

Definite Purpose Series

Totally Enclosed Fan Cooled

EQP Global® Brake Motor

Toshiba's definite purpose, totally enclosed fan cooled, NEMA Premium® efficiency, Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry—leading to a longer life and greater reliability. The Brake Motor series is suitable for indoor and outdoor use.



Standard Features:

- Totally Enclosed Fan Cooled
- Holding Duty
- NEMA Premium® Efficiency
- 60 Hz: 230/460 or 575 V
- 50 Hz: 190/380 V
- Three-Phase
- Dual Frequency 50/ 60 Hz Design
- 1.15 Service Factor
- Class F Insulation; Inverter Duty, Exceeds NEMA MG1 Part 31
- IP55 Protection
- All Cast Iron Construction
- Multi-Mount Capabilities on Most Frames (See Appendix B)
- V-Ring Seal on Drive End
- Brake Ratings 15 lb. ft. and Below Suitable for Vertical Mounting
- See Appendix C for ASD Capabilities
- Non-NAFTA Qualified

Brake Options:

- Solenoid Actuated Spring-Set Brakes
- Multiple Options for Brake Voltages
- Manual Release Lever on Rear of Brake Housing
- Wear Adjustment
- Static Torque Ratings from 3 to 125 lb. ft.
- Spring-Kits for 210 Frame and Larger Vertical Mountings

Applications:

- Conveyors
- Gear Reducers
- Material Handling
- Baggage Handling
- Carousels & Palletizing
- Holding Applications
- Packaging
- Door Operators
- Machine Tool



ODP General Purpose
TEFC General Purpose
Explosion Proof
IEC
Definite Purpose
LV Mods. (Stock & Prod.)
MV General Purpose Open
MV Gen. Purp. Enclosed
MV Modifications

Totally Enclosed Fan Cooled EQP Global® Brake Motor NEMA Premium® Efficiency



3 THREE YEAR WARRANTY

Toshiba's definite purpose, totally enclosed fan cooled, NEMA Premium® efficiency, EQP Global Brake Motor series is designed to meet the needs of general holding applications. This product line is built to withstand the toughest conditions and offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry—leading to a longer life and greater reliability. The EQP Global Brake Motor series is suitable for indoor and outdoor use.

Product Scope:

- Horsepower:** 0.75 to 30 HP

- Speed**
- (60 Hz)** 1800 or 1200 RPM
- (50 Hz):** 1500 or 1000 RPM

- Volt**
- (60 Hz)** 230/460 or 575 V
- (50 Hz):** 190/380 V

- Enclosure:** Totally Enclosed Fan Cooled

- Frame Size:** 143T through 286T

- Construction:** All Cast Iron

- Insulation:** Class F Inverter Duty, Exceeds NEMA MG1 Part 31
(Voltage Withstand Capability of 2000 V in 0.1 μs)

