

PRODUCT INFORMATION PACKET

Model No: 364TTTS16534

Catalog No: U1877

60 HP Severe Duty Motor, 3 phase, 1800 RPM, 230/460 V, 364TV Frame, TEAO
Low Voltage NEMA Cooling Tower Motors



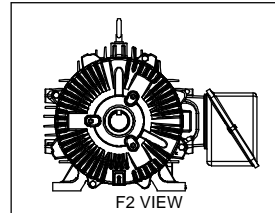
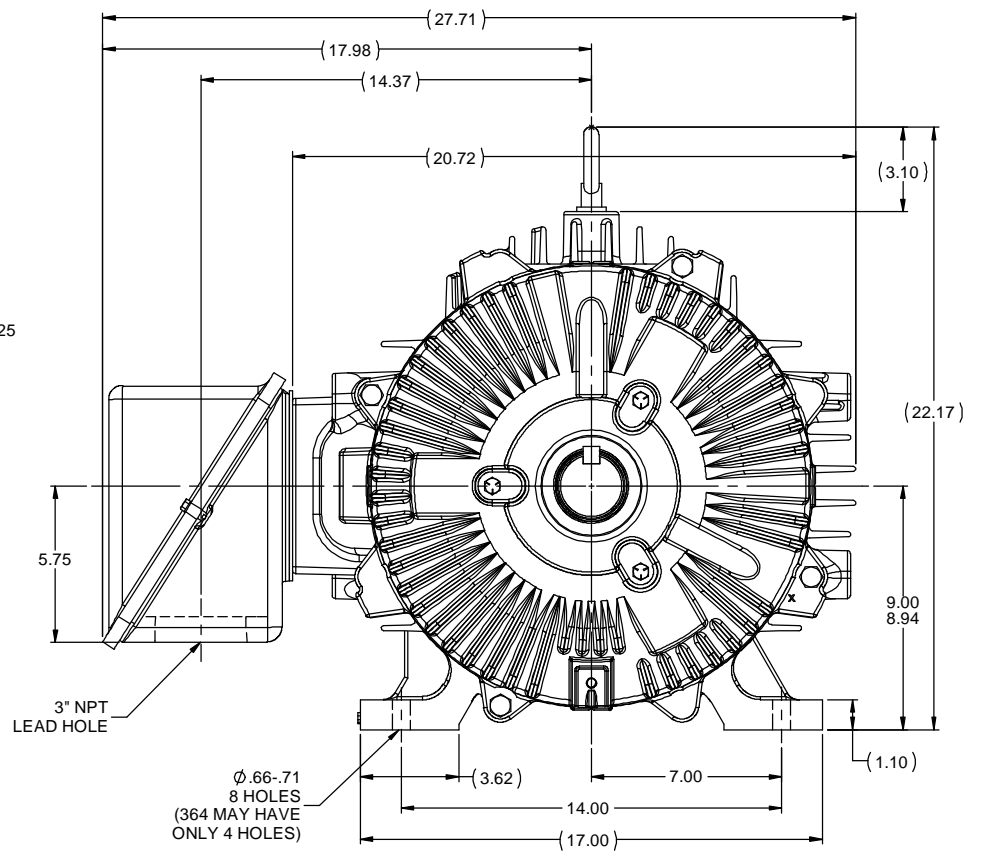
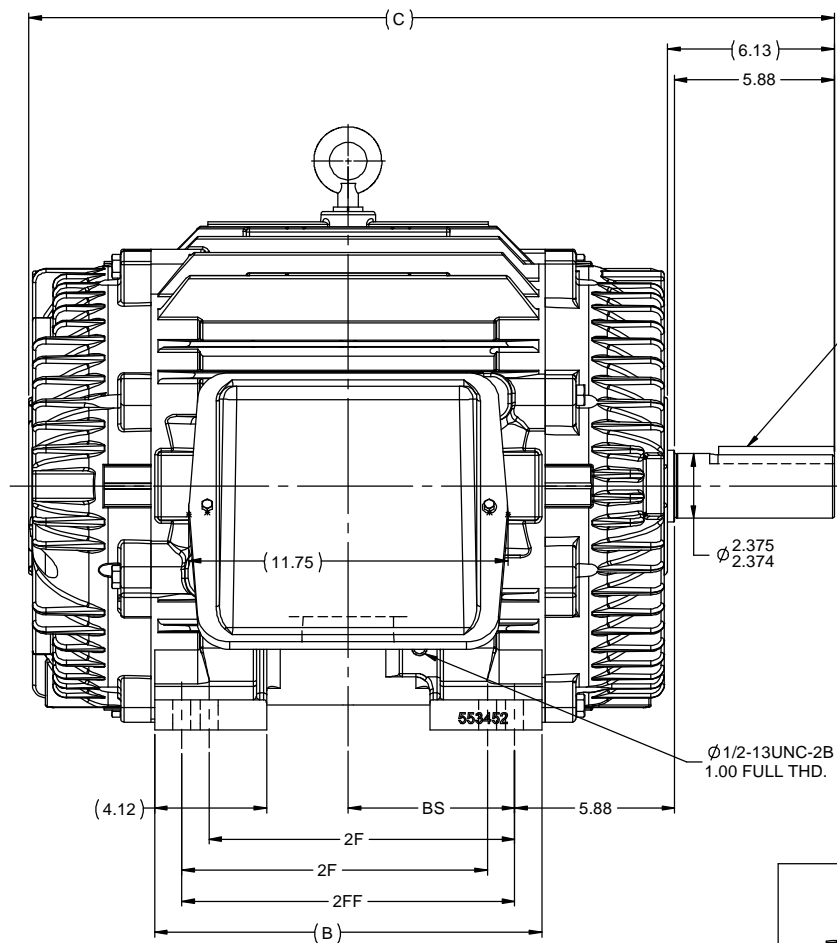
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	138.0/69.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	364TV	Enclosure	Totally Enclosed Air Over
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	56

