

TECO Single Phase Cast Iron Frame – BECY

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

Details:

Product

Product Facts

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

TECO · SINGLE-PHASE MOTORS

BECY Single Phase Cast Iron Motors

Dependable single-phase power, with the strength of a cast-iron frame. Our BECY range covers 1.1–7.5 kW , with metric frames 90S–132M , good starting torque and a choice of foot, flange, or foot-and-flange mounting. We can help you match the motor and its options to your application.

Our motors combine capacitor start–capacitor run (CSR) operation, continuous S1 duty , IP44 protection and totally enclosed fan cooling (IC411) . Cast-iron construction, a steel terminal/capacitor box and steel fan cover provide a robust package. We use Class H and F insulation materials with low temperature rise for thermal reserve; the catalogue's insulation-class specification is Class F. Our published product offer includes a two-year warranty —please confirm the terms for your purchase with our team.

Supply and protection: motors below 1.5 kW are described as 240 V, single-phase, 50 Hz with manual overload protection . Motors from 1.5 kW are described as 240/480 V, single-phase, 50 Hz . The selection table lists 240 V throughout; the individual datasheets retain their own voltage and paired-current ratings below.

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

Choose your BECY configuration

Our 13 listed selections are linked below to their individual datasheets and every collected PDF drawing member. We show each distinct source once, even when several selections share it. Match the power, pole count, frame and mounting printed on the source ; a shared archive does not make every member interchangeable.

The drawing references include IM1001 foot , IM2001 foot and flange , and IM3001 flange arrangements. In our catalogue, the flange-only range uses the BEDY designation; that name is retained in its tables. The 7.5 kW two-pole selection links to a standalone foot drawing, while other selections link to archives with several mountings. Related archive drawings remain associated with their original rows.

Row	Website specification	Datasheet	Drawings / archive members
413	kW Rating: 1.50; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D90L	Datasheet-495.pdf	2.2BE2 , 1.5BE4.pdf 2.2BF2 , 1.5BF4.pdf 2.2BV2 , 1.5VB4.pdf
414	kW Rating: 2.20; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D90L	Datasheet-489.pdf	2.2BE2 , 1.5BE4.pdf 2.2BF2 , 1.5BF4.pdf 2.2BV2 , 1.5VB4.pdf
415	kW Rating: 1.10; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D90S	Datasheet-494.pdf	1.5BE2 , 1.1BE4.pdf 1.5BF2 , 1.1BF4.pdf 1.5BV2 , 1.1BV4.pdf
416	kW Rating: 1.50; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D90S	Datasheet-488.pdf	1.5BE2 , 1.1BE4.pdf 1.5BF2 , 1.1BF4.pdf 1.5BV2 , 1.1BV4.pdf
417	kW Rating: 2.20; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D100L	Datasheet-496.pdf	3BE2 , 2.2BE4 , 3BE4.pdf 3BF2 , 2.2BF4 , 3BF4.pdf 3BV2 , 2.2BV4 , 3BV4.pdf
418	kW Rating: 3.00; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D100L	Datasheet-490.pdf	3BE2 , 2.2BE4 , 3BE4.pdf 3BF2 , 2.2BF4 , 3BF4.pdf 3BV2 , 2.2BV4 , 3BV4.pdf
419	kW Rating: 3.00; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D100L	Datasheet-497.pdf	3BE2 , 2.2BE4 , 3BE4.pdf 3BF2 , 2.2BF4 , 3BF4.pdf 3BV2 , 2.2BV4 , 3BV4.pdf
420	kW Rating: 4.00; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D112M	Datasheet-491.pdf	4BE2 , 4BE4.pdf 4BF2 , 4BF4.pdf 4BV2 , 4BV4.pdf
421	kW Rating: 4.00; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D112M	Datasheet-498.pdf	4BE2 , 4BE4.pdf 4BF2 , 4BF4.pdf 4BV2 , 4BV4.pdf
422	kW Rating: 7.50; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D132M	Datasheet-493.pdf	5.5BE2-7.5BE2-5.5BE4. pdf
423	kW Rating: 7.50; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D132M	Datasheet-500.pdf	7.5BE4.pdf 7.5BF4.pdf 7.5BV4.pdf

424	kW Rating: 5.50; Voltage: 240; Phases: 1; No. of Poles: 2; Frame Size: D132S	Datasheet-492.pdf	5.5BE2 , 7.5BE2 , 5.5BE4.pdf 5.5BF2 , 7.5BF2 , 5.5BF4.pdf 5.5BV2 , 7.5BV2 , 5.5BV4.pdf
425	kW Rating: 5.50; Voltage: 240; Phases: 1; No. of Poles: 4; Frame Size: D132S	Datasheet-499.pdf	5.5BE2 , 7.5BE2 , 5.5BE4.pdf 5.5BF2 , 7.5BF2 , 5.5BF4.pdf 5.5BV2 , 7.5BV2 , 5.5BV4.pdf

CAD downloads: CADdrawings-495.zip · CADdrawings-494.zip · CADdrawings-497.zip · CADdrawings-498.zip · CADdrawings-500.zip · CADdrawings-499.zip

All 13 3D-drawing fields are available upon request . These are availability notices, not downloaded models. No software download is listed on this product page.

Built around your application

Tell us about your load's starting and running torque, operating duty, available supply and mounting requirements. Our CSR motors use a start capacitor for starting torque and a run capacitor during operation. The catalogue describes high starting torque with good running performance; the exact current, torque, speed, efficiency and power factor remain specific to the selected motor.

Our catalogue describes continuous operation at nameplate current , an ambient range of –10 to 40°C , and operation below 1,000 m altitude , with derating required above those conditions. Its standard specification gives a non-hazardous environment, maximum 90% relative humidity, and belt or direct drive. It lists IEC 34 and AS1359/1360 references; our product page names IEC60034 and AS1359. These source statements are not a current certificate of approval.

The cast-iron frame and endshields, cooling fins, bidirectional polypropylene fan, double-shielded pre-packed bearings and dynamically balanced die-cast aluminium rotor support dependable operation. The catalogue describes a centrifugal switch, copper random-wound stator, phenolic-base primer and synthetic enamel finish. For frames 90–132, its standard specification lists a grey Munsell N5.0-SG finish and stainless-steel nameplate. The terminal box is shown on the right viewed from the drive shaft end, with a left-side option. Confirm any modification with us.

We offer foot, flange and combined mounting options. Use each mounting's own dimensions and tolerances; do not transfer a foot dimension to a flange version. The outlines are marked typical dimensions only —contact us for certified dimensions before final installation. The catalogue states millimetres, while the individual outline sheets do not explicitly state general dimensional units. Their values remain as printed. Synchronous speed and full-load speed are separately identified.

