BALDOR • RELIANCE

Product Information Packet

OF3310T

10HP,1125RPM,3PH,60HZ,256T,3938M,OPSB,F2

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Part Detail

Revision:	AG	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	39WGW461	**CD Diagram:**	CD0321	**Mfg Plant:**	
Mech. Spec:	39L21	**Layout:**	39LYL021	**Poles:**	06	**Created Date:**	
Base:	RG	**Eff. Date:**	09-07-2018	**Leads:**	12#12 ML4400b12 Y		

Specs

Catalog Number:	OF3310T	**Heater Indicator:**	No Heater
Enclosure:	OPSB	**Insulation Class:**	F
Frame:	256T	**Inverter Code:**	Not Inverter
Frame Material:	Steel	**KVA Code:**	H
Output @ Frequency:	10.000 HP @ 60 HZ	**Lifting Lugs:**	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Voltage @ Frequency:	230.0 V @ 60 HZ	**Motor Lead Quantity/Wire Size:**	12 @ 12 AWG
	460.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	796.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	3938M
XP Division:	Not Applicable	**Mounting Arrangement:**	F2
Agency Approvals:	UR	**Power Factor:**	71
	CSA	**Product Family:**	Oil Field Pump Motors(Not DC)
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	Standard
Base Indicator:	Rigid	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	Included
Blower:	None	**Shaft Extension Location:**	Pulley End

Current @ Voltage:	15.900 A @ 460.0 V
	31.800 A @ 230.0 V
	9.200 A @ 796.0 V
Design Code:	D
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	NONE (OLD)
Thermal Device - Winding:	Normally Closed Thermostat
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None

Nameplate NP2961E

CAT.NO.							
SPEC.	39L21W461						
HP	10						
VOLTS	230/460/796						
AMP	31.8/15.9/9.2						
RPM	1125						
FRAME	256T	HZ	60			PH	3
SER.F.	1.00	CODE	H	DES	D	CLASS	F
NEMA-NOM-EFF	82.5	PF	71				
RATING	40C AMB-CONT						
CC						USABLE AT 208V	
DE	6309	ODE	6309				
ENCL	OPSB	SN					

Parts List

Part Number	Description	Quantity
SA000532	SA 39L21W461	1.000 EA
RA000532	RA 39L21W461	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 EA
09CB1001A31	CONDUIT BOX, MACH 309 FRAME	1.000 EA
09GS1017	GASKET, CONDUIT BOX, .125 THICK BLACK NE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
10XN2520K08	1/4-20 X .50 GRADE #5, STL, ZINC PLATE	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
39EP1200A02	FR ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA1103A01	RODENT SCREEN,309 FRAME, OPEN	1.000 EA
12XN0832A12	8-32 X 3/4 HEX HD SCREW	2.000 EA
XY0832A02	8-32 HEX NUT	2.000 EA
12XN0832A12	8-32 X 3/4 HEX HD SCREW	2.000 EA
XY0832A02	8-32 HEX NUT	2.000 EA
HW1000A08	#8 SAE FLAT WASHER	2.000 EA
12XN0832A06	8-32 X 3/8 HEX HD SCREW	1.000 EA
12XN0832A06	8-32 X 3/8 HEX HD SCREW	1.000 EA
HW1000A08	#8 SAE FLAT WASHER	1.000 EA
HW1000A08	#8 SAE FLAT WASHER	2.000 EA
HW1000A08	#8 SAE FLAT WASHER	1.000 EA

Parts List (continued)

Part Number	Description	Quantity
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
39EP1200A06	ENDPLATE MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA1103A01	RODENT SCREEN,309 FRAME, OPEN	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
09CB1501A01	CONDUIT BOX LID, MACH	1.000 EA
09GS1001A01	GASKET, BOX LID, 1/8 THICK BLACK NEOPREN	1.000 EA
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
MG1025G03	WILKOFAST, 789.901, OIL RIG SILVER	0.035 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	2.000 EA
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0321	CONNECTION LABEL	1.000 EA

NP2961E	ALUM CSA CC	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	4.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

