PRODUCT INFORMATION PACKET

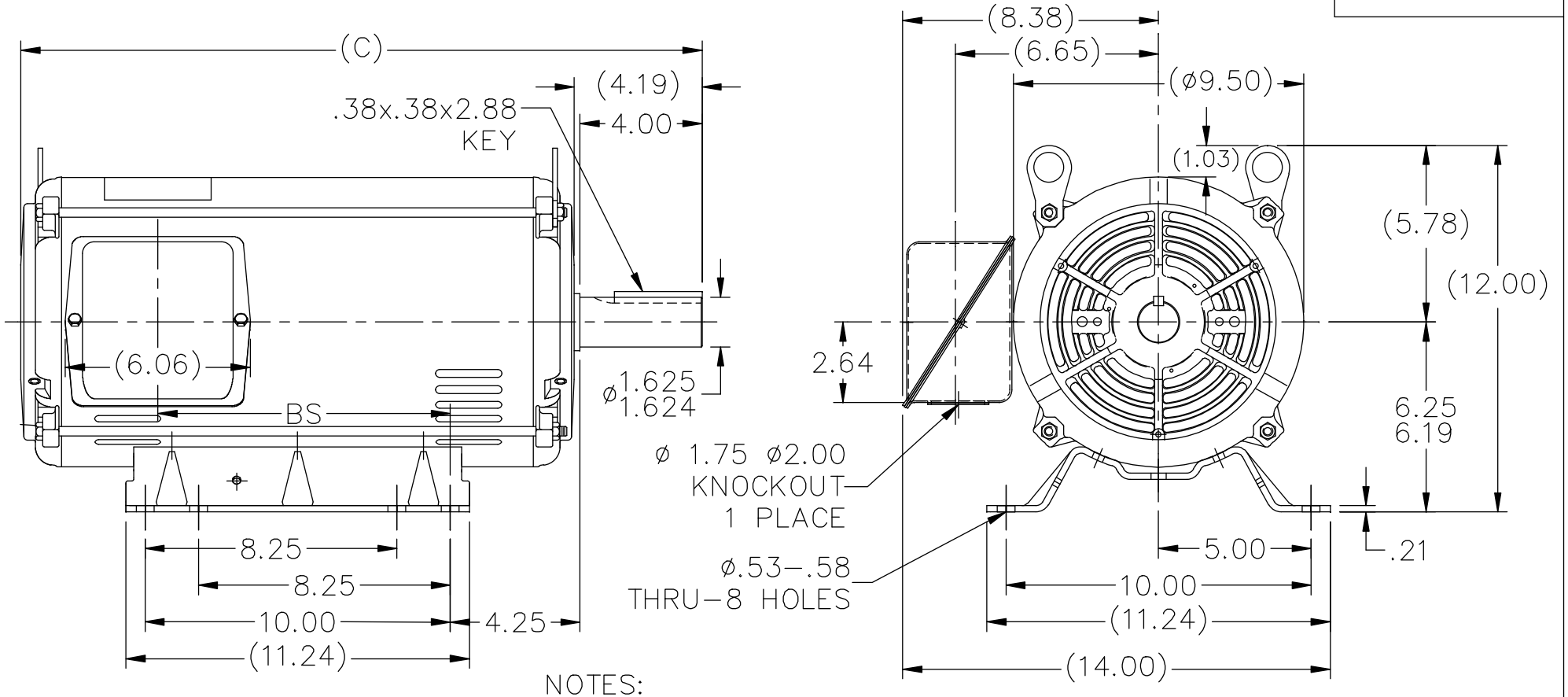
Model No: 254TTDX7208
Catalog No: Y418
7 1/2/3 1/3,1755/1175,DP,254T,3/60/60/460#460
Other Purpose

