

PRODUCT INFORMATION PACKET

Model No: 444TSTFCD6001
Catalog No: GT1048A
125,3600,TEFC,444TS,3/60/460
Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

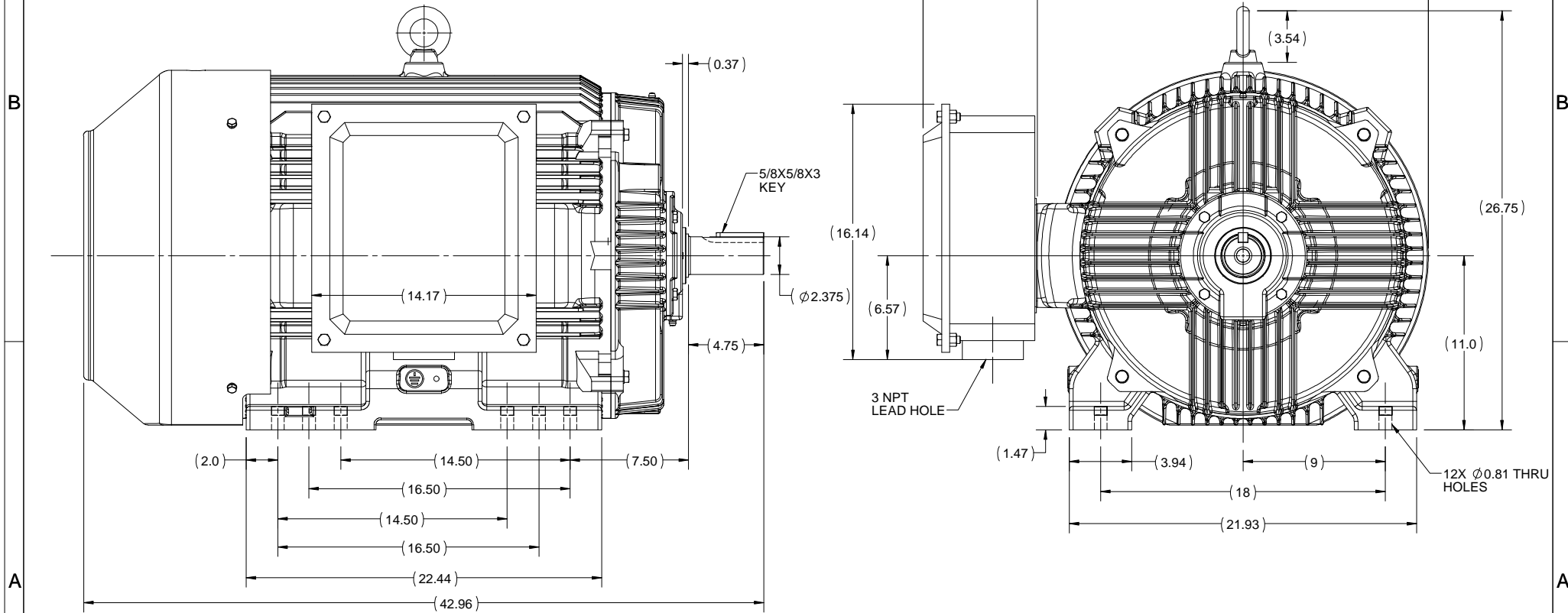
Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	138.0 A	Speed	3580 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	444TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6314
Opp Drive End Bearing Size	6314	UL	Listed
CSA	Y	CE	Y
IP Code	55		

Technical Specifications


Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	42.96 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS557008	Connection Diagram	EE7341C

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OUTLINE



DRAWING REVISION C	REVISION BY GNK	DATE 04/05/2018
ECO ECO-0143704	APPROVED BY SBD	DATE 04/05/2018
ECO DESCRIPTION DRAWING UPDATED		
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DRAWN BY NIV	 Regal Beloit America, Inc.
DATE 29/03/2015	
APPROVED BY SBD	DESCRIPTION OUTLINE
DATE 29/03/2015	444/445TS FR-TEFC
REFERENCE	MATERIAL
THIRD ANGLE PROJECTION	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS557008
	SHEET 1 OF 1

