



A Regal Brand

Catalog # : 121066.00
Product Type: AC MOTOR
Description:

Model: 121066.00
Stock: Y

Quote: Price:

Date: 08/13/2018



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Engineering Data

Volts	208-230	Volts	460	Volts	190/380
F.L. Amps	4.6-4.8	F.L. Amps	2.4	F.L. Amps	5.6/2.8
S. F Amps	5.2-5.4	S. F Amps	2.7	S. F Amps	6/3

RPM	1800	Hertz	60/50	TYPE	TF
HP	1 1/2	Duty	CONTINUOUS	Phase	3
KW	1.12	Serv. Factor	1.15	Code	L
Frame	145TC	Design	B	Therm.Prot.	9700K46
Max Amb	40	Protection	NOT	PF	67.7
Insul Class	F	Eff 75%		Bearing OPE	6203
Eff 100%	86.5	CSA	Yes	Bearing PE	6205
UL	Y-(LEESON UL REC)	CE	Yes	Speed Range	NONE
CC Number	CC005A	Inverter Type			

Motor Wt.	44 LB	Enclosure	TEFC	Lubrication	POLYREX EM
Nameplate	993500	Mounting	ROUND	Rotation	REV
Assembly		Shaft Dia.	7/8 IN	Ext. Diag.	005010.20
Cust Part No		Outline	028777-750	Ext. Diag2	
Packaging	B	Outline Dash No		Winding	T634341
Carton Label	Leeson Wattsaver			GROUP :	3
Iris		Paint	GREEN - LEESON WATTSAYER	Test Card	01

Form Factor		RMS Amps		Const TorqueSpeed Range
Torque		Peak		
AB Code		Peak@DegC		
Resistance				
Connection				

Rework Status Rework TYPE

Hazardous Loc
Explosion Proof
Class
Class

NONE

Temp Op Code
GROUP
GROUP

Brake Motors
FORCE
VDC
ADC

Brake Coil OHMs @25 C

Performance					
Torque UOM	LB-FT		Inertia (WK ²)	.14 LB-FT ²	
Torque	4.5(Full Load)		20.4(Break Down)	17(Pull Up)	17.2(Locked Rotor)
CURRENT (amps)	2.4(Full Load)		12.09(Break Down)	16.06(Pull Up)	18.5(Locked Rotor)
Efficiency (%)	0(Full Load)		87.2(75% Load)	84.2(50% Load)	74.4(25% Load)
PowerFactor	75.3(Full Load)		67.3(75% Load)	55.2(50% Load)	35.4(25% Load)

Load Curve Data @60/50 HzVolts,1 1/2Horsepower

Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0.0	1.23	0.097	1797	0.0	0.0	9.9	0.0	-
1.0	2.15	1.29	1725	4.5	85.5	75.3	999.0	-
0.25	1.33	0.375	1786	1.1	74.4	35.4	0.0	-
0.5	1.53	0.673	1773	2.25	84.2	55.2	0.0	-
0.75	1.81	0.97	1761	3.38	87.2	67.3	0.0	-
1.0	2.15	1.291	1746	4.5	86.4	75.4	45.0	-
1.25	2.52	1.611	1732	5.63	86.0	80.2	65.0	-
1.5	2.94	1.945	1716	6.75	84.6	83.0	65.0	-
1.75	3.37	2.286	1699	7.88	83.2	85.1	0.0	-
2.0	3.85	2.65	1678	9.0	80.9	86.4	0.0	-