Nameplate Specifications

Output HP	**7.50,3.33 Hp**	Output KW	**5.6 kW**
Frequency	**60 Hz**	Voltage	**460 V**
Current	**10,5.6 A**	Speed	**1755,1175 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**84 %**	Duty	**Continous**
Insulation Class	**B**	Design Code	**2VT**
KVA Code	**H**	Frame	**254T**
Enclosure	**Drip Proof**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**12**		

Technical Specifications

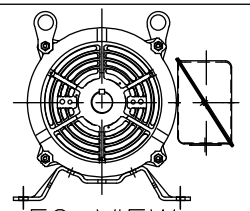
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4//6**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**Horizontal**
Drive End Bearing	**Ball**	Opp Drive End Bearing	**Ball**
Frame Material	**Rolled Steel**	Shaft Type	**T**
Overall Length	**20.57 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**4.19 in**	Assembly/Box Mounting	**F1/F2 Capable**
Outline Drawing	**A-SS86503-1370**	Connection Diagram	**A-EE7317**



NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
4. F2 MOUNT –USES 2ND HOLE ON 1370 FRAME.

DASH	FR.	C	BS	MOUNTING
1370	254T	20.57	7.68	F1 OR F2
1545	254T/256T	22.32	9.43	F1 OR F2



NO.	REVISION	BY & DATE	CHK
8	ADDED F2 VIEW	UD 11/13/13	GR
7	UPDATED DRAWING	TJW 04/27/2007	
6	REDRAWN IN AUTOCAD	TAT 05-19-2005	ML
5	UPDATED CONDUIT BOX CN 28427	TJB 01-31-2000	
4	ADDED NOTE #4 FOR F2 MOUNT CN 24000-581	MH 06-10-1997	
3	DASH 1545 WAS FOR 256T FR. ONLY CN 18683	KL 09-12-1994	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

DRAWN	SMC 04-22-1993
CHK	MOL 04-23-1993
APPD	DRN 09-13-1993
SCALE	1=5
REF	
FMF	
PREV	

TITLE OUTLINE
250 FR. – BB – DR.PR.

MAT'L.

