

Multispeed Motors

Model No: 256TTDX7207

Catalog No: Y492

Multispeed Motor, 15 & 3.75 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 256T Frame, DP

Product Information Packet: Model No: 256TTDX7207, Catalog No: Y492 Multispeed Motor, 15 & 3.75 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 256T Frame, DP

Nameplate Specifications

Phase	3	Output HP	15 & 3.75 Hp
Output KW	11.2 & 2.8 kW	Voltage	460 & 460 V
Speed	1760 & 875 r/min	Synchronous RPM	1800 & 900 r/min
Service Factor	1.15 & 1.15	Frame	256T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	87.5 & 84 %	Ambient Temperature	40 °C
Frequency	60 & 60 Hz	Current	18.4 & 6.1 A
Power Factor	87.1	Duty	Continuous
Insulation Class	B	Design Code	1VT
KVA Code	K	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	Y
IP Code	12	Number of Speeds	2

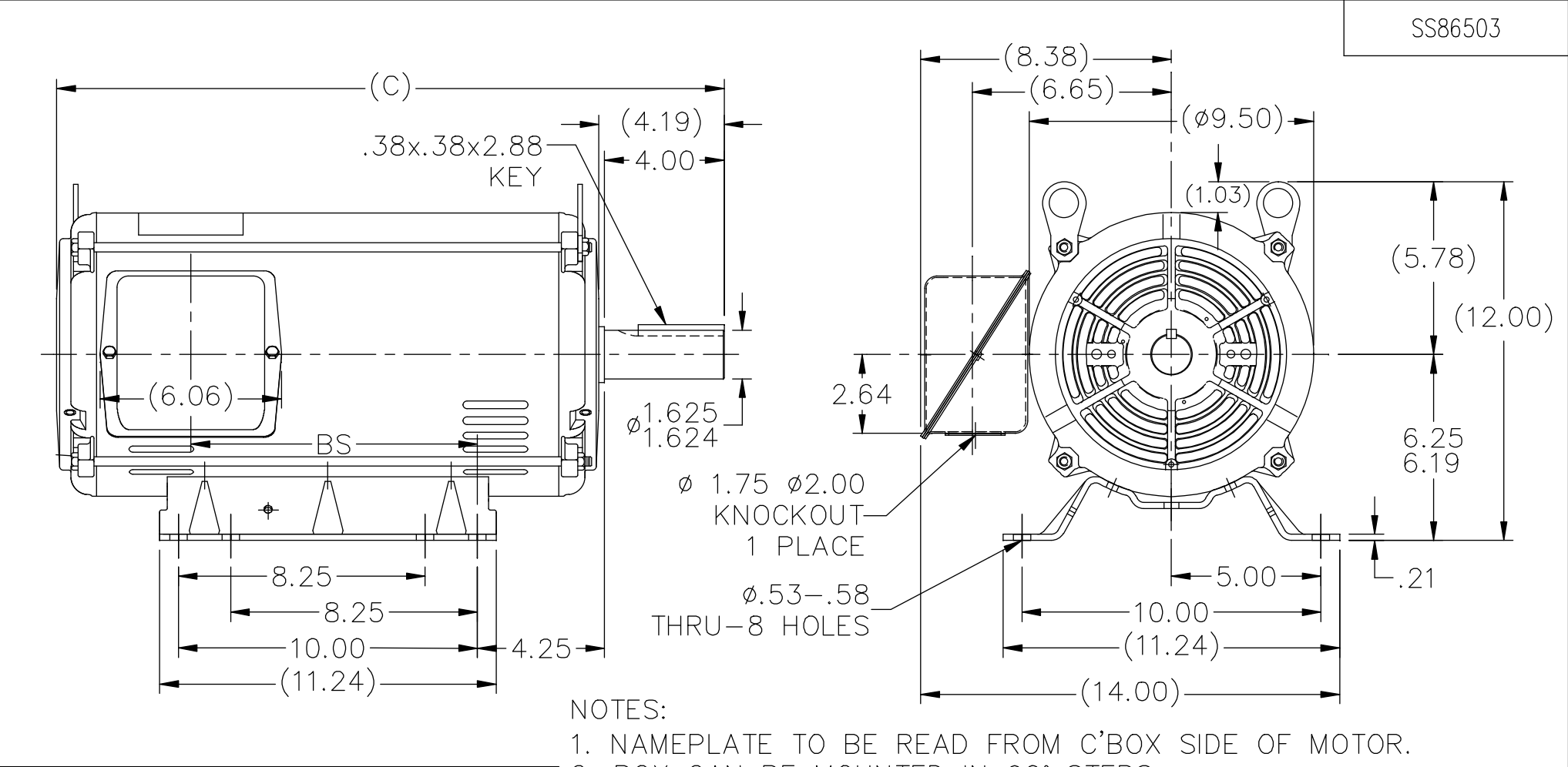
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4/8	Rotation	Reversible
Resistance Main	.71 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	22.32 in
Frame Length	15.45 in	Shaft Diameter	1 5/8 in
Shaft Extension	4.19 in	Assembly/Box Mounting	F1/F2 Capable

