

TECO Single Phase Steel Frame – BEGY

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

Details:

Product

Product Facts

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

TECO · SINGLE-PHASE MOTORS

BEGY Single Phase Steel Frame Motors

Practical single-phase power in a compact steel-frame package. Our BEGY motors use capacitor start–capacitor run (CSR) operation for high starting torque and good running performance, with a choice of foot, flange, or foot-and-flange mounting. Tell us about your application and we'll help you select the right configuration.

Our catalogue and listed selections cover 0.25–1.1 kW at two poles and 0.18–0.75 kW at four poles . The individual datasheets specify 240 V, single-phase, 50 Hz , direct-on-line starting and totally enclosed fan cooling. Our steel-frame product description specifies Class F insulation, S1 continuous duty, IP44 protection, IC411 cooling and manual overload protection , with a one-year warranty . Confirm the warranty terms and fitted protection for your purchase with us.

Before ordering: our website's headline range and some feature text differ from its selection table and attachments. The 0.18 kW four-pole entry also has conflicting frame and bearing details. We retain those differences below so you can confirm the exact motor with our team.

[Choose a configuration](#) · [Application guide](#) · [Details to confirm](#) · [Catalogue specifications](#) · [Datasheets and drawings](#) · [Downloads and support](#)

Choose your BEGY configuration

Our 10 listed selections are linked to their individual datasheets and the collected drawing sets. Each distinct PDF appears once in the detailed reference below. A shared archive includes several ratings and mountings; match the power, pole count, frame and mounting on the drawing before using its dimensions. An archive association alone does not prove that every member applies to every selection.

The drawings include IM1001 foot , IM2001 foot and flange , and IM3001 flange arrangements. Our catalogue calls the flange-only steel-frame series BETY ; its designation remains unchanged in those tables.

Row	Website specification	Datasheet	Drawings / archive members
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403	kW Rating: 0.25; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D71	Datasheet-510.pdf	13 drawings in shared set
404	kW Rating: 0.25; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D71	Datasheet-516.pdf	13 drawings in shared set
405	kW Rating: 0.37; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D71	Datasheet-511.pdf	13 drawings in shared set
406	kW Rating: 0.37; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D71	Datasheet-517.pdf	13 drawings in shared set
407	kW Rating: 0.55; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D71	Datasheet-512.pdf	13 drawings in shared set
408	kW Rating: 0.55; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D80	Datasheet-518.pdf	8 drawings in shared set
409	kW Rating: 0.75; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D80	Datasheet-513.pdf	8 drawings in shared set
410	kW Rating: 0.75; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D80	Datasheet-519.pdf	8 drawings in shared set
411	kW Rating: 1.10; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D80	Datasheet-514.pdf	8 drawings in shared set
412	kW Rating: 0.18; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D63	Datasheet-515.pdf	Available upon request

Shared drawing set 1

Original archive membership; choose the matching rating and mounting.

0.37BE2 , 0.25BE4.pdf

0.37BV2.pdf

0.18BV4 , 0.25BV2.pdf
0.37BF2.pdf
0.55BF2.pdf
0.37BE4.pdf
0.25BV4.pdf
0.25BF2 , 0.18BF4 , 0.25BF4.pdf
0.37BV4.pdf
0.55BV2.pdf
0.55BE2.pdf
0.37BF4.pdf
0.18BE4 , 0.25BE2.pdf

Shared drawing set 2

Original archive membership; choose the matching rating and mounting.

0.75BF2 , 0.55BF4.pdf
1.1BF2.pdf
0.75BE2 , 0.55BE4 , 0.75BE4.pdf
0.75BF4.pdf
0.75BV4.pdf
0.75VB2 , 0.55BV4.pdf
1.1BE2.pdf
1.1BV2.pdf

CAD downloads: CADdrawings-517.zip · CADdrawings-519.zip

All 10 3D-drawing fields are available upon request . The 0.18 kW four-pole row also lists its PDF and CAD drawings as available upon request. Drawings naming 0.18 kW exist in other rows' shared archives, but we have not reassigned them to this row or treated them as a confirmed D63 outline. No software download is listed.

Built around your application

Start with your available supply, starting and running torque, operating duty, and mounting space. Our CSR motors use a start capacitor for starting torque and a run capacitor during operation. Exact speed, current, efficiency, torque, power factor and capacitor values are specific to each rating and remain in the tables below.

Our catalogue describes continuous operation at nameplate current , an ambient range of –10 to 40°C , and operation below 1,000 m altitude . Above those conditions, contact us about derating. Its standard specification lists non-hazardous environments, maximum 90% relative humidity, and belt or direct drive. Historical IEC34 and AS1359/1360 references remain with the catalogue; our website names IEC60034 and AS1359. These references are not a current certificate of approval.

For the catalogue's 71–80 frames , construction includes a rolled-steel frame, aluminium-alloy endshields with steel inserts, and a cast-iron drive-end endshield on frame 80. A bidirectional polypropylene fan, pressed-steel fan cover and terminal box, double-shielded pre-greased bearings, copper random-wound stator and dynamically balanced die-cast aluminium rotor complete the assembly. The catalogue describes Class F insulation and a centrifugal switch. It lists a deep-green

Munsell 2.5G 6/3 finish and aluminium nameplate for these frames.

The terminal box is shown on the right when viewed from the drive-shaft end, with a left-side option. We can help confirm the available mounting and terminal-box arrangement. For direction changes, terminal connections and protection, follow the original diagrams and instructions for your motor; the catalogue's wiring groups distinguish motors up to 1.1 kW with thermal protection from larger dual-voltage motors. We have not reconstructed wiring from a text extract.

Use the dimensions for the selected mounting and source edition. The original outlines are marked typical dimensions only—ask us for certified dimensions before final installation. Catalogue dimensions are in millimetres; the individual outlines do not explicitly state general dimensional units, so their callouts are retained as printed. Blank entries are not zero or an invitation to infer a missing measurement.

