

# PRODUCT INFORMATION PACKET

FASCO®

Model No: D503  
Catalog No: D503  
1/10 HP Fan & Blower Motor, 1590 RPM, 230 Volts, 3.3" Diameter, Semi Enclosed  
Self Cooled Motors



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REGAL



**Nameplate Specifications**

Output HP	1/10 Hp	Output KW	0.07 kW
Frequency	60 Hz	Voltage	230 V
Current	1.00 A	Speed	1590 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	Y
CE	N		

**Technical Specifications**

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Extended Studs	Drive End Bearing	Sleeve
Opp Drive End Bearing	Sleeve	Frame Material	Steel
Shaft Type	Flat	Overall Length	8.77 in
Frame Length	4.39 in	Shaft Diameter	0.313 in
Shaft Extension	3.87 in		

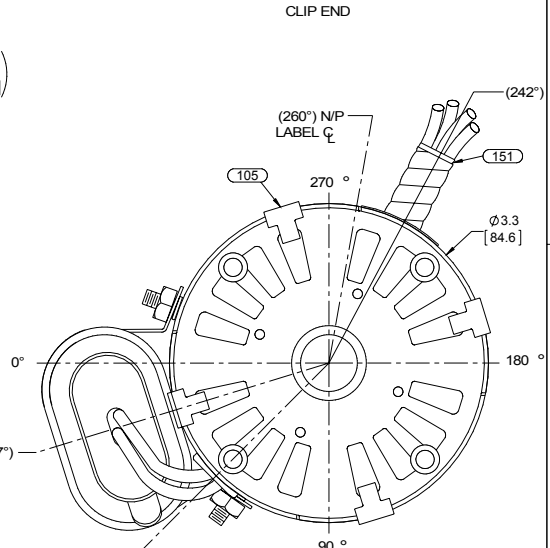
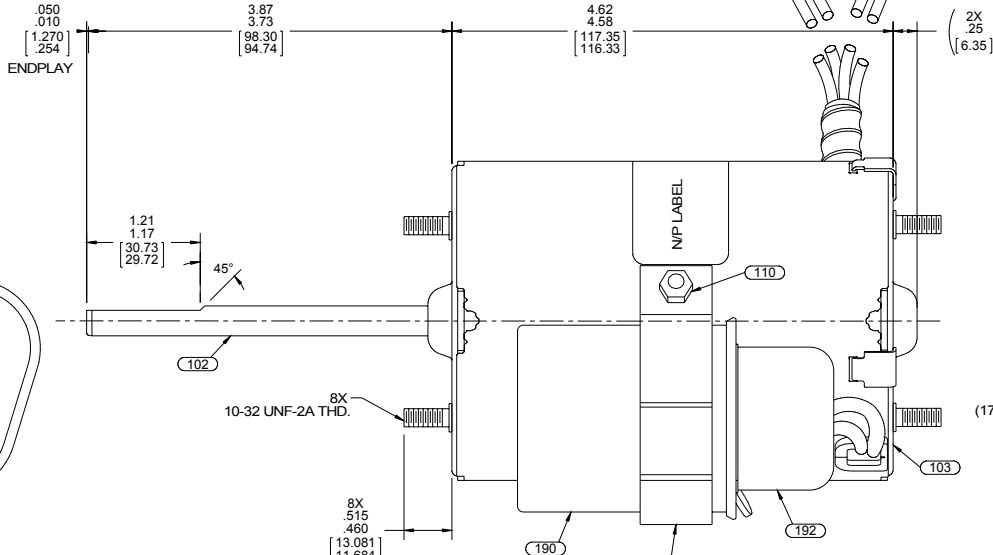
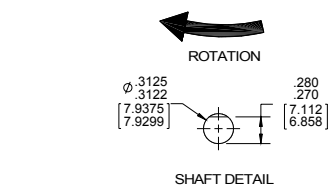
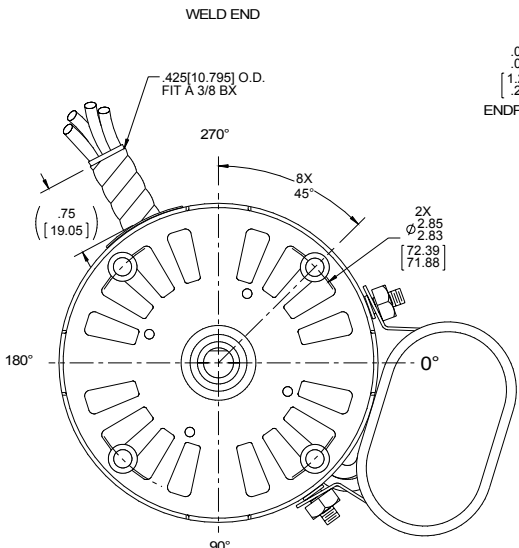
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1



