

PRODUCT INFORMATION PACKET

Model No: 286THDN14028
Catalog No: 286THDN14028
35,1800,DP,286TDZ,3/60/460

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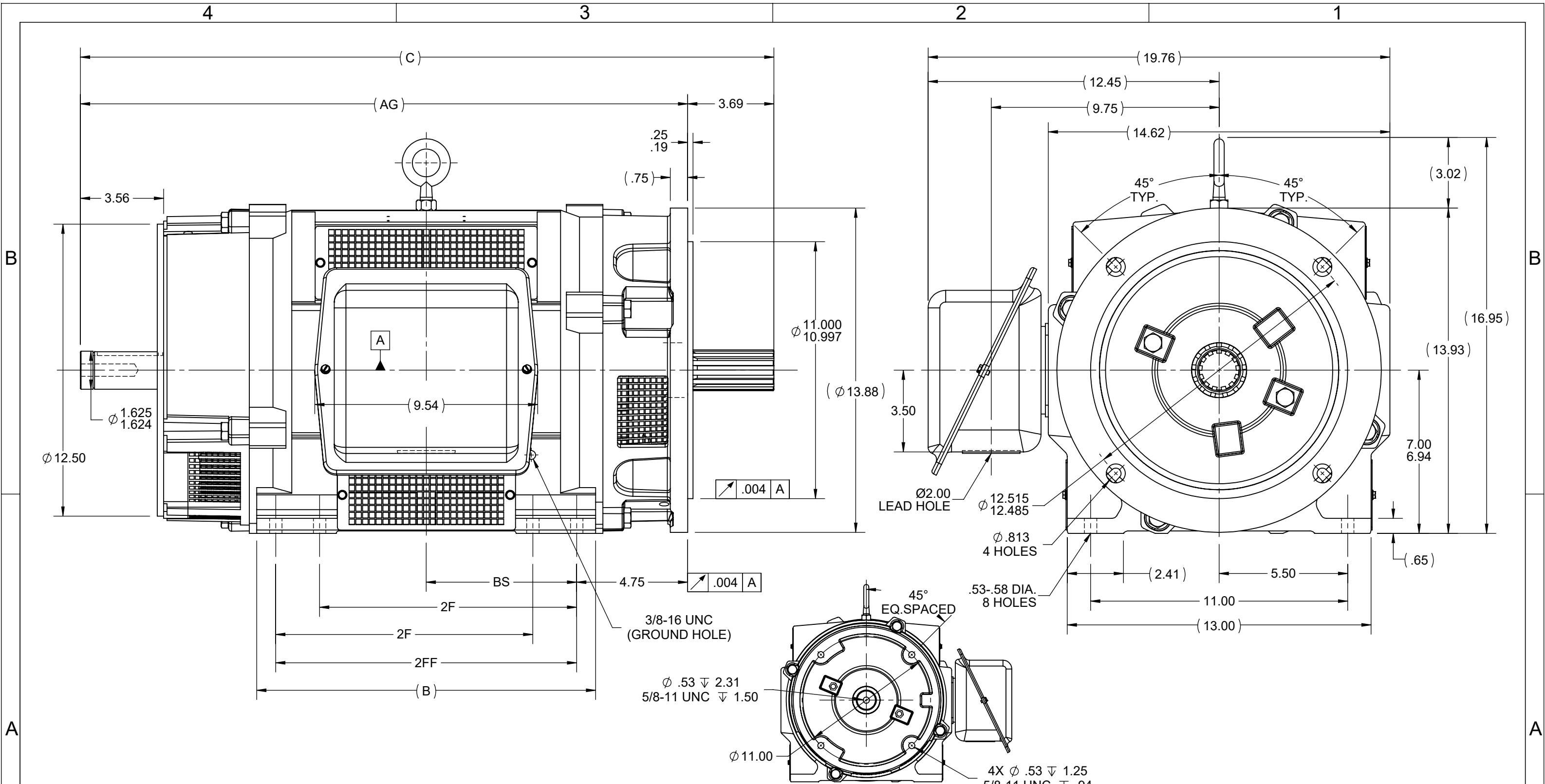
Nameplate Specifications

Output HP	35 Hp	Output KW	26.1 kW
Frequency	60 Hz	Voltage	460 V
Current	42.5 A	Speed	1775 rpm
Service Factor	1	Phase	3
Efficiency	94.5 %	Power Factor	82
Duty	30 Minute	Insulation Class	H
Design Code	B	KVA Code	K
Frame	286TDZ	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.166 Ohms	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
Inverter Load	CONSTANT 2:1		
Connection Drawing	EE7300	Outline Drawing	SS313065-1512