Drawings

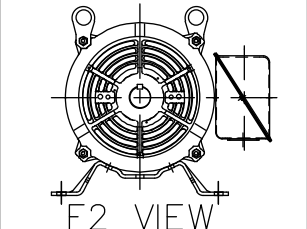
Connection Drawing	A-EE7322	Outline Drawing	A-SS86503-1545
--------------------	-----------------	-----------------	-----------------------

SS86503



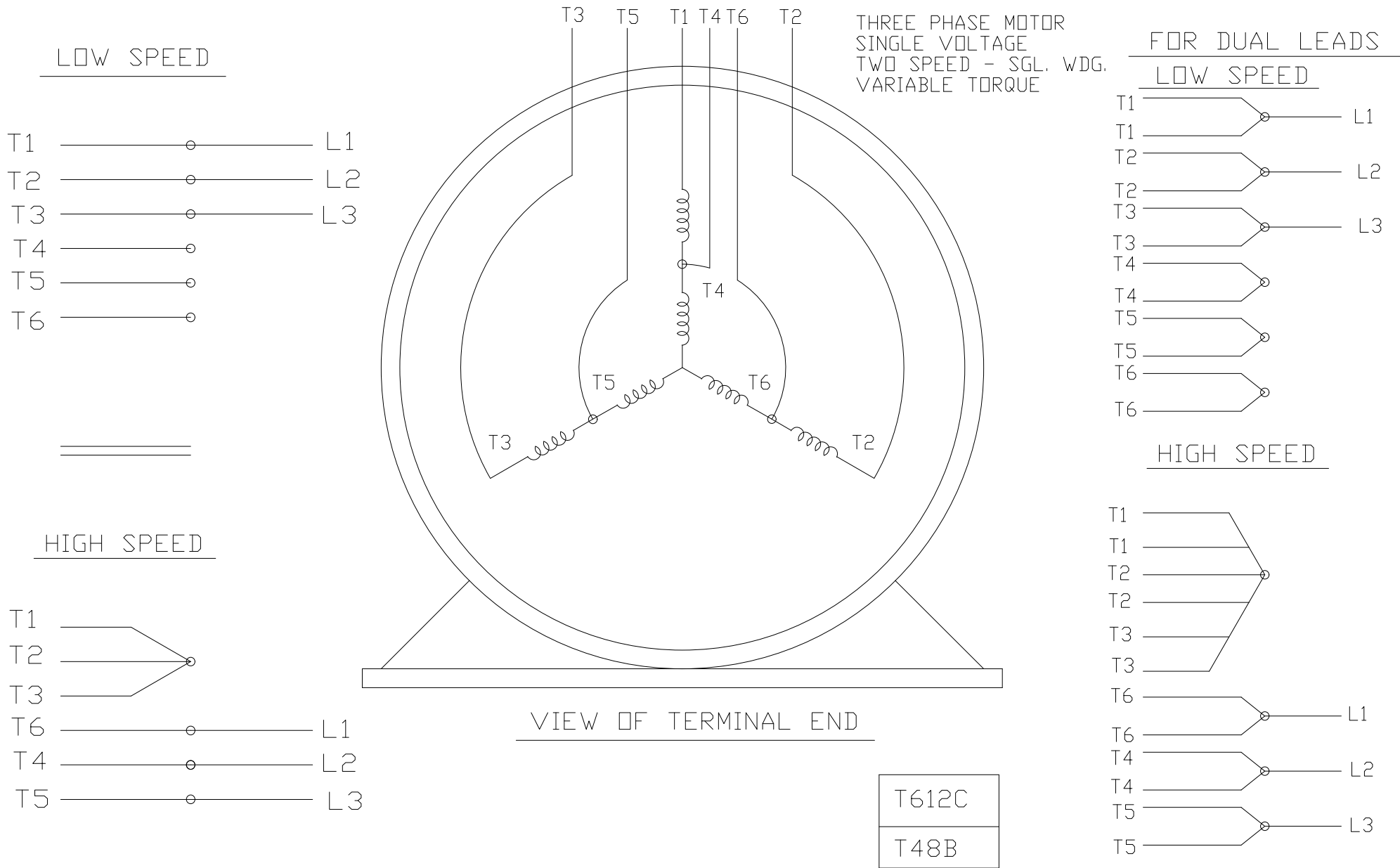
NOTES:

