Severe Duty Motors

Model No: 824556.00
Catalog No: 824556.00

Severe Duty Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 254TV Frame, TEAO

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Product Information Packet: Model No: 824556.00, Catalog No: 824556.00 Severe Duty Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 254TV Frame, TEAO

Nameplate Specifications

Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1175 & 975 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.00**	Frame	**254TV**
Enclosure	**Totally Enclosed Air Over**	Thermal Protection	**No Protection**
Efficiency	**91 & 89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**19.8/9.9 & 17/8.5 A**
Power Factor	**78**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6210**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**56**	Number of Speeds	**1**

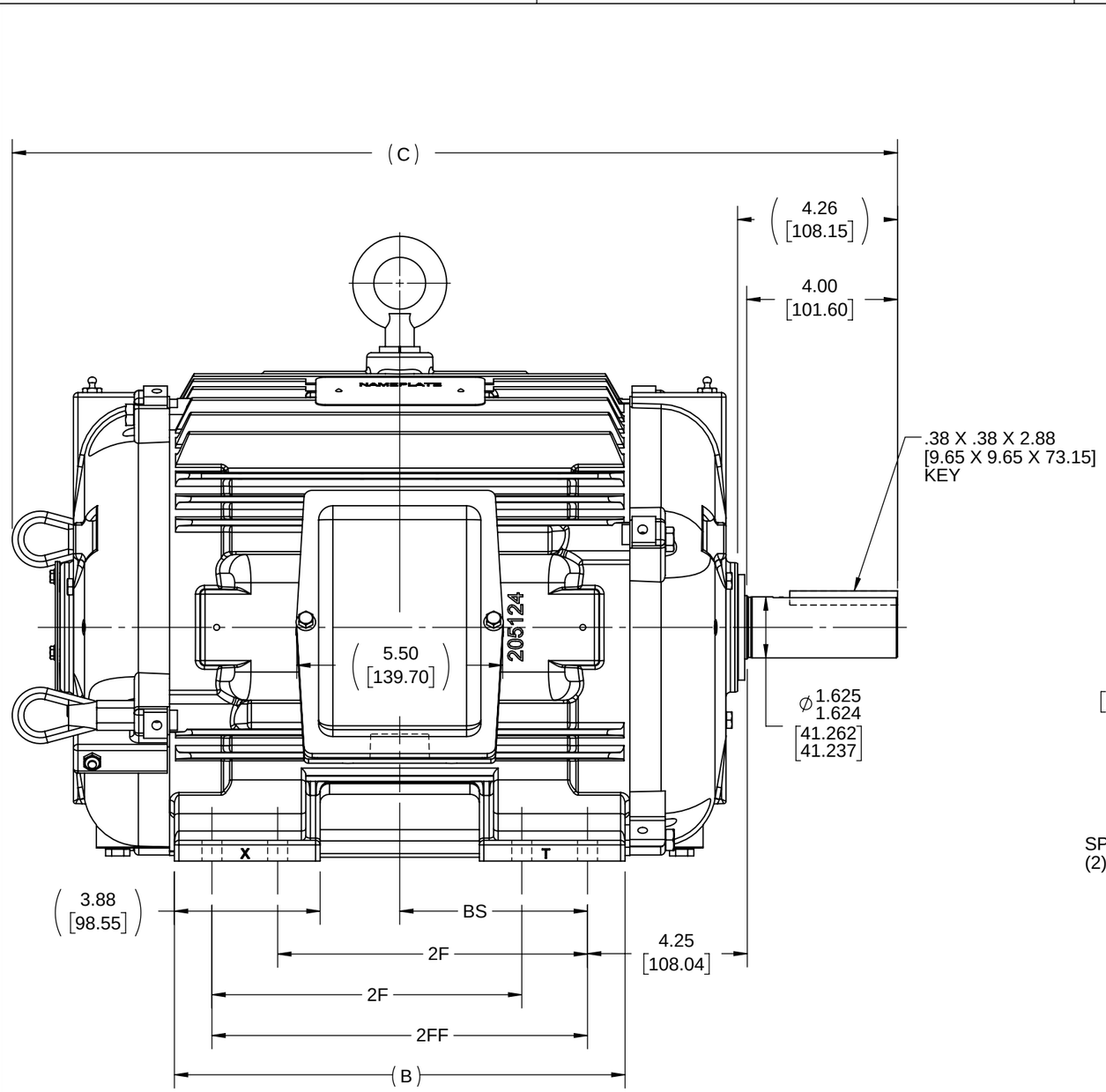
Technical Specifications

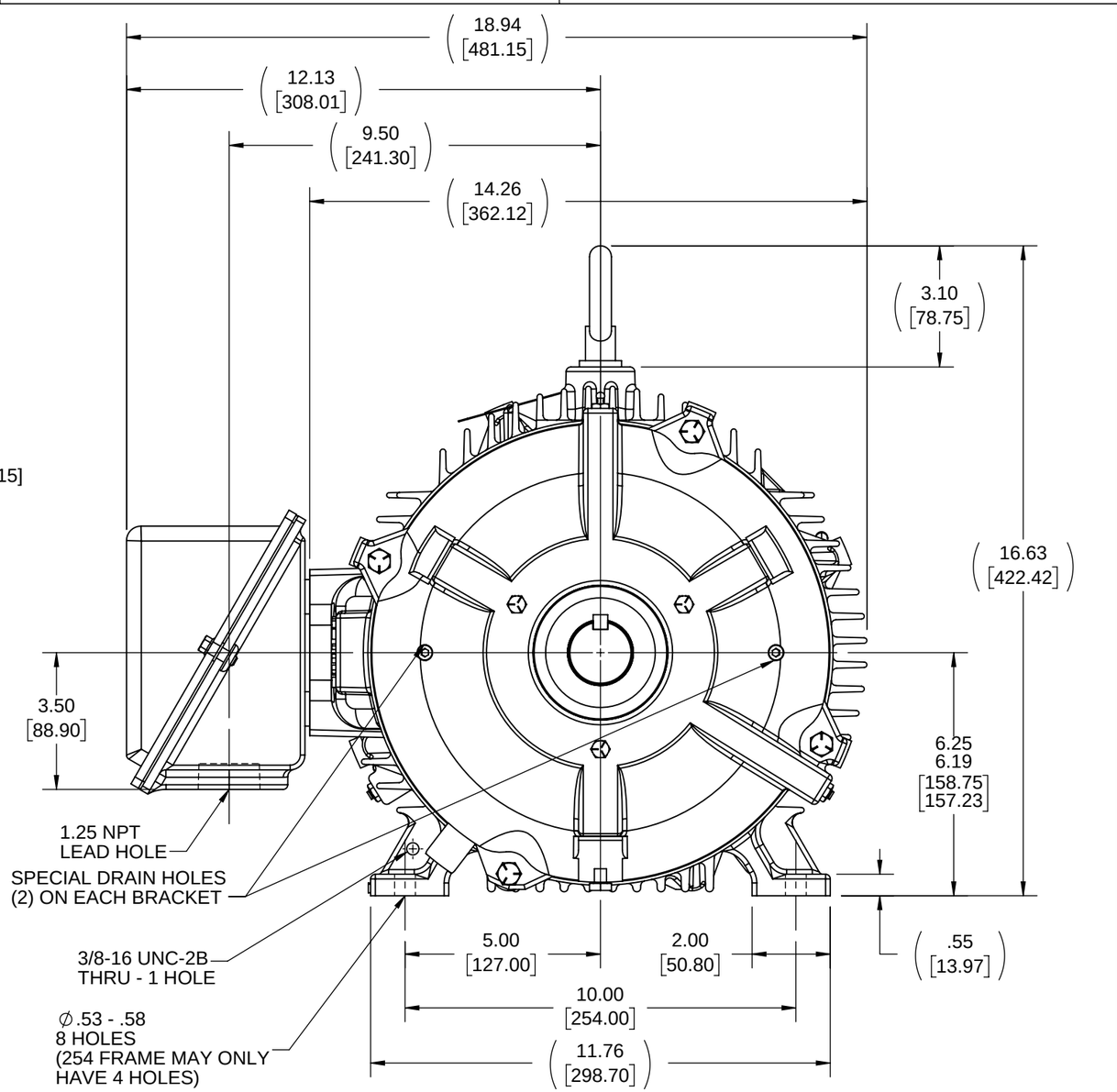
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**1.319 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal Or Up Or Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**24.32 in**
