ABB BALDOR RELIANCE

Customer information packet

MVM3458C

.25KW, 1725RPM, 3PH, 60HZ, D71C, 3320M, TEFC

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Specifications

Enclosure	TEFC
Frame	D71C
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	.330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	.700 A @ 460.0 V
	1.400 A @ 230.0 V
	1.700 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Feedback Signal	NONE
Frame Prefix	D
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AT
Type	AC
Mech. spec.	33-1922
Base	
Status	PRD/A
Elec. spec.	33WG0675
Layout	33LY1922
Eff. date	10-24-2024
CD Diagram	CD0005A05
Poles	04
Leads	9#18
Proprietary	False
Created date	06-25-2007

High Voltage Full Load Amps	0.7 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3320M
Mounting Arrangement	F2
Number of Poles	4
Overall Length	10.74 IN
Power Factor	58
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
Shaft Diameter	0.552 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2	None

Nameplate

NP1379L							
CAT.NO.	MVM3458C						
SPEC.	33-1922-675						
IEC FRAME	D71C	**K.W.**	.25 TE				
VOLTS	230/460 ENCL TEFC						
AMP	1.4/.7						
RPM	1725	**I.P.**	54				
HZ	60	**PH**	3	**CL**	B		
SER.F.	1.35	**DES**	B	**CODE**	-		
NEMA-NOM-EFF	74	**PF**	58				
RATING	40C AMB-CONT						
CC							
DE	6203	**ODE**	6203				
SER. #							
	SFA 1.6/.8						

Parts List

Part number	Description	Quantity
SA007277	SA 33-1922-675	1.000 ea
RA003724	RA 33-1922-675	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
34CB3002A64	CB W/.69 DIA @ 6	1.000 ea
34GS1029A01	GASKET, CONDUIT BOX	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
33EP3100A01	EP,33AC ODE GP 6203 TEFC W/DRAIN	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
33EP1300A35	PU EP, ENCL FACE MTD IEC D71C FOR SEAL	1.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
33FN3000	EXTERNAL FAN, PLASTIC	1.000 ea
HW1003A08	WASHER, #8 EX TH LK, ZN (F/S)	1.000 ea
33FH4000A01	FAN COVER, STAMPED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 ea
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2504D08	KEY, 5 MM X .875	1.000 ea
HA7000A10	KEY RETAINER 0.563 DIA SHAFTS	1.000 ea
HW4600A50	SEAL,#6806 C-R .669X1.25 X.25 SNG LIP NO	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.013 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A44	THRUBOLT 10-32 X 8.000	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 ea
NP1379L	ALUM IEC UL CC	1.000 ea
34PA1002	PKG GRP, PRINT PK1001A02	1.000 ea