For rotation changes and terminal connections, use the original diagrams and the instructions for your motor. The catalogue separates motors up to 1.1 kW with thermal protection from 1.5 kW and above without thermal protection in its wiring diagrams. Its spare-parts schedule nevertheless lists thermal-overload part codes for the 1.5 kW rows. Ask us to confirm the fitted protection and wiring; do not infer it from a spare-parts entry alone.

Details to confirm with our team

We retain the source-specific information below wherever our published documents differ. Please confirm the applicable edition and configuration with us before selecting replacement components or fixing installation dimensions.

7.5 kW two-pole frame: the website and Datasheet-493 state D132M , while the catalogue and associated foot drawing state 132S/D132S . The drawing covers 5.5/7.5 kW two-pole and 5.5 kW four-pole ratings. Do not substitute the 7.5 kW four-pole D132M outline.

Voltage listings: the website's selection rows all show 240 V; 12 datasheets show 240/480 V. Only the 1.1 kW four-pole datasheet is 240 V alone. Preserve each supply/current pair.

Start capacitor: the 1.5 kW two-pole performance table gives 125 μ F / 250 Vac ; the spare-parts table gives 150uf 250V AC .

Run capacitor voltage: for 7.5 kW two-pole, the performance table gives 100 μ F / 440 Vac , while the spare-parts table prints 100uf 110V AC . Confirm the correct replacement; neither entry has been silently changed.

Drive-end bearing: the 4 kW four-pole spare-parts row prints 6206 ZZ ; its datasheet and 112M dimensional tables give 6306 ZZ .

Capacitor assemblies: the 5.5/7.5 kW four-pole spare-parts rows specify 145–174uf / 189–226uf, 330V ACx4 , while the performance table lists 560/720 μ F . Ranges and x2/x4 quantities remain literal; they are not a recommendation to sum values or substitute a wiring arrangement.

7.5 kW four-pole foot drawing: 7.5BE4 prints 170 for axial mounting-hole centres and 546 for overall length. Its printed chain 80 + 89 + 170 + 199 totals 538. The separate foot-and-flange drawing prints 178 for the hole centres. We retain the mounting-specific values and flag the unresolved chain.

Flange tolerances: the catalogue gives N = js6 , while the individual flange pilot callouts use h7 . Its shaft-fit statement is D <28-j6, 38k6 , leaving exactly 28 outside that printed rule; the 100L and 112M individual drawings explicitly show Ø28 j6. Keep the selected source's fit.

Insulation, cooling and limits: Class H/F materials are not a Class H motor rating; the catalogue specifies Class F and the datasheets leave the insulation field blank. The catalogue prints IC0141 versus IC411 on the product page. It also separates $\pm 10\%$ supply tolerance from $\pm 5\%$ for rated performance, and a 105°C Class F rise statement from a performance rise not exceeding 90°C by resistance method.

Document labels: the 90L flange file is named "2.2BV2 , 1.5VB4.pdf", but its title block says 1.5BV4 . The catalogue's 90–132 parts legend labels both items 5 and 10 "Endshield N-End"; the wording is preserved.

Selection / sheet	Field	Datasheet	Catalogue
2.2 kW / 2P · Datasheet-489.pdf	Full-load current at 480 V	6.55 A	6.6 A
7.5 kW / 2P · Datasheet-493.pdf	Frame designation	D132M	132S

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. The 6.55/6.6 A difference may reflect rounding; neither figure is substituted.

BECY catalogue specifications

Our single-phase catalogue covers several families. Below we retain shared operating and construction context, the BECY performance and spare-parts rows, and the cast-iron mounting schedules—including flange-only tables labelled BEDY. BEGY steel-frame and B56-only tables are excluded from this product guide. Every catalogue page remains linked to its original edition.

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

Catalogue range and navigation

Catalogue page 2

Catalogue context / Range

Property	Value	Unit
BECY	Single Phase Motor, Type CSR; Series BECY; Frame size 90–132; Output 1.1–7.5kW.	

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 BECY specifications. Use the selected BECY 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 BECY specifications. Use the selected BECY 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 BECY specifications. Use the selected BECY 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 BECY specifications. Use the selected BECY 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 90–132

Property	Value	Unit
1	Fan Cover	part label
2	Fan	part label
3	Centrifugal Switch	part label
4	Centr. Switch Cover	part label
5	Endshield N-End	part label
6	Stator Frame	part label
7	Eye Bolt (100-132)	part label
8	Stator	part label
9	Rotor	part label

10	Endshield N-End	part label
11	Bearing	part label
12	Shaft	part label
13	Terminal Box	part label

BECY 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 (V _{ac})	Run capacitor (μF)	Run capacitor rated voltage (V _{ac})
2	1.5	90S	2910	77.5	0.89	9	4.5	7	7	4.9	2.3	2.6	125	250	15	440
2	2.2	90L	2895	77.9	0.92	13.1	6.6	6.7	6.7	7.3	2.1	2.5	150	250	20	440
2	3	100L	2875	75.6	0.92	18	9	5.9	5.9	10	2.5	2.3	250	250	30	440
2	4	112M	2900	74.6	0.93	25	12.5	5.5	5.5	13.1	1.6	2.2	300	250	30	440
2	5.5	132S	2930	79.2	0.96	30	15	8	8	18	2.8	2.6	560	330	60	440
2	7.5	132S	2930	81.2	0.99	40	20	6.8	6.8	24.5	2.4	2.3	720	330	100	440
4	1.1	90S	1445	69.6	0.76	8.8	—	5.1	—	7.3	2.2	2.2	125	250	15	440
4	1.5	90L	1450	72.8	0.82	10.4	5.2	5.8	5.8	9.9	2.4	2.2	150	250	15	440
4	2.2	100L	1455	76.4	0.92	13.3	6.7	5.7	5.7	14.4	1.8	2.2	200	250	25	440

4	3	100 L	144 5	76.7	0.93	17.5	8.8	6	6	19.8	2.1	2.2	250	250	30	440
4	4	112 M	144 0	79	0.87	25	12.5	5.4	5.4	26.5	1.9	2.1	300	250	30	440
4	5.5	132 S	146 5	80.5	0.88	33	16.5	5.9	5.9	36	2.5	2.2	560	330	60	440
4	7.5	132 M	145 5	80.5	0.92	42	21	5.3	5.3	49	2.1	1.8	720	330	100	440

Source conditions: Tolerances according to IEC 34-1 and AS 1359.60. Efficiency — $15(1-\eta)\%$ when $P2 \leq 50\text{kW}$. Power factor $\cos\phi$ — $(1-\cos\phi)/6$, minimum 0.02, maximum 0.07. Torque $T_N = (9550 \times \text{kW})/\text{RPM Nm}$. Data subject to change without notice.