AC Induction Motor Performance Data

Record # 12761 - Typical performance - not guaranteed values

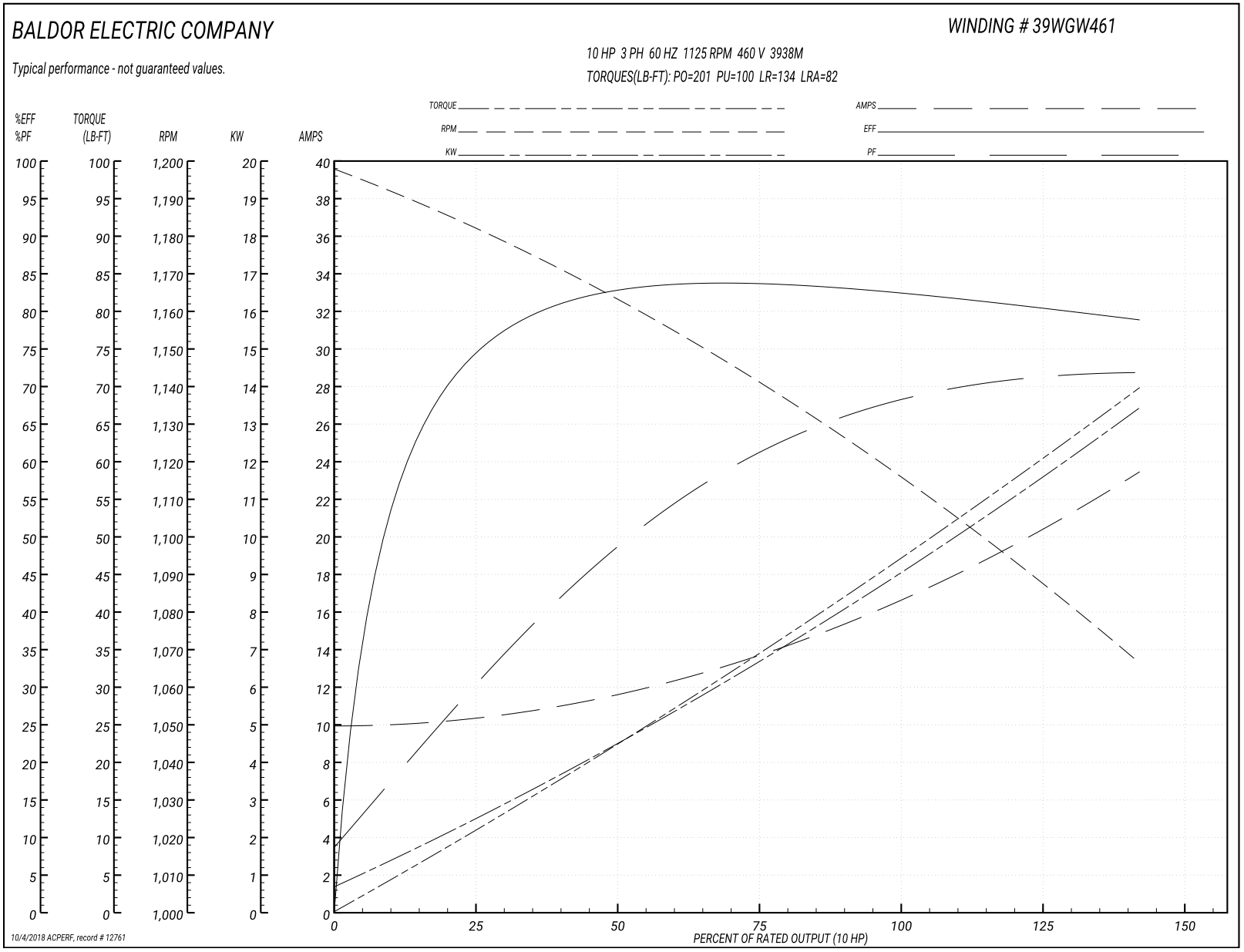
Winding: 39WGW461-R001	**Type:** 3938M	**Enclosure:** OPEN

