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Cooling Tower Motors

Model No: 365TTFS9230
Catalog No: Y390

Cooling Tower Motor, 60 & 15 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 365T Frame, TEFC

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Product Information Packet: Model No: 365TTFS9230, Catalog No: Y390 Cooling Tower Motor, 60 & 15 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 365T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**60 & 15 Hp**
Output KW	**45.0 & 11.2 kW**	Voltage	**460 & 460 V**
Speed	**1780 & 885 r/min**	Synchronous RPM	**1800 & 900 r/min**
Service Factor	**1.15 & 1.15**	Frame	**365T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**92.4 & 91 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 60 Hz**	Current	**74.5 & 25 A**
Power Factor	**81**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**1VT**
KVA Code	**H**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6312**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**2**

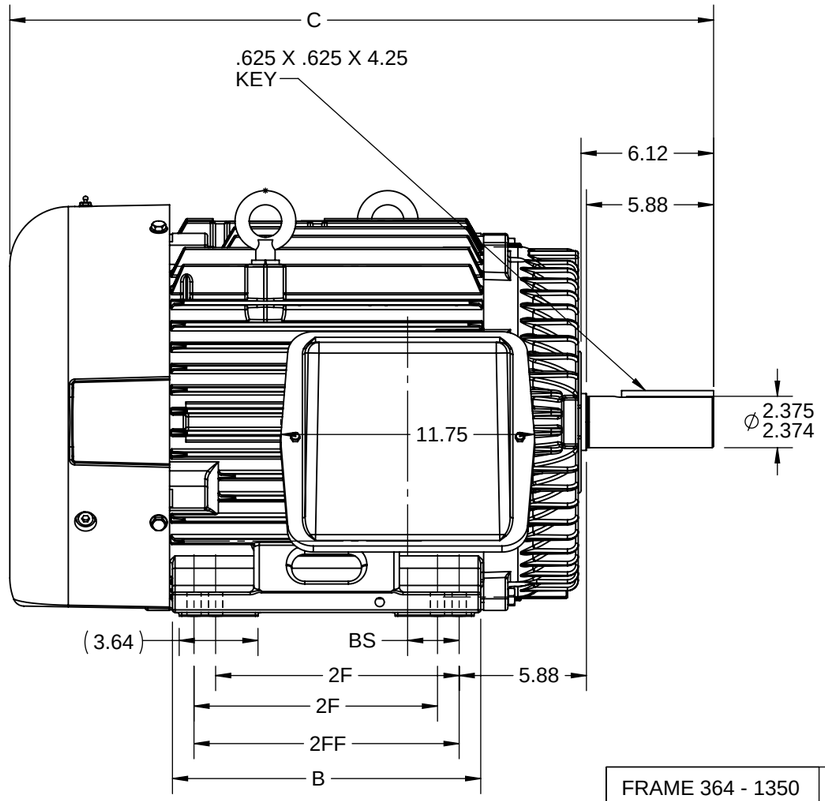
Technical Specifications

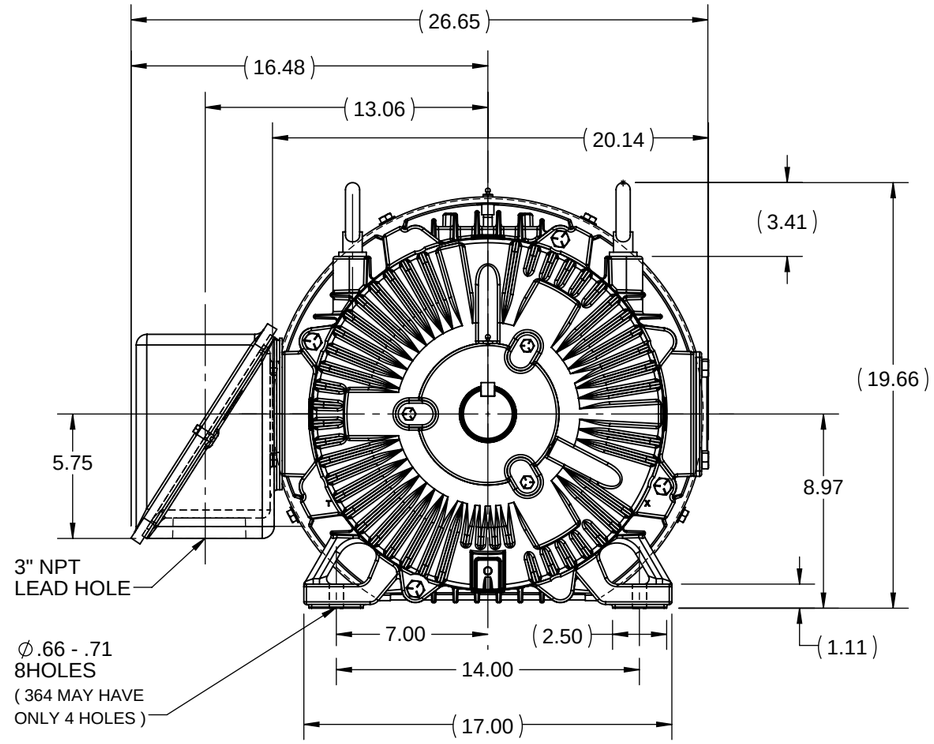
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4/8**	Rotation	**Reversible**
Resistance Main	**.115 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**32.5 in**
Frame Length	**14.5 in**	Shaft Diameter	**2 3/8 in**
Shaft Extension	**6.12 in**	Assembly/Box Mounting	**F1/F2 Capable**

