

# PRODUCT INFORMATION PACKET

Model No: 326THFS9076

Catalog No: W569

Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 326T Frame, TEFC



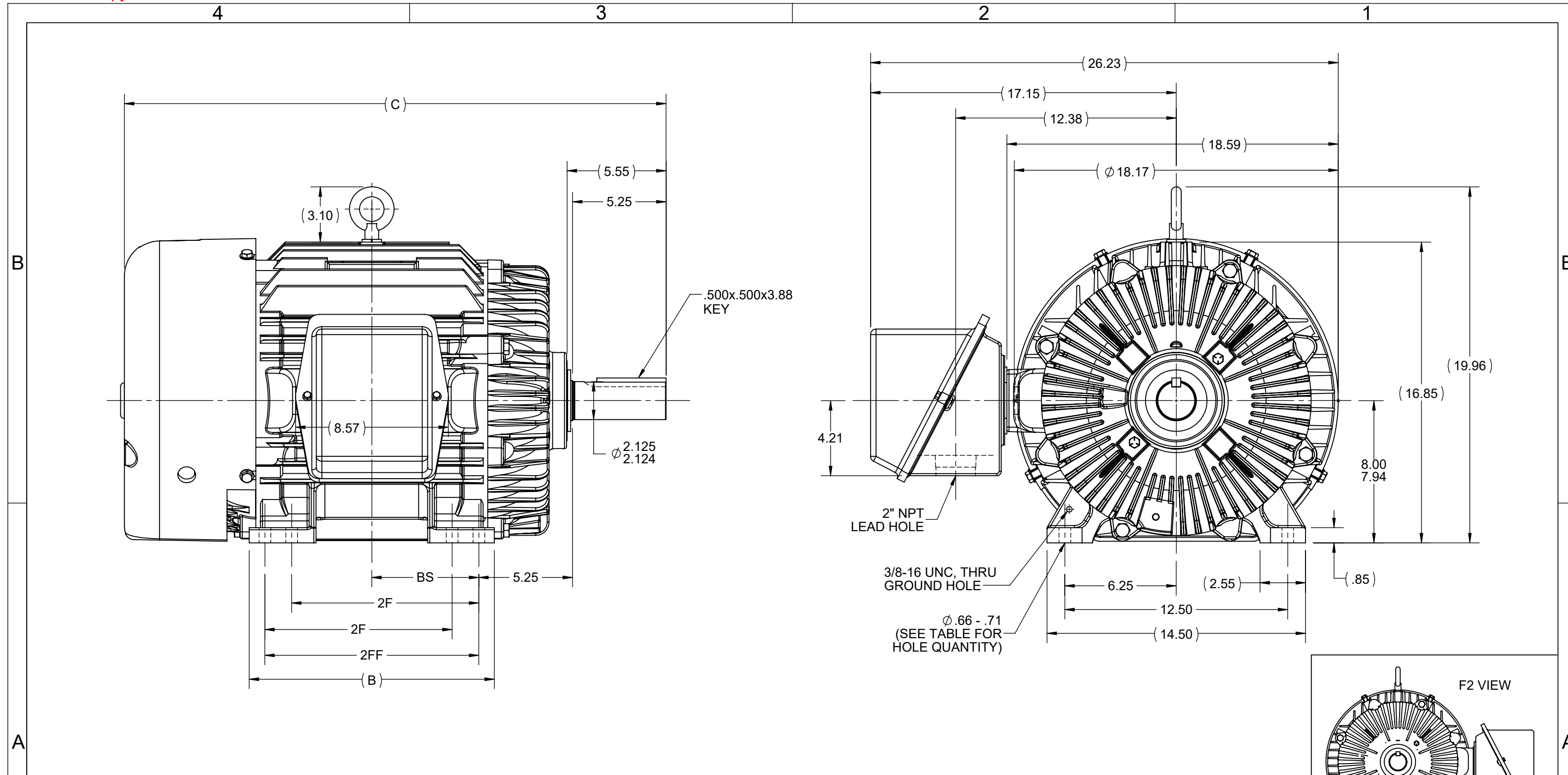
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### Nameplate Specifications

Output HP	<b>30 Hp</b>	Output KW	<b>22.4 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>460 V</b>
Current	<b>38.5 A</b>	Speed	<b>1182 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>93 %</b>	Power Factor	<b>79</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Frame	<b>326T</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6312</b>	Opp Drive End Bearing Size	<b>6311</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>56</b>
Hazardous Location	<b>DIVISION 2 T2B</b>	Number of Speeds	<b>1</b>

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.21 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>30.37 in</b>
Frame Length	<b>13.00 in</b>	Shaft Diameter	<b>2.125 in</b>
Shaft Extension	<b>5.5 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Inverter Load	<b>CONSTANT 2:1</b>		
Outline Drawing	<b>B-SS300575-1300</b>	Connection Drawing	<b>A-EE7300</b>