Details to confirm with our team

Where our published information differs, we retain each source's wording or value and identify what needs confirmation.

Range and construction: the website introduction states 0.18–0.75 kW and rolled-steel construction, but also includes “solid cast iron” wording. Its feature list gives 1.1–7.5 kW, frames 90S–132M and cast-iron construction. Those statements conflict with the BEGY catalogue and the page's own smaller-motor selections. The selection table includes 1.1 kW two-pole . Do not apply the larger cast-iron specifications or 240/480 V claims to these 240 V datasheets.

0.18 kW four-pole frame and bearings: the website row states D63 ; Datasheet-515 states D71 , 7.5 kg , and 6201 ZZ at both ends . The catalogue uses A71 , with 6202 ZZ at both ends . Its drawings are on request for that website row. An older A71 drawing marked “63 FLANGE” is a flange description, not proof that it matches the listed D63 motor.

Datasheet weights: nine sheets—510–514 and 516–519—print 6202 ZZ or 6204 ZZ under “WEIGHT OF MOTOR / kgs”. These are nonnumeric source entries, not usable masses. Their literal entries remain in the source tables, with warnings. Catalogue approximate masses remain separate; we have not substituted them as verified datasheet weights.

Frame designations: the datasheets use D71/D80, while the catalogue distinguishes A71, B71 and 80. Those labels remain separate; confirm the dimensional configuration rather than treating the prefixes as interchangeable.

Power factor: the 0.37 kW two-pole Datasheet-511 gives 80% at full load; the catalogue gives 0.81 (81%). Both are retained.

Terminal enclosure clearance: the four 71-frame foot drawings print 147 for the shaft-centre to terminal enclosure outer-edge callout; the corresponding catalogue AD entries are 114 mm . Confirm the envelope before allocating clearance.

Flange fits and projection: individual flange drawings use h7 for the pilot, while the catalogue states N = js6 . The three 80-frame flange-only drawings print register projection 3 , versus 3.5 mm in the catalogue. Do not transfer these differences to the foot-and-flange drawings, which print 3.5.

80-frame flange-only axial lengths: the 0.75 kW two-pole / 0.55 kW four-pole outline prints flange-face-to-fan-end 285 , versus catalogue LB 295 mm . The 0.75 kW four-pole and 1.1 kW two-pole outlines print 295 , versus catalogue 315 mm . Overall lengths are retained separately. We have not adjusted dimensions to make a chain add up.

Drawing labels: 0.37BF4 says “FOOT & FLANGE MOUNTED” but prints IM3001 . The 0.75 kW two-pole / 0.55 kW four-pole flange file is named 0.75VB2 , 0.55BV4.pdf , while its title block says 0.75BV2 . Original filenames and printed labels remain traceable.

Insulation, cooling and operating limits: the steel-frame description and catalogue specify Class F; the conflicting website feature text mentions Class H/F materials. Datasheet insulation fields are blank. The catalogue prints IC0141 versus the website's IC411, distinguishes $\pm 10\%$ supply tolerance from $\pm 5\%$ for rated performance, and states both a 105°C Class F rise and a performance rise not exceeding 90°C by resistance method. Keep those statements in their original contexts.

Selection / sheet	Field	Datasheet	Catalogue
0.25 kW / 2P · Datasheet-510.pdf	Frame designation	D71	A71
0.25 kW / 4P · Datasheet-516.pdf	Frame designation	D71	A71
0.37 kW / 2P · Datasheet-511.pdf	POWER FACTOR / 100% LOAD	80 %	81.00 %
0.37 kW / 2P · Datasheet-511.pdf	Frame designation	D71	A71
0.37 kW / 4P · Datasheet-517.pdf	Frame designation	D71	B71
0.55 kW / 2P · Datasheet-512.pdf	Frame designation	D71	B71
0.18 kW / 4P · Datasheet-515.pdf	Frame designation	D71	A71

Catalogue current/torque ratios and power factors were compared on the same percentage basis as the datasheets. Original ratios, supply pairs and frame labels remain unchanged below. Frame designation differences are retained as labels, not automatically treated as equivalent frames.

BEGY catalogue specifications

Our shared single-phase catalogue includes several product families. These tables retain shared operating context, the BEGY performance and spare-parts rows, and the steel-frame mounting schedules—including the flange-only BETY tables. BECY/BEDY and B56-only tables are excluded from this guide. Where a shared paragraph still names another family or voltage, it is explicitly scoped and does not extend the BEGY rating. Every catalogue page remains linked to its original edition.

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

Catalogue range and navigation

Catalogue page 2

Catalogue context / Range

Property	Value	Unit
BEGY	Single Phase Motor, Type CSR; Series BEGY; Frame size 71–80; Output 0.18–1.1kW.	

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 BEGY specifications. Use the selected BEGY 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 BEGY specifications. Use the selected BEGY 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 BEGY specifications. Use the selected BEGY 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 BEGY specifications. Use the selected BEGY 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

Property	Value	Unit
1	Fan Cover	part label
2	Fan	part label
3	End shield N-End	part label
4	Centrifugal Switch	part label
5	Stator Frame	part label
6	Stator	part label
7	Rotor	part label
8	End shield D-End	part label
9	Bearing	part label
10	Shaft	part label
11	Terminal Box	part label
12	Capacitor Box	part label