SOURCE: CALCULATED GROUP: 3

Load Curve Data @60/50HzVolts,1 1/2Horsepower

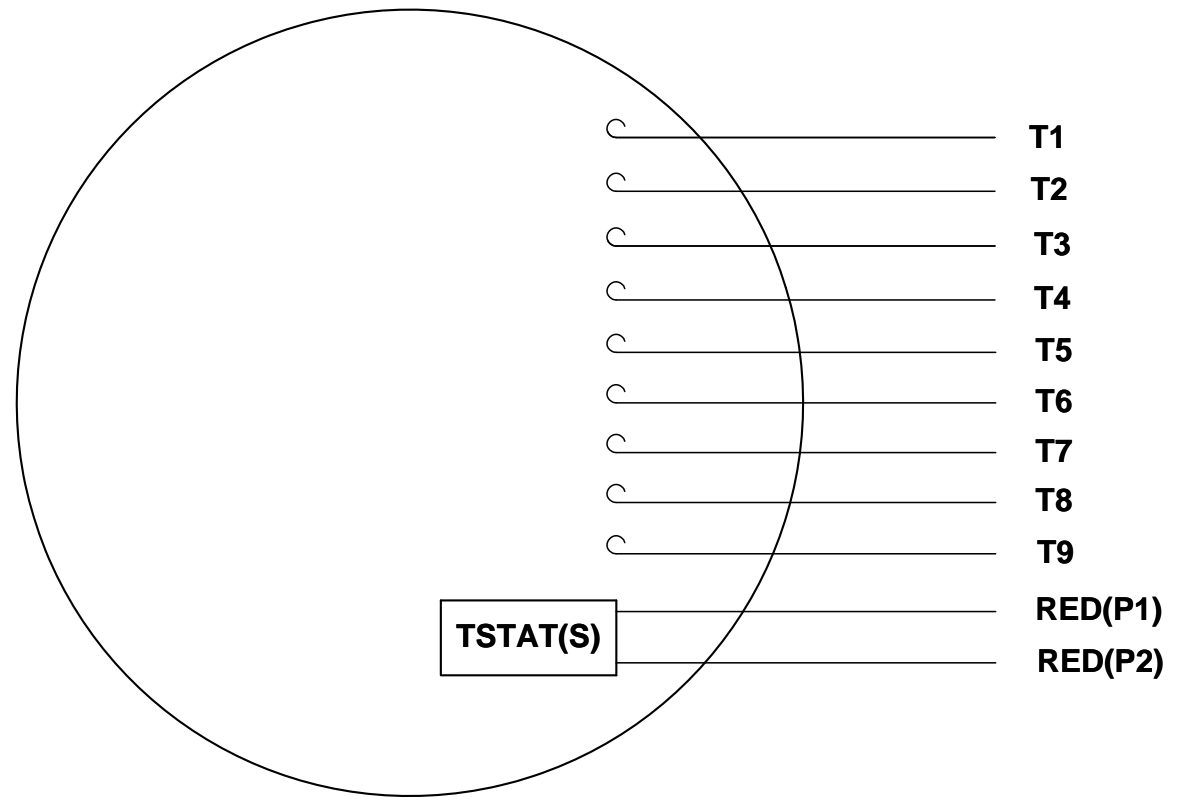
Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
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Load Curve Data Not Available

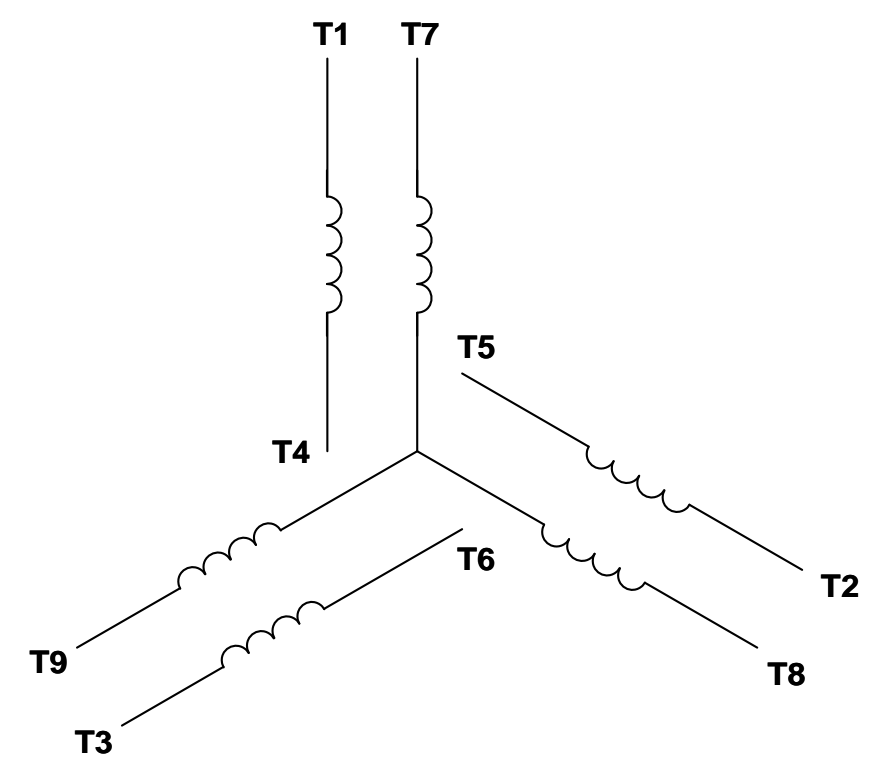
Quote: Price:

Date: 08/13/2018

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



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 **G** REVISION BY **MVG** DATE **04/05/2017**

ECO **ECO-0121253** APPROVED BY **SM** DATE **04/05/2017**

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
 CORNER FILLETS: R.02 [.51]
 MACHINED SURFACES: 125/3.2 INCH/mm
 mm SHOWN IN [BRACKETS]

DRAWN BY **DBT 12/16/97**

DATE

APPROVED BY **KH 12/17/97**

DATE

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**