- Brake Coil**
- Voltage:** Matches Motor Voltage

HP	Speed (RPM)	Volts	Frame	Brake (ft.-lbs.)	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol
0.75	1200	230/460	143T	6	66	3/46SDBA41A-P	2.8/1.4	80.0	1, 9, 15, 18	MTPBRK
0.75	1200	575	143T	6	66	3/46SDBC41A-P	.9	81.5	1, 15, 18	MTPBRK
1	1800	230/460	143T	6	66	0014SDBA41A-P	3.4/1.7	85.5	1, 9, 15, 18	MTPBRK
1	1800	575	143T	6	66	0014SDBC41A-P	1.2	85.5	1, 15, 18	MTPBRK
1	1200	230/460	145T	10	75	0016SDBA41A-P	3.6/1.8	82.5	1, 9, 15, 18	MTPBRK
1	1200	575	145T	10	75	0016SDBC41A-P	1.5	82.5	1, 15, 18	MTPBRK
1.5	1800	230/460	145T	10	70	Y154SDBA41A-P	4.8/2.4	86.5	1, 9, 15, 18	MTPBRK
1.5	1800	575	145T	10	70	Y154SDBC41A-P	1.9	86.5	1, 15, 18	MTPBRK
1.5	1200	230/460	182T	10	94	Y156SDBA41A-P	5.0/2.5	87.5	1, 9, 15, 18	MTPBRK
1.5	1200	575	182T	10	94	Y156SDBC41A-P	2.0	87.5	1, 15, 18	MTPBRK
2	1800	230/460	145T	10	74	0024SDBA41A-P	6.0/3.0	86.5	1, 9, 15, 18	MTPBRK
2	1800	575	145T	10	74	0024SDBC41A-P	2.4	86.5	1, 15, 18	MTPBRK
2	1200	230/460	184T	15	113	0026SDBA41A-P	6.8/3.4	88.5	1, 9, 15, 18	MTPBRK
2	1200	575	184T	15	113	0026SDBC41A-P	2.7	88.5	1, 15, 18	MTPBRK
3	1800	230/460	182T	15	110	0034SDBA41A-P	8.0/4.0	89.5	1, 9, 15, 18	MTPBRK
3	1800	575	182T	15	110	0034SDBC41A-P	3.2	89.5	1, 15, 18	MTPBRK
3	1200	230/460	213T	35	189	0036SDBA41A-P	8.8/4.4	89.5	1, 9, 18	MTPBRK
3	1200	575	213T	35	189	0036SDBC41A-P	3.5	89.5	1, 18	MTPBRK
5	1800	230/460	184T	25	115	0054SDBA41A-P	13.0/6.5	89.5	1, 9, 15, 18	MTPBRK
5	1800	575	184T	25	115	0054SDBC41A-P	5.1	89.5	1, 15, 18	MTPBRK
5	1200	230/460	215T	35	206	0056SDBA41A-P	13.8/6.9	89.5	1, 9, 18	MTPBRK
5	1200	575	215T	35	206	0056SDBC41A-P	5.5	89.5	1, 18	MTPBRK
7.5	1800	230/460	213T	35	217	Y754SDBA41A-P	19.6/9.8	91.7	1, 9, 18	MTPBRK
7.5	1800	575	213T	35	217	Y754SDBC41A-P	7.7	91.7	1, 18	MTPBRK

Totally Enclosed Fan Cooled

EQP Global® Brake Motor

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Brake (ft.-lbs.)	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol
7.5	1200	230/460	254T	50	254	Y756SDBA41A-P	20.4/10.2	91.0	1, 9, 18	MTPBRK
7.5	1200	575	254T	50	254	Y756SDBC41A-P	8.2	91.0	1, 18	MTPBRK
10	1800	230/460	215T	50	232	0104SDBA41A-P	26/13	91.7	1, 9, 18	MTPBRK
10	1800	575	215T	50	232	0104SDBC41A-P	10.1	91.7	1, 18	MTPBRK
10	1200	230/460	256T	75	327	0106SDBA41A-P	26.8/13.4	91.0	1, 9, 18	MTPBRK
10	1200	575	256T	75	327	0106SDBC41A-P	10.8	91.0	1, 18	MTPBRK
15	1800	230/460	254T	75	310	0154SDBA41A-P	38/19	92.4	1, 9, 18	MTPBRK
15	1800	575	254T	75	310	0154SDBC41A-P	15.2	92.4	1, 18	MTPBRK
15	1200	230/460	284T	105	408	0156SDBA41A-P	39.2/19.6	91.7	1, 9, 18	MTPBRK
15	1200	575	284T	105	408	0156SDBC41A-P	15.8	91.7	1, 18	MTPBRK
20	1800	230/460	256T	105	433	0204SDBA41A-P	50/25	93.0	1, 9, 18	MTPBRK
20	1800	575	256T	105	433	0204SDBC41A-P	20	93.0	1, 18	MTPBRK
20	1200	230/460	286T	125	650	0206SDBA41A-P	50.8/25.4	91.7	1, 9, 18	MTPBRK
20	1200	575	286T	125	650	0206SDBC41A-P	20	91.7	1, 18	MTPBRK
25	1800	230/460	284T	105	471	0254SDBA41A-P	61/30.5	93.6	1, 9, 18	MTPBRK
25	1800	575	284T	105	471	0254SDBC41A-P	24	93.6	1, 18	MTPBRK
30	1800	230/460	286T	125	635	0304SDBA41A-P	72.8/36.4	93.6	1, 9, 18	MTPBRK
30	1800	575	286T	125	635	0304SDBC41A-P	29	93.6	1, 18	MTPBRK

FL Amps and FL EFF are average expected design values and not guaranteed.
 The weights listed above are estimated.
 Please contact Toshiba for information on product availability.
 "CF" = Consult Factory

ODP General Purpose

TEFC General Purpose

Explosion Proof

IEC

Definite Purpose

LV Mods. (Stock & Prod.)