BEGY performance data

Catalogue page 7

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 ϕ (dimensionless)	Full-load current 240 V (A)	Full-load current 480 V (A)	Starting current ratio 240 V (I _{st} /I _N)	Starting current ratio 480 V (I _{st} /I _N)	Full-load torque (Nm)	Starting torque ratio (T _{st} /T _N)	Breakdown torque ratio (T _b /T _N)	Start capacitor (μF)	Start capacitor rated voltage (Vac)	Run capacitor (μF)	Run capacitor rated voltage (Vac)
2	0.25	A71	2880	65.9	0.80	1.96	—	5.1	—	0.78	2.6	2.8	40	250	4	440
2	0.37	A71	2870	72.4	0.81	2.66	—	4.9	—	1.27	2.3	2.3	50	250	5	440
2	0.55	B71	2865	73	0.86	3.74	—	5.9	—	1.86	2.7	2.4	80	250	8	440
2	0.75	80	2900	74	0.87	4.84	—	7	—	2.45	3.2	2.8	100	250	10	440
2	1.1	80	2880	75.5	0.94	6.6	—	6.5	—	3.6	2.4	2.5	125	250	15	440
4	0.18	A71	1430	63.5	0.72	1.7	—	4.7	—	1.18	2.7	2.4	40	250	4	440
4	0.25	A71	1420	64.3	0.75	2.12	—	4.7	—	1.66	2.3	2.3	40	250	4	440
4	0.37	B71	1415	68.7	0.78	2.9	—	5.2	—	2.45	2.2	2.3	70	250	6	440
4	0.55	80	1425	70.1	0.77	4.3	—	5.1	—	3.7	2.6	1.8	80	250	8	440
4	0.75	80	1425	72.1	0.86	5	—	5.8	—	5	2.5	2.2	100	250	12	440

Source conditions: Tolerances according to IEC 34-1 and AS 1359.60. Efficiency — 15(1- η)% when P2 ≤50kW. Power factor cos ϕ — (1-cos ϕ)/6, minimum 0.02, maximum 0.07. Torque T_N = (9550 × kW)/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. I _{st} /I _N = Starting Current/Nominal F.L. Current; T _{st} /T _N = Starting Torque/Nominal F.L. Torque; T _b /T _N = Break down Torque/Nominal F.L. Torque.	

Foot mounting IM1001

IM1001 overall and mounting dimensions

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.

Series	Frame	Output 2P (kW)	Output 4P (kW)	Figure (figure reference)	A (mm)	A A (mm)	A B (mm)	A C (mm)	A D (mm)	A E (mm)	B (mm)	B A (mm)	B B (mm)	C (mm)	H (mm)	H A (mm)	H C (mm)	H D (mm)	H E (mm)	K (mm)	K K (mm)
BEGY	A71	0.25	0.18	1	112	40	150	144	114	86	90	30	120	45	71	3.2	177		31	10	22
BEGY	A71	0.37	0.25	1	112	40	150	144	114	86	90	30	120	45	71	3.2	182		31	10	22
BEGY	B71		0.37	1	112	40	150	144	114	86	90	30	120	45	71	3.2	182		31	10	22
BEGY	B71	0.55		1	112	40	150	144	114	86	90	30	120	45	71	3.2	187		31	10	22
BEGY	80	0.75	0.55	1	125	40	165	163	122	94	100	30	130	50	80	3.2	205		40	10	22
BEGY	80		0.75	1	125	40	165	163	122	94	100	30	130	50	80	3.2	205		40	10	22
BEGY	80	1.1		1	125	40	165	163	122	94	100	30	130	50	80	3.2	211		40	10	22

IM1001 shaft bearing and approximate mass

Ser ies	Fra me	Out put 2P (k W)	Out put 4P (k W)	Fig ure (fig ure ref ere nce)	L (m m)	LE (m m)	LL (m m)	Z (m m)	D (m m)	E (m m)	ED (m m)	F (m m)	G (m m)	GA (m m)	Be ari ng D- EN D	Be ari ng ND -E ND	Ap pro x. ma ss 2P (kg)	Ap pro x. ma ss 4P (kg)
BE GY	A7 1	0.2 5	0.1 8	1	26 9	10 4	10 4	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ	7.5	7.5
BE GY	A7 1	0.3 7	0.2 5	1	26 9	10 4	10 4	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ	8.3	8.5
BE GY	B7 1		0.3 7	1	28 7	12 2	12 2	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ		10
BE GY	B7 1	0.5 5		1	28 7	12 2	12 2	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ	9.7	
BE GY	80	0.7 5	0.5 5	1	30 7	11 7	12 3	20	19	40	25	6	15. 5	21. 5	62 04 ZZ	62 02 ZZ	13. 5	12
BE GY	80		0.7 5	1	30 7	11 7	12 3	20	19	40	25	6	15. 5	21. 5	62 04 ZZ	62 02 ZZ		14
BE GY	80	1.1		1	30 7	11 7	12 3	20	19	40	25	6	15. 5	21. 5	62 04 ZZ	62 02 ZZ	15. 5	

Flange mounting IM3001 — BETY catalogue designation

Catalogue page 9

IM3001 flange dimensions

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. Series are BETY/BEDY on this page; not silently relabelled BEGY/BECY.

Seri es	Fra me	Out put 2P (kW)	Out put 4P (kW)	Fig ure (fig ure)	AD (m m)	AE (m m)	HB (m m)	HC (m m)	KK (m m)	L (mm)	LA (m m)	LB (m m)	M (mm)	N (mm)	P (mm)	S (mm)	T (mm)
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		)	)	refe ren ce)													
BE TY	A71	0.2 5	0.1 8	1	114	86		180	22	294	10	271	115	95	140	10	3
BE TY	A71		0.2 5	1	114	86		186	22	301	10	271	130	110	160	10	3.5
BE TY	A71	0.3 7		1	114	86		191	22	301	10	271	130	110	160	10	3.5
BE TY	B71		0.3 7	1	114	86		191	22	319	10	289	130	110	160	10	3.5
BE TY	B71	0.5 5		1	114	86		196	22	319	10	289	130	110	160	10	3.5
BE TY	80	0.7 5	0.5 5	1	122	94		225	22	325	12	295	165	130	200	12	3.5
BE TY	80		0.7 5	1	122	94		225	22	335	12	315	165	130	200	12	3.5
BE TY	80	1.1		1	122	94		231	22	335	12	315	165	130	200	12	3.5

IM3001 shaft and bearing dimensions

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. Printed tolerance text: D = <28-j6, 38k6; F = h9; H = +0 -0.5; N = js6. Do not infer an unstated D=28 tolerance.

