

# PRODUCT INFORMATION PACKET

**FASCO**<sup>®</sup>

Model No: D1144

Catalog No: D1144

1/25 HP OEM Replacement Motor, 1200 RPM, 3 Speed, 115 Volts, 3.3" Diameter, OAO  
HVAC/R OEM Replacement Motors



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**REGAL**



### Nameplate Specifications

Output HP	1/25 Hp	Output KW	0.03 kW
Frequency	60 Hz	Voltage	115 V
Current	1.10 A	Speed	1200 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	6	Rotation	Clockwise Shaft End
Mounting	Resilient Rings	Drive End Bearing	Sleeve
Opp Drive End Bearing	Sleeve	Frame Material	Steel
Shaft Type	Flat	Overall Length	10.43 in
Frame Length	4.51 in	Shaft Diameter	0.375 in
Shaft Extension	5.68 in		

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## NOTES:

WELD END

.030  
.010  
[.762]  
[.254]  
ENDPLAY5.68  
5.56  
[144.27]  
[141.22]4.75  
4.71  
[120.65]  
[119.63].260  
.210  
[6.604]  
[5.334]

CLIP END

270°

180°

0°

90°

ROTATION

SHAFT DETAIL

 $\phi$  .3749  
.3746  
[9.5225]  
[9.5148].326  
.316  
[8.280]  
[8.026]

## LEAD MATERIAL

18 GA. 2/64 INS. 125° C. X-LINK POLY  
WHITE, BLACK, BLUE, RED  
8.00/6.00[203.20/152.40] WITH .56/.44[14.22/11.18] STRIP

## CAP LEADS

18 GA. 2/64 INS. 125° C. X-LINK POLY  
(2) BROWN  
4.00/3.00[101.60/76.20] W/TERM 8903-4045  
AMP #42742-2#8-32 UNC-2A THD.  
.265  
.210  
[6.731]  
[5.334]

0046-4072

0046-9105

## NOTES:

MOTOR HAS 416-STAINLESS STEEL SHAFT  
PACK 144 MAX. MOTORS PER PALLET  
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 shockAVERTISSEMENT  
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 électriqueAPPLY IN A CONVENIENT LOCATION  
TO READ FROM CLIP ENDFasco Industries, Inc.  
Motor Division


Assembled in Mexico

No. 71902355 TYPE U90B1 T.P. AO LR6319  
115 V 60 Hz Class B  
1.1 A 1200 RPM 1/25 HP  
Model D1144 Max Amb: 40° CConnection Diagram  
Wht — Common  
Blk — High  
Blu — Med.  
Red — Low  
Brn —  
Brn —

4 MFD/370 VAC

6129 9553

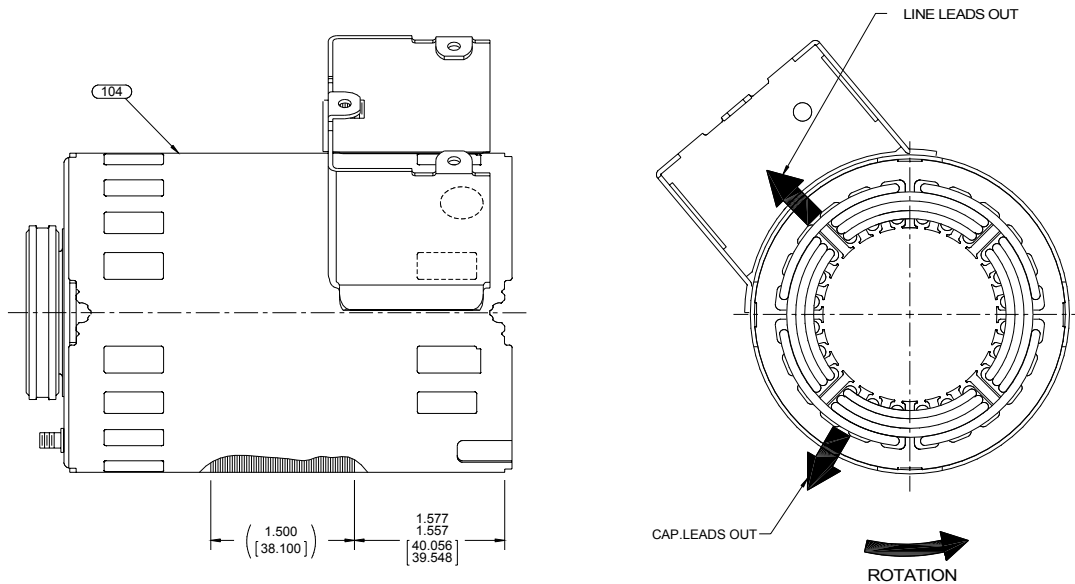
CUSTOMER PN: D1144	ENVIRONMENT: DRY
CUSTOMER: FASCO DIST.	APPLICATION: FAN
	MOTOR WEIGHT: 4.11 LBS.