- 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 TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	BS	2F	2FF	--	MTG HOLES
1150	324T	28.87	13.00	5.25	--	10.50		4
1300	324/6T	30.37	13.75	6.00	10.50	12.00		8
1450	326T	31.87	15.00	6.75	12.00	13.50		8

DRAWING REVISION E	REVISION BY PB	REV DATE/© DATE 09/28/2022
REQUEST NUMBER NMR-0216516	APPROVED BY PB	DATE 09/28/2022
REQUEST NUMBER DESCRIPTION UPDATE THE FRAME & DWG. TEMPLATE		
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TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7° 30"
.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: 200  $\sqrt{\text{INCH}}$   $\sqrt{\text{mm}}$  5.1  
 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY MH
DATE 01-23-1998
APPROVED BY DD
DATE 01-26-1998
REFERENCE
THIRD ANGLE PROJECTION

**Regal Rexnord** Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
300T FR. - TEFC

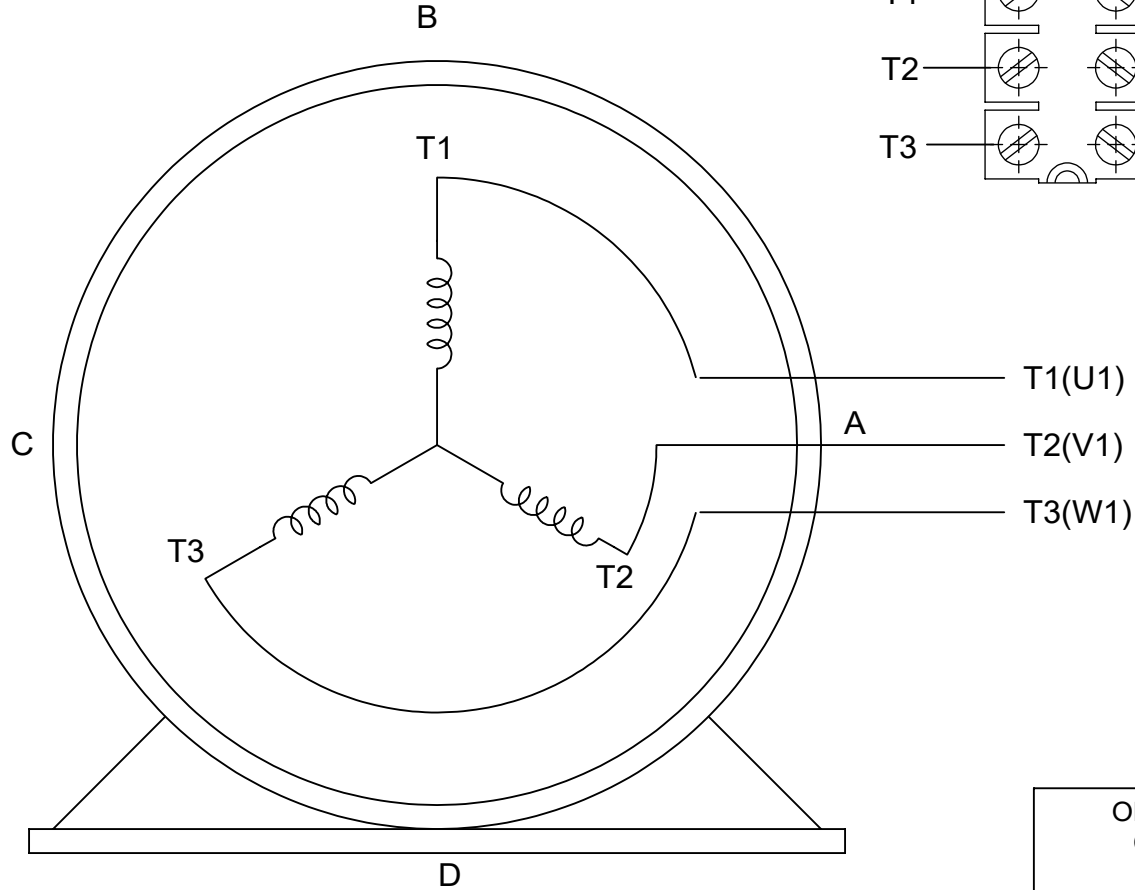
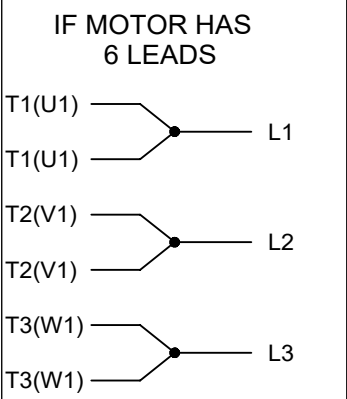
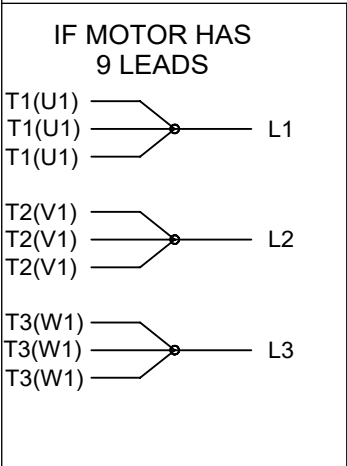
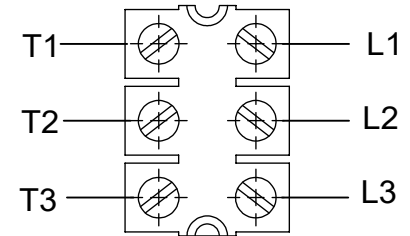
MATERIAL PROCESS/FINISH

