

PRODUCT INFORMATION PACKET



Model No: M316M2

Catalog No: M316M2

7.5/1.875 HP 2 speed General Purpose Motor, 3 phase, 1800/900 RPM, 460 V, 215T Frame, ODP
General Purpose Motors



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Nameplate Specifications

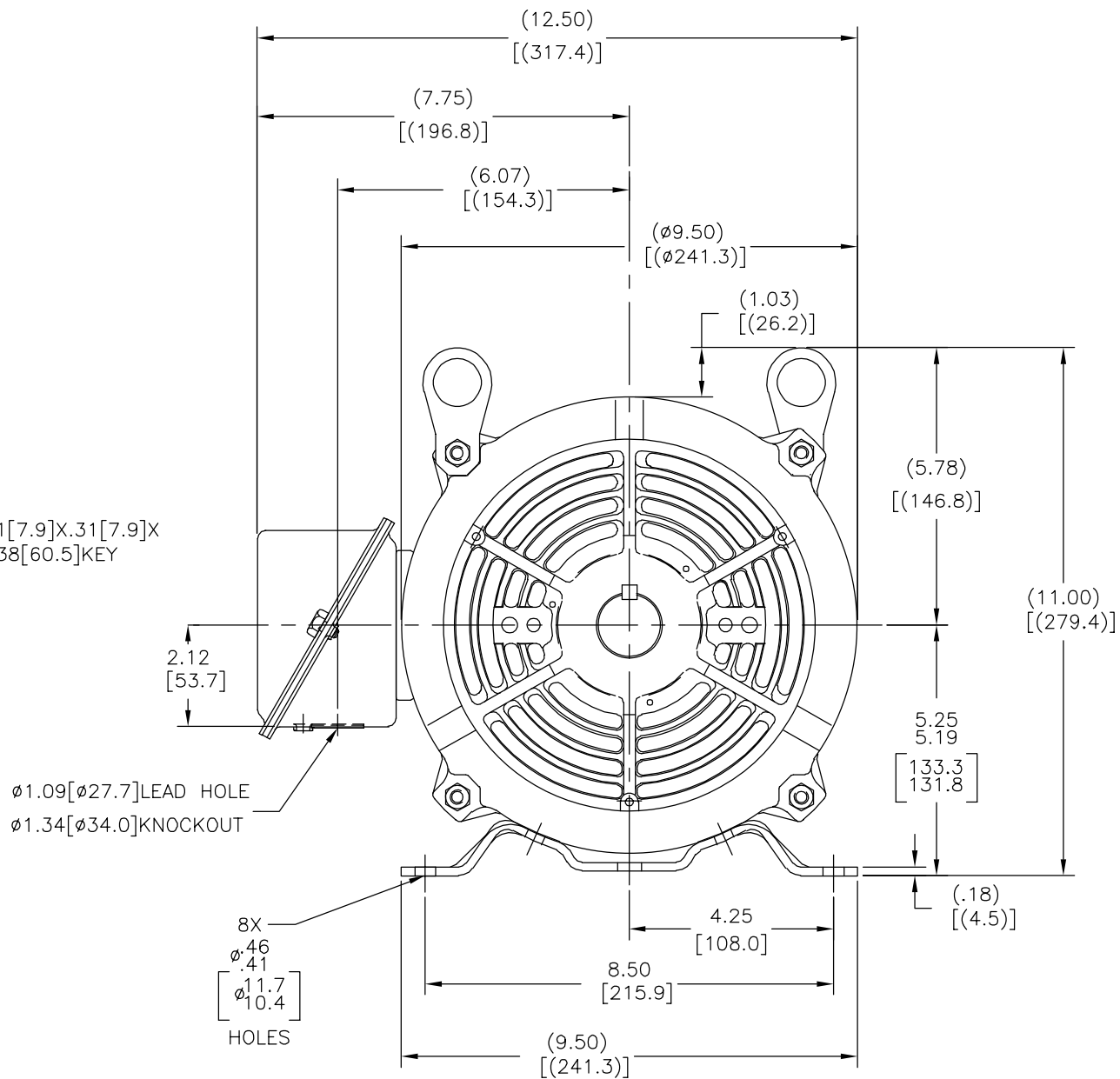
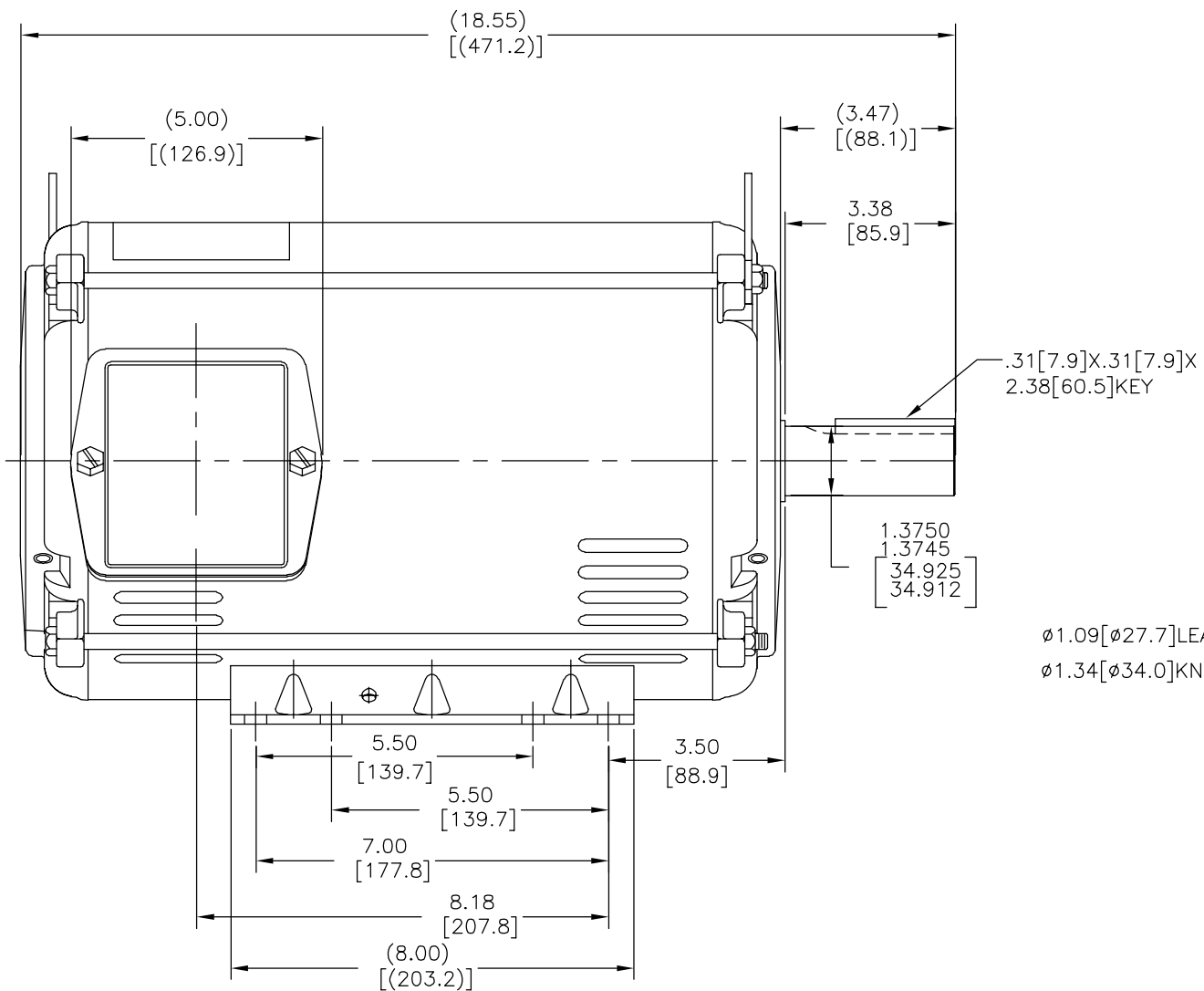
Output HP	7.5/1.875 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	460 V
Current	10.5/4.1 A	Speed	1765/880 rpm
Service Factor	1.15	Phase	3
Duty	Continuous	Insulation Class	F
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	Y	Number of Speeds	2