Catalogue context

Property	Value	Unit
Definitions and conversions	1kW = 1.34HP; 1HP = 0.746kW; 1Nm = 0.102kgmf. Ist/IN = Starting Current/Nominal F.L. Current; Tst/TN = Starting Torque/Nominal F.L. Torque; Tb/TN = Break down Torque/Nominal F.L. Torque.	

Foot mounting IM1001

Catalogue page 8

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 (mm)	A (mm)	A (mm)	A (mm)	A (mm)	B (mm)	B (mm)	B (mm)	C (mm)	H (mm)	H (mm)	H (mm)	H (mm)	H (mm)	K (mm)	K (mm)
B E C	90 S	1.5	1.1	2	140	35.5	170	200	170	128	100		130	56	90	10	190		17	10	22

Y																					
B E C Y	90 L	2. 2	1. 5	2	14 0	35 .5	17 0	20 0	17 0	12 8	12 5		15 0	56	90	10	19 0		17	10	22
B E C Y	10 OL	3. 0	2. 2	3	16 0	45	19 5	21 9	18 0	13 8	14 0		17 5	63	10 0	12 .5		24 3	27	12	22
B E C Y	10 OL		3. 0	3	16 0	45	19 5	21 9	18 0	13 8	14 0		17 5	63	10 0	12 .5		24 3	27	12	22
B E C Y	11 2 M	4. 0	4. 0	3	19 0	45	22 4	23 8	23 6	14 7	14 0		17 5	70	11 2	14		26 5	39	12	22
B E C Y	13 2S	5. 5	5. 5	4	21 6	45	25 0	27 3	29 4	19 2	14 0		17 5	89	13 2	16		31 0	54	12	22
B E C Y	13 2S	7. 5		4	21 6	45	25 0	27 3	29 4	19 2	14 0		17 5	89	13 2	16		31 0	54	12	22
B E C Y	13 2 M		7. 5	4	21 6	45	25 0	27 3	29 4	19 2	17 0		21 2	89	13 2	16		31 0	54	12	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 CY	90 S	1.5	1.1	2	36 7	16 1			24	50	32	8	20	27	62 05 ZZ	62 05 ZZ	24. 5	23
BE CY	90 L	2.2	1.5	2	39 2	16 1			24	50	32	8	20	27	62 05 ZZ	62 05 ZZ	31	26. 8

BE CY	10 OL	3.0	2.2	3	43 1	16 8			28	60	40	8	24	31	62 06 ZZ	63 05 ZZ	35	36
BE CY	10 OL		3.0	3	43 1	16 8			28	60	40	8	24	31	62 06 ZZ	63 05 ZZ		39
BE CY	11 2M	4.0	4.0	3	44 9	17 9			28	60	40	8	24	31	63 06 ZZ	63 06 ZZ	43. 2	47. 4
BE CY	13 2S	5.5	5.5	4	50 8	19 9			38	80	56	10	33	41	63 08 ZZ	63 06 ZZ	77	75
BE CY	13 2S	7.5		4	50 8	19 9			38	80	56	10	33	41	63 08 ZZ	63 06 ZZ	80	
BE CY	13 2M		7.5	4	54 6	19 9			38	80	56	10	33	41	63 08 ZZ	63 06 ZZ		81

Flange mounting IM3001 — BEDY 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 refe ren ce)	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)
BE DY	90S	1.5	1.1	2	170	128			22	406	12	356	165	130	200	12	3.5
BE DY	90L	2.2	1.5	2	170	128			22	431	12	381	165	130	200	12	3.5
BE DY	100 L	3.0	2.2	3	180	138	280		22	431	16	371	215	180	250	15	4
BE DY	100 L		3.0	3	180	138	280		22	431	16	371	215	180	250	15	4

BEDY	112M	4.0	4.0	3	236	147	300		22	489	16	429	215	180	250	15	4
BEDY	132S	5.5	5.5	3	294	192	336		22	508	20	428	265	230	300	15	4
BEDY	132S	7.5		3	294	192	336		22	508	20	428	265	230	300	15	4
BEDY	132M		7.5	3	294	192	336		22	546	20	466	265	230	300	15	4

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
BEDY	90S	1.5	1.1	2	24	50	32	8	20	27	6205 ZZ	6205 ZZ
BEDY	90L	2.2	1.5	2	24	50	32	8	20	27	6205 ZZ	6205 ZZ
BEDY	100L	3.0	2.2	3	28	60	40	8	24	31	6206 ZZ	6305 ZZ
BEDY	100L		3.0	3	28	60	40	8	24	31	6206 ZZ	6305 ZZ
BEDY	112M	4.0	4.0	3	28	60	40	8	24	31	6306 ZZ	6306 ZZ
BEDY	132S	5.5	5.5	3	38	80	56	10	33	41	6308 ZZ	6306 ZZ
BEDY	132S	7.5		3	38	80	56	10	33	41	6308 ZZ	6306 ZZ
BEDY	132M		7.5	3	38	80	56	10	33	41	6308 ZZ	6306 ZZ

IM3001 tolerance

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

N	js6	
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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 ut pu t 2 P (k W)	O ut pu 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 C Y	90 S	1. 5	1. 1	2	14 0	35 .5	17 0	17 0	12 8	10 0		13 0	95	90	10			17	10	22	40 6	12	35 6
B E C Y	90 L	2. 2	1. 5	2	14 0	35 .5	17 0	17 0	12 8	12 5		15 0	95	90	10			17	10	22	43 1	12	38 1
B E C Y	10 OL	3. 0	2. 2	3	16 0	45	19 5	18 0	13 8	14 0		17 5	10 3	10 0	12 .5		24 3	27	12	22	47 1	16	41 1
B E C Y	10 OL		3. 0	3	16 0	45	19 5	18 0	13 8	14 0		17 5	10 3	10 0	12 .5		24 3	27	12	22	47 1	16	41 1
B E C	11 2 M	4. 0	4. 0	3	19 0	45	22 4	23 6	14 7	14 0		17 5	11 0	11 2	14		26 5	39	12	22	48 9	16	42 9