SIZE **B** DRAWING NUMBER **SS300575** SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE  
MOTOR - CONDUIT BOX @ 'A'

TERMINAL BLOCK WHEN SPECIFIED

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO LINE  
LEAD CONNECTIONS



VIEW OF TERMINAL END

**OPTIONAL CORD CONNECTION**

L1	WHITE
L2	RED
L3	BLACK

A-9806 DECAL

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022
REQUEST NUMBER DESCRIPTION DRAWING UPDATED		
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PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

		Regal Beloit America, Inc.	
DESCRIPTION <b>CONNECTION DIAGRAM</b> EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR			
MATERIAL		PROCESS/FINISH	
SIZE <b>A</b>	DRAWING NUMBER <b>EE7300</b>		SHEET 1 OF 1



**Data Sheet**

Date: 16-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



326THFS9076

**Submittal**

Data @ 460 V

**Motor Load Data**

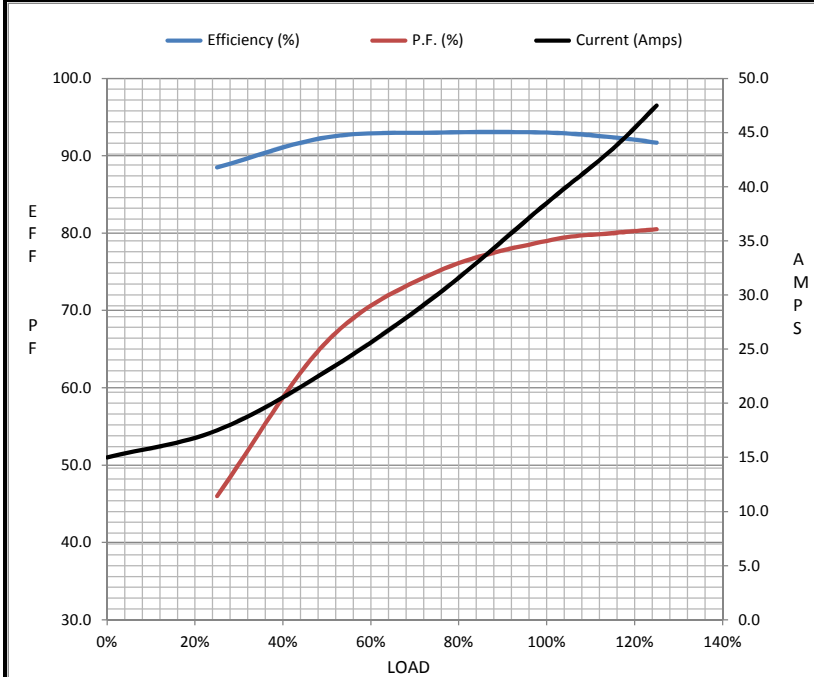
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	15.0	17.5	23.0	30.0	38.5	43.5	47.5	217
Torque (ft-lb)	0.00	33.0	66.0	100	134	154	168	200
RPM	1200	1195	1190	1185	1182	1,178	1175	0
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7	
P.F. (%)	5.0	46.0	66.0	75.0	79.0	80.0	80.5	30.0

**Motor Speed Data**

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	217	200	140	38.5	15.0
Torque (ft-lb)	200	175	375	134	0.00

**Information Block**

HP	30.0			
Sync. RPM	1200			
Frame	326			
Enclosure	TEFC			
Construction	TFN			
Voltage	460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	9.4 Lb-Ft <sup>2</sup>			
Ref Wdg	3266102 NONE			
Sound Pressure @ 1M	58 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS300575-1300			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1470	0.1210	0.9130	1.1540	16.2710



**Speed - Torque Curve**