Technical Specifications

Electrical Type	Polyphase	Starting Method	Across The Line
Poles	4/ 8	Rotation	Reversible
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	18.55 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in		
Outline Drawing	SS86500CY-1240-S01	Connection Drawing	A-EE7317-CY

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REV	ECO	REV BY	DATE	APPD	DATE
A	0035621	M.AVILA	07-24-2013	J.ORTEGA	07-24-2013



NOTES:

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

GEOMETRIC CHARACTERISTICS & SYMBOLS
□ FLATNESS
— STRAIGHTNESS
∠ ANGULARITY
⊥ PERPENDICULARITY (SQUARENESS)
// PARALLELISM
○ ROUNDNESS (CIRCULARITY)
⌀ CYLINDRICITY
△ PROFILE OF ANY SURFACE
⌒ PROFILE OF ANY LINE
⌀ RUNOUT
⊕ TRUE POSITION
⊙ CONCENTRICITY
≡ SYMMETRY

ASME Y14.5M 1994

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:
INCH X XX XXX XXXX
mm ±.1 ±.02 ±.005 ±.0005
mm ±0.5 ±0.13 ±0.013
ANG. ±.50 DEG
REMOVE BURRS & BREAK SHARP EDGES:
INCH .003-.015 mm 0.1-0.4
CORNER FILLETS TO:
INCH .020 mm 0.5
MACHINE SURFACES:
INCH 125 mm 3.2
METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:

M.AVILA

07-24-2013

APPD:

D.JAMORA

07-24-2013

THIRD ANGLE PROJECTION



EDS DATE 11-11-2011
FORMAT REV H

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REGAL-BELOIT CORPORATION

DESCRIPTION

OUTLINE

SIZE

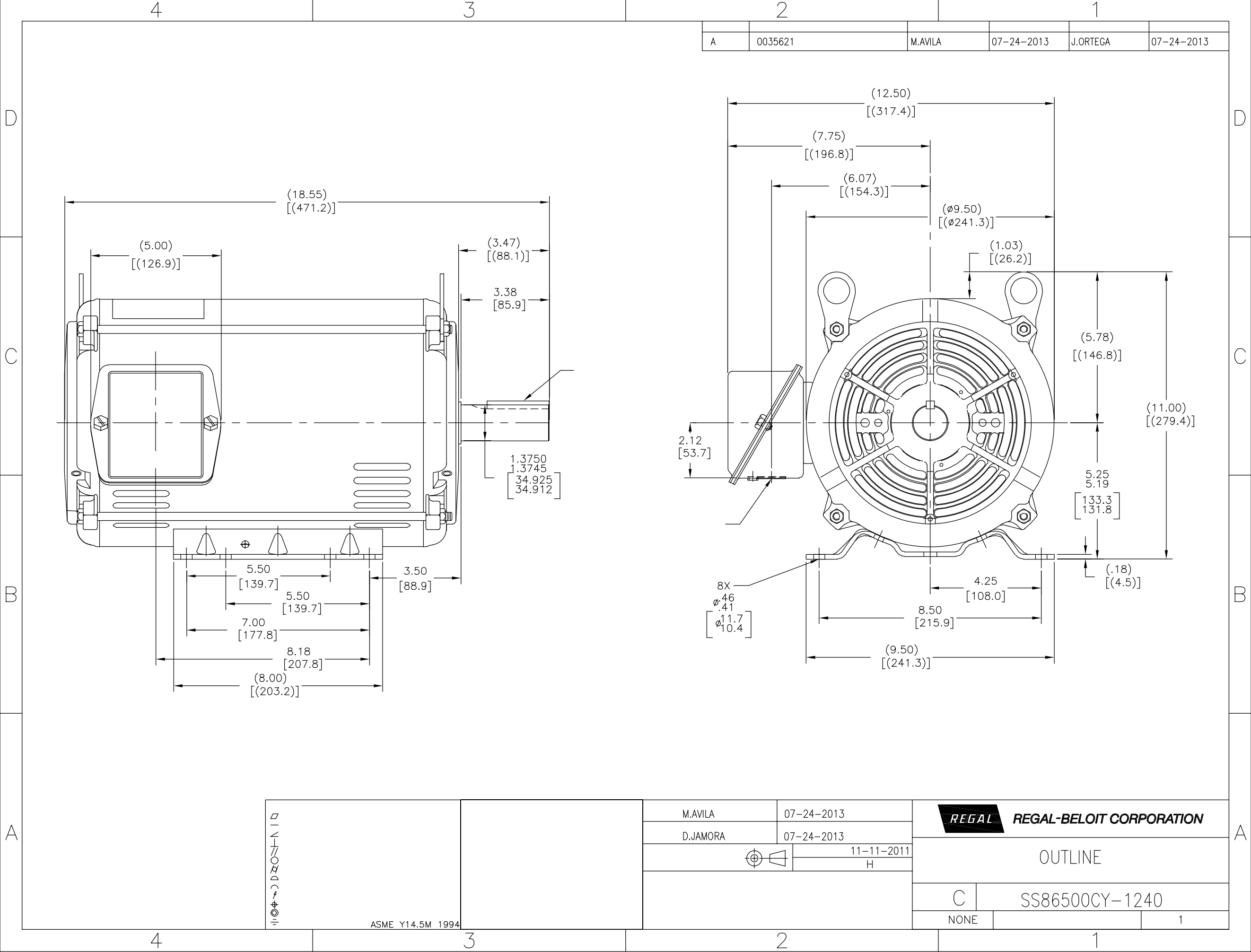
C




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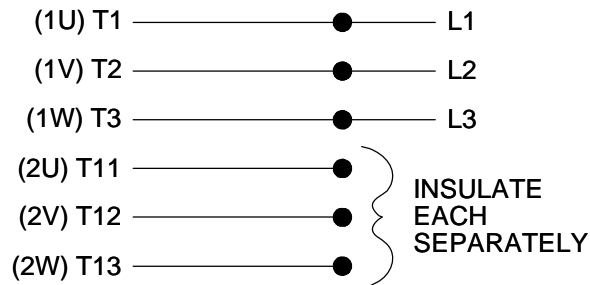
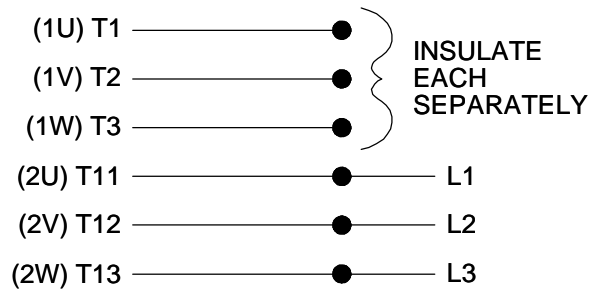
SS86500CY-1240

SCALE NONE

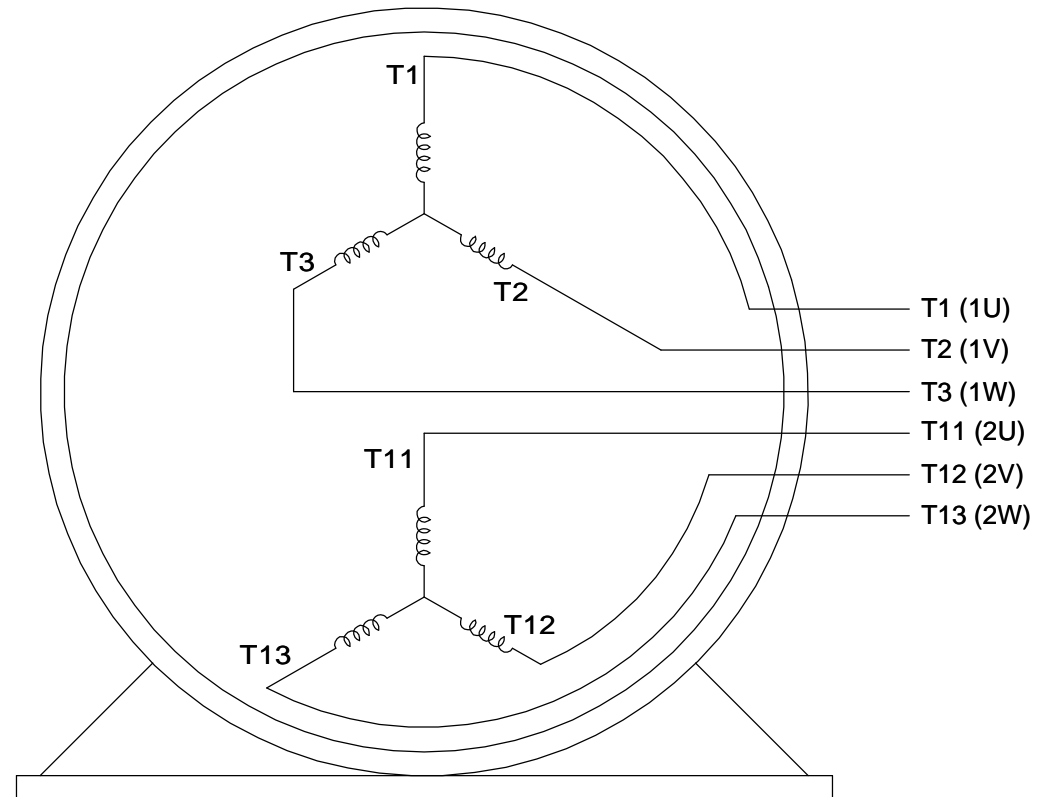
SHEET 1





		M.AVILA	07-24-2013	 REGAL-BELOIT CORPORATION		
		D.JAMORA	07-24-2013			
				11-11-2011	OUTLINE	
				H		
					C	SS86500CY-1240
			NONE		1	

LOW SPEEDHIGHSPEED

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

VIEW OF TERMINAL END

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

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	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - SINGLE - 2 SPEED REVERSIBLE			
ECO DESCRIPTION REVISED PER ECO & UPDATED TO STANDARDS				APPROVED BY GK				
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				REFERENCE	MATERIAL		PROCESS/FINISH	
			THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7317	SHEET 1 OF 1	