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.101 Ohms	Mounting	Rigid base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	29.64 in
Frame Length	14.50 in	Shaft Diameter	2.375 in
Shaft Extension	6.13 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS517119-1350	Connection Drawing	A-EE7308K

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:27/03/2020



- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90 ° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING 180 °.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	2FF	BS
1350	364T	13.24	28.64	11.25	---	5.63
1450	364/365T	14.24	29.64	11.25	12.25	6.13

				TOLERANCES UNLESS SPECIFIED		marathon electric		DRAWN JJB 10-02-2009			
				DEC	INCHES			CHK	MH 10-02-2009		
3	UPDATED FRAME ISAAC 09-5049 & ADDED F2 VIEW	EH	05-17-2012	MH	XX	±.03	TITLE	OUTLINE	APPR	MJS 10-02-2009	
2	UPDATED FRAME, BRACKETS, & COND BOX CN24390	KL	03-28-2005		XXX	±.005		360T FR - TEAO/TENV - TAPPED LEAD HOLE	SCALE	7:32	
1	NEW DRAWING MU25005	KL	04-30-1999		XXXX	±.0005	MATL		REF		
						±7'30"	FINISH		FMF	MU92634	
NO	REVISION	BY & DATE	CHK	LANG	PREV				PAGE	OF	
	THIRD ANGLE PROJECTION				RFP		NETWORK FILE NAME	SS517119	SIZE	DRAWING NO	REV
									B	SS517119	3


LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997			
NO.	REVISION	BY & DATE	CHK	ANG		±	INCHES	SCALE	PREV
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.				CHK ML 06-05-1997	
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	±.1			APPD GK 06-15-1997	
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM		
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	±.005		TITLE DELTA CON. - 3Ø - 9 LEADS	REF	
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005		MAT'L.	FMF	
					±7'30"		FINISH		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE EE7308K			SIZE A	DRAWING NO. EE7308K	PAGE OF REV. E
			DIST						

CERTIFICATION DATA SHEET

Model#: 364TTTS16534 AN **WINDING#:** T3654165 R12 6
CONN. DIAGRAM: A-EE7308K **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: B-SS517119-1450

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
60&50	45&37	1800	1780&1480	364TV	TEAO	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	138/69&139/6 9.5	LINE OR INVERTER	CONTINUOU S AOM	F1	1.15/1.15	40	3300

FULL LOAD EFF: 95&94.5	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86&86	3/4 LOAD PF: 83.5	1/2 LOAD PF: 77	94.5	SQ CAGE INV RATED	44 / 22

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
177 LB-FT	870 / 435	325 LB-FT 184	450 LB-FT 254	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	16 LB-FT^2	420 LB-FT^2	25 SEC.	2	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 OR UP OR DOWN	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: CONSTANT 20:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

*
N
O
T
E
S
*

DATE: 06/21/2017 08:38:03 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.

