

BALDOR® • RELIANCE 

Product Information Packet

VSSWDM3534

.33HP,1780RPM,3PH,60HZ,56C,3512M,TENV,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGG155	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35V824	Layout:	35LYV824	Poles:	04	Created Date:	07-05-2022
Base:	N	Eff. Date:	07-14-2022	Leads:	9#18		

Specs			
Catalog Number:	VSSWDM3534	Heater Indicator:	No Heater
Enclosure:	TENV	Insulation Class:	F
Frame:	56C	Inverter Code:	Not Inverter
Frame Material:	Stainless Steel	KVA Code:	P
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.330 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Finish:	UNPAINTED
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3512M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	61
	CSA	Product Family:	Wash Down All Stainless Steel
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None

Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	.650 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.300 A @ 208.0 V	Shaft Rotation:	Reversible
	1.300 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1951A01										
CAT.NO.	VSSWDM3534									
SPEC.	35V824G155G2									
HP	.33									
VOLTS	208-230/460									
AMP	1.5-1.7/.85									
RPM	1780									
FRAME	56C				HZ	60			PH	3
SER.F.	1.25		CODE	S	DES	B		CLASS	F	
NEMA-NOM-EFF	75.5			PF	49					
RATING	40C AMB-CONT									
CC	USABLE AT 208V									
DE	6205			ODE	6203					
ENCL	TENV	SN								
	SFA 1.9-1.8/.9									
	20:1CT 20:1VT									

Parts List		
Part Number	Description	Quantity
SA405525	SA 35V824G155G2	1.000 EA
RA396946	RA 35V824G155G2	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A08	CONDUIT BOX KIT, S/P 9-2 (ALL STAINLESS)	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35FE1913A01	FR ENDPLATE ASSY	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S22	10-32 X 1 3/8 SLOT HEX, STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
HA3100S45	THRU BOLT HEX-HEAD 7.95 10-32	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2200bx) 4/22	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 82222

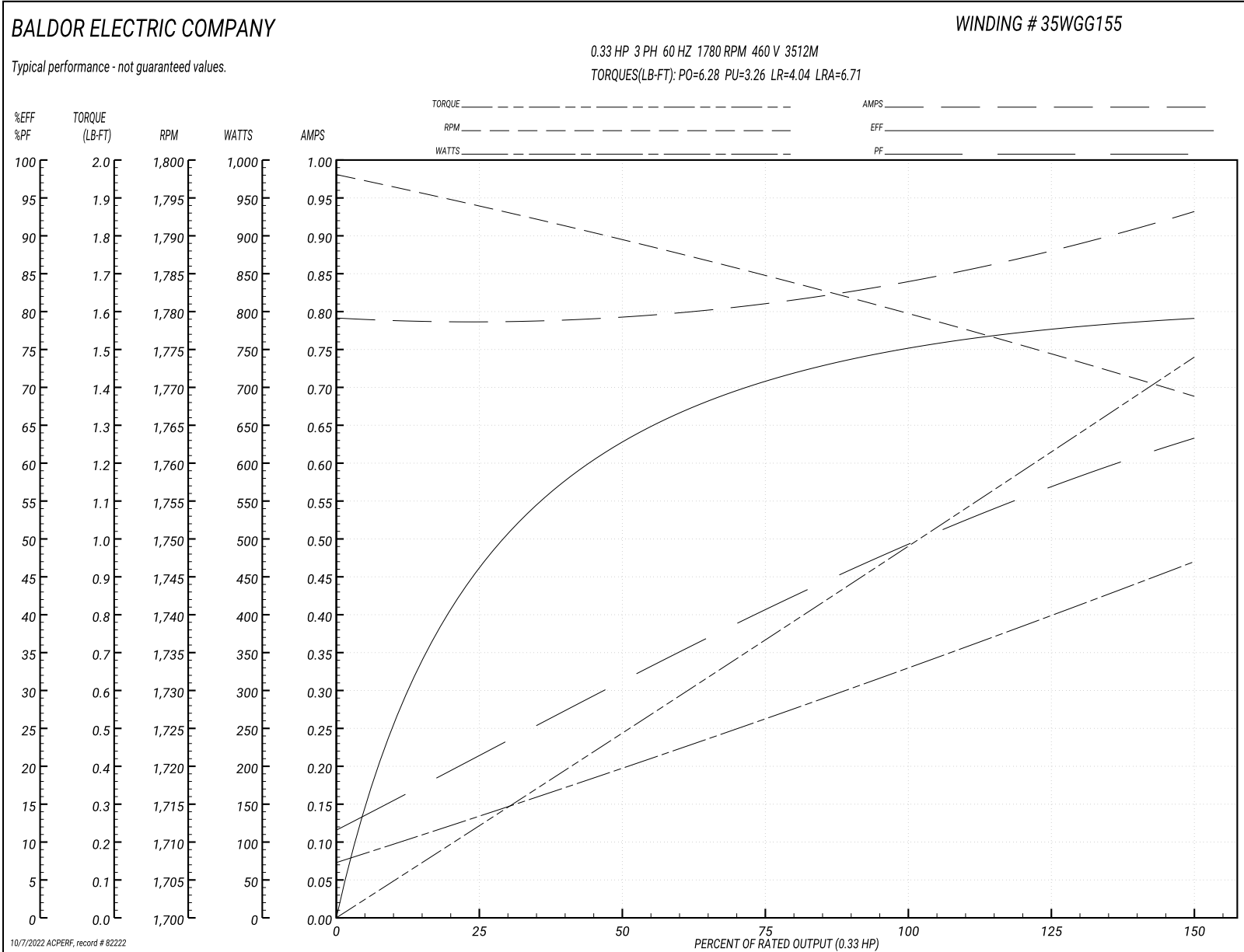
Typical performance - not guaranteed values

