

Crop Dryer Motors

Model No: 254TTDCD6327

Catalog No: Y316

Crop Dryer Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 254TZ Frame, DP

Product Information Packet: Model No: 254TTDCD6327, Catalog No: Y316 Crop Dryer Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 254TZ Frame, DP

Nameplate Specifications

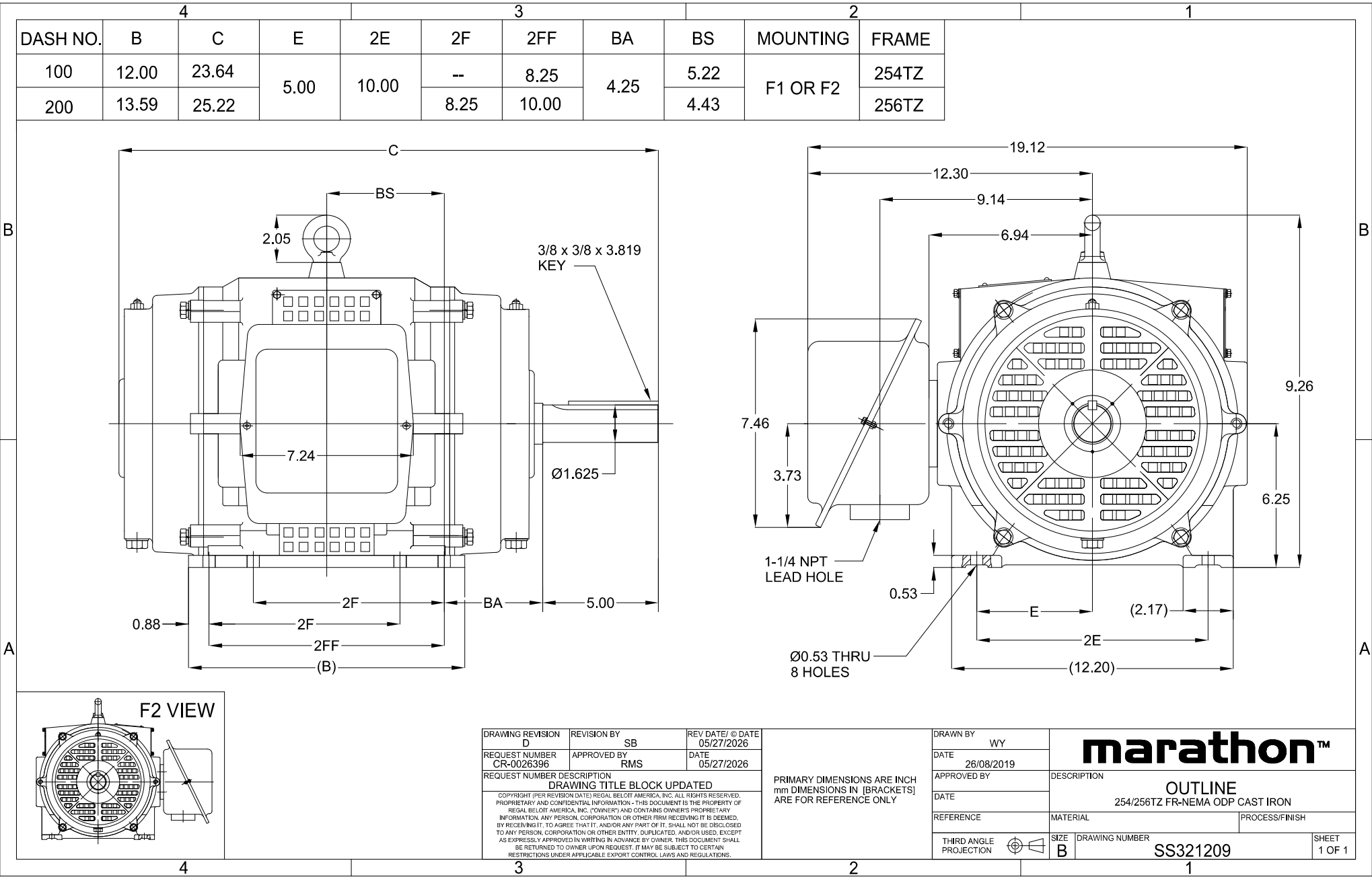
Phase	3	Output HP	15 & 10 Hp
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V
Speed	1774 & 1478 r/min	Synchronous RPM	1800 & 1500 r/min
Service Factor	1.15 & 1.15	Frame	254TZ
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	93 & 92.3 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	37.5/18.8 & 32/16 A
Power Factor	81	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	Y
IP Code	22	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.6729 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Single Special Extension	Assembly/Box Mounting	F1/F2 Capable