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NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	AG	B	2F	2FF	BS
1325	284TDZ	27.81	24.12	12.63	9.50	11.00	5.50
1512	286TDZ	29.68	25.99	14.50	11.00	12.88	6.44

DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	VS	08-28-2020
ECO	APPROVED BY	DATE
NMR-0216011	VS	08-28-2020
ECO DESCRIPTION		
VIEWS UPDATED		
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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 [0.08/.38] X 45°			
CORNER FILLETS: R.02 [5]			
MACHINED SURFACES: 200 INCH/mm 5.1			
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			

DRAWN BY	VS
DATE	12-13-2019
APPROVED BY	A.KEETHA
DATE	12-13-2019
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.			
DESCRIPTION			
OUTLINE			
280TDZ FR. - DR. PR. - D'FLANGE - BRAKE PROVISIONS			
MATERIAL		PROCESS/FINISH	
SIZE	B	DRAWING NUMBER	SS313065
SHEET			1 OF 1

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

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1)

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

T3(W1)

L3

IF MOTOR HAS 6 LEADS

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

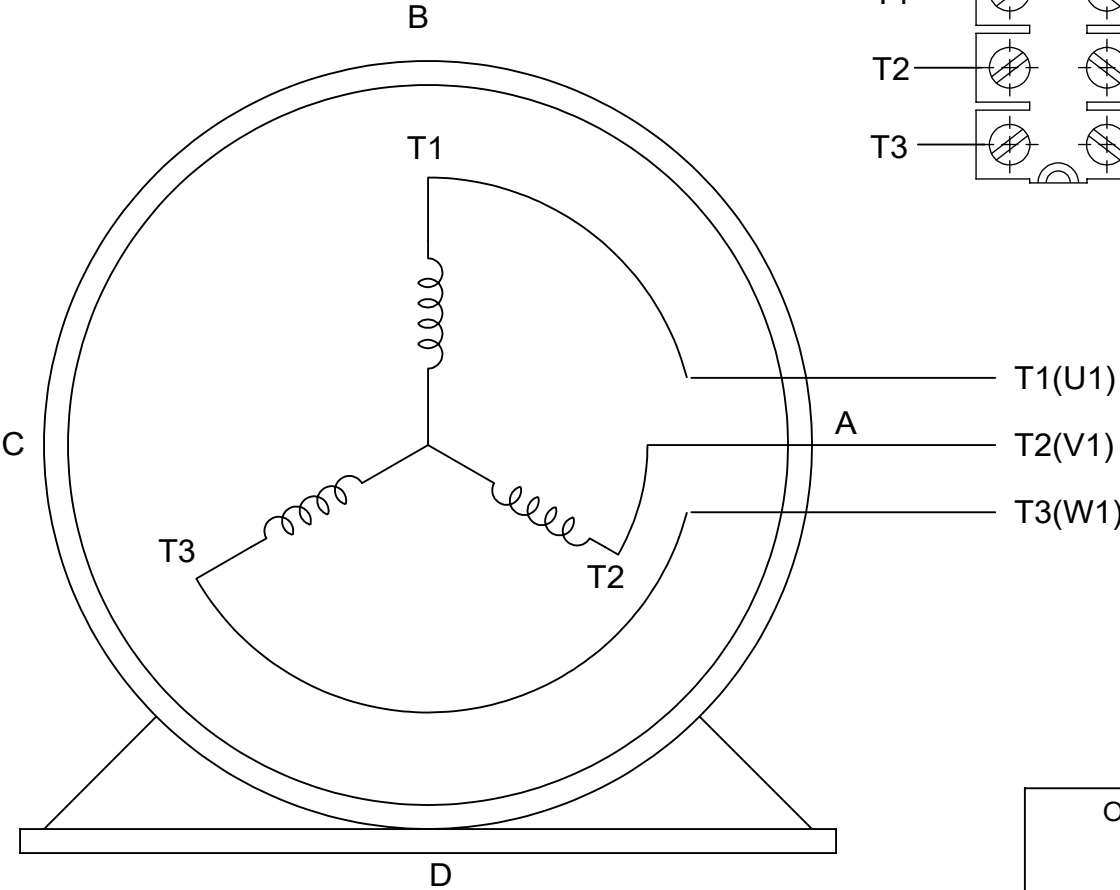
L2

T3(W1)

T3(W1)

L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

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 CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	