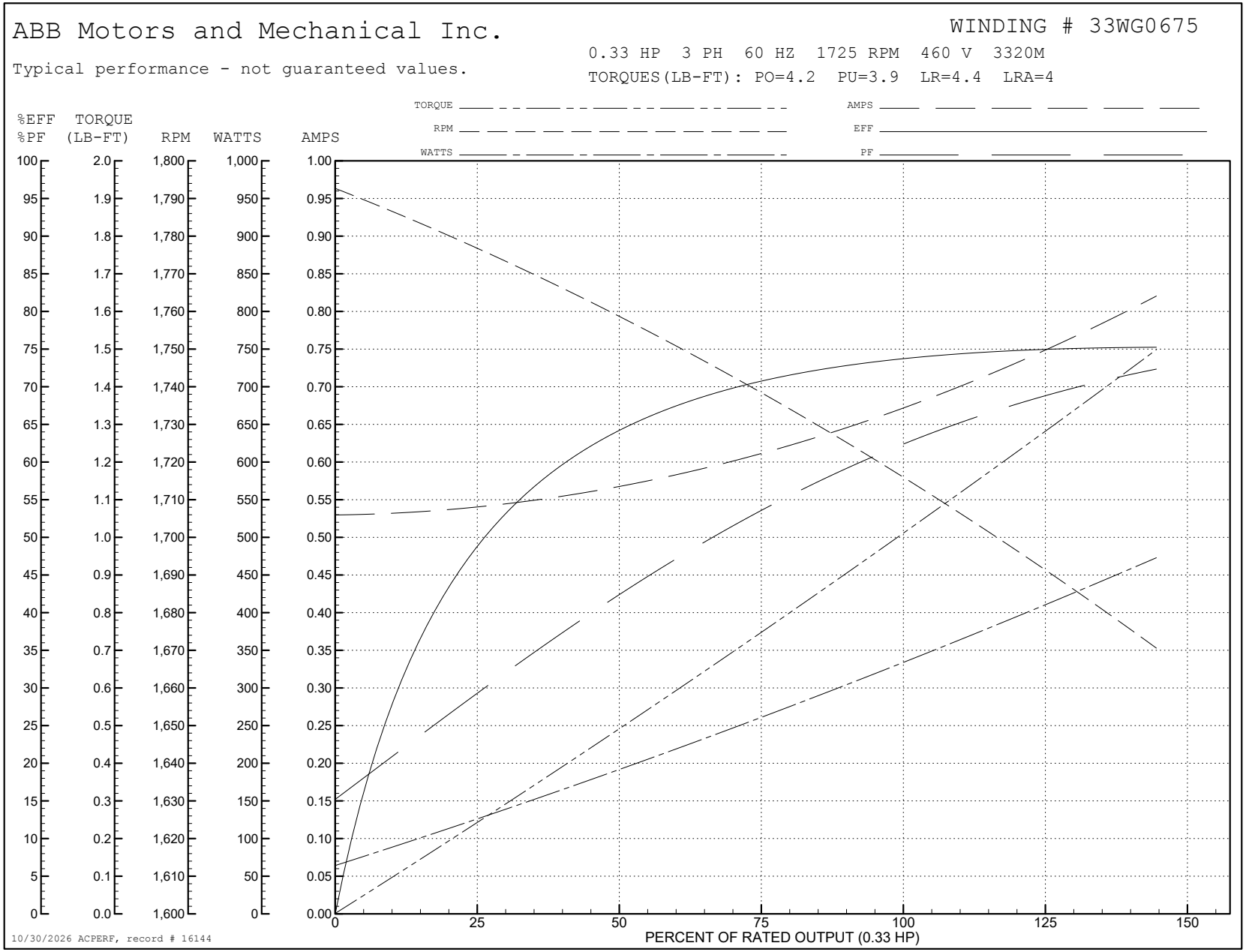
AC Induction Motor Performance Data
Record # 16144
Typical performance - not guaranteed values

