

Other Purpose Motors

Model No: 171846.60

Catalog No: 171846.60

Other Purpose Motor, 5 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 184TZ
Frame, TEFC

Product Information Packet: Model No: 171846.60, Catalog No: 171846.60 Other Purpose Motor, 5 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 RPM, 184TZ Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	5 & 5 Hp
Output KW	3.7 & 3.7 kW	Voltage	208-230/460 & 190/380 V
Speed	1760 & 1445 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.15 & 1.15	Frame	184TZ
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	Thermostat
Efficiency	89.5 & 86.5 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	13.8-12.8/6.4 & 15.4/7.7 A
Power Factor	81.1	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1

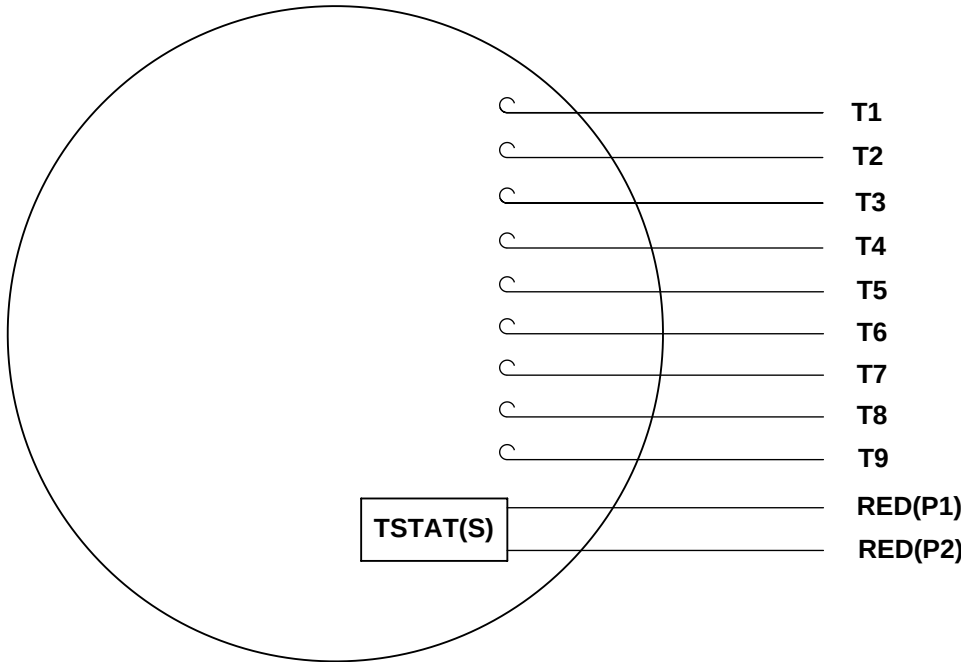
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	2.019 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Single Special Extension	Overall Length	17.1 in
Shaft Diameter	1 1/8 in	Shaft Extension	3.755 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	Constant 10:1/Variable 10:1

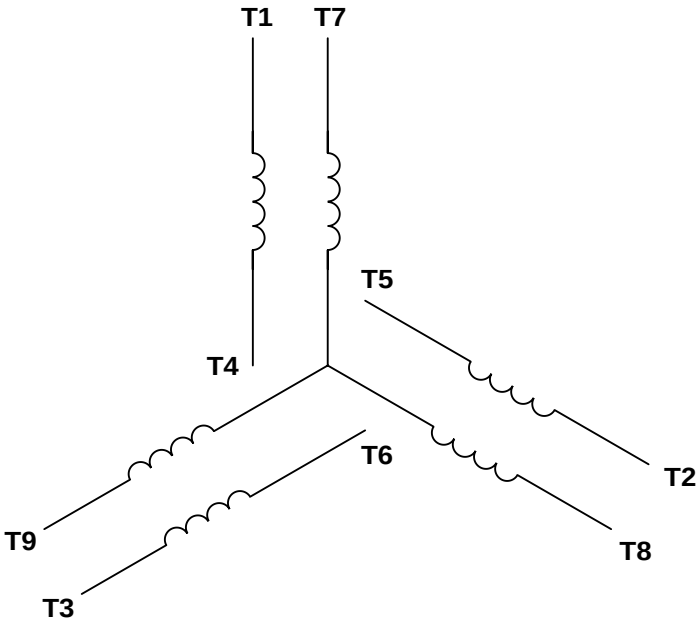
Drawings

Connection Drawing	005010.20	Outline Drawing	SS620862
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

DRAWING REVISION
J

REVISION BY
SV

REV DATE/© DATE
08/07/2026

REQUEST NUMBER
CR-0027273

APPROVED BY
RMS

DATE
08/07/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):
DEC. INCH mm ANGLE
.X ±0.1 [±3] ±0.5°
.XX ±0.01 [±0.3]
.XXX ±0.005 [±0.13]
.XXXX ±0.0005 [±0.013]
REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125/ 3.2/
INCH mm
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY
DBT

DATE
12/16/97

APPROVED BY
KH

DATE
12/17/97

REFERENCE

THIRD ANGLE
PROJECTION

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL
DECAL - 004014 (TSTAT) - 080582

PROCESS/FINISH
STOCK

SIZE
A

DRAWING NUMBER
00501020

SHEET
1 OF 1

marathon™

3 of 3