

PRODUCT INFORMATION PACKET

FASCO®

Model No: D410
Catalog No: D410
1/10 HP Draft Inducer Motor, 3000 RPM, 115 Volts, 3.3" Diameter, Semi Enclosed
Draft Inducer Motors



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REGAL



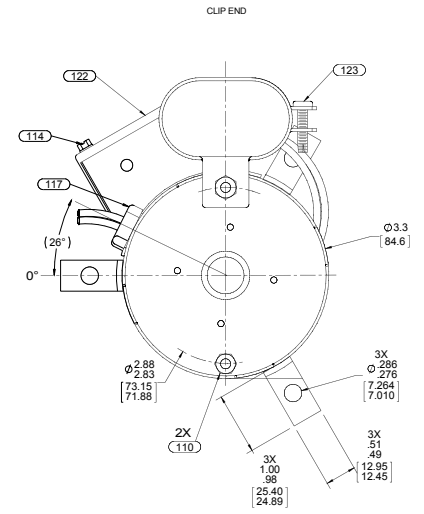
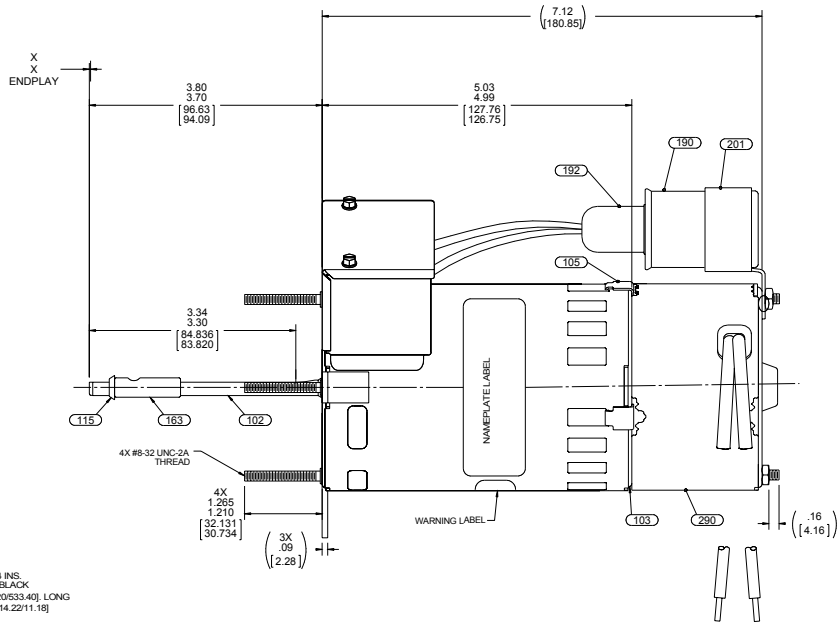
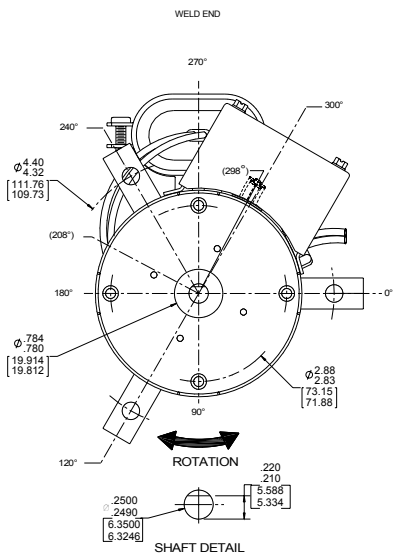
Nameplate Specifications

Output HP	1/10 Hp	Output KW	0.07 kW
Frequency	60 Hz	Voltage	115 V
Current	1.5 A	Speed	3000 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	3.3	Enclosure	Open Air Over
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
UL	Recognized	CSA	N
CE	N		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Extended Studs	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Steel
Shaft Type	Flat	Overall Length	10.92 in
Frame Length	4.80 in	Shaft Diameter	0.250 in
Shaft Extension	3.80 in		

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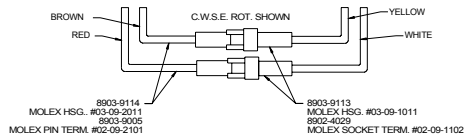


LEAD MATERIAL
 18 GA 125° C 2/64 INS.
 X-LINKED POLY, BLACK
 23.0021.00 [584.20/533.40] LONG
 W STRIP .56/44[14.22/11.18]

REVERSING LEAD MATERIAL
 18 GA 125° C 2/64 INS.
 X-LINKED POLY, YELLOW,
 WHITE, RED, BROWN,
 4.0003.00 [101.60/76.20] LONG

SWITCH LEADS
 18 GA 125° C 4/64 INS.
 EPDM, WHITE
 23.0021.00 [584.20/533.40] LONG
 W STRIP .56/44[14.22/11.18]

CAPACITOR LEADS
 18 GA 125° C 2/64 INS.
 X-LINKED POLY, BLUE,
 7.0005.00 [177.80/127.00] LONG
 WIFFLAG TERMS, 8903-4045
 AMP # 42742-2



TO REVERSE ROTATION INTERCHANGE RED AND BROWN
 MOTOR MUST HAVE C.W.S.E. CONNECTION WHEN SHIPPING.