FINISH

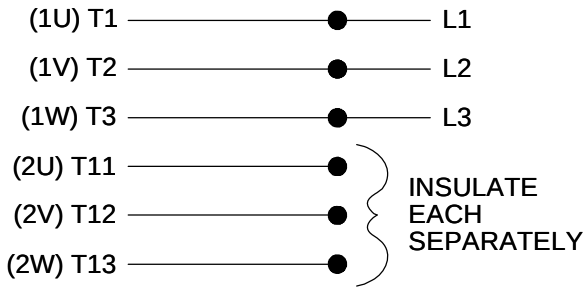
CAD FILE ss86503

RFP

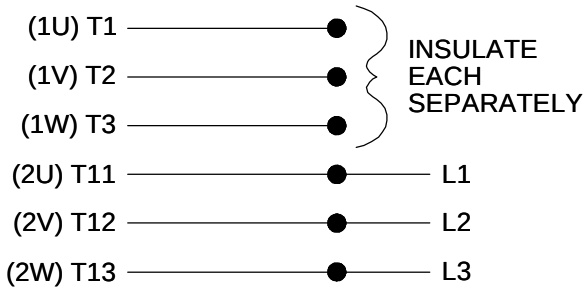
DIST LB

SIZE	DRAWING NO.	PAGE	OF	REV.
A	SS86503			8

LOW SPEED

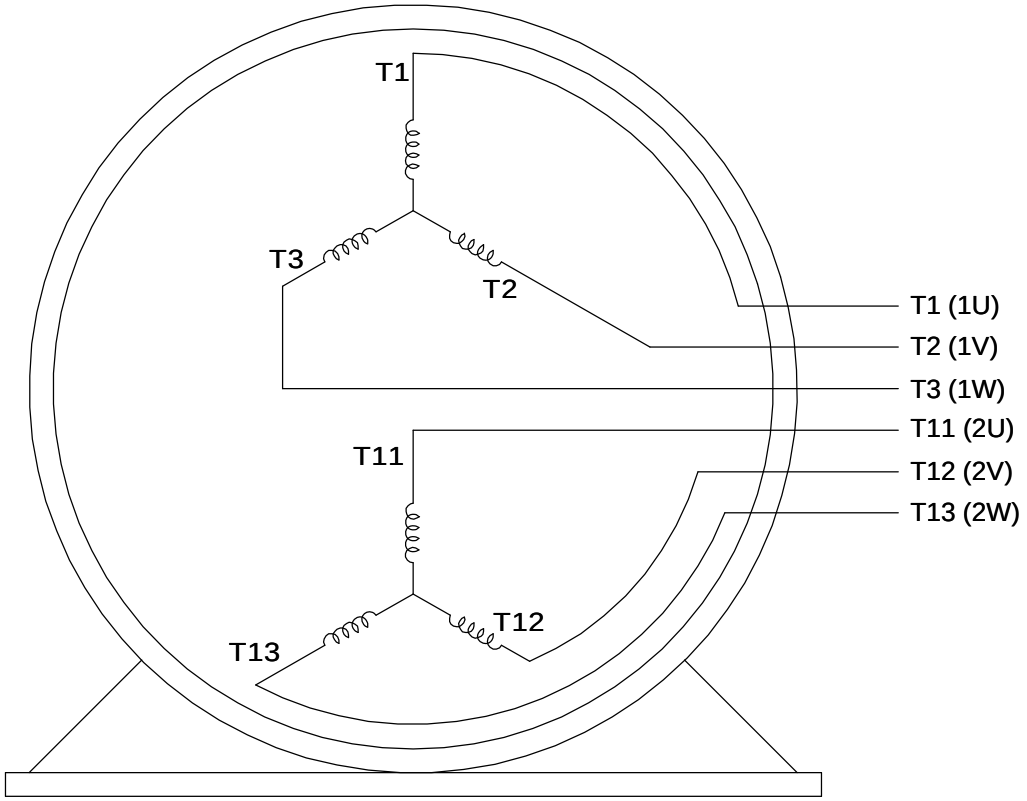


HIGHSPEED



TO REVERSE ROTATION ON EITHER SPEED: INTERCHANGE ANY 2 LEADS ON THE WINDING IN USE.

THREE PHASE, SINGLE VOLT, 6 LEAD 2 SPEED REVERSIBLE MOTOR



VIEW OF TERMINAL END

DRAWING REVISION: C	REVISION BY: JJB	DATE: 10-25-2017	DRAWN BY: LZ	Regal Beloit America, Inc.
ECO: ECO-0132917	APPROVED BY: TLB	DATE: 10-30-2017	DATE: 01-05-1994	
ECO DESCRIPTION: REVISED PER ECO & UPDATED TO STANDARDS			APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-INTERNAL, 3 PHASE - SINGLE - 2 SPEED REVERSIBLE
			DATE: 01-17-1994	
			REFERENCE	MATERIAL / PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE: A; DRAWING NUMBER: EE7317; SHEET: 1 OF 1

CERTIFICATION DATA SHEET

Model#:	254TTDX7208 AB	**WINDING#:**	215(4-6)34 NONE 2
CONN. DIAGRAM:	A-EE7317	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	A-SS86503-1370		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&3 1/3	5.6&2.48	1200	1755&1175	254T	DP	H	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	10&5.6	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 84&77.5	3/4 LOAD EFF: 77.5	1/2 LOAD EFF: 74.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 82.9&70	**3/4 LOAD PF: 59.5**	**1/2 LOAD PF: 46**	73	SQ CAGE IND RUN	4.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.8 LB-FT	33.5	31 LB-FT 209	46.2 LB-FT 312	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
64 dBA	74 dBA	0.7 LB-FT^2	- LB-FT^2	- SEC.	-	100 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	NONE	FALSE	NONE	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6309	BALL 6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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
NONE FT-LB NONE V NONE Hz

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FORM 3531 REV.3 02/07/99
** Subject to change without notice.