

PRODUCT INFORMATION PACKET



Model No: 970A
Catalog No: 970A

OEM Replacement Motor, 1/3 HP, 1 Ph, 60/50 Hz, 115/230 V, 1725/1425 RPM, 2 Speed, 48 Frame, TEAO



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Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	115/230 V
Speed	1725/1425 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60/50 Hz	Current	3.0/1.5 / 4.0/2.0 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Counterclockwise Lead End
Mounting	Yoke	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	9.30 in	Frame Length	5.50 in
Shaft Diameter	0.500 in	Shaft Extension	2.56 in
Outline Drawing	970A-S01	Connection Drawing	D0000313-010

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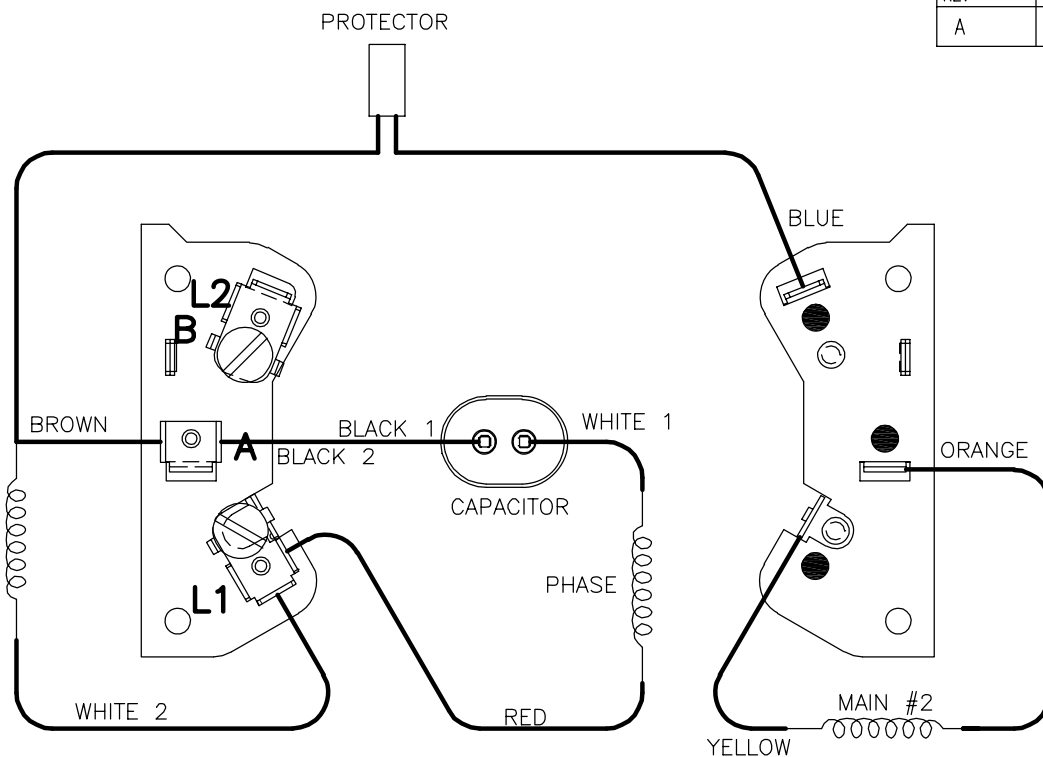
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REV	ECO	REV BY	DATE	APPD	DATE
A	ECO-0024063	jrupert	01-17-2012	jrupert	01-17-2012