- NOTES:
1. COIL LINE & REVERSING LEADS INSIDE CONDUIT BOX COVER AFTER TESTING AND SECURE WITH SCREW.
 2. NO KNOCKOUTS REMOVED.
 3. MOTOR HAS #416 STAINLESS STEEL SHAFT.
 4. ASSEMBLE BUSHING TO SHAFT AND HOLD IN PLACE WITH OIL SLINGER.
 5. NO PACKAGING TAPE OVER CARTON LABEL.

6130 5568

SAFETY WARNING
 This motor must be grounded in accordance with local or national electrical codes to prevent possible injury due to electrical shock.

AVERTISSEMENT DE SECURITE
 Ce moteur doit être fondée sur conformément à la réglementation locale ou nationale électrique codes pour prévenir d'éventuelles blessures en raison de choc électrique.

APPLY IN A CONVENIENT LOCATION TO READ FROM CLIP END

00464072 00469122

FASCO Fasco Industries, Inc.
 Motor Division

Assembled in Mexico
 No. 71621821 TYPE U6281 T.P. AO
 115 V 60 Hz Class B
 1.5 A 3000 RPM 1/10 HP
 Model D410 Sealed Ball Brg
 SW280-1 (1 spd)

Connection Diagram

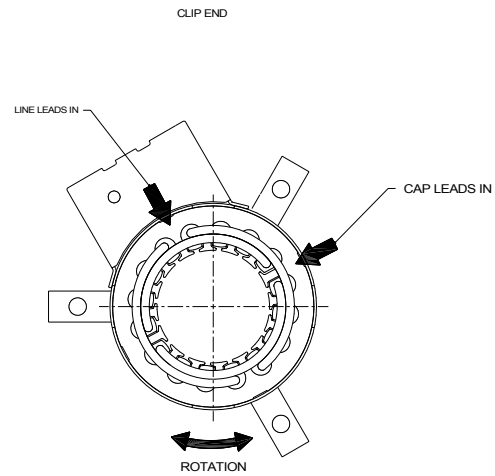
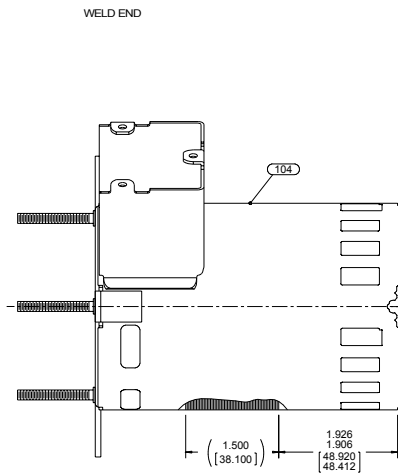
C.C.W.S.E. Line	C.W.S.E. Line
Bk Line	Bk Line
Yk Line	Wh Line
Red	Red
Wh	Wh
Bm	Bm
Bu	Bu

7.5 MFD/ 370 VAC

61299553

CUSTOMER NO.	0410	ENVIRONMENT	DRY
CONTAINER	FASCO DIST	APPLICATION	COUNTER SALES
CUSTOMER APPROVAL	FRONT SHAFT POSITION	WEIGHT (LBS)	5.76 LBS.
SIGNED:	HORIZONTAL	MOTOR CODE	71620941
DATE:	DOWN	REFERENCE SAMPLE NUMBER	
TYPICAL PERFORMANCE AS PER NEMA MOTOR			
MOTOR SPEED	IDLE	FULL LOAD	LOCKED ROTOR
	HP	AMPS	AMPS
3528	.84	73	38.7
		3000	1.42
		163	26.3
		2.30	246
			45.7

DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY	DATE
ECO	AH	07-16-2015	FRACTIONAL ANGLES .05°	S.DALTON	12-15-2001
ECO-0081997	C.ZHANG	07-16-2015	FRACTIONAL ANGLES .05°	APPROVED BY	DESCRIPTION
SEE ECO			FRACTIONAL ANGLES .05°	REGAL BELT AMERICA, INC.	
MATERIAL			FRACTIONAL ANGLES .05°	MODEL-SFHP-3.3	
MATERIAL			FRACTIONAL ANGLES .05°	OUTLINE	
MATERIAL			FRACTIONAL ANGLES .05°	PROCESSING BLACK PAINT	
MATERIAL			FRACTIONAL ANGLES .05°	SHEET 1 OF 2	
MATERIAL			FRACTIONAL ANGLES .05°	DRAWING NUMBER 71621821	