**LEAD MATERIAL**  
 18 GA. 2/64 INSUL. 125°C  
 X-LINKED POLY. (1) WHT  
 (1)BLK, (1)BLU, (1) RED  
 32.00/30.00[812.80/762.00] LONG  
 .56/.44[14.22/11.18] STRIP

**CAPACITOR LEADS**  
 18 GA. 2/64 INSUL. 125°C  
 X-LINKED POLY. (1) BLU, (1) BRN  
 5.50/3.50[139.70/88.90] LONG  
 WIFFLAG TERM. 89034045  
 AMP 42742-2

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 national électrique codes pour prévenir d'éventuelles blessures en raison de choc électrique

00464072

**FASCO** Fasco Industries, Inc.  
 Motor Division

Assembled in Mexico  
 No. 71901052 TYPE U90B1 T.P. AO LR6319  
 230 V 60 Hz Class B  
 1.0 A 1590 RPM 1/10 HP  
 Model D503 Max Amb: 40° C

Connection Diagram  
 C.W.S.E. C.C.W.S.E.  
 Wht Line Wht Line  
 Blu Line Red Line  
 Blk Line Blk Line  
 Red Line Blu Line  
 Blu Line Blu Line  
 Brn Line Brn Line

4 MFD/370 VAC

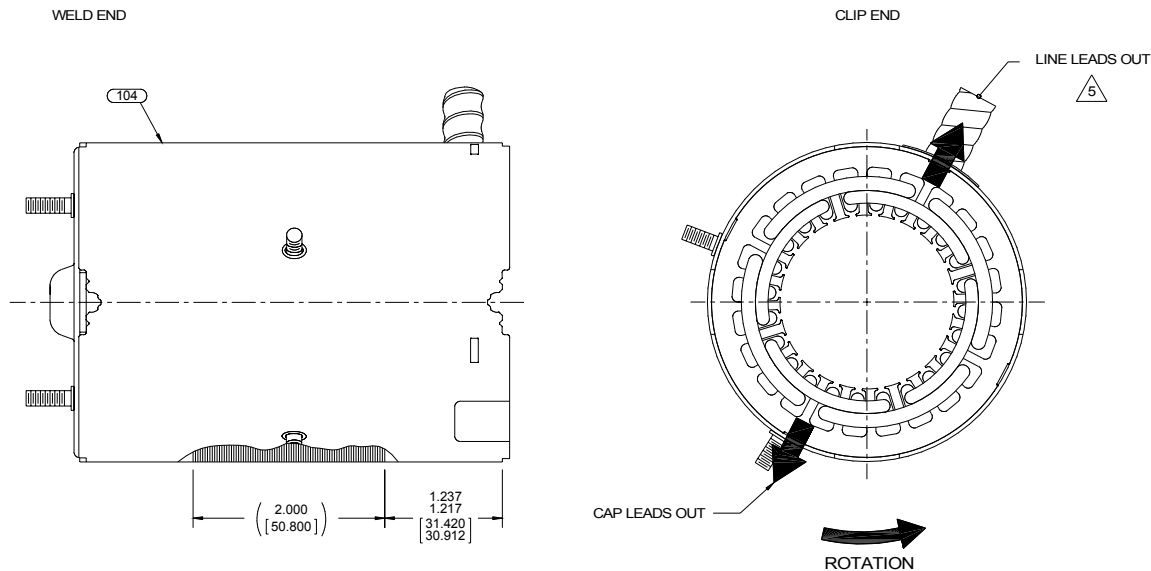
- NOTES:
- NO PACKAGING TAPE OVER CARTON LABEL.