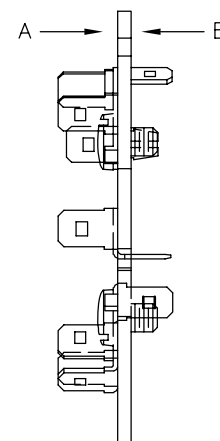
115 VOLTS

MAIN #1



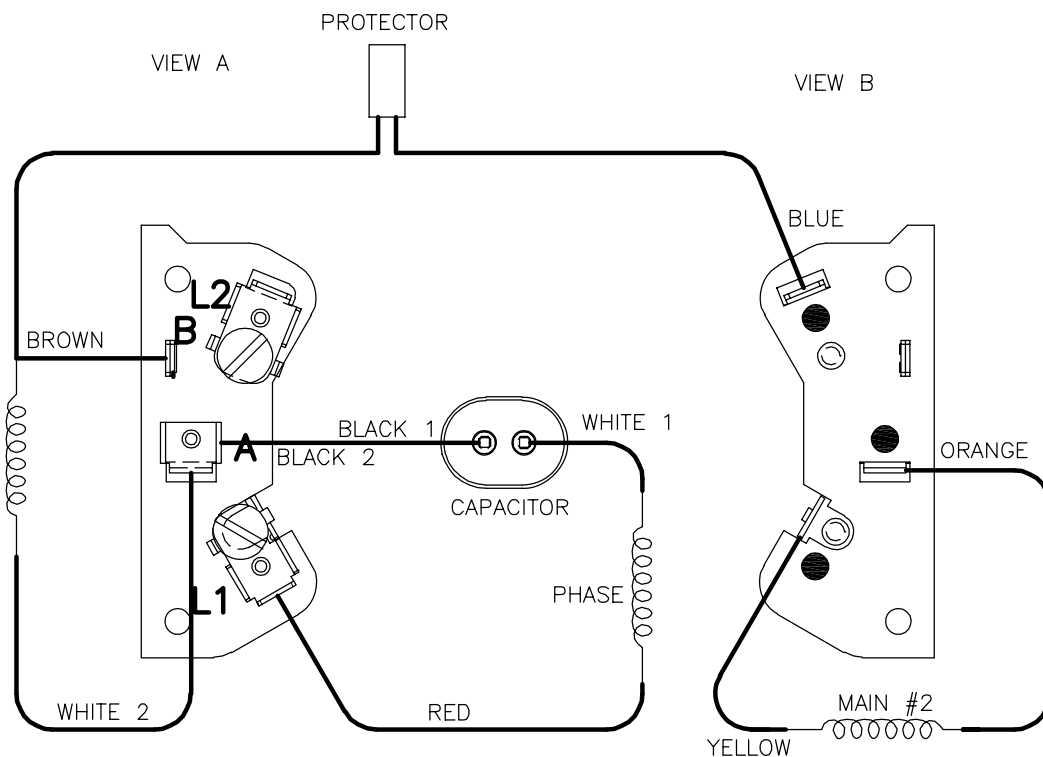
VIEW A

VIEW B



230 VOLTS

MAIN #1



NOTES:

1. WHEN CONNECTING ACCORDING TO THE DRAWING, THE ROTATION DIRECTION OF THE MOTOR IS CCWLE.

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
	±.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:

jrupert

01-17-2012

APPD:

jrupert

01-17-2012

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV G

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REGAL-BELOIT CORPORATION

DESCRIPTION

CONN DIAGRAM-EXTERNAL

SIZE

C

DWG NO

D0000313-010

SCALE

NONE

SHEET

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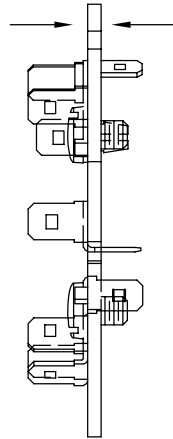
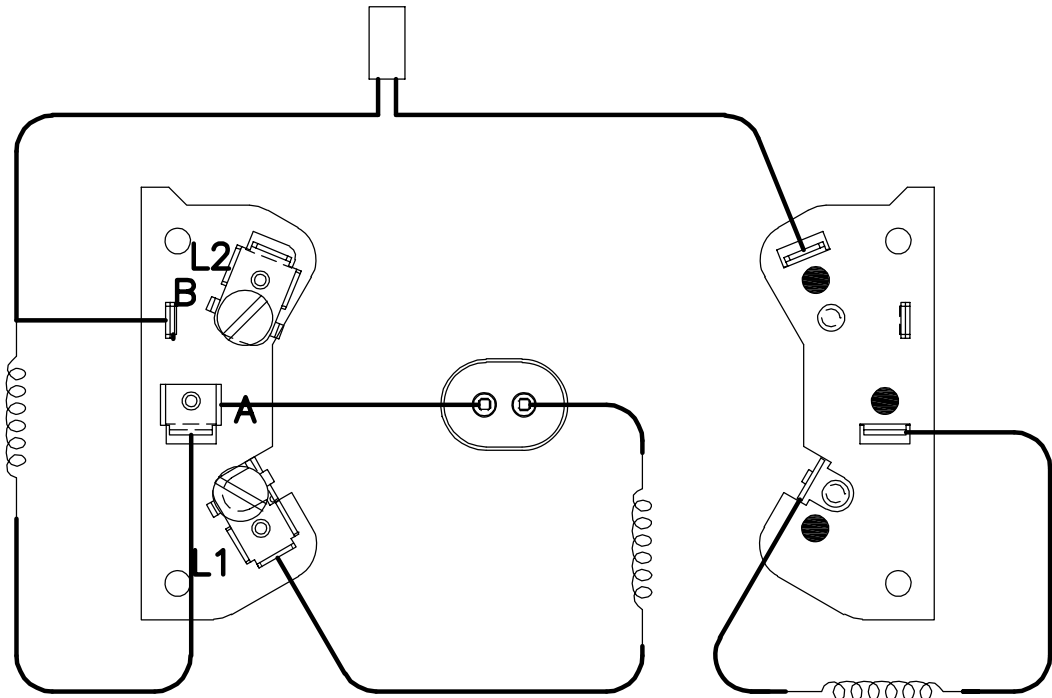
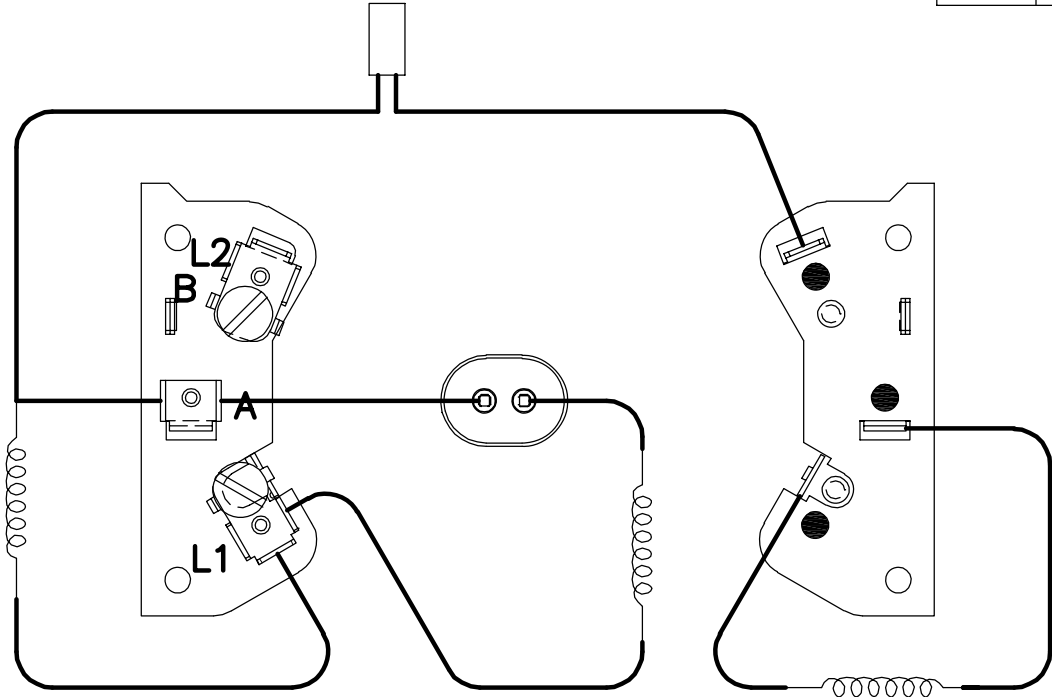
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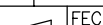
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	ECO-0024063	jrupert	01-17-2012	jrupert	01-17-2012



CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS □ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∧ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD ≡ SIMETRIA ASME Y14.5M 1994	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: X XX XXX XXXX PULG ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013 ANG. ±50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG 125 mm 3.2 DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: jrupert	01-17-2012	 REGAL-BELOIT CORPORATION	DESCRIPCION: CONN DIAGRAM-EXTERNAL
		APROBADO POR: jrupert	01-17-2012		
		TERCER ANGULO DE PROYECCION 	FECHA EDS: 11-11-2011 REV. FORMATO: G		
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		TAMAÑO: C	NUMERO DE DIBUJO: D0000313-010		
		ESCALA: NONE			HOJA: 1

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