MV General Purpose Open

MV Gen. Purp. Enclosed

MV Modifications

ODP General Purpose

TEFC General Purpose

Explosion Proof

IEC

Definite Purpose

LV Mods. (Stock & Prod.)

MV General Purpose Open

MV Gen. Purp. Enclosed

MV Modifications

Totally Enclosed Fan Cooled

EQP Global® Brake Motor

NEMA Premium® Efficiency



HP	Speed (RPM)	Volts	Frame	Brake (ft.-lbs.)	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol
C-Face Footed										
0.75	1200	230/460	143TC	6	64	3/46SDBA42A-P	2.8/1.4	80.0	1, 9, 15, 16, 18	MTPBRK
0.75	1200	575	143TC	6	64	3/46SDBC42A-P	.9	81.5	1, 15, 16, 18	MTPBRK
1	1800	230/460	143TC	6	74	0014SDBA42A-P	3.4/1.7	85.5	1, 9, 15, 16, 18	MTPBRK
1	1800	575	143TC	6	74	0014SDBC42A-P	1.2	85.5	1, 15, 16, 18	MTPBRK
1	1200	230/460	145TC	10	69	0016SDBA42A-P	3.6/1.8	82.5	1, 9, 15, 16, 18	MTPBRK
1	1200	575	145TC	10	69	0016SDBC42A-P	1.5	82.5	1, 15, 16, 18	MTPBRK
1.5	1800	230/460	145TC	10	69	Y154SDBA42A-P	4.8/2.4	86.5	1, 9, 15, 16, 18	MTPBRK
1.5	1800	575	145TC	10	69	Y154SDBC42A-P	1.9	86.5	1, 15, 16, 18	MTPBRK
1.5	1200	230/460	182TC	10	92	Y156SDBA42A-P	5.0/2.5	87.5	1, 9, 15, 16, 18	MTPBRK
1.5	1200	575	182TC	10	92	Y156SDBC42A-P	2.0	87.5	1, 15, 16, 18	MTPBRK
2	1800	230/460	145TC	10	74	0024SDBA42A-P	6.0/3.0	86.5	1, 9, 15, 16, 18	MTPBRK
2	1800	575	145TC	10	74	0024SDBC42A-P	2.4	86.5	1, 15, 16, 18	MTPBRK
2	1200	230/460	184TC	15	107	0026SDBA42A-P	6.8/3.4	88.5	1, 9, 15, 16, 18	MTPBRK
2	1200	575	184TC	15	107	0026SDBC42A-P	2.7	88.5	1, 15, 16, 18	MTPBRK
3	1800	230/460	182TC	15	136	0034SDBA42A-P	8.0/4.0	89.5	1, 9, 15, 16, 18	MTPBRK
3	1800	575	182TC	15	136	0034SDBC42A-P	3.2	89.5	1, 15, 16, 18	MTPBRK
3	1200	230/460	213TC	35	184	0036SDBA42A-P	8.8/4.4	89.5	1, 9, 16, 18	MTPBRK