Frame Length	**10.5 in**	Shaft Diameter	**1 5/8 in**
Shaft Extension	**4 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 10:1**		

Drawings

Connection Drawing	**EE7308**	Outline Drawing	**SS208432-1050**

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NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
3. NAMEPLATE READ FROM CONDUIT BOX SIDE OF MOTOR

SPECIAL DRAIN HOLES BOTH BRACKETS

DASH	FRAME	C	B	2F	2FF	BS
1050	254T	21.82 [554.228]	10.50 [266.70]	------- -------	8.25 [209.55]	4.12 [104.65]
1225	256T	23.57 [598.678]	12.00 [304.80]	8.25 [209.55]	10.00 [254.00]	5.00 [127.00]

DRAWING REVISION: C	REVISION BY: SV	REV DATE/© DATE: 09/08/2026
REQUEST NUMBER: CR-0027601	APPROVED BY: RMS	DATE: 09/08/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±0.5°
.XX	±0.03	[±0.8]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY: W. JOERGER	marathon™
DATE: 03-23-2015	
APPROVED BY: E. HEIL	DESCRIPTION: OUTLINE
DATE: 03-23-2015	TEAO - HORIZ OR SHAFT UP/DOWN - 250T FR - INPRO SEAL RR
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS208432 / SHEET: 1 OF 1