Y																							
B E C Y	13 2 S	5. 5	5. 5	4	21 6	45	25 0	29 4	19 2	14 0		17 5	13 9	13 2	16		31 0	54	12	22	55 8	20	47 8
B E C Y	13 2 S	7. 5		4	21 6	45	25 0	29 4	19 2	14 0		17 5	13 9	13 2	16		31 0	54	12	22	55 8	20	47 8
B E C Y	13 2 M		7. 5	4	21 6	45	25 0	29 4	19 2	17 8		21 2	13 9	13 2	16		31 0	54	12	22	59 6	20	51 6

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 nc e)	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 ar ing D- EN D	Be ar ing ND -E ND
BE CY	90 S	1.5	1.1	2		16 5	13 0	20 0	12	3.5		24	50	32	8	20	27	62 05 ZZ	62 05 ZZ
BE CY	90 L	2.2	1.5	2		16 5	13 0	20 0	12	3.5		24	50	32	8	20	27	62 05 ZZ	62 05 ZZ
BE CY	10 OL	3.0	2.2	3		21 5	18 0	25 0	15	4		28	60	40	8	24	31	62 06 ZZ	63 05 ZZ
BE CY	10 OL		3.0	3		21 5	18 0	25 0	15	4		28	60	40	8	24	31	62 06 ZZ	63 05 ZZ
BE CY	11 2M	4.0	4.0	3		21 5	18 0	25 0	15	4		28	60	40	8	24	31	63 06 ZZ	63 06 ZZ
BE CY	13 2S	5.5	5.5	4		26 5	23 0	30 0	15	4		38	80	56	10	33	41	63 08 ZZ	63 06 ZZ
BE CY	13 2S	7.5		4		26 5	23 0	30 0	15	4		38	80	56	10	33	41	63 08 ZZ	63 06 ZZ

BE CY	13 2M		7.5	4		26 5	23 0	30 0	15	4		38	80	56	10	33	41	63 08 ZZ	63 06 ZZ
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Drawing callout

Property	Value	Unit
Figure 4	2 × M12	printed callout

BECY 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
BECYBS	1.1	4	TS2RB45 24	125uf 250V AC	15uf 440V AC	MEJ 20RB	6205 ZZ	6205 ZZ
BECYBS	1.5	2	TS2RB25 24	150uf 250V AC	15uf 440V AC	MEJ 22AB	6205 ZZ	6205 ZZ
BECYBS	1.5	4	TS2RB45 24	150uf 250V AC	15uf 440V AC	MEJ 22AB	6205 ZZ	6205 ZZ
BECYBS	2.2	2	TS2RB25 24	150uf 250V AC	20uf 440V AC	—	6205 ZZ	6205 ZZ
BECYBS	2.2	4	TS2RB45 24	200uf 250V AC	25uf 440V AC	—	6206 ZZ	6305 ZZ
BECYBS	3	2	TS2RB25 24	250uf 250V AC	15uf 440V ACx2	—	6206 ZZ	6305 ZZ
BECYBS	3	4	TS2RB45 24	250uf 250V AC	15uf 440V ACx2	—	6206 ZZ	6305 ZZ
BECYBS	4	2	TS2RB25 24	150uf 250V ACx2	15uf 440V ACx2	—	6306 ZZ	6306 ZZ

BECYBS	4	4	TS2RB45 24	150uf 250V ACx2	15uf 440V ACx2	—	6206 ZZ	6306 ZZ
BECYBS	5.5	4	TS3RB45 24	145-174u f 330V ACx4	15uf 440V ACx4	—	6308 ZZ	6306 ZZ
BECYBS	7.5	4	TS3RB45 24	189-226u f 330V ACx4	25uf 440V ACx4	—	6308 ZZ	6306 ZZ
BECYBS	5.5	2	TS3RB25 24	560uf 330V AC	60uf 440V AC	—	6308 ZZ	6306 ZZ
BECYBS	7.5	2	TS3RB25 24	720uf 330V AC	100uf 110V AC	—	6308 ZZ	6306 ZZ

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

Individual datasheets and drawings

Each source retains its own ratings, dimensions, units, missing-value statements and qualifications. Blank or dash entries are not zero. Original drawings remain available for geometry, wiring and graphical information not captured in the tables. Dates and historical standards remain attached to the source edition.

2.2BE2 , 1.5BE4.pdf

Associated selection rows: 413 , 414

PDFdrawings-495.zip > 90L FRAME/2.2BE2 , 1.5BE4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D90L	as printed	—
Identity / drawing_number	2.2BE2 / 1.5BE4	as printed	—

Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	392	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	50	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	32	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	128	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø24 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M8 TAP DEEP 12	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	190	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	90 +0/-0.5	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Transverse mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	125	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	150	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	161	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	35.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	17	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø10 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	200	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—

Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 2.2BE2 , 1.5BE4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	2.2 kW	3 HP	3000 rpm (synchronous)	C1
2	4 poles	1.5 kW	2 HP	1500 rpm (synchronous)	C1

2.2BF2 , 1.5BF4.pdf

Associated selection rows: 413 , 414

PDFdrawings-495.zip > 90L FRAME/2.2BF2 , 1.5BF4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D90L	as printed	—
Identity / drawing_number	2.2BF2 / 1.5BF4	as printed	—

Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	431	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	381	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	50	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	32	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	128	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø24 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M8 TAP DEEP 12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø200	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange pilot diameter and fit	Ø130 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø165	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	3.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt holes	4-Ø12 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Shaft height and tolerance	90 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	125	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	150	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to nearer foot-hole centre	95	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	35.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	17	drawing units; not explicitly stated on this sheet	C1

Drawing / Foot mounting holes	4-Ø10 Holes	drawing units; not explicitly stated on this sheet	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 2.2BF2 , 1.5BF4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	2.2 kW	3 HP	3000 rpm (synchronous)	C1
2	4 poles	1.5 kW	2 HP	1500 rpm (synchronous)	C1

2.2BV2 , 1.5VB4.pdf

Associated selection rows: 413 , 414

PDFdrawings-495.zip > 90L FRAME/2.2BV2 , 1.5VB4.pdf .

Source differences and limitations

Filename lists 1.5VB4; title block lists 1.5BV4. Printed title identity retained; original filename unchanged.