3	1200	575	213TC	35	184	0036SDBC42A-P	3.5	89.5	1, 16, 18	MTPBRK
5	1800	230/460	184TC	25	115	0054SDBA42A-P	13.0/6.5	89.5	1, 9, 15, 16, 18	MTPBRK
5	1800	575	184TC	25	115	0054SDBC42A-P	5.1	89.5	1, 15, 16, 18	MTPBRK
5	1200	230/460	215TC	35	206	0056SDBA42A-P	13.8/6.9	89.5	1, 9, 16, 18	MTPBRK
5	1200	575	215TC	35	206	0056SDBC42A-P	5.5	89.5	1, 16, 18	MTPBRK
7.5	1800	230/460	213TC	35	272	Y754SDBA42A-P	19.6/9.8	91.7	1, 9, 16, 18	MTPBRK
7.5	1800	575	213TC	35	272	Y754SDBC42A-P	7.7	91.7	1, 16, 18	MTPBRK
7.5	1200	230/460	254TC	50	272	Y756SDBA42A-P	20.4/10.2	91.0	1, 9, 16, 18	MTPBRK
7.5	1200	575	254TC	50	272	Y756SDBC42A-P	8.2	91.0	1, 16, 18	MTPBRK
10	1800	230/460	215TC	50	227	0104SDBA42A-P	26/13	91.7	1, 9, 16, 18	MTPBRK
10	1800	575	215TC	50	227	0104SDBC42A-P	10.1	91.7	1, 16, 18	MTPBRK
10	1200	230/460	256TC	75	352	0106SDBA42A-P	26.8/13.4	91.0	1, 9, 16, 18	MTPBRK
10	1200	575	256TC	75	352	0106SDBC42A-P	10.8	91.0	1, 16, 18	MTPBRK
15	1800	230/460	254TC	75	402	0154SDBA42A-P	38/19	92.4	1, 9, 16, 18	MTPBRK
15	1800	575	254TC	75	402	0154SDBC42A-P	15.2	92.4	1, 16, 18	MTPBRK
15	1200	230/460	284TC	105	408	0156SDBA42A-P	39.2/19.6	91.7	1, 9, 18	MTPBRK
15	1200	575	284TC	105	408	0156SDBC42A-P	15.8	91.7	1, 18	MTPBRK
20	1800	230/460	256TC	105	330	0204SDBA42A-P	50/25	93.0	1, 9, 16, 18	MTPBRK
20	1800	575	256TC	105	330	0204SDBC42A-P	20	93.0	1, 16, 18	MTPBRK
20	1200	230/460	286TC	125	650	0206SDBA42A-P	50.8/25.4	91.7	1, 9, 18	MTPBRK
20	1200	575	286TC	125	650	0206SDBC42A-P	20	91.7	1, 18	MTPBRK
25	1800	230/460	284TC	105	489	0254SDBA42A-P	61/30.5	93.6	1, 9, 18	MTPBRK
25	1800	575	284TC	105	489	0254SDBC42A-P	24	93.6	1, 18	MTPBRK
30	1800	230/460	286TC	125	560	0304SDBA42A-P	72.8/36.4	93.6	1, 9, 18	MTPBRK
30	1800	575	286TC	125	560	0304SDBC42A-P	29	93.6	1, 18	MTPBRK