Serie s	Fram e	Outpu t 2P (kW)	Outpu t 4P (kW)	Figur e (figu re ref erenc e)	D (mm)	E (mm)	ED (mm)	F (mm)	G (mm)	GA (mm)	Beari ng D- END	Beari ng N D-EN D
BETY	A71	0.25	0.18	1	11	23	10	4	8.5	12.5	6202 ZZ	6202 ZZ
BETY	A71		0.25	1	14	30	14	5	11	16	6202 ZZ	6202 ZZ
BETY	A71	0.37		1	14	30	14	5	11	16	6202 ZZ	6202 ZZ
BETY	B71		0.37	1	14	30	14	5	11	16	6202 ZZ	6202 ZZ
BETY	B71	0.55		1	14	30	14	5	11	16	6202 ZZ	6202 ZZ
BETY	80	0.75	0.55	1	19	40	25	6	15.5	21.5	6204 ZZ	6202 ZZ

BETY	80		0.75	1	19	40	25	6	15.5	21.5	6204 ZZ	6202 ZZ
BETY	80	1.1		1	19	40	25	6	15.5	21.5	6204 ZZ	6202 ZZ

IM3001 tolerance

Property	Value	Unit
D	<28-j6, 38k6	
F	h9	
H	+0 –0.5	
N	js6	

Drawing callout

Property	Value	Unit
Flange figures 1–3	45°	

Foot and flange mounting IM2001

Catalogue page 10

IM2001 foot and flange dimensions

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.

S eri es	Fr a m e	O u t p u t 2 P (k W)	O u t p u t 4 P (k W)	Fi gu re (fi gu re re fe re nc e)	A (m m)	A A (m m)	A B (m m)	A D (m m)	A E (m m)	B (m m)	B A (m m)	B B (m m)	C (m m)	H (m m)	H A (m m)	H C (m m)	H D (m m)	H E (m m)	K (m m)	K K (m m)	L (m m)	L A (m m)	L B (m m)
B E G Y	A 71	0. 25	0. 18	1	11 2	40	15 0	11 4	86	90	30	12 0	77	71	3. 2	17 7		31	10	22	30 1	10	27 1
B E	A 71		0. 25	1	11 2	40	15 0	11 4	86	90	30	12 0	77	71	3. 2	17 7		31	10	22	30 1	10	27 1

G Y																							
B E G Y	A 71	0. 37		1	11 2	40	15 0	11 4	86	90	30	12 0	77	71	3. 2	18 2		31	10	22	30 1	10	27 1
B E G Y	B 71		0. 37		11 2	40	15 0	11 4	86	90	30	12 0	77	71	3. 2	18 2		31	10	22	31 9	10	28 9
B E G Y	B 71	0. 55			11 2	40	15 0	11 4	86	90	30	12 0	77	71	3. 2	18 7		31	10	22	31 9	10	28 9
B E G Y	80	0. 75	0. 55	1	12 5	40	16 5	12 2	94	10 0	30	13 0	77 .5	80	3. 2	20 5		40	10	22	33 5	12	29 5
B E G Y	80		0. 75	1	12 5	40	16 5	12 2	94	10 0	30	13 0	77 .5	80	3. 2	20 5		40	10	22	35 5	12	31 5
B E G Y	80	1. 1		1	12 5	40	16 5	12 2	94	10 0	30	13 0	77 .5	80	3. 2	21 1		40	10	22	35 5	12	31 5

IM2001 flange shaft and bearing dimensions

Se rie s	Fra me	Ou tpu t 2P (k W)	Ou tpu t 4P (k W)	Fig ure (fig ure ref ere nce)	LL (m m)	M (m m)	N (m m)	P (m m)	S (m m)	T (m m)	Z (m m)	D (m m)	E (m m)	ED (m m)	F (m m)	G (m m)	GA (m m)	Be ari ng D- EN D	Be ari ng ND -E ND
BE GY	A7 1	0.2 5	0.1 8	1	10 4	13 0	11 0	16 0	10	3.5	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ
BE GY	A7 1		0.2 5	1	10 4	13 0	11 0	16 0	10	3.5	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ
BE GY	A7 1	0.3 7		1	10 4	13 0	11 0	16 0	10	3.5	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ

BE GY	B7 1		0.3 7		12 2	13 0	11 0	16 0	10	3.5	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ
BE GY	B7 1	0.5 5			12 2	13 0	11 0	16 0	10	3.5	20	14	30	14	5	11	16	62 02 ZZ	62 02 ZZ
BE GY	80	0.7 5	0.5 5	1	12 3	16 5	13 0	20 0	12	3.5	20	19	40	25	6	15. 5	21. 5	62 04 ZZ	62 02 ZZ
BE GY	80		0.7 5	1	14 3	16 5	13 0	20 0	12	3.5	20	19	40	25	6	15. 5	21. 5	62 04 ZZ	62 02 ZZ
BE GY	80	1.1		1	14 3	16 5	13 0	20 0	12	3.5	20	19	40	25	6	15. 5	21. 5	62 04 ZZ	62 02 ZZ