Drawings

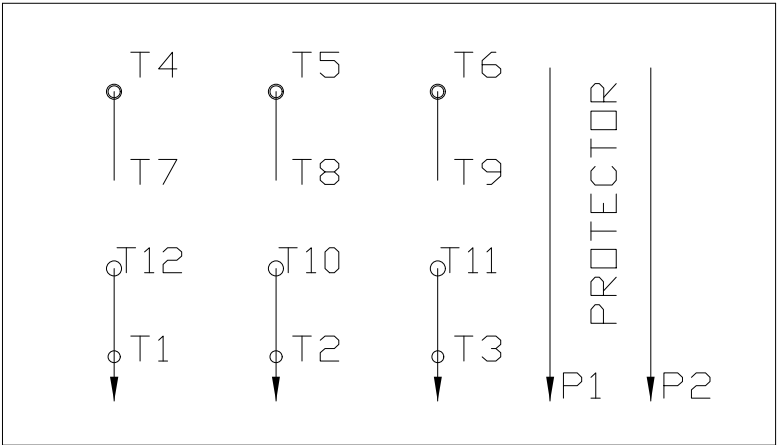
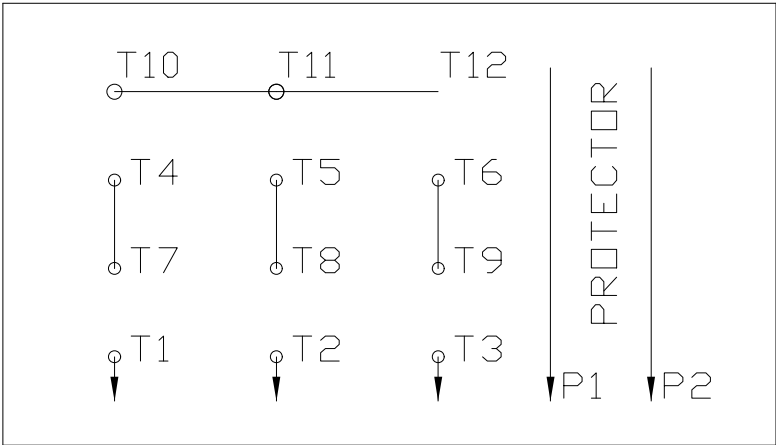
Connection Drawing	EE7358C	Outline Drawing	SS321209-100
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WYE START

HIGH VOLTAGE

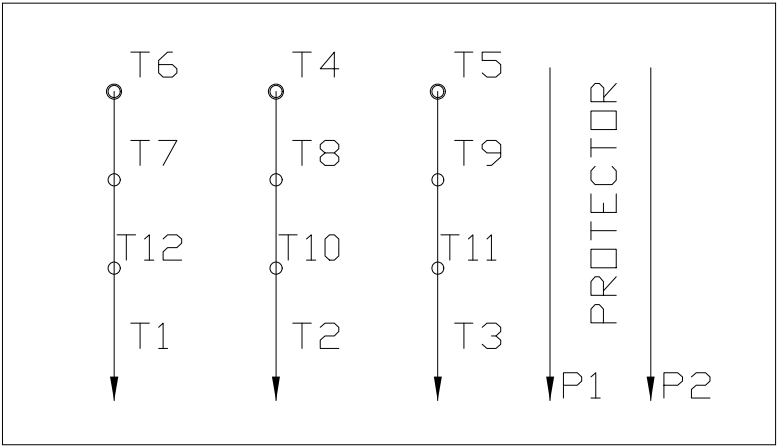
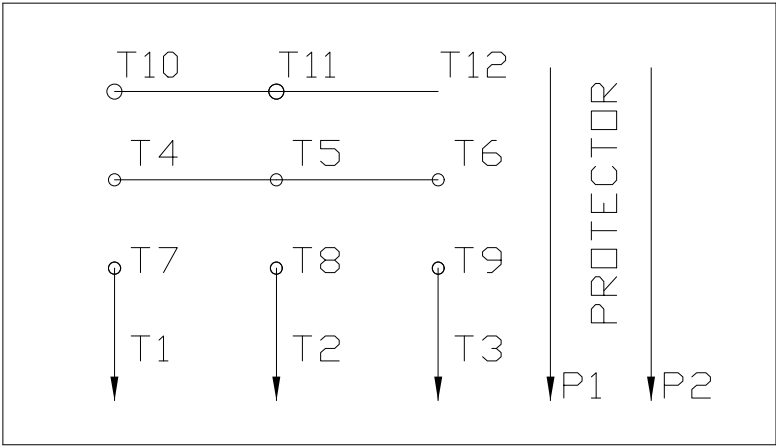
DELTA RUN



WYE START

LOW VOLTAGE

DELTA RUN



4/2 CKTY Δ

DRAWING REVISION C	REVISION BY SB	REV DATE/ © DATE 10/09/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY CAV	marathon™ CONN DIAGRAM				
REQUEST NUMBER CR-0024284	APPROVED BY RMS	DATE 10/09/2025		DATE 01/06/2002					
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED				APPROVED BY DD					
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				REFERENCE	MATERIAL		PROCESS/FINISH		
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7358C		SHEET 1 OF 1
						4 of 5			



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7358C
OUTLINE: SS321209-100
WINDING: HA31604021 NONE 2
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 254TTDCD6327
CAT #: Y316
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE
FAN: 504205B

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	1800	1774	254TZ	DP	TDB	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	37.5/18.8&32/16	WYE START DELTA RUN	CONT	F	1.15	40	3300

F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	92.4	GTD EFF	92.4	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	81.0	3/4 LD PF	75.5	1/2 LD PF	64.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
44.4 LB-FT	115	91.0 LB-FT 205%	119 LB-FT 268%	40

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
74 dBA	83 dBA	2.30 LB-FT²	90 LB-FT²	20 SEC.	2	332 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	YES	RODENT	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	SGL SPL EXT	1.625 x 5.00 IN SEK	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6309 6208						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.412	0.234	1.344	1.453	30.467	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
		ENCODER: NONE NONE NONE
		NONE PPR

PREPARED BY:	BRAKE: NONE NONE	NONE
DATE: 11/18/2022	FT-LB: NA	
	VOLTAGE: NONE	HZ:

FORM: 3531 REV_4 2/27/06

UL: V - LI,ME-INS,CONST UL REC