PRODUCT INFORMATION PACKET



Model No: 985.691B Catalog No: M1125250.00 OS300.IN-LINE..103:1.19RPM.150LBIN.1/20HP.30..TRIPLE..90V.DC.TENV.985.691B OS300 Series



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies. ©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



Dealers Industrial Equipment -- Visit https://DealersElectric.com or call (908) 688-1966 for all of your electrit of of vour electrit of the version of the

Product Information Packet: Model No: 985.691B, Catalog No:M1125250.00 OS300.IN-LINE..103:1.19RPM.150LBIN.1/20HP.30..TRIPLE..90V.DC.TENV.985.691B



Nameplate Specifications

Output HP	0.05 Hp	Output KW	0.04 kW
Voltage	90 V	Current	0.80 A
Speed	19 rpm	Service Factor	1
Efficiency	40.9 %	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	v	CE	V

Technical Specifications

Rotation	Reversible	Mounting	Special	
Shaft Type	Parallel	Overall Length	8.52 in	
Frame Length	2.99 in	Shaft Diameter	0.625 in	
Shaft Extension	1.31 in			
Outline Drawing	M1030931-M1125250	Connection Diagram	M100530201	

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/15/2018

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

THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

CAD FILE

RFP

DIST

M1030931

SIZE DRAWING NO.

M1030931.00

В

REV.

03

7/20/2007 9:57:50 PM -Dealers Industrial Equipment -- Visit <u>https://DealersElectric.com</u> or call (908) 688-1966 for all of your electric of other with the other of the other sectors and the other sectors and the other sectors and the other sectors are set of the other sectors and the other sectors are set of the other sectors and the other sectors are set of the other set of the other sectors are set of the other set of the other set of the other sectors are set of the other set of the other set of the other sectors are set of the other set of t

M1125256.00

9

268

4.5

1/20

12

210 4.50 8.52

						M1005302.01
	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
NO.	REVISION	BY & DATE	CHK ANG ±1/2	FINISH		PREV
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BI IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION A THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE 007 10:30:50 AM -	ARE RESERVED	RFP DIST	CAD FILE	11100000201	A M1005302.01

7/20/2007 10:30:50 AM -

Dealers Industrial Equipment -- Visit https://DealersElectric.com or call (908) 688-1966 for all of your electrit of of vour electrit of the version of the