rated voltage (Vac)	Run capacitor (μF)	Run capacitor rated voltage (Vac)
2	0.75	B56	2910	69.5	0.79	5.8	—	6.3	—	2.45	2.9	2.8	100	250	—	—
4	0.25	B56	1460	60.4	0.54	3.2	—	4.8	—	1.66	3.9	3.3	50	250	—	—
4	0.37	B56	1450	59.4	0.60	4.5	—	5	—	2.45	3.9	3.1	70	250	—	—
4	0.55	B56	1440	64.8	0.70	5.4	—	4.4	—	3.7	3.2	2.3	80	250	—	—
4	0.75	B56	1450	69.9	0.77	6	—	5.2	—	5	2.7	2.5	100	250	10	440

Source conditions: Tolerances according to IEC 34-1 and AS 1359.60. Efficiency — $15(1-\eta)\%$ when $P_2 \leq 50\text{kW}$. Power factor $\cos\phi$ — $(1-\cos\phi)/6$, minimum 0.02, maximum 0.07. Torque $T_N = (9550 \times \text{kW})/\text{RPM Nm}$. Data subject to change without notice.

Catalogue context

Property	Value	Unit
Definitions and conversions	1kW = 1.34HP; 1HP = 0.746kW; 1Nm = 0.102kgmf. Ist/IN = Starting Current/Nominal F.L. Current; Tst/TN = Starting Torque/Nominal F.L. Torque; Tb/TN = Break down Torque/Nominal F.L. Torque.	
Source annotation	The source PDF contains a red rectangle and Start/Run labels around the final B56 0.75kW 4-pole capacitor cells; values remain 100μF/250Vac start and	

					sion)									
B56		0.25	22	320	10g	5/8"	47.6	35.8	3/16"	13	17.8	6205 ZZ	6203 ZZ	13.2
B56		0.37	22	320	10g	5/8"	47.6	35.8	3/16"	13	17.8	6205 ZZ	6203 ZZ	14.5
B56	0.75	0.55	22	337	10g	5/8"	47.6	35.8	3/16"	13	17.8	6205 ZZ	6203 ZZ	15.9
B56		0.75	22	337	10g	5/8"	47.6	35.8	3/16"	13	17.8	6205 ZZ	6203 ZZ	17.3

Spare parts list

Conditions: Dimensions in mm unless an explicit inch, rating, part or mass unit is printed. Values in explicitly merged cells are repeated only within their source row span. Empty output cells remain blank, not an inferred additional variant. Geometry remains in the original. Design, data and dimensions subject to modification without notice. Original kW–P column is split into output and pole count only. Capacitor ranges and x2/x4 multiplicity remain verbatim; no summed/replacement capacitor is inferred. Dashes are printed source dashes, not zeros.

Type	Output (kW)	Poles (poles)	Centrifugal switch (part code)	Capacitor START	Capacitor RUN	Thermal overload (part code)	Bearing D-END	Bearing ND-END
BEGCFB	0.25	4	TS1RA45 20	50uf 250V AC	—	MEP 40LD	6205 ZZ	6203 ZZ
BEGCFB	0.37	4	TS1RA45 20	70uf 250V AC	—	MEP 40LD	6205 ZZ	6203 ZZ
BEGCFB	0.55	4	TS1RA45 20	80uf 250V AC	—	MEJ 28DB	6205 ZZ	6203 ZZ
BEGCFB	0.75	2	TS1RA25 20	100uf 250V AC	—	MEJ 28DB	6205 ZZ	6203 ZZ
BEGSFB	0.75	4	TS1RA45 20	100uf 250V AC	10uf 440V AC	MEJ 28DB	6250 ZZ	6203 ZZ

Catalogue page 12 — Historical contact back cover; current contact linked.

Individual datasheets and drawing references

Each source below retains its own values, qualifications and original download. Blank, dash and unavailable entries are not zero. The common archive is listed against every associated selection, but the source's own rating governs its scope. Graphical shape, wiring and untranscribed geometry remain in the originals.

