

marathon™

— Motors

TEAO Cooling Tower Motors

SB559



Featuring the
AEGIS® Bearing
Protection Ring



A Regal Brand

REGAL

TEAO COOLING TOWER MOTORS

NEMA Premium Severe Duty

Marathon Motors introduces an extension to its already strong line of Cooling Tower motors. The TEAO Cooling Tower motor is the next step in our highly engineered product line.

SPECIFICATIONS

- 3-250 HP, 1800 RPM
- 230/460V (182-405 frame), 460V (440 frame)
- Meets or exceeds NEMA Premium® efficiencies
- Bearing Current Protection (BCP) **AEGIS® Inside**
- Blue Chip® quality, 100% cast iron construction for rigidity and reduced vibration
- IP 56 Rating
- Fully Gasketed Conduit Box, with lead separator
- Internal and external epoxy paint
- MAX GUARD® Class F insulation system
- 1.15 Service Factor on sinewave, 1.0 Service Factor on IGBT power
- Suitable for 10:1 VT, 20:1 CT on VFD
- Rated 60/50 hertz, 190/380 or 380 volt at next lower horsepower
- Sealed Bearings - 182T to 215T
- Regreasable Bearings with fitting - 254T to 449T
- T-drains provided for effective drainage (Installed in both endshields)
- Suitable for all angle mounting
- Drive end Inpro/Seal® quality VBX® bearing isolator with shaft slinger
- Actual test and vibration data supplied with each motor
- UL Recognized and CSA Certified
- Three year warranty
- F1/F2 Capable



APPLICATIONS

Cooling Towers, fan and blowers along with other severe duty environments where long life and high efficiency are desired. Appropriate in air over applications where space is a minimum.



marathon™
Motors



100 E. Randolph Street, PO Box 8003
Wausau, WI 54401-8003
PH: 715-675-3311

www.marathonelectric.com

A Regal Brand

REGAL

www.regalbeloit.com

Blue Chip® Severe Duty / Cooling Tower: Single-Speed TEAO, Rigid Base, Three Phase

Applications:

For cooling tower applications. Designed for outdoor use in harsh environments and conditions. Guaranteed efficiencies offer an eXtra Return on your Investment when using these premium efficiency motors on high cycle or long run time applications.

Features:

- ◆ Meets or exceeds NEMA Premium® efficiencies
- ◆ **AEGIS® SGR installed internally**
- ◆ Blue Chip® quality, 100% cast iron construction for rigidity and reduced vibration
- ◆ Internal and external epoxy paint
- ◆ MAX GUARD® Class F insulation system
- ◆ 1.15 Service Factor on sinewave, 1.0 Service Factor on IGBT power
- ◆ Rated 60/50 hertz, 190/380 or 380 volt at next lower horsepower
- ◆ Extended grease tubes, regreasable in service
- ◆ T-drains provided for effective drainage (Installed in both endshields)
- ◆ Suitable for all angle mounting
- ◆ Inpro/Seals® quality VBX® bearing isolators
- ◆ Ball Bearings
- ◆ Actual test and vibration data supplied with each motor
- ◆ UL Recognized and CSA Certified
- ◆ Suitable for 10:1 VT, 20:1 CT on VFD
- ◆ Three year warranty



HP	RPM	VOLTS	FRAME	CAT NO.	MODEL NO.	STOCK	CT SPEED RANGE*	MULT. SYMBOL	NOM. EFF.	FL. AMPS	WEIGHT	"C" DIM.
3	1800	230/460	182T	U1867	182TTTN16571	√	20:1	S3	90.2	8.0/4.0	145	15.87
5	1800	230/460	184T	U1868	184TTTN16545	√	20:1	S3	90.2	12.4/6.2	128	17.87
7 ½	1800	230/460	213T	U1869	213TTTN16539	√	20:1	S3	91.7	19.2/9.6	273	18.22
10	1800	230/460	215T	U1870	215TTTN16541	√	20:1	S3	91.7	25/12.5	267	19.72
15	1800	230/460	254T	U1871	254TTTNA16545	√	20:1	S3	92.4	37.5/18.8	349	23.52
20	1800	230/460	256T	U1872	256TTTNA16544	√	20:1	S3	93.0	48.0/24.1	375	25.27
25	1800	230/460	284T	U1873	284TTTNA16540	√	20:1	S3	93.6	62.0/31.0	440	26.34
30	1800	230/460	286T	U1874	286TTTNA16541	√	20:1	S3	94.1	73.0/36.5	503	27.84
40	1800	230/460	324T	U1875	324TTTS16535	√	20:1	S3	94.1	95.0/47.5	567	30.37
50	1800	230/460	326T	U1876	326TTTS16533	√	20:1	S3	94.5	120/60.0	644	30.37
60	1800	230/460	364T	U1877	364TTTS16534	√	20:1	S3	95.0	138/69.0	1078	31.50
75	1800	230/460	365T	U1878	365TTTS16536	√	20:1	S3	95.4	172/86.0	1169	32.50
100	1800	230/460	405T	U1879	405TTTS16537	√	20:1	S3	95.4	226/113	1458	37.12
125	1800	460	444T	U1880	444TTTN16535	√	20:1	S3	95.4	145	1990	43.35
150	1800	460	445T	U1881	445TTTN16536	√	20:1	S3	95.8	172	2343	43.35
200	1800	460	445T	U1882	445TTTN16537	√	20:1	S3	96.2	226	2556	43.35
250	1800	460	445T	U1884	449TTTS16539	√	20:1	S3	96.2	285	2409	43.26

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet EISA requirements

*Requires nameplate modification
Blue shaded areas are Cast Iron Frames
Specifications are subject to change without notice.