Drawings

Connection Drawing	**EE7322**	Outline Drawing	**B-SS518180-1450**

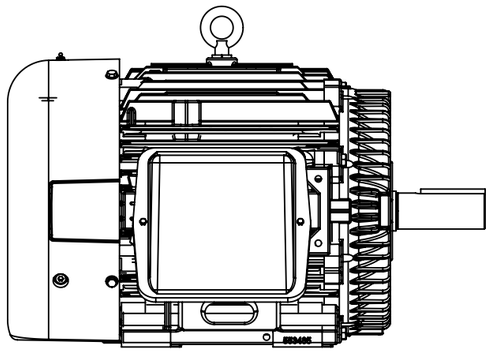
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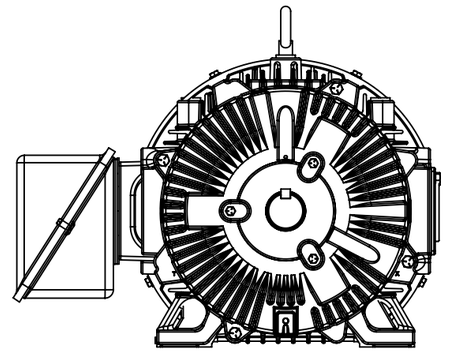




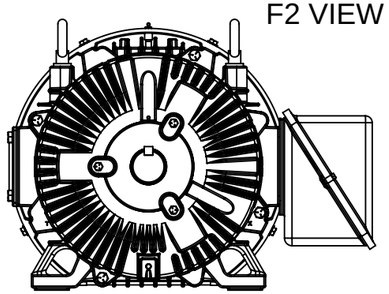
FRAME 364 - 1350

NOTE:
1. ALTERNATE FRAME DRAWING.
2. MODELS USING ALTERNATE FRAME 553485A.





F2 VIEW



NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS

DASH	FRAME	B	C	2F	2FF	BS
1350	364T	13.25	31.52	11.25	- - -	5.62
1450	364/365T	14.25	32.52	11.25	12.25	2.38

DRAWING REVISION	REVISION BY	REV DATE/© DATE
G	SV	05/21/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026353	RMS	05/21/2026

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

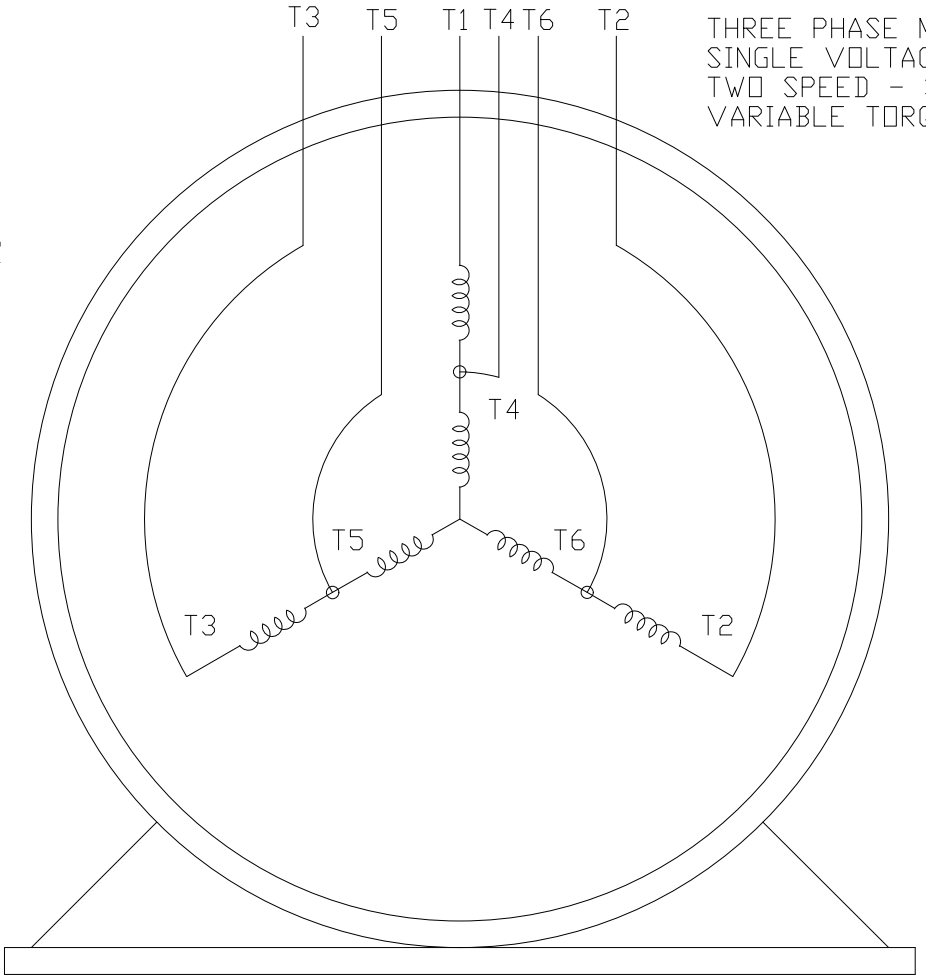
REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 / 5.1 /
INCH / mm
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION
DMT	OUTLINE - TEFC/CEE
DATE: 01-23-2001	360T FR. - TAPPED LEAD HOLE - (STD)
APPROVED BY: JHL	
DATE: 01-23-2001	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS518180 / SHEET: 1 OF 1