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D90L	as printed	—
Identity / drawing_number	2.2BV2 / 1.5BV4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	431	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	381	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	50	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	32	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	128	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft diameter and fit	Ø24 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M8 TAP DEEP 12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø200	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø130 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø165	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	3.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt holes	4-Ø12 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	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	—

Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 2.2BV2 , 1.5VB4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	2.2 kW	3 HP	3000 rpm (synchronous)	C1
2	4 poles	1.5 kW	2 HP	1500 rpm (synchronous)	C1

Datasheet-495.pdf

Associated selection rows: 413

Datasheet-495.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 413. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	1.5		—
VOLTAGE	240/480	(V)	—
PHASES	1		—

FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D90L		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1450	(rpm)	—
CURRENT / FULL LOAD	10.4 / 5.2	(Amps)	—
CURRENT / LOCKED ROTOR	580	%	—
TORQUE / FULL LOAD TORQUE	9.9	(Nm)	—
TORQUE / STARTING TORQUE	240	%	—
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	72.8	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	82	%	—
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	44		—
WEIGHT OF MOTOR	26.8	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—

BEARINGS / NON DRIVE END	6205 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-489.pdf

Associated selection rows: 414

Datasheet-489.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 414. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	2.2		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D90L		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2895	(rpm)	—
CURRENT / FULL LOAD	13.1 / 6.55	(Amps)	—
CURRENT / LOCKED ROTOR	670	%	—
TORQUE / FULL LOAD TORQUE	7.3	(Nm)	—

TORQUE / STARTING TORQUE	210	%	—
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	77.9	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	92	%	—
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	44		—
WEIGHT OF MOTOR	31	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6205 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)		—

1.5BE2 , 1.1BE4.pdf

Associated selection rows: 415 , 416

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D90S	as printed	—
Identity / drawing_number	1.5BE2 / 1.1BE4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	367	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	50	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	32	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	128	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø24 j6	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M8 TAP DEEP 12	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	190	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	90 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	100	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	130	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	161	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	35.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	10	drawing units; not explicitly stated on this sheet	C1

Drawing / Lower terminal enclosure height above mounting plane	17	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø10 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	200	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 1.5BE2 , 1.1BE4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	1.5 kW	2 HP	3000 rpm (synchronous)	C1
2	4 poles	1.1 kW	1.5 HP	1500 rpm (synchronous)	C1

1.5BF2 , 1.1BF4.pdf

Associated selection rows: 415 , 416

PDFdrawings-494.zip > 90S FRAME/1.5BF2 , 1.1BF4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D90S	as printed	—
Identity / drawing_number	1.5BF2 / 1.1BF4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	406	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	356	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	50	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	32	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	128	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Shaft diameter and fit	Ø24 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M8 TAP DEEP 12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø200	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø130 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø165	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	3.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt holes	4-Ø12 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Shaft height and tolerance	90 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	170	drawing units; not explicitly stated on this sheet	C1

Drawing / Axial mounting-hole centres	100	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	130	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to nearer foot-hole centre	95	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	35.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	17	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø10 Holes	drawing units; not explicitly stated on this sheet	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	1.5 kW	2 HP	3000 rpm (synchronous)	C1
2	4 poles	1.1 kW	1.5 HP	1500 rpm (synchronous)	C1

1.5BV2 , 1.1BV4.pdf

Associated selection rows: 415 , 416

PDFdrawings-494.zip > 90S FRAME/1.5BV2 , 1.1BV4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D90S	as printed	—
Identity / drawing_number	1.5BV2 / 1.1BV4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	406	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	356	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft extension	50	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	32	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	128	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø24 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M8 TAP DEEP 12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø200	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø130 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø165	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	12	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	3.5	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange bolt holes	4-Ø12 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 1.5BV2 , 1.1BV4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	1.5 kW	2 HP	3000 rpm (synchronous)	C1
2	4 poles	1.1 kW	1.5 HP	1500 rpm (synchronous)	C1

Datasheet-494.pdf

Associated selection rows: 415

Datasheet-494.pdf .

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	1.1		—
VOLTAGE	240	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D90S		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1445	(rpm)	—
CURRENT / FULL LOAD	8.8	(Amps)	—
CURRENT / LOCKED ROTOR	510	%	—
TORQUE / FULL LOAD TORQUE	7.3	(Nm)	—
TORQUE / STARTING TORQUE	220	%	—
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	69.6	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	76	%	—
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	44		—
WEIGHT OF MOTOR	23	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6205 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-488.pdf

Associated selection rows: 416

Datasheet-488.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 416. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	1.5		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D90S		—
SPEED / SYNCHRONOUS	3000	(rpm)	—

SPEED / FULL LOAD	2910	(rpm)	—
CURRENT / FULL LOAD	9 / 4.5	(Amps)	—
CURRENT / LOCKED ROTOR	700	%	—
TORQUE / FULL LOAD TORQUE	4.9	(Nm)	—
TORQUE / STARTING TORQUE	230	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	260	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	77.5	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	89	%	—
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	44		—
WEIGHT OF MOTOR	24.5	kgs	—
BEARINGS / DRIVE END	6205 ZZ		—
BEARINGS / NON DRIVE END	6205 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)		—

3BE2 , 2.2BE4 , 3BE4.pdf

Associated selection rows: 417 , 418 , 419

PDFdrawings-497.zip > 100L FRAME/3BE2 , 2.2BE4 , 3BE4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D100L	as printed	—
Identity / drawing_number	2.2BE4 / 3BE2 / 3BE4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	431	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	60	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	40	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	180	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft-centre to cable-entry axis	138	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø28 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	31	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M10 TAP DEEP 15	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	243	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	100 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	160	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	195	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	63	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	168	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	12.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	219	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 3BE2 , 2.2BE4 , 3BE4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	3 kW	4 HP	3000 rpm (synchronous)	C1
2	4 poles	2.2/3 kW	3/4 HP	1500 rpm (synchronous)	C1

3BF2 , 2.2BF4 , 3BF4.pdf

Associated selection rows: 417 , 418 , 419

PDFdrawings-497.zip > 100L FRAME/3BF2 , 2.2BF4 , 3BF4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D100L	as printed	—
Identity / drawing_number	2.2BF4 / 3BF2 / 3BF4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	471	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	411	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	60	drawing units; not explicitly stated on this sheet	C1

Drawing / Key length callout	40	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	180	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	138	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø28 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	31	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M10 TAP DEEP 15	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø250	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø180 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø215	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn	243	drawing units; not explicitly stated on this sheet	C2

projection			
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Shaft height and tolerance	100 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	160	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	195	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to nearer foot-hole centre	103	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	12.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	27	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	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	—

Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 3BF2 , 2.2BF4 , 3BF4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	3 kW	4 HP	3000 rpm (synchronous)	C1
2	4 poles	2.2/3 kW	3/4 HP	1500 rpm (synchronous)	C1