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.



F2 VIEW

8	ADDED F2 VIEW	UD 11/13/13	GR	TOLERANCES UNLESS SPECIFIED			DRAWN SMC 04-22-1993			
7	UPDATED DRAWING	TJW 04/27/2007		DEC.	INCHES		CHK MOL 04-23-1993			
6	REDRAWN IN AUTOCAD	TAT 05-19-2005	ML	.X	±.1		APPD DRN 09-13-1993			
5	UPDATED CONDUIT BOX CN 28427	TJB 01-31-2000		.XX	±.03		SCALE 1=5			
4	ADDED NOTE #4 FOR F2 MOUNT CN 24000-581	MH 06-10-1997		.XXX	±.005	TITLE OUTLINE 250 FR. - BB - DR.PR.			REF	
3	DASH 1545 WAS FOR 256T FR. ONLY CN 18683	KL 09-12-1994		.XXXX	±.0005	MAT'L.			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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 ss86503		SIZE	DRAWING NO. PAGE OF	REV.
			DIST LB					A	SS86503	



DRAWING REVISION C	REVISION BY SB	REV DATE/ © DATE 08/20/2025
REQUEST NUMBER CR-0023600	APPROVED BY SBD	DATE 08/20/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY PGK	
DATE 12/26/1996	
APPROVED BY TB	
DATE 01/07/1997	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™		
DESCRIPTION CONN DIAGRAM 3Ø - SINGLE VOLTAGE - 2 SPEED		
MATERIAL		PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7322	SHEET 1 OF 1
4 of 5		

CERTIFICATION DATA SHEET

Model#: 256TTDX7207 AB
 CONN. DIAGRAM: A-EE7322
 OUTLINE: A-SS86503-1545

WINDING#: 215(4-8)73 NONE 7
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&3 3/4	11.2&2.8	900	1760&875	256T	DP	K	1VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	18.4&6.1	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 87.5&84	3/4 LOAD EFF: 82.5	1/2 LOAD EFF: 80	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.1&60	3/4 LOAD PF: 52	1/2 LOAD PF: 39.5	80.8	SQ CAGE IND RUN	4.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
19.8 LB-FT	31	39 LB-FT 197	58.5 LB-FT 295	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
63 dBA	73 dBA	1.4 LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP 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	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6208						

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

*
N
O
T
E
S
*

DATE: 06/23/2017 06:38:22 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.