0.25BB4 , 0.37BB4.pdf

Associated selection rows: 426 , 427 , 428 , 429 , 430

PDFdrawings-524.zip > B56 FRAME/0.25BB4 , 0.37BB4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_number	0.25BB4 / 0.37BB4	as printed	—
Identity / frame	B56	as printed	—
Identity / phase	1	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start Induction Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Front-view total width including terminal enclosure	245	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	185	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	110	drawing units; not explicitly stated on this sheet	C1
Drawing / Height to fan-cover top from mounting plane	181	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft height	88.9 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	124	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	162	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	39	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	47.6	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft key length callout	36	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial top-centre to fan-end callout	127	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer mounting-hole centre	70	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	76	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	127	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial foot slot-group callout	37	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view lower terminal enclosure height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view small foot height callout	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Mounting slot length	17.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Mounting slot width	8.7	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø15.87 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	4.76	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	17.8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower height callout	13	drawing units; not explicitly stated on this sheet	C1

Drawing / Overall axial length	320	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	T.P. marker retained; abbreviation is not expanded in the drawing.	as printed	—
Drawing note / 5	Dimensional units are not explicitly stated on this sheet; values are transcribed as printed.	as printed	—

Electrical ratings as printed — P047, 0.25BB4 , 0.37BB4.pdf, page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	4 poles	0.25/0.37 kW	0.33/0.50 HP	1500 rpm (synchronous)	C1

0.75BB2 , 0.55BB4.pdf

Associated selection rows: 426 , 427 , 428 , 429 , 430

PDFdrawings-524.zip > B56 FRAME/0.75BB2 , 0.55BB4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_number	0.75BB2 / 0.55BB4	as printed	—
Identity / frame	B56	as printed	—

Identity / phase	1	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start Induction Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Front-view total width including terminal enclosure	245	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	185	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	110	drawing units; not explicitly stated on this sheet	C1
Drawing / Height to fan-cover top from mounting plane	181	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft height	88.9 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	124	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	162	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	39	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	47.6	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft key length callout	36	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial top-centre to fan-end callout	127	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer mounting-hole centre	70	drawing units; not explicitly stated on this sheet	C1

Drawing / Axial mounting-hole centres	76	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	127	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial foot slot-group callout	37	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view lower terminal enclosure height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view small foot height callout	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Mounting slot length	17.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Mounting slot width	8.7	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø15.87 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	4.76	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	17.8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower height callout	13	drawing units; not explicitly stated on this sheet	C1
Drawing / Overall axial length	337	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER	as printed	—

	TO TECO.		
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	T.P. marker retained; abbreviation is not expanded in the drawing.	as printed	—
Drawing note / 5	Dimensional units are not explicitly stated on this sheet; values are transcribed as printed.	as printed	—

Electrical ratings as printed — P047, 0.75BB2 , 0.55BB4.pdf, page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	0.75 kW	1 HP	3000 rpm (synchronous)	C1
2	4 poles	0.55 kW	0.75 HP	1500 rpm (synchronous)	C1

0.75BB4.pdf

Associated selection rows: 426 , 427 , 428 , 429 , 430

PDFdrawings-524.zip > B56 FRAME/0.75BB4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

C2: 181 is the fan-cover height, not the overall height including this projection. No overall height sum is asserted. Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_number	0.75BB4	as printed	—
Identity / frame	B56	as printed	—
Identity / phase	1	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start	as printed	—

	& Run Type; Squirrel-Cage Rotor		
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Front-view total width including terminal enclosure	245	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	185	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	110	drawing units; not explicitly stated on this sheet	C1
Drawing / Height to fan-cover top from mounting plane	181	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft height	88.9 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	124	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	162	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	39	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	47.6	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft key length callout	36	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial top-centre to fan-end callout	127	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer mounting-hole centre	70	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	76	drawing units; not explicitly stated on this sheet	C1

Drawing / Foot overall axial length	127	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial foot slot-group callout	37	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view lower terminal enclosure height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view small foot height callout	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Mounting slot length	17.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Mounting slot width	8.7	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø15.87 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	4.76	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	17.8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower height callout	13	drawing units; not explicitly stated on this sheet	C1
Drawing / Overall axial length	337	drawing units; not explicitly stated on this sheet	C1
Drawing / Top capacitor enclosure projection above fan-cover top	42	drawing units; not explicitly stated on this sheet	C2
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER	as printed	—