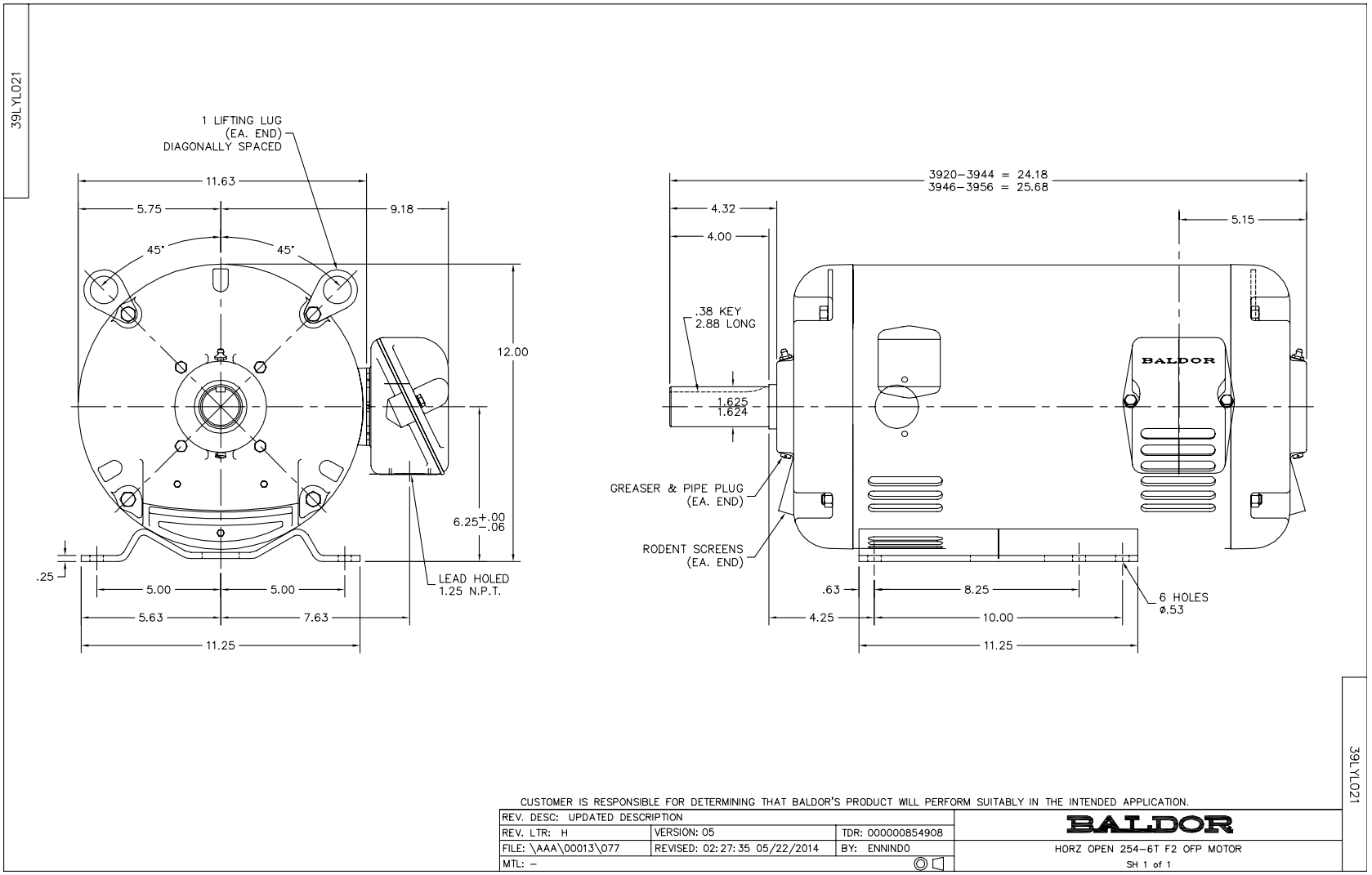
Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection	
Rated Output (HP)	10			Full Load Torque	46.7 LB-FT
Volts	230/460/796			Start Configuration	direct on line
Full Load Amps	31.8/15.9/9.2			Breakdown Torque	201 LB-FT
R.P.M.	1125			Pull-up Torque	100 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	134 LB-FT
NEMA Design Code	D	KVA Code	H	Starting Current	82 A
Service Factor (S.F.)	1			No-load Current	9.9 A
NEMA Nom. Eff.	82.5	Power Factor	71	Line-line Res. @ 25ºC	1.039 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C