SWITCH INSTRUCTIONS

1. ASSEMBLE SWITCH AND ACTUATOR PER PROCESS STANDARD.
2. PRESS ACTUATOR ASSEMBLY AND THIMBLE ON SHAFT SO THAT TOP OF METAL ACTUATOR PLATE .568-.546 FROM END OF SHAFT.
3. SWITCH MUST BE ADJUSTED TO OBTAIN .035(.028-.046-.35) AIR GAP BETWEEN THIMBLE AND SWITCH BUTTON IN FULL OPERATING POSITION.
4. SWITCH MUST MAKE CONTACT BEFORE 1800-2500 RPM AS SPEED INCREASES AND BREAK 50-500 RPM BELOW ACTUAL MAKE.
5. SWITCH MECHANISM TO GIVE QUIET OPERATION ABOVE 2500 RPM.
6. NO SLACK ALLOWED INSIDE SWITCH COVER WHEN ASSEMBLING HEYCO.

PACKING SPECIFICATIONS

1. PACK PER P. S. 8883 4200. 1 PER CARTON, 18 PER LAYER, 108 PER PALLET.
2. PLACE A FOAM RING ON BACK END OF MOTOR. PLACE MOTOR IN CARTON, SHAFT END UP AND CONDUIT BOX TOWARD PRINTED SIDE OF CARTON. PLACE A FOAM RING OVER EVERY BRACKET AND SLIDE INTO CARTON. PLACE TUBE FILLER OVER SHAFT, CLOSE FLAPS AND TAPE.
3. PLACE ONE FLAT PAD BETWEEN EACH LAYER. TRIM FLAT PADS SO THEY DO NOT EXTEND PAST OUTER EDGE OF CARTONS.
4. CARTON LABELS MUST ALL FACE ONE DIRECTION TOWARD THE OPEN END OF THE PALLET. SEE P.S. 8883 4408.
5. NO PACKAGING TAPE ALLOWED ON CARTON LABEL.

NOTES:

1. STAKE STATOR TO SLEEVE PER P.S. 8883 0264.
2. MAXIMUM TORQUE REQUIRED TO TURN MOTOR SHAFT IS 3/8 INCH-OUNCE.
3. ASSEMBLE SPRING BETWEEN WASHER AND BEARING ON CLIP END, WITH SPRING FINGERS TOWARD BEARING.
4. ASSEMBLE BALL BEARINGS TO BEARING RETAINERS PER WORK CENTER PROCESS.
5. RE CUT BLUE LEADS TO 7.00 / 5.00(177.80/127.00), RESTRIP TO .22 ±.08(5.59 ± 1.52) AND ATTACH FLAG TERMINALS.
6. RE CUT RED AND BROWN LEADS TO 4.00 / 3.00(101.60/76.20)", RESTRIP TO .25 ±.09(6.35±1.52) AND ATTACH PIN TERMINALS AND TERMINAL HSG.
7. RE CUT WHITE AND YELLOW LEADS TO 4.00 / 3.00(101.60/76.20)", RESTRIP TO .25 ±.09(6.35±1.52) AND ATTACH SOCKET TERMINALS AND TERMINAL HSG.
8. SWITCH LEADS MUST MEET FULL TEST PER PROCESS STANDARD.
9. ATTACHED TERMINALS MUST MEET SPECIFICATIONS ON PROCESS STANDARD.
10. ASSEMBLE LOCKWASHER BETWEEN CAPACITOR BRACKET AND SWITCH COVER.

DRAWING REVISION ECO ECO-0081097	REVISION BY AH C.ZHANG	DATE 07-16-2015 07-16-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONS X .001 XX .005 XXX .010 XXXX .015 MACHINED SURFACES: (2) 1/2 FINISH V. 100 V.	APPROVED BY C.ZHANG	DATE 07-16-2015	DRIVEN BY S.DALTON	DATE 12-15-2001	Regal Beloit America, Inc.
SEE ECO			ANGLE ±.05	APPROVED BY		DATE	DESCRIPTION	MODEL-SFHP-3.3 OUTLINE
REGAL BELLOIT AMERICA, INC. IS NOT RESPONSIBLE FOR THE PRODUCTION OF THIS DRAWING OR THE QUALITY OF THE PARTS MANUFACTURED THEREFROM. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE PRODUCTION OF THE PARTS AND THE QUALITY OF THE PARTS MANUFACTURED THEREFROM. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE PRODUCTION OF THE PARTS AND THE QUALITY OF THE PARTS MANUFACTURED THEREFROM.			FORMING SURFACES: 0.0015 (0.0038) X 45°	REFERENCE	MATERIAL	THIRD ANGLE PROJECTION	PROCESS FINISH BLACK PAINT	71621821
DRAWING NUMBER			SIZE	DRAWING NUMBER		SHEET		2 OF 2