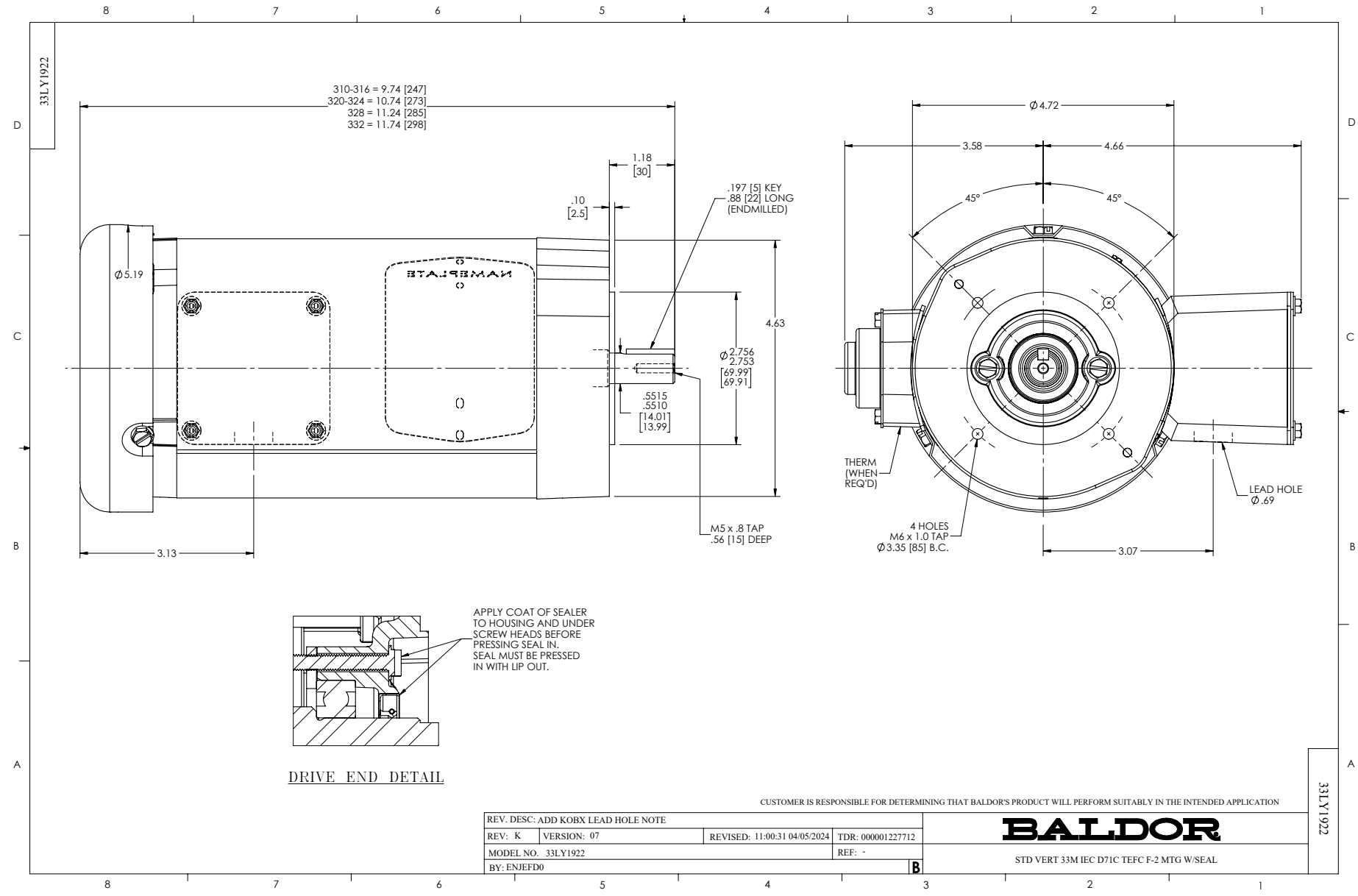
Winding: 33WG0675-R001	**Type:** 3320M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			0.33	**Full Load Torque**	1 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			1.4/0.7	**Breakdown Torque**	4.2 LB-FT
R.P.M.			1725	**Pull-up Torque**	3.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	4.4 LB-FT
NEMA Design Code	B	**KVA Code**	-	**Starting Current**	4 A
Service Factor (S.F.)			1.35	**No-load Current**	0.53 A
NEMA Nom. Eff.	74	**Power Factor**	58	**Line-line Res. @ 25ºC**	47.3 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	56°C
S.F. Amps			1.6/0.8	**Temp. Rise @ S.F. Load**	71°C

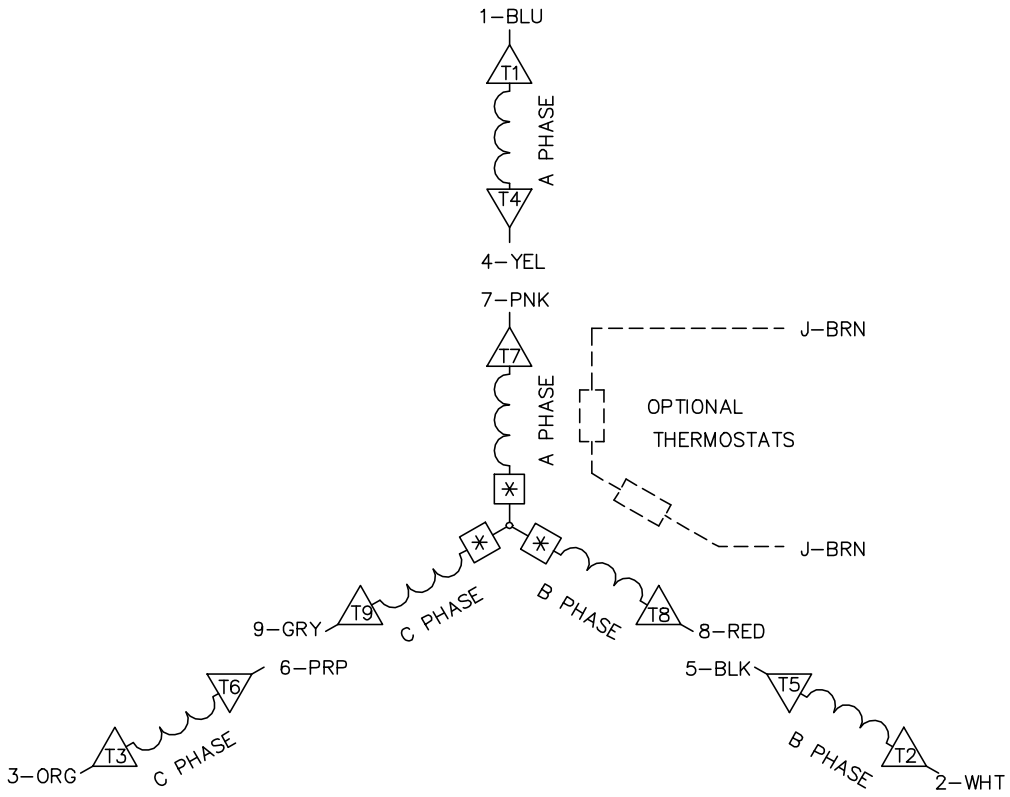
Load Characteristics 460 V, 60 Hz, 0.33 HP