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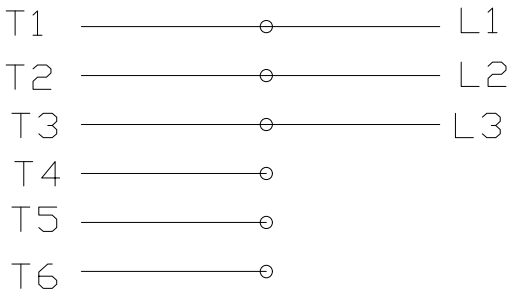
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THREE PHASE MOTOR
SINGLE VOLTAGE
TWO SPEED - SGL. WDG.
VARIABLE TORQUE

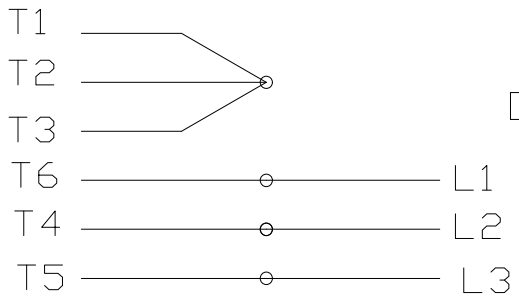


VIEW OF TERMINAL END

LOW SPEED

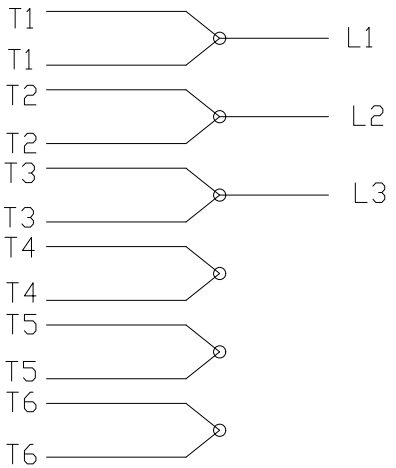


HIGH SPEED

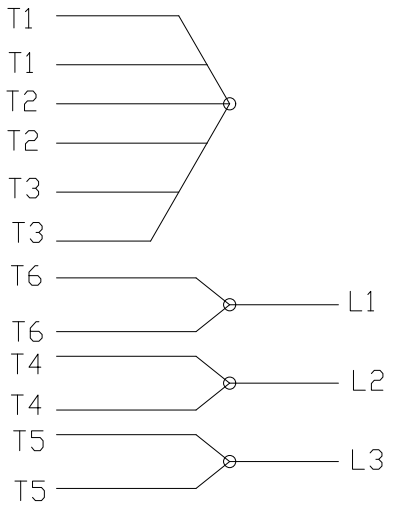


FOR DUAL LEADS

LOW SPEED



HIGH SPEED



T612C
T48B

DRAWING REVISION	REVISION BY	REV DATE/ © DATE
C	SB	08/20/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023600	SBD	08/20/2025

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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
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DRAWN BY	PGK
DATE	12/26/1996
APPROVED BY	TB
DATE	01/07/1997
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM
3Ø - SINGLE VOLTAGE - 2 SPEED

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	4 of 5 EE7322	1 OF 1

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CERTIFICATION DATA SHEET

Model#:	365TTFS9230 AN	**WINDING#:**	T365(4-8)36 NONE 1
CONN. DIAGRAM:	A-EE7322	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	B-SS518180-1450		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&15	45&11.2	900	1780&885	365T	TEFC	H	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	74.5&25	ACROSS THE LINE	CONTINUOUS	F3	1.15/1.15	40	3300

FULL LOAD EFF: 92.4&91	3/4 LOAD EFF: 91	1/2 LOAD EFF: 89.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 81&62	3/4 LOAD PF: 56	1/2 LOAD PF: 45	89.2	SQ CAGE IND RUN	14

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
89 LB-FT	95	135 LB-FT 152	180 LB-FT 202	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	14.5 LB-FT^2	- LB-FT^2	- SEC.	-	900 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6314	BALL 6312	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

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FORM 3531 REV.3 02/07/99
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