

PRODUCT INFORMATION PACKET

Model No: 445TSTFCD6001
Catalog No: GT1051A
150,3600,TEFC,445TS,3/60/460
Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

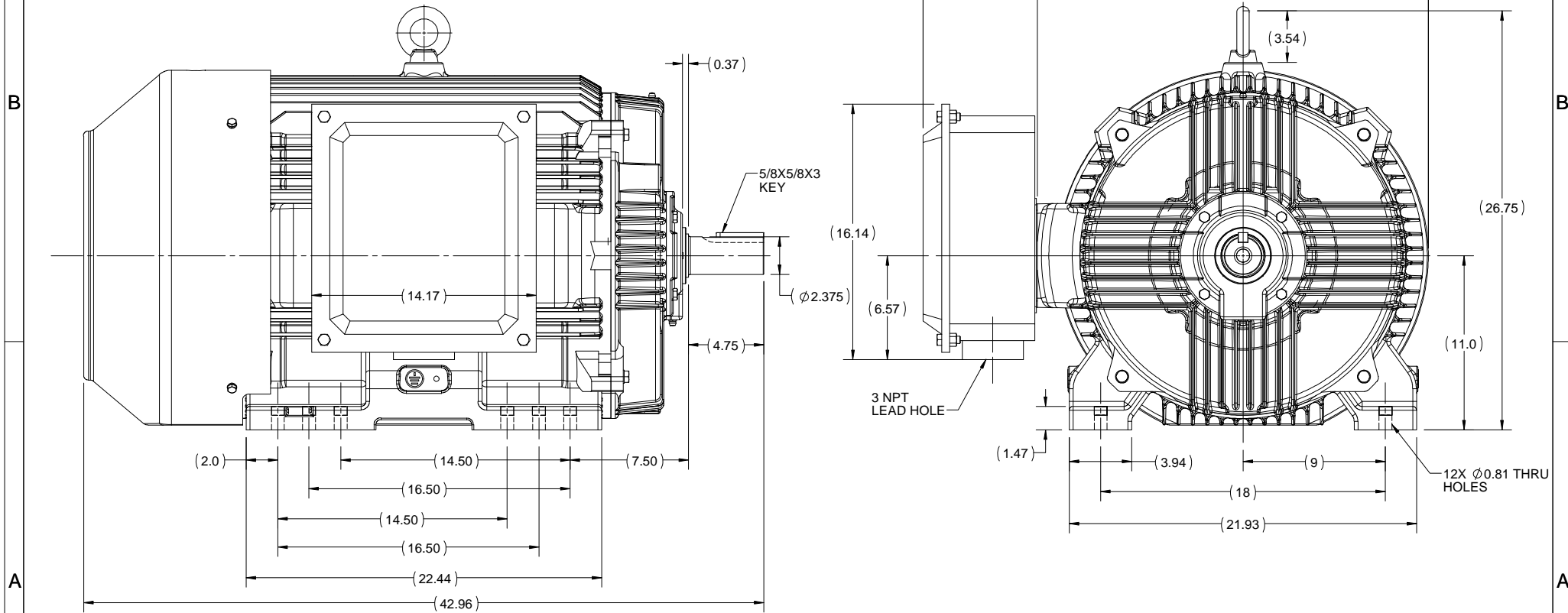
Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	164.0 A	Speed	3580 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	445TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive 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 444/445TS FR-TEFC
DATE 29/03/2015	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER SS557008
	SHEET 1 OF 1

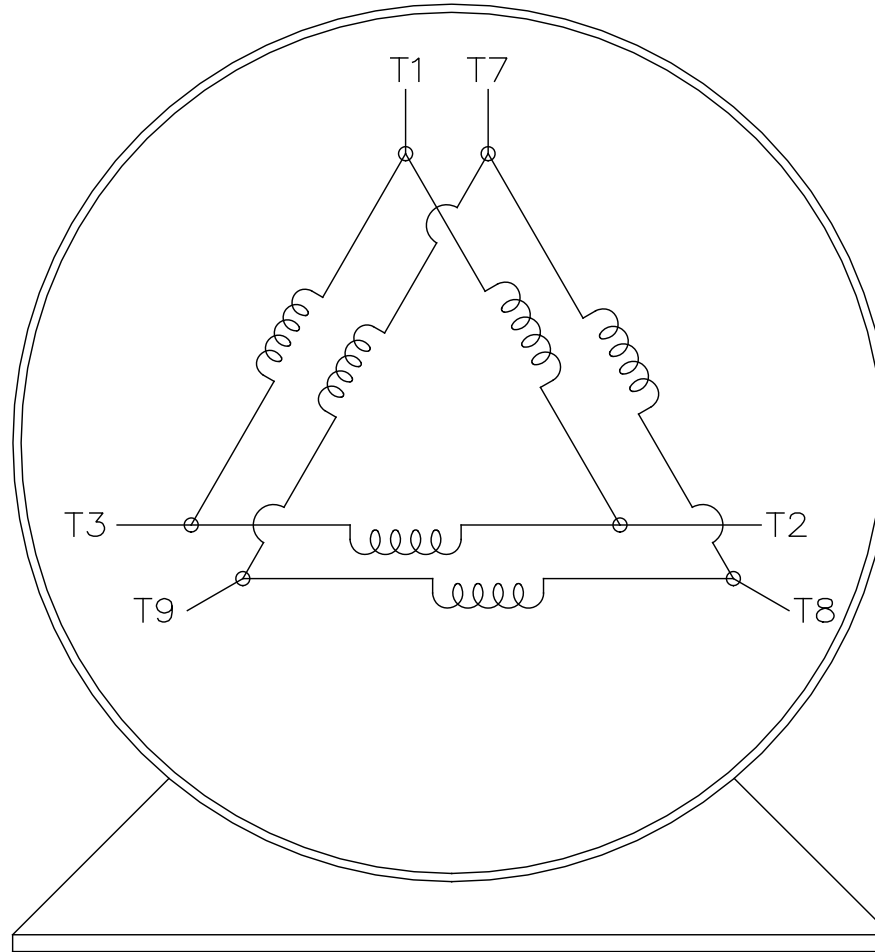
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

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 - BELOIT CORPORATION	DRAWN BLR 03-09-1998				
				DEC.	INCHES		CHK ML 03-23-1998				
				.X	± -		APPD GK 03-23-1998				
				.XX	± -		SCALE 1=1				
				.XXX	± -	TITLE	REF				
						CONNECTION DIAGRAM					
						3Ø – 6 LEADS					
D	RE-DRAWN WITH REGAL LOGO	ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH	PREV				
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#: 445TSTFCD6001 AA **WINDING#:** HE32802010 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
150&125	112&93	3600	3580&2980	445TS	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	164&167	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 95&94.5	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90&90	3/4 LOAD PF: 88	1/2 LOAD PF: 83	94.5	SQ CAGE INV RATED	43.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
220 LB-FT	1085	363 LB-FT 165	626 LB-FT 285	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	44 LB-FT^2	120 LB-FT^2	15 SEC.	2	2675 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	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6314	6314						

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

If Inverter equals NONE, contact factory for further information

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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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