APPLY IN A CONVENIENT LOCATION TO READ FROM CLIP END

CUSTOMER PN: D503	ENVIRONMENT: WET
CUSTOMER: FASCO DIST.	APPLICATION: -
	MOTOR WEIGHT: 5.50 LBS.

CUSTOMER APPROVAL	FRONT SHAFT POSITION	MOTOR TYPE	REFERENCE SAMPLE NUMBER
		P.S.C	71901052
SIGNED:	HORIZONTAL	B	LA
DATE:		FR	A
		S	C
		E	B
		A	A
TYPICAL PERFORMANCE AT 230 VOLTS 60 Hz		LOCKED	
MOTOR SPEED	RPM	AMP	WATT
	1786	.46	91
		99.8	1590
		.68	198
		46.3	1.57
		342	117.0

DRAWING REVISION W	REVISION BY Q.ZHAO	DATE 09-24-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE	DRAWN BY R.M	DATE 09-10-2002	DESCRIPTION MODEL-SFHP-3.3 OUTLINE
ECO-0075861	APPROVED BY C.ZHANG	DATE 09-24-2015	.XX +0.02 [-0.51] .XXX +0.005 [-0.127] .XXXX +0.0005 [-0.0127]	APPROVED BY	DATE	MATERIAL
SEE ECO			REMOVE BURRS & BREAK SHARP EDGES: .0031 [0.076381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: .125 [3.175] INCH V 3/2 mm SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER 71901052
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						SHEET 1 OF 2



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. MAKE-UP WASHERS ARE TO BE ADDED OR DELETED TO ACHIEVE REQUIRED ENDPLAY.
4. SEE ROTOR/SHAFT DRAWING FOR WASHER SET UP.
5. BRING LINE LEADS DIRECTLY OUT LEAD EXIT, IGNORE POSITION OF OTHER LEADS, THEY WILL ROTATE BACK TO THEIR LEAD EXIT.

PACKING SPECIFICATIONS

1. PACK PER P.S. 8883 4200. 1 PER CARTON, 24 PER LAYER, 6 LAYERS HIGH, 144 PER PALLET.
2. PLACE FOAM RING ON WELD BOLTS OPPOSITE SHAFT END OF MOTOR. PLACE FILLER TUBE OVER SHAFT, STUFF PAPER AROUND MOTOR TO PREVENT MOVEMENT DURING SHIPMENT. CLOSE FLAPS AND TAPE.
3. PLACE CARTON LABEL ON SHAFT END OF CARTON. LAY ON SIDE ON PALLET (BX CONNECTOR SIDE UP).
4. CARTON LABELS MUST ALL FACE ONE DIRECTION TOWARDS THE OPEN END OF THE PALLET. SEE P.S. 8883 4408
5. NO PACKAGING TAPE OVER CARTON LABEL.
6. PLACE (1) FLAT PAD ON PALLET, (1) BETWEEN EACH LAYER AND (1) ON TOP LAYER OF CARTONS.

DRAWING REVISION W	REVISION BY Q.ZHAO	DATE 09-24-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE	DRAWN BY R.M.	DATE 09-10-2002	DESCRIPTION MODEL-SFHP-3.3
ECO-0075861	APPROVED BY C.ZHANG	DATE 09-24-2015	.X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	APPROVED BY	DATE	MATERIAL
SEE ECO			REMOVE BURRS & BREAK SHARP EDGES: .0031 [0.078] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: .125 / 3.2 INCH V mm V mm SHOWN IN [BRACKETS]	REFERENCE	THIRD ANGLE PROJECTION	PROCESS/FINISH BLACK
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