BEGY spare parts

Catalogue page 11

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
BEGYBS	0.18	4	TS1RA45 17	40uf 250V AC	4uf 440V AC	MRA 68164	6202 ZZ	6202 ZZ
BEGYBS	0.25	2	TS1RA25 17	40uf 250V AC	4uf 440V AC	MRA 68163	6202 ZZ	6202 ZZ
BEGYBS	0.25	4	TS1RA45 17	40uf 250V AC	4uf 440V AC	MRA 68163	6202 ZZ	6202 ZZ
BEGYBS	0.37	2	TS1RA25 17	50uf 250V AC	5uf 440V AC	MRA 68225	6202 ZZ	6202 ZZ
BEGYBS	0.37	4	TS1RA45 17	70uf 250V AC	6uf 440V AC	MRA 68225	6202 ZZ	6202 ZZ
BEGYBS	0.55	2	TS1RA25 17	80uf 250V AC	8uf 440V AC	MRA 68223	6202 ZZ	6202 ZZ

BEGYBS	0.55	4	TS1RA45 17	80uf 250V AC	8uf 440V AC	MRA 68223	6204 ZZ	6202 ZZ
BEGYBS	0.75	2	TS1RA25 17	100uf 250V AC	10uf 440V AC	MRA 68363	6204 ZZ	6202 ZZ
BEGYBS	0.75	4	TS1RA45 17	100uf 250V AC	12uf 440V AC	MRA 68363	6204 ZZ	6202 ZZ
BEGYBS	1.1	2	TS1RA25 17	125uf 250V AC	15uf 440V AC	MRA 68364	6204 ZZ	6202 ZZ

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

Individual datasheets and drawings

Each source retains its own ratings, missing fields and qualifications. The drawing sections also include 535 named dimensional callouts read from the 21 original outlines , including fits, shaft details, mounting holes and flange dimensions. Use the linked originals for geometry and datum positions; these tables do not replace a certified drawing.

0.18BE4 , 0.25BE2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/A71/0.18BE4 , 0.25BE2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	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	—

Printed rating table — P049, 0.18BE4 , 0.25BE2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	0.25 kW	0.33 HP	3000 rpm (synchronous, as headed)	C1
2	4 poles	0.18 kW	0.25 HP	1500 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/-0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Overall axial length	269
Shaft-centre to terminal enclosure outer edge	147

Shaft-centre to cable-entry axis	86
Front-view body width callout	144
Front-view overall vertical envelope	177
Shaft shoulder to nearer foot-hole centre	45
Rear foot-hole centre to fan end	104
Upper axial callout from fan end to drawn reference	104

0.18BV4 , 0.25BV2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

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Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71 (63 FLANGE)	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.18BV4 , 0.25BV2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
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1	2 poles	0.25 kW	0.33 HP	3000 rpm (synchronous, as headed)	C1
2	4 poles	0.18 kW	0.25 HP	1500 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Overall axial length	294
Flange face to fan end	271
Shaft extension	23
Key length callout	10
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	180
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø11 j6
Key width	4
Shaft keyseat lower-height callout	8.5
Shaft-and-key top height	12.5
Shaft-end thread and depth	M4 TAP DEEP 6
Flange bolt pitch-circle diameter	Ø115
Flange pilot diameter and fit	Ø95 h7
Flange outer diameter	Ø140
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3
Flange-hole angular offset	45

0.25BF2 , 0.18BF4 , 0.25BF4.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/A71/0.25BF2 , 0.18BF4 , 0.25BF4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM2001.	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	—

Printed rating table — P049, 0.25BF2 , 0.18BF4 , 0.25BF4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	0.25 kW	0.33 HP	3000 rpm (synchronous, as headed)	C1
2	4 poles	0.18/0.25 kW	0.25/0.33 HP	1500 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150

Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/−0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Overall axial length	301
Flange face to fan end	271
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	177
Axial front mounting offset as drawn	77
Rear foot-hole centre to fan end	115
Upper axial callout from fan end to drawn reference	104

0.25BV4.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

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Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.25BV4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5

Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Flange-hole angular offset	45
Overall axial length	301
Flange face to fan end	271
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	186

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Associated selection rows: 403 , 404 , 405 , 406 , 407

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Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot mounted IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED	as printed	—

	DIMENSIONS REFER TO TECO.		
Drawing note / 3	For belt or direct drive.	as printed	—

Printed rating table — P049, 0.37BE2 , 0.25BE4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	0.37 kW	0.50 HP	3000 rpm (synchronous, as headed)	C1
2	4 poles	0.25 kW	0.33 HP	1500 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/−0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5

Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Overall axial length	269
Shaft-centre to terminal enclosure outer edge	147
Shaft-centre to cable-entry axis	86
Front-view body width callout	144
Front-view overall vertical envelope	182
Shaft shoulder to nearer foot-hole centre	45
Rear foot-hole centre to fan end	104
Upper axial callout from fan end to drawn reference	104

0.37BE4.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

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Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	B71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	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	—

Printed rating table — P049, 0.37BE4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/−0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Overall axial length	287
Shaft-centre to terminal enclosure outer edge	147
Shaft-centre to cable-entry axis	86
Front-view body width callout	144
Front-view overall vertical envelope	182

Shaft shoulder to nearer foot-hole centre	45
Rear foot-hole centre to fan end	122
Upper axial callout from fan end to drawn reference	122

0.37BF2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/A71/0.37BF2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM2001.	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	—

Printed rating table — P049, 0.37BF2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	0.37 kW	0.50 HP	3000 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/−0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Overall axial length	301
Flange face to fan end	271
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	182
Axial front mounting offset as drawn	77
Rear foot-hole centre to fan end	115

Upper axial callout from fan end to drawn reference	104
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0.37BF4.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/B71/0.37BF4.pdf .

Source differences and limitations

Printed note says foot & flange mounted IM3001; wording and code retained together.