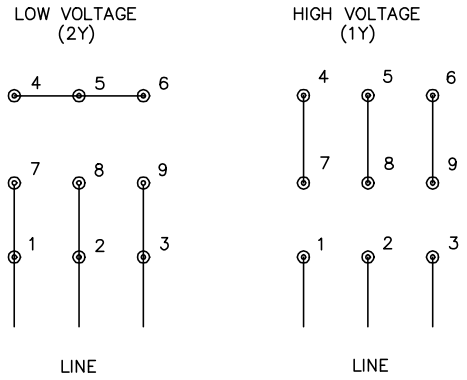
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	42	53	62	69	75	72
Efficiency	49	64	71	74	75	75	75.4
Speed	1776	1758	1738	1717	1695	1670	1686
Line amperes	0.54	0.57	0.61	0.67	0.74	0.82	0.77


ABB Motors and Mechanical Inc.
WINDING # 33WG0675
0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3320M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=4.2 PU=3.9 LR=4.4 LRA=4
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.33 HP)
10/30/2026 ACPERF, record # 16144


33LY1922
310-316 = 9.74 [247]
320-324 = 10.74 [273]
328 = 11.24 [285]
332 = 11.74 [298]
1.18
[30]
.10
[2.5]
.197 [5] KEY
.88 [22] LONG
(ENDMILLED)
Ø5.19
4.63
Ø2.756
2.753
[69.99]
[69.91]
.5515
.5510
[14.01]
[13.99]
M5 x .8 TAP
.56 [15] DEEP
3.13
Ø4.72
3.58
4.66
45°
45°
THERM
(WHEN
REQ'D)
LEAD HOLE
Ø.69
4 HOLES
M6 x 1.0 TAP
Ø3.35 [85] B.C.
3.07
APPLY COAT OF SEALER
TO HOUSING AND UNDER
SCREW HEADS BEFORE
PRESSING SEAL IN.
SEAL MUST BE PRESSED
IN WITH LIP OUT.
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD KOBX LEAD HOLE NOTE
REV: K
VERSION: 07
REVISED: 11:00:31 04/05/2024
TDR: 000001227712
MODEL NO. 33LY1922
REF: -
BY: ENJEFD0
B
BALDOR
STD VERT 33M IEC D71C TEFC F-2 MTG W/SEAL
33LY1922

CD0005A05





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 NUMBERED AS SHOWN.
5. (#) =MAGNET WIRE COIL END WITH I.D. NUMBER.
6. [*] =MAGNET WIRE COIL END WITH I.D. SYMBOL.
7. SEE CW PRINT FOR NEST TO NEST CROSSOVER CONNECTIONS.

CD0005A05

REV. DESC: ADD NEST NOTE			BALDOR • DODGE • RELIANCE
REV. LTR: C	VERSION: 03	TDR: 000000445597	
CD0005A05	FILE: \CKA\00024\847	REVISED: 12:51:06 11/15/2007	3PH, DV, 9 LEADS, CK
	MTL: –	BY: CKMICRO	