EE7341C

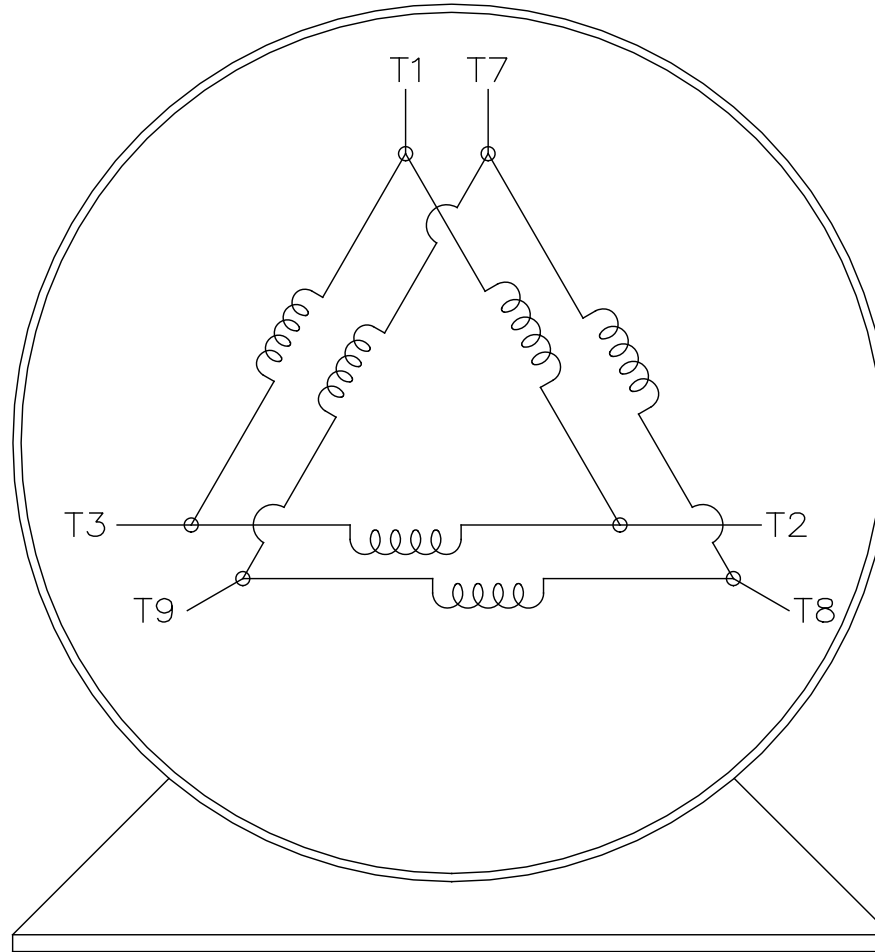
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

- CONNECT T1 TO LINE 1
- CONNECT T2 TO LINE 2
- CONNECT T3 TO LINE 3
- T7–T8–T9 OPEN

RUN

- CONNECT T1&T7 TO LINE 1
- CONNECT T2&T8 TO LINE 2
- CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION		DRAWN BLR 03-09-1998	
		DEC.	INCHES			CHK	ML
			.X ± -			APPD	GK 03-23-1998
			.XX ± -		TITLE	SCALE 1=1	
			.XXX ± -		CONNECTION DIAGRAM	REF	
					3Ø – 6 LEADS	FMF	
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH .XXXX ± -		MAT'L.	PREV	
NO.	REVISION	BY & DATE	CHK	ANG	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 EE7341C		SIZE	DRAWING NO. PAGE OF REV.
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CERTIFICATION DATA SHEET

Model#: 444TSTFCD6001 AA **WINDING#:** HE32802009 NONE 1
CONN. DIAGRAM: EE7341C **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: SS557008

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93&75	3600	3580&2980	444TS	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	138&134	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 95&94.5	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89.5&89.5	3/4 LOAD PF: 87.5	1/2 LOAD PF: 81.5	94.5	SQ CAGE INV RATED	38.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
183 LB-FT	905	275 LB-FT 150	513 LB-FT 280	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
87 dBA	97 dBA	31 LB-FT^2	75 LB-FT^2	15 SEC.	2	2200 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2 T2B	FALSE	NONE	BLUE (ENAMEL)

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

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: VARIABLE 10:1
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

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