PRODUCT INFORMATION PACKET



Model No: 985.688B Catalog No: M1125247.00 OS300.IN-LINE..35:1.51RPM.130LBIN.1/8HP.30..TRIPLE..90V.DC.TENV.985.688B OS300 Series



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Nameplate Specifications

Output HP	0.13 Нр	Output KW	0.10 kW
Voltage	90 V	Current	1.4 A
Speed	51 rpm	Service Factor	1
Efficiency	66.9 %	Duty	Continuous
Insulation Class	F	Frame	30
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	608
Opp Drive End Bearing Size	6000	UL	Recognized
CSA	Y	CE	Y

Technical Specifications

Rotation	Reversible	Mounting	Special
Shaft Type	Parallel	Overall Length	10.45 in
Frame Length	4.91 in	Shaft Diameter	0.625 in
Shaft Extension	1.31 in		
Outline Drawing	M1030931-M1125247	Connection Diagram	M100530201

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M1030931.00 3.94 REF "XL" REF 3.375 TYP 3.30 1.50 1.688 1.65 1.31 2.81 REF .187 SQ x 1.00 LONG "хн" KEY 0 0 1.00 3.13 REF FULL CONDUIT BOX 1.58 DEPTH Ð (OPTIONAL) 675 `**^**....**^** -(3) LEADS 12.0 LONG MIN REF Ł .625 ø.624 \odot 0 79 375 SEE NOTE 1-.517 REF 1.25 m 6.11 TO SHAFT SHOULDER TOP Ð \bigcirc 0 (4) 5/16-18 UNC-2B .62 DP MIN \$3.00 .11 REF -LOAD SPRING NAMEPLATE AT THIS END LOCKSEAM (FAR SIDE) -SEE NOTE 2 NOTES: 1. NAMEPLATE MUST BE IN LINE WITH HOLE WITHIN .06". 2. THIS NOTCH IS NOT PRESENT IN 1/20 HP DESIGNS. FULL LOAD TORQUE OUTPUT CATALOG F.L. INPUT VOLTAGE RATIO "XH" "XL" NUMBER RPM AMPS HP (VOLTS) TO 1 LB.-IN. M1125247.00 51 130 1.4 1/8 90 35 6.42 10.45 M1125248.00 31 220 1.4 1/8 58 6.42 10.45 90 M1125249.00 6.42 10.45 24 280 1.3 1/8 76 90 03 ADDED CAT. # M1125255.00 & M1125256.00 TO TABLE, IPG 6/24/04 SAD UNLESS SPECIFIED DRAWN IPG 6/10/04 ELECTRIC MOTORS M1125250.00 18 103 4.50 8.52 150 .56 1/20 LEESON 90 PER FIRST RUN DEC. INCHES GEARMOTORS СНК SAD 6/10/04 M1125251.00 .54 4.50 8.52 9 268 1/20 90 210 02 ADDED CAT. # M1125252.00, M1125253.00 & AND DRIVES APPD IPG 6/23/04 SAD .X ±.1 M1125252.00 130 10.3 1/8 35 6.42 10.45 51 12 M1125254.00 TO TABLE, PER FIRST RUN .xx +.03 TITLE OUTLINE SCALE 5=8 M1125253.00 31 220 10.6 1/8 12 58 6.42 10.45 30 FRAME DC - OS300 GEARBOX 01 ADDED CAT. # M1125250.00 & M1125251.00 TO TABLE, IPG 6/16/04 SAD .XXX ±.005 REF PR030382 M1125254.00 10.6 76 6.42 10.45 24 280 1/8 12 ADDED NOTE 2, PER FIRST RUN .XXXX ±.0005 MAT'L. FMF M1125247.00 M1125255.00 18 150 5.0 1/20 12 103 4.50 8.52 REVISION CHK ANG ±1/2 FINISH PREV NO. BY & DATE

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	EXTERNAL CONNECTIONS FOR CW ROTATION VIEWING LEAD END OF MOTOR WITH RED LEAD POSITIVE (+) AND BLACK LEAD NEGATIVE (-) FOR CCW ROTATION REVERSE POLARITY			RED LEAD BLACK LEAD	BLACK LEAD	D.C. MOTORS
			TOLERANC UNLESS SPEC	HES	EESON ELECTRIC M GEARMOT	TORS CHK RPB 3/15/05
			.X ±.1 .XX ±.01	TITLE	CONNECTION DIAGRAM	
			.XXX ±.005		CONTROL DIVOLAM	REF 901.706
00	RELEASED COMM CONVERSION PROJECT	RWS 4/13/05	RPB .XXXX ±.000	95 MAT'L.		FMF
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