Load Characteristics 460 V, 60 Hz, 10 HP

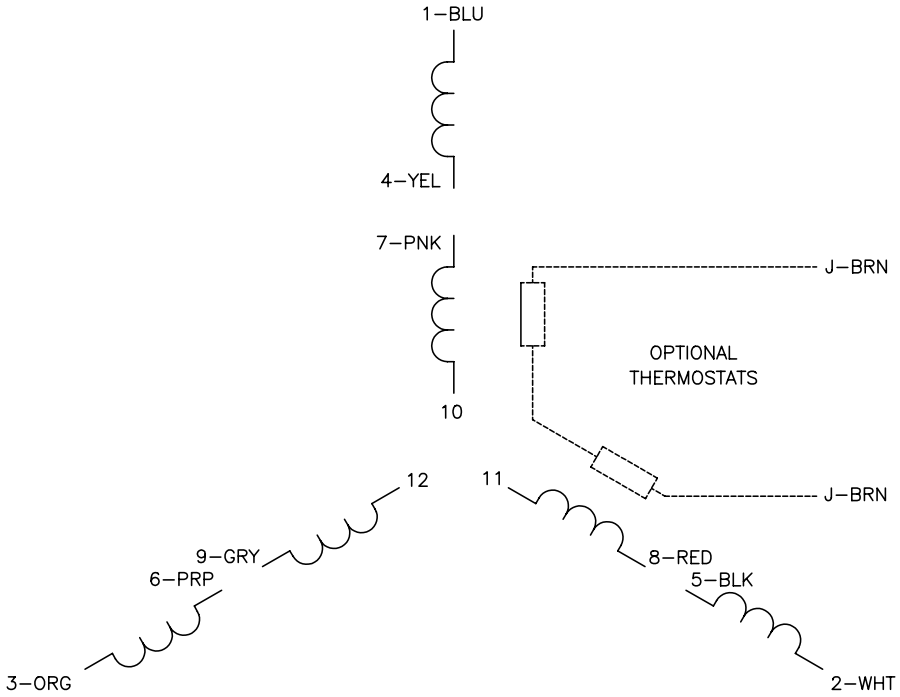
% of Rated Load	25	50	75	100	125	150
Power Factor	32	50	61	69	71	72
Efficiency	73.3	82.2	83.7	83.1	81.1	78.5
Speed	1180	1161	1140	1118	1093	1065
Line amperes	10.4	11.8	13.9	16.3	19.9	23.5

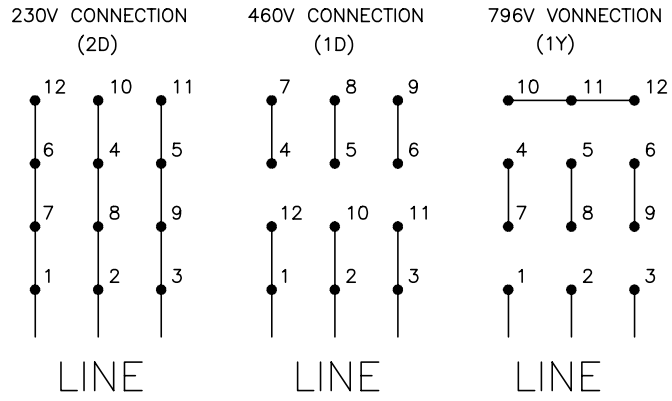
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values




39LYL021
1 LIFTING LUG
(EA. END)
DIAGONALLY SPACED
11.63
5.75
9.18
45°
45°
12.00
6.25 +.00 −.06
.25
5.00
5.00
5.63
7.63
11.25
LEAD HOLED
1.25 N.P.T.
3920−3944 = 24.18
3946−3956 = 25.68
4.32
4.00
5.15
.38 KEY
2.88 LONG
1.625
1.624
BALDOR
GREASER & PIPE PLUG
(EA. END)
RODENT SCREENS
(EA. END)
.63
8.25
4.25
10.00
11.25
6 HOLES
ø.53
39LYL021
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: UPDATED DESCRIPTION
REV. LTR: H
VERSION: 05
TDR: 000000854908
FILE: \AAA\00013\077
REVISED: 02:27:35 05/22/2014
BY: ENNIND0
MTL: –
BALDOR
HORZ OPEN 254−6T F2 OFP MOTOR
SH 1 of 1

CD0321





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE MARKED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:17	TDR: 0171435
CD0321		FILE: AAA00008378	MDL: –
		MTL: –	3PH, TV, 12 LEADS, 2D/1D/1Y, OIL FIELD PUMPERS

CD0321