	TO TECO.		
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	T.P. marker retained; abbreviation is not expanded in the drawing.	as printed	—
Drawing note / 5	Dimensional units are not explicitly stated on this sheet; values are transcribed as printed.	as printed	—

Electrical ratings as printed — P047, 0.75BB4.pdf, page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	4 poles	0.75 kW	1 HP	1500 rpm (synchronous)	C1

108-01.875MS2BS Brick Saw motor outline.pdf

Separate 1.875 kW brick-saw archive member; not a confirmed standard B56 configuration.

Associated selection rows: 426 , 427 , 428 , 429 , 430

PDFdrawings-524.zip > B56 FRAME/108-01.875MS2BS Brick Saw motor outline.pdf .

Source differences and limitations

Distinct 1.875 kW 2-pole brick-saw drawing in B56 bundle; source does not print B56 as frame.

Source page 1

Conditions for this section:

C1: Source-specific specifications and numbered dimensional callouts. Refer to the source for graphical shape.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	108/01.875MS2BS BRICK SAW MOTOR	as printed	—
Identity / rated_power	1.875 kW	as printed	—
Identity / poles	2	as printed	—
Identity / construction_code	CSCR	as printed	—

Identity / date_as_printed	13/01/2006	as printed	—
Drawing / Overall axial length	325	drawing units; not explicitly stated on this sheet	C1
Drawing / Body diameter callout	Ø164	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	48.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and tolerance	Ø19 +0.009/-0.004	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width and tolerance	4.8 -0.025/-0.055	drawing units; not explicitly stated on this sheet	C1
Drawing / Keyseat lower-height callout and tolerance	16.2 +0/-0.1	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft height	89	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to top capacitor enclosure	145	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	168	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	166	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	76	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	125	drawing units; not explicitly stated on this sheet	C1
Drawing / Front foot-edge to nearer mounting-hole centre	24.5	drawing units; not explicitly stated on this sheet	C1

Drawing / Motor front-face to front foot edge	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Terminal enclosure angular position	15	degrees	C1
Drawing note / 1	No supply voltage, frequency, frame code or general dimensional unit statement is printed on this sheet.	as printed	—
Drawing note / 2	The brick-saw motor is a distinct drawing within the B56 product download bundle; do not apply its 1.875 kW rating or dimensions to every B56 row.	as printed	—

Datasheet-521.pdf

Associated selection rows: 426

Datasheet-521.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO SINGLE PHASE B56 FRAME		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.25		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	B56		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1460	(rpm)	—
CURRENT / FULL LOAD	4.5	(Amps)	—
CURRENT / LOCKED ROTOR	500	%	—

TORQUE / FULL LOAD TORQUE	2.45	(Nm)	—
TORQUE / STARTING TORQUE	390	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	310	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	60.4	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	54	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	F		—
ENCLOSURE TYPE	TEFC		—
IP RATING	44		—
WEIGHT OF MOTOR	13	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6203 ZZ		—
NO LOAD SOUND PRESSURE LEVEL @ 1M	Not stated (blank in source)	dbA	—
DESIGN STANDARD	AS1359		—
CERTIFICATION	Not stated (blank in source)		—
TEMPERATURE RISE ABOVE AMBIENT	Not stated (blank in source)		—

Associated selection rows: 427

Datasheet-522.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO SINGLE PHASE B56 FRAME		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.37		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	B56		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1450	(rpm)	—
CURRENT / FULL LOAD	5.4	(Amps)	—
CURRENT / LOCKED ROTOR	440	%	—
TORQUE / FULL LOAD TORQUE	3.7	(Nm)	—
TORQUE / STARTING TORQUE	320	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	230	%	—
ROTOR INERTIA (J = GD ² /4)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	59.4	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	60	%	—

POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	F		—
ENCLOSURE TYPE	TEFC		—
IP RATING	44		—
WEIGHT OF MOTOR	15	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6203 ZZ		—
NO LOAD SOUND PRESSURE LEVEL @ 1M	Not stated (blank in source)	dbA	—
DESIGN STANDARD	AS1359		—
CERTIFICATION	Not stated (blank in source)		—
TEMPERATURE RISE ABOVE AMBIENT	Not stated (blank in source)		—

Datasheet-523.pdf

Associated selection rows: 428

Datasheet-523.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO SINGLE PHASE B56 FRAME		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.55		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	B56		—
SPEED / SYNCHRONOUS	1500	(rpm)	—

SPEED / FULL LOAD	1440	(rpm)	—
CURRENT / FULL LOAD	6	(Amps)	—
CURRENT / LOCKED ROTOR	520	%	—
TORQUE / FULL LOAD TORQUE	5	(Nm)	—
TORQUE / STARTING TORQUE	270	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	250	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	64.8	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	70	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	F		—
ENCLOSURE TYPE	TEFC		—
IP RATING	44		—
WEIGHT OF MOTOR	16	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6203 ZZ		—
NO LOAD SOUND PRESSURE LEVEL @ 1M	Not stated (blank in source)	dbA	—
DESIGN STANDARD	AS1359		—

CERTIFICATION	Not stated (blank in source)		—
TEMPERATURE RISE ABOVE AMBIENT	Not stated (blank in source)		—

Datasheet-520.pdf

Associated selection rows: 429

Datasheet-520.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO SINGLE PHASE B56 FRAME		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.75		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	B56		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2910	(rpm)	—
CURRENT / FULL LOAD	3.2	(Amps)	—
CURRENT / LOCKED ROTOR	480	%	—
TORQUE / FULL LOAD TORQUE	1.66	(Nm)	—
TORQUE / STARTING TORQUE	390	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	330	%	—
ROTOR INERTIA (J = GD ² /4)	Not stated (blank in source)	(Kgm ²)	—

EFFICIENCY / 100% LOAD	69.5	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	79	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	F		—
ENCLOSURE TYPE	TEFC		—
IP RATING	44		—
WEIGHT OF MOTOR	16	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6203 ZZ		—
NO LOAD SOUND PRESSURE LEVEL @ 1M	Not stated (blank in source)	dbA	—
DESIGN STANDARD	AS1359		—
CERTIFICATION	Not stated (blank in source)		—
TEMPERATURE RISE ABOVE AMBIENT	Not stated (blank in source)		—

Datasheet-524.pdf

Associated selection rows: 430

Datasheet-524.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO SINGLE PHASE B56 FRAME		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.75		—

VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	B56		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1450	(rpm)	—
CURRENT / FULL LOAD	6.6	(Amps)	—
CURRENT / LOCKED ROTOR	650	%	—
TORQUE / FULL LOAD TORQUE	3.6	(Nm)	—
TORQUE / STARTING TORQUE	240	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	250	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	69.9	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	77	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	F		—
ENCLOSURE TYPE	TEFC		—
IP RATING	44		—
WEIGHT OF MOTOR	17	kgs	—

BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6203 ZZ		—
NO LOAD SOUND PRESSURE LEVEL @ 1M	Not stated (blank in source)	dbA	—
DESIGN STANDARD	AS1359		—
CERTIFICATION	Not stated (blank in source)		—
TEMPERATURE RISE ABOVE AMBIENT	Not stated (blank in source)		—

Original downloads and support

Download our single-phase catalogue , PDF drawing archive or CAD drawing archive . The individual datasheets are linked above. No separate operating manual is attached in the collected B56 product pack; contact our team for installation instructions, 3D files, options and certified dimensions for your motor.

Company documents

TAC-EMD-Standard-Conditions-of-Sale-Final-May-2022.pdf

ISO9001-Intertek-SAI-Global-Certificate-QEC3088-Expiry-25-May-2029.pdf

ISO45001-Intertek-SAI-Global-Certificate-0185118-Expiry-22-August-2027.pdf

These company references have their own scope; they are not motor-specific approvals.

Source editions: TECO1PH-032014 catalogue; individual drawings and datasheets collected 15 October 2026. Product-page wording checked 26 October 2026. Original editions, conditions and source differences remain identifiable.