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	B71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM3001.	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	—

Printed rating table — P049, 0.37BF4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/−0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Overall axial length	319
Flange face to fan end	289
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	182
Axial front mounting offset as drawn	77

Rear foot-hole centre to fan end	122
Upper axial callout from fan end to drawn reference	122

0.37BV2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/A71/0.37BV2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	A71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.37BV2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	0.37 kW	0.50 HP	3000 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Flange-hole angular offset	45
Overall axial length	301
Flange face to fan end	271
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	191

0.37BV4.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/B71/0.37BV4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	B71	as printed	—
Drawing / Phase	1	as printed	C1

Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.37BV4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7

Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Flange-hole angular offset	45
Overall axial length	319
Flange face to fan end	289
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	191

0.55BE2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/B71/0.55BE2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	B71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	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	—

Printed rating table — P049, 0.55BE2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for

diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/−0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Overall axial length	287
Shaft-centre to terminal enclosure outer edge	147
Shaft-centre to cable-entry axis	86
Front-view body width callout	144
Front-view overall vertical envelope	187
Shaft shoulder to nearer foot-hole centre	45

Rear foot-hole centre to fan end	122
Upper axial callout from fan end to drawn reference	122

0.55BF2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/B71/0.55BF2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	B71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM2001.	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	—

Printed rating table — P049, 0.55BF2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	112
Foot overall width	150
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	71 +0/-0.5
Lower terminal enclosure height above foot plane	31
Axial foot slot-group callout	30
Axial mounting-hole centres	90
Foot overall axial length	120
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Foot slot detail: length × width	20 × 10
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Overall axial length	319
Flange face to fan end	289
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	187
Axial front mounting offset as drawn	77
Rear foot-hole centre to fan end	122

Upper axial callout from fan end to drawn reference	122
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0.55BV2.pdf

Associated selection rows: 403 , 404 , 405 , 406 , 407

PDFdrawings-517.zip > 71 FRAME/B71/0.55BV2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	B71	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.55BV2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø14 j6
Key width	5
Shaft keyseat lower-height callout	11
Shaft-and-key top height	16
Shaft-end thread and depth	M5 TAP DEEP 7.5
Shaft extension	30
Key length callout	14
Flange bolt pitch-circle diameter	Ø130
Flange pilot diameter and fit	Ø110 h7
Flange outer diameter	Ø160
Flange bolt holes	4-Ø10 Holes
Flange thickness	10
Flange register projection	3.5
Flange-hole angular offset	45
Overall axial length	319
Flange face to fan end	289
Shaft-centre to terminal enclosure outer edge	114
Shaft-centre to cable-entry axis	86
Front-view overall vertical envelope	196

Datasheet-510.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 403

Datasheet-510.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.25		—

VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D71		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2880	(rpm)	—
CURRENT / FULL LOAD	1.96	(Amps)	—
CURRENT / LOCKED ROTOR	510	%	—
TORQUE / FULL LOAD TORQUE	0.78	(Nm)	—
TORQUE / STARTING TORQUE	260	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	280	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	65.9	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	80	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6202 ZZ	kgs	—

BEARINGS / DRIVE END	6202 ZZ		—
BEARINGS / NON DRIVE END	6202 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-516.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 404

Datasheet-516.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.25		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D71		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1420	(rpm)	—
CURRENT / FULL LOAD	2.12	(Amps)	—
CURRENT / LOCKED ROTOR	470	%	—
TORQUE / FULL LOAD TORQUE	1.66	(Nm)	—

TORQUE / STARTING TORQUE	230	%	—
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	64.3	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	75	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6202 ZZ	kgs	—
BEARINGS / DRIVE END	6202 ZZ		—
BEARINGS / NON DRIVE END	6202 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)		—

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 405

Datasheet-511.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.37		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D71		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2870	(rpm)	—
CURRENT / FULL LOAD	2.66	(Amps)	—
CURRENT / LOCKED ROTOR	490	%	—
TORQUE / FULL LOAD TORQUE	1.27	(Nm)	—
TORQUE / STARTING TORQUE	230	%	—
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	72.4	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—

POWER FACTOR / 100% LOAD	80	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6202 ZZ	kgs	—
BEARINGS / DRIVE END	6202 ZZ		—
BEARINGS / NON DRIVE END	6202 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-517.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 406

Datasheet-517.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.37		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—

NO OF POLES	4		—
FRAME	D71		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1415	(rpm)	—
CURRENT / FULL LOAD	2.9	(Amps)	—
CURRENT / LOCKED ROTOR	520	%	—
TORQUE / FULL LOAD TORQUE	2.45	(Nm)	—
TORQUE / STARTING TORQUE	220	%	—
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	68.7	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	78	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6202 ZZ	kgs	—
BEARINGS / DRIVE END	6202 ZZ		—

BEARINGS / NON DRIVE END	6202 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-512.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 407

Datasheet-512.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.55		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D71		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2865	(rpm)	—
CURRENT / FULL LOAD	3.74	(Amps)	—
CURRENT / LOCKED ROTOR	590	%	—
TORQUE / FULL LOAD TORQUE	1.86	(Nm)	—
TORQUE / STARTING TORQUE	270	%	—

TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	240	%	—
ROTOR INERTIA (J = GD ² /4)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	73	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	86	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6202 ZZ	kgs	—
BEARINGS / DRIVE END	6202 ZZ		—
BEARINGS / NON DRIVE END	6202 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)		—

0.75BE2 , 0.55BE4 , 0.75BE4.pdf

Associated selection rows: 408 , 409 , 410 , 411

PDFdrawings-519.zip > 80 FRAME/0.75BE2 , 0.55BE4 , 0.75BE4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	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	—

Printed rating table — P049, 0.75BE2 , 0.55BE4 , 0.75BE4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. 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, as headed)	C1
2	4 poles	0.55/0.75 kW	0.75/1 HP	1500 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	125
Foot overall width	165

Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	80 +0/−0.5
Lower terminal enclosure height above foot plane	40
Axial mounting-hole centres	100
Foot overall axial length	130
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Foot slot detail: length × width	20 × 10
Shaft extension	40
Key length callout	25
Overall axial length	307
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view body width callout	163
Front-view overall vertical envelope	205
Shaft shoulder to nearer foot-hole centre	50
Rear foot-hole centre to fan end	117
Upper axial callout from fan end to drawn reference	123

0.75BF2 , 0.55BF4.pdf

Associated selection rows: 408 , 409 , 410 , 411

PDFdrawings-519.zip > 80 FRAME/0.75BF2 , 0.55BF4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—

Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM2001.	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	—

Printed rating table — P049, 0.75BF2 , 0.55BF4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. 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, as headed)	C1
2	4 poles	0.55 kW	0.75 HP	1500 rpm (synchronous, as headed)	C1

TECO Single Phase Steel Frame – BEGY — technical configurations, part 2 of 2

Product: P049. Product page:

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

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	125
Foot overall width	165
Foot slot-group width callout	40

Foot thickness	3.2
Shaft height and tolerance	80 +0/−0.5
Lower terminal enclosure height above foot plane	40
Axial mounting-hole centres	100
Foot overall axial length	130
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Foot slot detail: length × width	20 × 10
Shaft extension	40
Key length callout	25
Flange bolt pitch-circle diameter	Ø165
Flange pilot diameter and fit	Ø130 h7
Flange outer diameter	Ø200
Flange bolt holes	4-Ø12 Holes
Flange thickness	12
Flange register projection	3.5
Overall axial length	335
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view overall vertical envelope	205
Axial front mounting offset as drawn	77.5
Rear foot-hole centre to fan end	148
Upper axial callout from fan end to drawn reference	123
Axial foot slot-group callout	30

0.75BF4.pdf

Associated selection rows: 408 , 409 , 410 , 411
PDFdrawings-519.zip > 80 FRAME/0.75BF4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM2001.	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	—

Printed rating table — P049, 0.75BF4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. 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, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	125
Foot overall width	165
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	80 +0/−0.5

Lower terminal enclosure height above foot plane	40
Axial mounting-hole centres	100
Foot overall axial length	130
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Foot slot detail: length × width	20 × 10
Shaft extension	40
Key length callout	25
Flange bolt pitch-circle diameter	Ø165
Flange pilot diameter and fit	Ø130 h7
Flange outer diameter	Ø200
Flange bolt holes	4-Ø12 Holes
Flange thickness	12
Flange register projection	3.5
Overall axial length	355
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view overall vertical envelope	205
Axial front mounting offset as drawn	77.5
Rear foot-hole centre to fan end	138
Upper axial callout from fan end to drawn reference	143
Axial foot slot-group callout	30

0.75BV4.pdf

Associated selection rows: 408 , 409 , 410 , 411
PDFdrawings-519.zip > 80 FRAME/0.75BV4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.75BV4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. 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, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Shaft extension	40

Key length callout	25
Flange bolt pitch-circle diameter	Ø165
Flange pilot diameter and fit	Ø130 h7
Flange outer diameter	Ø200
Flange bolt holes	4-Ø12 Holes
Flange thickness	12
Flange register projection	3
Flange-hole angular offset	45
Overall axial length	335
Flange face to fan end	295
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view overall vertical envelope	225

0.75VB2 , 0.55BV4.pdf

Associated selection rows: 408 , 409 , 410 , 411

PDFdrawings-519.zip > 80 FRAME/0.75VB2 , 0.55BV4.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 0.75VB2 , 0.55BV4.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. 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, as headed)	C1
2	4 poles	0.55 kW	0.75 HP	1500 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Shaft extension	40
Key length callout	25
Flange bolt pitch-circle diameter	Ø165
Flange pilot diameter and fit	Ø130 h7
Flange outer diameter	Ø200
Flange bolt holes	4-Ø12 Holes
Flange thickness	12
Flange register projection	3
Flange-hole angular offset	45
Overall axial length	325
Flange face to fan end	285
Shaft-centre to terminal enclosure outer edge	122

Shaft-centre to cable-entry axis	94
Front-view overall vertical envelope	225

1.1BE2.pdf

Associated selection rows: 408 , 409 , 410 , 411

PDFdrawings-519.zip > 80 FRAME/1.1BE2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	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	—

Printed rating table — P049, 1.1BE2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	1.1 kW	1.5 HP	3000 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	125
Foot overall width	165
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	80 +0/−0.5
Lower terminal enclosure height above foot plane	40
Axial mounting-hole centres	100
Foot overall axial length	130
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Foot slot detail: length × width	20 × 10
Shaft extension	40
Key length callout	25
Overall axial length	307
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view body width callout	163
Front-view overall vertical envelope	211
Shaft shoulder to nearer foot-hole centre	50
Rear foot-hole centre to fan end	117
Upper axial callout from fan end to drawn reference	123

1.1BF2.pdf

Associated selection rows: 408 , 409 , 410 , 411
PDFdrawings-519.zip > 80 FRAME/1.1BF2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Foot & flange mounted IM2001.	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	—

Printed rating table — P049, 1.1BF2.pdf, page 1

Conditions for this section:

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Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	1.1 kW	1.5 HP	3000 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Transverse mounting-hole centres	125
Foot overall width	165
Foot slot-group width callout	40
Foot thickness	3.2
Shaft height and tolerance	80 +0/−0.5

Lower terminal enclosure height above foot plane	40
Axial mounting-hole centres	100
Foot overall axial length	130
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Foot slot detail: length × width	20 × 10
Shaft extension	40
Key length callout	25
Flange bolt pitch-circle diameter	Ø165
Flange pilot diameter and fit	Ø130 h7
Flange outer diameter	Ø200
Flange bolt holes	4-Ø12 Holes
Flange thickness	12
Flange register projection	3.5
Overall axial length	355
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view overall vertical envelope	211
Axial front mounting offset as drawn	77.5
Rear foot-hole centre to fan end	138
Upper axial callout from fan end to drawn reference	143
Axial foot slot-group callout	30

1.1BV2.pdf

Associated selection rows: 408 , 409 , 410 , 411

PDFdrawings-519.zip > 80 FRAME/1.1BV2.pdf .