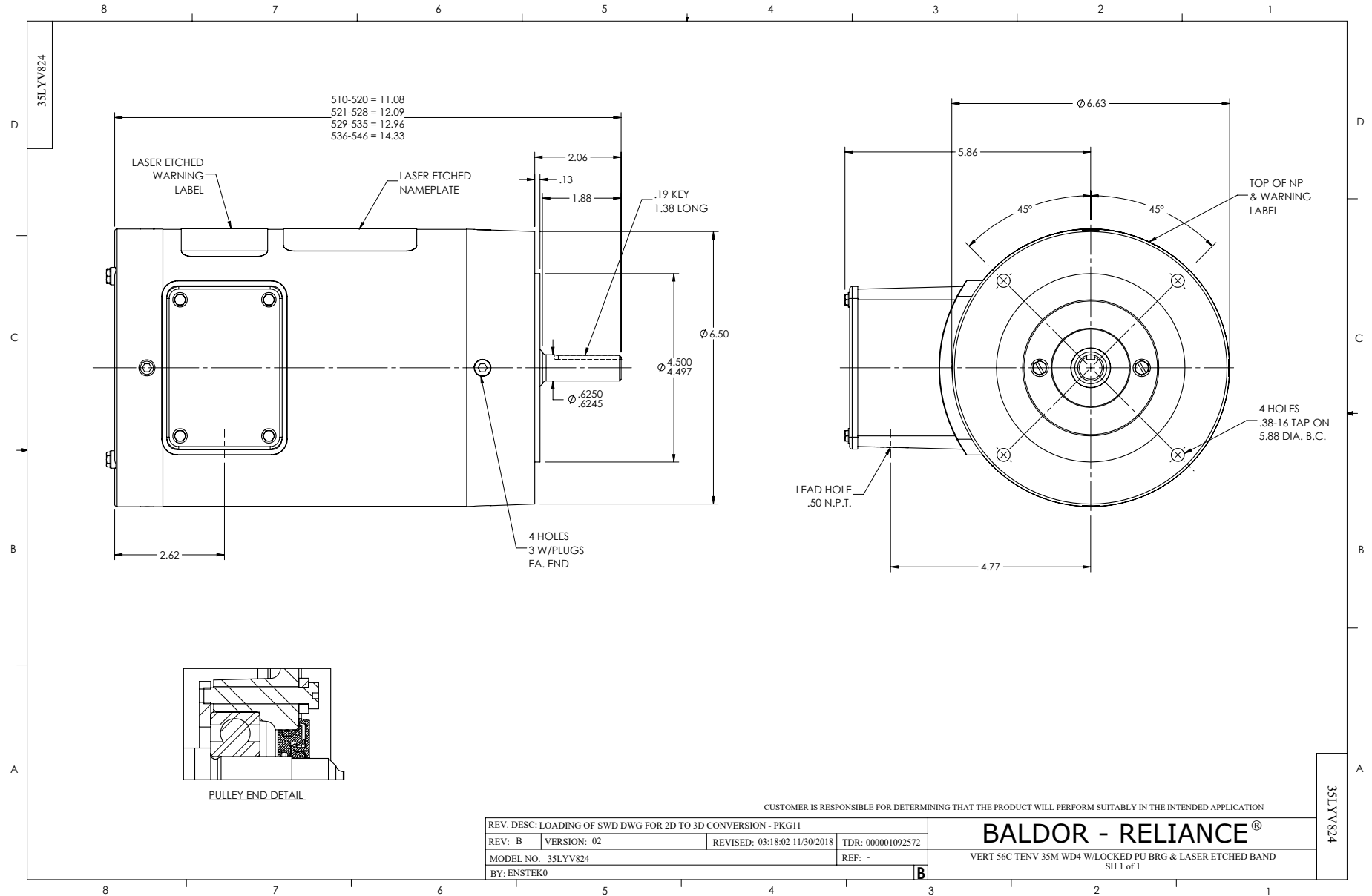
Winding: 35WGG155-R015		Type: 3512M	Enclosure: TENV	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33	Full Load Torque	0.977 LB-FT	
Volts	208-230/460	Start Configuration	direct on line	
Full Load Amps	1.5-1.7/.85	Breakdown Torque	6.28 LB-FT	
R.P.M.	1780	Pull-up Torque	3.26 LB-FT	
Hz	60 Phase	Locked-rotor Torque	4.04 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	6.71 A	
Service Factor (S.F.)	1.25	No-load Current	0.792 A	
NEMA Nom. Eff.	75.5 Power Factor	Line-line Res. @ 25°C	43.2 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	23°C	
S.F. Amps	1.9-1.8/.9	Temp. Rise @ S.F. Load	26°C	
		Locked-rotor Power Factor	70.8	
		Rotor inertia	0.0866 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	22	31	41	49	57	63	69
Efficiency	47.4	63.1	70.8	75.1	77.6	79.1	80
Speed	1794	1789	1785	1780	1774	1769	1763
Line amperes	0.786	0.791	0.814	0.839	0.878	0.933	1.06

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0005

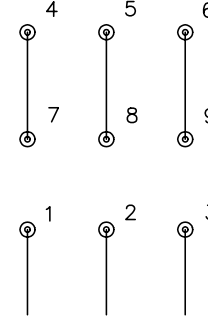


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

90000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005