Totally Enclosed Fan Cooled

EQP Global® Brake Motor

NEMA Premium® Efficiency



ODP General Purpose

TEFC General Purpose

Explosion Proof

IEC

Definite Purpose

LV Mods. (Stock & Prod.)

MV General Purpose Open

MV Gen. Purp. Enclosed

MV Modifications

HP	Speed (RPM)	Volts	Frame	Brake (ft.-lbs.)	Weight (lbs.)	Model Number	FL Amps	Nominal FL EFF	Notes	Discount Symbol
C-Face Footless										
0.75	1200	230/460	143TC	6	64	3/46SDBA44A-P	2.8/1.4	80.0	1, 9, 15, 18	MTPBRK
0.75	1200	575	143TC	6	64	3/46SDBC44A-P	.9	81.5	1, 15, 18	MTPBRK
1	1800	230/460	143TC	6	74	0014SDBA44A-P	3.4/1.7	85.5	1, 9, 15, 18	MTPBRK
1	1800	575	143TC	6	74	0014SDBC44A-P	1.2	85.5	1, 15, 18	MTPBRK
1	1200	230/460	145TC	10	69	0016SDBA44A-P	3.6/1.8	82.5	1, 9, 15, 18	MTPBRK
1	1200	575	145TC	10	69	0016SDBC44A-P	1.5	82.5	1, 15, 18	MTPBRK
1.5	1800	230/460	145TC	10	69	Y154SDBA44A-P	4.8/2.4	86.5	1, 9, 15, 18	MTPBRK
1.5	1800	575	145TC	10	69	Y154SDBC44A-P	1.9	86.5	1, 15, 18	MTPBRK
1.5	1200	230/460	182TC	10	92	Y156SDBA44A-P	5.0/2.5	87.5	1, 9, 15, 18	MTPBRK
1.5	1200	575	182TC	10	92	Y156SDBC44A-P	2.0	87.5	1, 15, 18	MTPBRK
2	1800	230/460	145TC	10	74	0024SDBA44A-P	6.0/3.0	86.5	1, 9, 15, 18	MTPBRK
2	1800	575	145TC	10	74	0024SDBC44A-P	2.4	86.5	1, 15, 18	MTPBRK
2	1200	230/460	184TC	15	107	0026SDBA44A-P	6.8/3.4	88.5	1, 9, 15, 18	MTPBRK
2	1200	575	184TC	15	107	0026SDBC44A-P	2.7	88.5	1, 15, 18	MTPBRK
3	1800	230/460	182TC	15	136	0034SDBA44A-P	8.0/4.0	89.5	1, 9, 15, 18	MTPBRK
3	1800	575	182TC	15	136	0034SDBC44A-P	3.2	89.5	1, 15, 18	MTPBRK
3	1200	230/460	213TC	35	184	0036SDBA44A-P	8.8/4.4	89.5	1, 9, 18	MTPBRK
3	1200	575	213TC	35	184	0036SDBC44A-P	3.5	89.5	1, 18	MTPBRK
5	1800	230/460	184TC	25	115	0054SDBA44A-P	13.0/6.5	89.5	1, 9, 15, 18	MTPBRK
5	1800	575	184TC	25	115	0054SDBC44A-P	5.1	89.5	1, 15, 18	MTPBRK
5	1200	230/460	215TC	35	206	0056SDBA44A-P	13.8/6.9	89.5	1, 9, 18	MTPBRK
5	1200	575	215TC	35	206	0056SDBC44A-P	5.5	89.5	1, 18	MTPBRK
7.5	1800	230/460	213TC	35	272	Y754SDBA44A-P	19.6/9.8	91.7	1, 9, 18	MTPBRK
7.5	1800	575	213TC	35	272	Y754SDBC44A-P	7.7	91.7	1, 18	MTPBRK
7.5	1200	230/460	254TC	50	272	Y756SDBA44A-P	20.4/10.2	91.0	1, 9, 18	MTPBRK
7.5	1200	575	254TC	50	272	Y756SDBC44A-P	8.2	91.0	1, 18	MTPBRK
10	1800	230/460	215TC	50	227	0104SDBA44A-P	26/13	91.7	1, 9, 18	MTPBRK
10	1800	575	215TC	50	227	0104SDBC44A-P	10.1	91.7	1, 18	MTPBRK
10	1200	230/460	256TC	75	352	0106SDBA44A-P	26.8/13.4	91.0	1, 9, 18	MTPBRK
10	1200	575	256TC	75	352	0106SDBC44A-P	10.8	91.0	1, 18	MTPBRK
15	1800	230/460	254TC	75	402	0154SDBA44A-P	38/19	92.4	1, 9, 18	MTPBRK
15	1800	575	254TC	75	402	0154SDBC44A-P	15.2	92.4	1, 18	MTPBRK
15	1200	230/460	284TC	105	408	0156SDBA44A-P	39.2/19.6	91.7	1, 9, 18	MTPBRK
15	1200	575	284TC	105	408	0156SDBC44A-P	15.8	91.7	1, 18	MTPBRK
20	1800	230/460	256TC	105	330	0204SDBA44A-P	50/25	93.0	1, 9, 18	MTPBRK
20	1800	575	256TC	105	330	0204SDBC44A-P	20	93.0	1, 18	MTPBRK
20	1200	230/460	286TC	125	650	0206SDBA44A-P	50.8/25.4	91.7	1, 9, 18	MTPBRK
20	1200	575	286TC	125	650	0206SDBC44A-P	20	91.7	1, 18	MTPBRK
25	1800	230/460	284TC	105	489	0254SDBA44A-P	61/30.5	93.6	1, 9, 18	MTPBRK
25	1800	575	284TC	105	489	0254SDBC44A-P	24	93.6	1, 18	MTPBRK
30	1800	230/460	286TC	125	560	0304SDBA44A-P	72.8/36.4	93.6	1, 9, 18	MTPBRK
30	1800	575	286TC	125	560	0304SDBC44A-P	29	93.6	1, 18	MTPBRK