3BV2 , 2.2BV4 , 3BV4.pdf

Associated selection rows: 417 , 418 , 419

PDFdrawings-497.zip > 100L FRAME/3BV2 , 2.2BV4 , 3BV4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—

Identity / frame	D100L	as printed	—
Identity / drawing_number	3BV2 / 2.2BV4 / 3BV4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	431	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	371	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	60	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	40	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	180	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	138	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø28 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	31	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M10 TAP DEEP 15	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange outer diameter	Ø250	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø180 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø215	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Side-view vertical envelope including projections	280	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	3 kW	4 HP	3000 rpm (synchronous)	C1
2	4 poles	2.2/3 kW	3/4 HP	1500 rpm (synchronous)	C1

Datasheet-496.pdf

Associated selection rows: 417

Datasheet-496.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 417. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	2.2		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D100L		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1455	(rpm)	—
CURRENT / FULL LOAD	13.3 / 6.7	(Amps)	—
CURRENT / LOCKED ROTOR	570	%	—
TORQUE / FULL LOAD TORQUE	14.4	(Nm)	—

TORQUE / STARTING TORQUE	180	%	—
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	76.4	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	92	%	—
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	44		—
WEIGHT OF MOTOR	36	kgs	—
BEARINGS / DRIVE END	6206 ZZ		—
BEARINGS / NON DRIVE END	6305 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-490.pdf

Associated selection rows: 418

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 418.
Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	3		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D100L		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2875	(rpm)	—
CURRENT / FULL LOAD	18.0 / 9	(Amps)	—
CURRENT / LOCKED ROTOR	590	%	—
TORQUE / FULL LOAD TORQUE	10	(Nm)	—
TORQUE / STARTING TORQUE	250	%	—
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	75.6	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—

EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	92	%	—
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	44		—
WEIGHT OF MOTOR	35	kgs	—
BEARINGS / DRIVE END	6206 ZZ		—
BEARINGS / NON DRIVE END	6305 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-497.pdf

Associated selection rows: 419

Datasheet-497.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 419. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	3		—

VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D100L		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1445	(rpm)	—
CURRENT / FULL LOAD	17.5 / 8.8	(Amps)	—
CURRENT / LOCKED ROTOR	600	%	—
TORQUE / FULL LOAD TORQUE	19.8	(Nm)	—
TORQUE / STARTING TORQUE	210	%	—
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	76.7	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	93	%	—
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	44		—
WEIGHT OF MOTOR	39	kgs	—

BEARINGS / DRIVE END	6206 ZZ		—
BEARINGS / NON DRIVE END	6305 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)		—

4BE2 , 4BE4.pdf

Associated selection rows: 420 , 421

PDFdrawings-498.zip > 112M FRAME/4BE2 , 4BE4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D112M	as printed	—
Identity / drawing_number	4BE2 / 4BE4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	449	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft extension	60	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	40	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	236	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	147	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø28 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	31	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M10 TAP DEEP 15	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	265	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	112 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	190	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	224	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	70	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	179	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	14	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	39	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	238	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as	as printed	—

	alternatives, not numeric ranges.		
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Electrical ratings as printed — P048, 4BE2 , 4BE4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	4 kW	5.5 HP	3000 rpm (synchronous)	C1
2	4 poles	4 kW	5.5 HP	1500 rpm (synchronous)	C1

4BF2 , 4BF4.pdf

Associated selection rows: 420 , 421

PDFdrawings-498.zip > 112M FRAME/4BF2 , 4BF4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D112M	as printed	—
Identity / drawing_number	4BF2 / 4BF4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—

Drawing / Overall axial length	489	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	429	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	60	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	40	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	236	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	147	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø28 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	31	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M10 TAP DEEP 15	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø250	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø180 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø215	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange thickness	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	265	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Shaft height and tolerance	112 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	190	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	224	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to nearer foot-hole centre	110	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	14	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	39	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 4BF2 , 4BF4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	4 kW	5.5 HP	3000 rpm (synchronous)	C1
2	4 poles	4 kW	5.5 HP	1500 rpm (synchronous)	C1

4BV2 , 4BV4.pdf

Associated selection rows: 420 , 421

PDFdrawings-498.zip > 112M FRAME/4BV2 , 4BV4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D112M	as printed	—
Identity / drawing_number	4BV2 / 4BV4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	489	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	429	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	60	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	40	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	236	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	147	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø28 j6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	8	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft-and-key top height	31	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	24	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M10 TAP DEEP 15	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø250	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø180 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø215	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Side-view vertical envelope including projections	300	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—

Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—
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Electrical ratings as printed — P048, 4BV2 , 4BV4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	4 kW	5.5 HP	3000 rpm (synchronous)	C1
2	4 poles	4 kW	5.5 HP	1500 rpm (synchronous)	C1

Datasheet-491.pdf

Associated selection rows: 420

Datasheet-491.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 420. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	4		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D112M		—

SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2900	(rpm)	—
CURRENT / FULL LOAD	25 / 12.5	(Amps)	—
CURRENT / LOCKED ROTOR	550	%	—
TORQUE / FULL LOAD TORQUE	13.1	(Nm)	—
TORQUE / STARTING TORQUE	160	%	—
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	74.6	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	93	%	—
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	44		—
WEIGHT OF MOTOR	43.2	kgs	—
BEARINGS / DRIVE END	6306ZZ		—
BEARINGS / NON DRIVE END	6306 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)		—

TECO Single Phase Cast Iron Frame – BECY — technical configurations, part 2 of 2

Product: P048. Product page:

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

Datasheet-498.pdf

Associated selection rows: 421

Datasheet-498.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 421.

Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	4		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D112M		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1440	(rpm)	—
CURRENT / FULL LOAD	25 / 12.5	(Amps)	—
CURRENT / LOCKED ROTOR	540	%	—
TORQUE / FULL LOAD TORQUE	26.5	(Nm)	—

TORQUE / STARTING TORQUE	190	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	210	%	—
ROTOR INERTIA (J = GD ² /4)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	79	%	—
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	44		—
WEIGHT OF MOTOR	47.4	kgs	—
BEARINGS / DRIVE END	6306ZZ		—
BEARINGS / NON DRIVE END	6306 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)		—

5.5BE2-7.5BE2-5.5BE4.pdf

Associated selection rows: 422

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D132S	as printed	—
Identity / drawing_number	5.5BE2 / 7.5BE2 / 5.5BE4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	508	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	310	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	132 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	216	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	250	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	89	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	199	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	16	drawing units; not explicitly stated on this sheet	C1

Drawing / Lower terminal enclosure height above mounting plane	54	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	273	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—
Drawing note / 6	Another collected PDF has the same visible BECY D132S BE ratings and selected dimensions but a different file identity. Both sources are retained; no hash-based identity is inferred from visual similarity.	as printed	—

Electrical ratings as printed — P048, 5.5BE2-7.5BE2-5.5BE4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to

TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	5.5/7.5 kW	7.5/10 HP	3000 rpm (synchronous)	C1
2	4 poles	5.5 kW	7.5 HP	1500 rpm (synchronous)	C1

Datasheet-493.pdf

Associated selection rows: 422

Datasheet-493.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 422.
Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	7.5		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	2		—
FRAME	D132M		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2930	(rpm)	—
CURRENT / FULL LOAD	40 / 20	(Amps)	—
CURRENT / LOCKED ROTOR	680	%	—
TORQUE / FULL LOAD TORQUE	24.5	(Nm)	—
TORQUE / STARTING TORQUE	240	%	—

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	81.2	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	99	%	—
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	44		—
WEIGHT OF MOTOR	80	kgs	—
BEARINGS / DRIVE END	6308ZZ		—
BEARINGS / NON DRIVE END	6306 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)		—

7.5BE4.pdf

Associated selection rows: 423

PDFdrawings-500.zip > 132M FRAME/7.5BE4.pdf .

Source differences and limitations

7.5BE4 prints axial mounting-hole centres 170 and overall length 546. Its printed axial chain 80 + 89 + 170 + 199 totals 538, not 546; 7.5BF4 separately prints 178 for mounting-hole centres. All source values retained; no correction from another mounting inferred.

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D132M	as printed	—
Identity / drawing_number	7.5BE4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	546	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	310	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	132 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	216	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	250	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	170	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	212	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	89	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	199	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1

Drawing / Foot thickness callout	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	54	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	273	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—
Drawing note / 6	The first electrical-rating row is blank; no 2-pole rating is inferred from it.	as printed	—

Electrical ratings as printed — P048, 7.5BE4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	4 poles	7.5 kW	10 HP	1500 rpm (synchronous)	C1

7.5BF4.pdf

Associated selection rows: 423

PDFdrawings-500.zip > 132M FRAME/7.5BF4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D132M	as printed	—
Identity / drawing_number	7.5BF4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	596	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	516	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø28	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø300	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø230 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø265	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	310	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1

Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Additional flange tapped holes	2-M12 Tap	as printed	C1
Drawing / Shaft height and tolerance	132 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	216	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	250	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	178	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	212	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to nearer foot-hole centre	139	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	54	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	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	—

Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—
Drawing note / 6	The first electrical-rating row is blank; no 2-pole rating is inferred from it.	as printed	—

Electrical ratings as printed — P048, 7.5BF4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	4 poles	7.5 kW	10 HP	1500 rpm (synchronous)	C1

7.5BV4.pdf

Associated selection rows: 423

PDFdrawings-500.zip > 132M FRAME/7.5BV4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—

Identity / frame	D132M	as printed	—
Identity / drawing_number	7.5BV4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	546	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	466	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø28	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange outer diameter	Ø300	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø230 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø265	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Side-view vertical envelope including projections	336	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Additional flange tapped holes	2-M12 Tap	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Drawing note / 6	The first electrical-rating row is blank; no 2-pole rating is inferred from it.	as printed	—
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Electrical ratings as printed — P048, 7.5BV4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	4 poles	7.5 kW	10 HP	1500 rpm (synchronous)	C1

Datasheet-500.pdf

Associated selection rows: 423

Datasheet-500.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 423. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	7.5		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D132M		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1455	(rpm)	—
CURRENT / FULL LOAD	42 / 21	(Amps)	—

CURRENT / LOCKED ROTOR	530	%	—
TORQUE / FULL LOAD TORQUE	49	(Nm)	—
TORQUE / STARTING TORQUE	210	%	—
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	80.5	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	92	%	—
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	44		—
WEIGHT OF MOTOR	81	kgs	—
BEARINGS / DRIVE END	6308ZZ		—
BEARINGS / NON DRIVE END	6306 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)		—

5.5BE2 , 7.5BE2 , 5.5BE4.pdf

Associated selection rows: 424 , 425

PDFdrawings-499.zip > 132S FRAME/5.5BE2 , 7.5BE2 , 5.5BE4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D132S	as printed	—
Identity / drawing_number	5.5BE2 / 7.5BE2 / 5.5BE4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	508	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1

Drawing / Cable-entry diameter	Ø22	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	310	drawing units; not explicitly stated on this sheet	C2
Drawing / Shaft height and tolerance	132 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	216	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	250	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft shoulder to nearer foot-hole centre	89	drawing units; not explicitly stated on this sheet	C1
Drawing / Rear foot-hole centre to fan end	199	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this	C1

		sheet	
Drawing / Foot thickness callout	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	54	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	C1
Drawing / Front-view body width callout	273	drawing units; not explicitly stated on this sheet	C1
Drawing note / 1	FOOT MOUNTED IM1001.	as printed	—
Drawing note / 2	TYPICAL DIMENSIONS ONLY. FOR CERTIFIED DIMENSIONS REFER TO TECO.	as printed	—
Drawing note / 3	FOR BELT OR DIRECT DRIVE.	as printed	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—
Drawing note / 6	Another collected PDF has the same visible BECY D132S BE ratings and selected dimensions but a different file identity. Both sources are retained; no hash-based identity is inferred from visual similarity.	as printed	—

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	5.5/7.5 kW	7.5/10 HP	3000 rpm (synchronous)	C1
2	4 poles	5.5 kW	7.5 HP	1500 rpm (synchronous)	C1

5.5BF2 , 7.5BF2 , 5.5BF4.pdf

Associated selection rows: 424 , 425

PDFdrawings-499.zip > 132S FRAME/5.5BF2 , 7.5BF2 , 5.5BF4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D132S	as printed	—
Identity / drawing_number	5.5BF2 / 7.5BF2 / 5.5BF4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	558	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange face to fan end	478	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø28	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø300	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø230 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø265	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	20	drawing units; not explicitly stated on this sheet	C1

Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Height from foot mounting plane to topmost drawn projection	310	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Additional flange tapped holes	2-M12 Tap	as printed	C1
Drawing / Shaft height and tolerance	132 +0/-0.5	drawing units; not explicitly stated on this sheet	C1
Drawing / Transverse mounting-hole centres	216	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall width	250	drawing units; not explicitly stated on this sheet	C1
Drawing / Axial mounting-hole centres	140	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot overall axial length	175	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to nearer foot-hole centre	139	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot slot-group width callout	45	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot thickness callout	16	drawing units; not explicitly stated on this sheet	C1
Drawing / Lower terminal enclosure height above mounting plane	54	drawing units; not explicitly stated on this sheet	C1
Drawing / Foot mounting holes	4-Ø12 Holes	drawing units; not explicitly stated on this sheet	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	—
Drawing note / 4	Dimensional units are not explicitly stated on this sheet; values and tolerances are transcribed as printed.	as printed	—
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 5.5BF2 , 7.5BF2 , 5.5BF4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	5.5/7.5 kW	7.5/10 HP	3000 rpm (synchronous)	C1
2	4 poles	5.5 kW	7.5 HP	1500 rpm (synchronous)	C1

5.5BV2 , 7.5BV2 , 5.5BV4.pdf

Associated selection rows: 424 , 425

PDFdrawings-499.zip > 132S FRAME/5.5BV2 , 7.5BV2 , 5.5BV4.pdf .

Source page 1

Conditions for this section:

C1: Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

C2: Applies to the view and mounting printed on this source only. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Specification	Value	Unit / basis	Conditions
Identity / drawing_title	OUTLINE DIMENSIONS — 1-PHASE INDUCTION MOTOR	as printed	—
Identity / frame	D132S	as printed	—
Identity / drawing_number	5.5BV2 / 7.5BV2 / 5.5BV4	as printed	—
Identity / construction	Totally Enclosed Fan Cooled Capacitor-Start & Run Type; Squirrel-Cage Rotor	as printed	—
Identity / date_as_printed	01.10.09	as printed	—
Drawing / Overall axial length	508	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange face to fan end	428	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft extension	80	drawing units; not explicitly stated on this sheet	C1
Drawing / Key length callout	56	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to terminal enclosure outer edge	294	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-centre to cable-entry axis	192	drawing units; not explicitly stated on this sheet	C1
Drawing / Cable-entry diameter	Ø28	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft diameter and fit	Ø38 k6	drawing units; not explicitly stated on this sheet	C1
Drawing / Key width	10	drawing units; not explicitly stated on this sheet	C1

Drawing / Shaft-and-key top height	41	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft keyseat lower-height callout	33	drawing units; not explicitly stated on this sheet	C1
Drawing / Shaft-end thread and depth	M12 TAP DEEP 18	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange outer diameter	Ø300	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange pilot diameter and fit	Ø230 h7	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange bolt pitch-circle diameter	Ø265	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange thickness	20	drawing units; not explicitly stated on this sheet	C1
Drawing / Flange register projection	4	drawing units; not explicitly stated on this sheet	C1
Drawing / Side-view vertical envelope including projections	336	drawing units; not explicitly stated on this sheet	C2
Drawing / Flange bolt holes	4-Ø15 Holes	as printed	C1
Drawing / Flange hole angular offset	45	degrees	C1
Drawing / Additional flange tapped holes	2-M12 Tap	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	—
Drawing note / 4	Dimensional units are not explicitly stated on	as printed	—

	this sheet; values and tolerances are transcribed as printed.		
Drawing note / 5	SYNCH RPM is synchronous speed, not a measured full-load speed. Slash-separated ratings are retained as alternatives, not numeric ranges.	as printed	—

Electrical ratings as printed — P048, 5.5BV2 , 7.5BV2 , 5.5BV4.pdf, page 1

Conditions for this section:

C1: Each row belongs only to this exact drawing and mounting; slash-separated alternatives are retained as printed. Ratings and named mechanical dimensions apply only to this source configuration. Refer to the drawing for graphical shape and unnamed symbols. Typical dimensions only; refer to TECO for certified dimensions.

Configuration / printed row	POLES	kW	HP	SYNCH RPM	Conditions
1	2 poles	5.5/7.5 kW	7.5/10 HP	3000 rpm (synchronous)	C1
2	4 poles	5.5 kW	7.5 HP	1500 rpm (synchronous)	C1

Datasheet-492.pdf

Associated selection rows: 424

Datasheet-492.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 424. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	5.5		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—

NO OF POLES	2		—
FRAME	D132S		—
SPEED / SYNCHRONOUS	3000	(rpm)	—
SPEED / FULL LOAD	2930	(rpm)	—
CURRENT / FULL LOAD	30 / 15	(Amps)	—
CURRENT / LOCKED ROTOR	800	%	—
TORQUE / FULL LOAD TORQUE	18	(Nm)	—
TORQUE / STARTING TORQUE	280	%	—
TORQUE / MINIMUM TORQUE	Not stated (blank in source)	%	—
TORQUE / BREAKDOWN TORQUE	260	%	—
ROTOR INERTIA (J = $GD^2/4$)	Not stated (blank in source)	(Kgm ²)	—
EFFICIENCY / 100% LOAD	79.2	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	96	%	—
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	44		—
WEIGHT OF MOTOR	77	kgs	—
BEARINGS / DRIVE END	6308ZZ		—
BEARINGS / NON DRIVE END	6306 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-499.pdf

Associated selection rows: 425

Datasheet-499.pdf .

Source differences and limitations

Website/source difference — VOLTAGE: website 240; PDF page 1 240/480. Website row IDs: 425. Neither is automatically substituted for the other.

Source page 1

Specification	Value	Unit / basis	Conditions
MOTOR SERIES	TECO BECY SINGLE PHASE TEFC		—
START METHOD	DIRECT ONLINE		—
KW RATING	5.5		—
VOLTAGE	240/480	(V)	—
PHASES	1		—
FREQUENCY	50	(Hz)	—
NO OF POLES	4		—
FRAME	D132S		—
SPEED / SYNCHRONOUS	1500	(rpm)	—
SPEED / FULL LOAD	1465	(rpm)	—
CURRENT / FULL LOAD	33 / 16.5	(Amps)	—
CURRENT / LOCKED ROTOR	590	%	—
TORQUE / FULL LOAD TORQUE	36	(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	80.5	%	—
EFFICIENCY / 75% LOAD	Not stated (blank in source)	%	—
EFFICIENCY / 50% LOAD	Not stated (blank in source)	%	—
POWER FACTOR / 100% LOAD	88	%	—
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	44		—
WEIGHT OF MOTOR	75	kgs	—
BEARINGS / DRIVE END	6308ZZ		—
BEARINGS / NON DRIVE END	6306 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 BECY 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.