CUSTOMER APPROVAL		FRONT SHAFT POSITION		MOTOR TYPE				REFERENCE SAMPLE NUMBER					
SIGNED:		HORIZONTAL		P.S.C.						71902355			
				B	LA	FR	A	S	C	E	B	A	
				00	90	30	V	06	DX	7	6	0	
TYPICAL PERFORMANCE AT 115 VOLTS 60 Hz													
MOTOR SPEED	IDLE			FULL LOAD			LOCKED			BREAK			
	RPM	AMP	WATT	IN O Z	RPM	AMP	WATT	IN O Z	AMP	WATT	IN O Z		
	HIGH	1747	.55	39	40.9	1200	1.12	122	17.3	1.45	155	39.7	
	MED.	1741	.35	27	27.0	1000	.86	91	11.6	1.01	106	28.1	
	LOW.	1730	.25	19	12.9	700	.63	68	6.4	.68	71	17.2	

DRAWING REVISION K	REVISION BY G.ZHAO	DATE 09-20-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE XX ±.01 [±.25] ±0.5° XXX ±0.005 [±0.127] XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: .125/ 3/2 INCH V mm SHOWN IN [BRACKETS]			DRAWN BY J.TINOLE	DATE 04-29-2002	APPROVED BY	DESCRIPTION
ECO-0075861	APPROVED BY C.ZHANG	DATE 09-20-2015	SEE ECO			DATE	REFERENCE	MATERIAL	PROCESS/FINISH
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WELD END

CLIP END



## NOTES:

1. STAKE STATOR TO SLEEVE PER P.S. 8883 0264.
2. MAXIMUM TORQUE REQUIRED TO TURN MOTOR SHAFT IS 3/4 INCH-OUNCE.
3. MAKE-UP WASHERS ARE TO BE ADDED OR DELETED TO ACHIEVE REQUIRED ENDPLAY.
4. RECUT CAP LEADS TO 4.00/3.00[101.60/76.20] AND STRIP TO .25/.19[6.35/4.83] AND ASSEMBLE TERMINALS.
5. ATTACHED TERMINALS MUST MEET SPECIFICATIONS ON PROCESS STANDARD.
6. ASSEMBLE WASHER PC 178 UNDER PC 110 NUT ON BOLT INSIDE CONDUIT BOX. ASSEMBLE FINGER TIGHT.
7. ASSEMBLE PC 111 NUT ON WELD END BOLT, FINGER TIGHT.
8. ASSEMBLE CLIP PLATE SO THAT THE SPLIT IN THE MOUNTING RING IS LOCATED AT 180 DEGREES  $\pm$  30 DEGREES.
9. SEE ROTOR AND SHAFT DRAWING FOR WASHER SET-UP.

## PACKING SPECIFICATIONS

1. PACK PER P.S. 8883 4200. 1 PER CARTON, 24 CARTONS PER LAYER, 6 LAYERS PER PALLET, 144 MAX. AMT. PER PALLET.
2. PLACE FILLER TUBE ON EACH SHAFT EXTENSION. PLACE MOTOR IN CARTON LEADS DOWN. STUFF PAPER AROUND MOTOR TO PREVENT MOVEMENT DURING SHIPMENT.
3. CARTON LABELS MUST ALL FACE ONE DIRECTION TOWARD THE OPEN END OF THE PALLET. SEE P.S. 88834408.
4. PLACE (1) FLAT PAD ON PALLET, (1) FLAT PAD BETWEEN EACH LAYER AND (1) ON TOP.
5. PLACE ALL INSPECTION STICKERS AND WRITING ON TOP PAD.

DRAWING REVISION K	REVISION BY G.ZHAO	DATE 09-20-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY J.TINOLE	Regal Beloit America, Inc.	
ECO	APPROVED BY C.ZHANG	DATE 09-20-2015	DEC.	INCH	mm	ANGLE	
ECO-0075861			.X	$\pm 0.1$	[ $\pm 2.5$ ]	$\pm 0.5^\circ$	
ECO DESCRIPTION	SEE ECO		.XX	$\pm 0.01$	[ $\pm 0.25$ ]		
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			.XXXX	$\pm 0.0005$	[ $\pm 0.0127$ ]		
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: .125/ 3.2 INCH $\sqrt{\text{mm}}$				
			mm SHOWN IN [BRACKETS]				
			REFERENCE		MATERIAL	PROCESS/FINISH	
			THIRD ANGLE PROJECTION		SIZE	DRAWING NUMBER	SHEET
			C		71902355	2 OF 2	