Source page 1

Conditions for this section:

C1: Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / frame_as_printed	D80	as printed	—
Drawing / Phase	1	as printed	C1
Drawing / Construction	Totally enclosed fan cooled capacitor-start & run type; squirrel-cage rotor	as printed	C1
Drawing note / 1	Flange mounted IM3001.	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	—

Printed rating table — P049, 1.1BV2.pdf, page 1

Conditions for this section:

C1: Blank or dotted entries mean not stated, never zero. Slash-separated values are alternatives within the printed row; do not combine unrelated rows. Source-specific ratings. Use the original drawing for diagram-only dimensions, fits, tolerances and geometry. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	1.1 kW	1.5 HP	3000 rpm (synchronous, as headed)	C1

Dimensions read from this original outline

Drawing does not explicitly state general dimensional units; retain printed values. Angle is in degrees. Typical dimensions only; refer to TECO for certified dimensions. Geometry and datum positions remain in the linked original.

Drawing callout	Printed value
Cable-entry diameter	Ø22
Shaft diameter and fit	Ø19 j6
Key width	6
Shaft keyseat lower-height callout	15.5
Shaft-and-key top height	21.5
Shaft-end thread and depth	M6 TAP DEEP 9
Shaft extension	40

Key length callout	25
Flange bolt pitch-circle diameter	Ø165
Flange pilot diameter and fit	Ø130 h7
Flange outer diameter	Ø200
Flange bolt holes	4-Ø12 Holes
Flange thickness	12
Flange register projection	3
Flange-hole angular offset	45
Overall axial length	335
Flange face to fan end	295
Shaft-centre to terminal enclosure outer edge	122
Shaft-centre to cable-entry axis	94
Front-view overall vertical envelope	231

Datasheet-518.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 408

Datasheet-518.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.55		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D80		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1425	(rpm)	—
CURRENT / FULL LOAD	4.3	(Amps)	—

CURRENT / LOCKED ROTOR	510	%	—
TORQUE / FULL LOAD TORQUE	3.7	(Nm)	—
TORQUE / STARTING TORQUE	260	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	180	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	70.1	%	—
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	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6204 ZZ	kgs	—
BEARINGS / DRIVE END	6204 ZZ		—
BEARINGS / NON DRIVE END	6202 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)		—
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Datasheet-513.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 409

Datasheet-513.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.75		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D80		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2900	(rpm)	—
CURRENT / FULL LOAD	4.84	(Amps)	—
CURRENT / LOCKED ROTOR	700	%	—
TORQUE / FULL LOAD TORQUE	2.45	(Nm)	—
TORQUE / STARTING TORQUE	320	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	280	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	74	%	—

EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	87	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6204 ZZ	kgs	—
BEARINGS / DRIVE END	6204 ZZ		—
BEARINGS / NON DRIVE END	6202 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-519.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 410

Datasheet-519.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—

KW RATING	0.75		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D80		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1425	(rpm)	—
CURRENT / FULL LOAD	5	(Amps)	—
CURRENT / LOCKED ROTOR	580	%	—
TORQUE / FULL LOAD TORQUE	5	(Nm)	—
TORQUE / STARTING TORQUE	250	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	220	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	72.1	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	86	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—

WEIGHT OF MOTOR	6204 ZZ	kgs	—
BEARINGS / DRIVE END	6204 ZZ		—
BEARINGS / NON DRIVE END	6202 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-514.pdf

The source prints a bearing code in WEIGHT OF MOTOR. This is not a usable mass. The original entry remains below for traceability; catalogue approximate masses are separately labelled.

Associated selection rows: 411

Datasheet-514.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	1.1		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D80		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2880	(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	75.5	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	94	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	6204 ZZ	kgs	—
BEARINGS / DRIVE END	6204 ZZ		—
BEARINGS / NON DRIVE END	6202 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-515.pdf

Associated selection rows: 412

Datasheet-515.pdf .

Source differences and limitations

Website/source difference — FRAME: website D63; PDF page 1 D71. Website row IDs: 412. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BEGY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	0.18		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D71		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1430	(rpm)	—
CURRENT / FULL LOAD	1.7	(Amps)	—
CURRENT / LOCKED ROTOR	470	%	—
TORQUE / FULL LOAD TORQUE	1.18	(Nm)	—
TORQUE / STARTING TORQUE	270	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	240	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	63.5	%	—

EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	72	%	—
POWER FACTOR / 75% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 50% LOAD	Not stated (blank in source)	%	—
INSULATION CLASS	Not stated (blank in source)		—
ENCLOSURE TYPE	TEFC		—
IP RATING	Not stated (blank in source)		—
WEIGHT OF MOTOR	7.5	kgs	—
BEARINGS / DRIVE END	6201ZZ		—
BEARINGS / NON DRIVE END	6201 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)		—

Downloads, customisation and support

Download our single-phase catalogue . Individual datasheets, PDF archives and CAD downloads are linked with the selections above. We can help with mounting options, terminal-box arrangements, 3D files and certified dimensions.

No separate operating manual is attached in the collected BEGY product pack. Contact our team for the installation instructions and modifications relevant to your motor. Historical catalogue contact details are replaced here by our current contact-page link.

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 and individual configuration sheets collected 15 October 2026. Product-page wording checked 27 October 2026. Source differences and original document identities remain traceable.