Customer information packet

JMEWDM3550T

1.5HP, 3500RPM, 3PH, 60HZ, 143JM, 3528M, TENV
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	143JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	208.0 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.000 A @ 230.0 V
	4.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	N
Type	AC
Mech. spec.	35E2990
Base	
Status	PRD/A
Elec. spec.	35WGR445
Layout	35LYE2990
Eff. date	01-17-2025
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	12-04-2014

High Voltage Full Load Amps	2.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	N
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	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.28 IN
Power Factor	87
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3500 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

NP2179L											
CAT.NO.	JMEWDM3550T										
SPEC.	35E2990R445G1										
HP	1.5										
VOLTS	208-230/460										
AMP	4/2										
RPM	3500										
FRAME	143JM		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	N	**DES**	B	**CLASS**	F				
NEMA-NOM-EFF	85.5	**PF**	87								
RATING	40C AMB-CONT										
CC	010A										
DE	6206		**ODE**	6203							
ENCL	TENV	**SN**									
BLANK	20:1CT, 20:1VT, 1.00SF										

AC Induction Motor Performance Data
Record # 20327
Typical performance - not guaranteed values

Winding: 35WGR445-R006	**Type:** 3528M	**Enclosure:** TENV

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	2.3 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			4/2	**Breakdown Torque**	12 LB-FT
R.P.M.			3500	**Pull-up Torque**	8.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	11 LB-FT
NEMA Design Code	B	**KVA Code**	N	**Starting Current**	23.5 A
Service Factor (S.F.)			1.15	**No-load Current**	0.9 A
NEMA Nom. Eff.	85.5	**Power Factor**	87	**Line-line Res. @ 25ºC**	6.95 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	73°C
S.F. Amps				**Temp. Rise @ S.F. Load**	84°C
				Locked-rotor Power Factor	48.4

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	51	71	81	87	90	91	89
Efficiency	73.8	82.5	85.2	86.1	86	85.4	86
Speed	3568	3544	3519	3493	3466	3434	3477
Line amperes	1.1	1.3	1.6	1.9	2.3	2.8	2.14

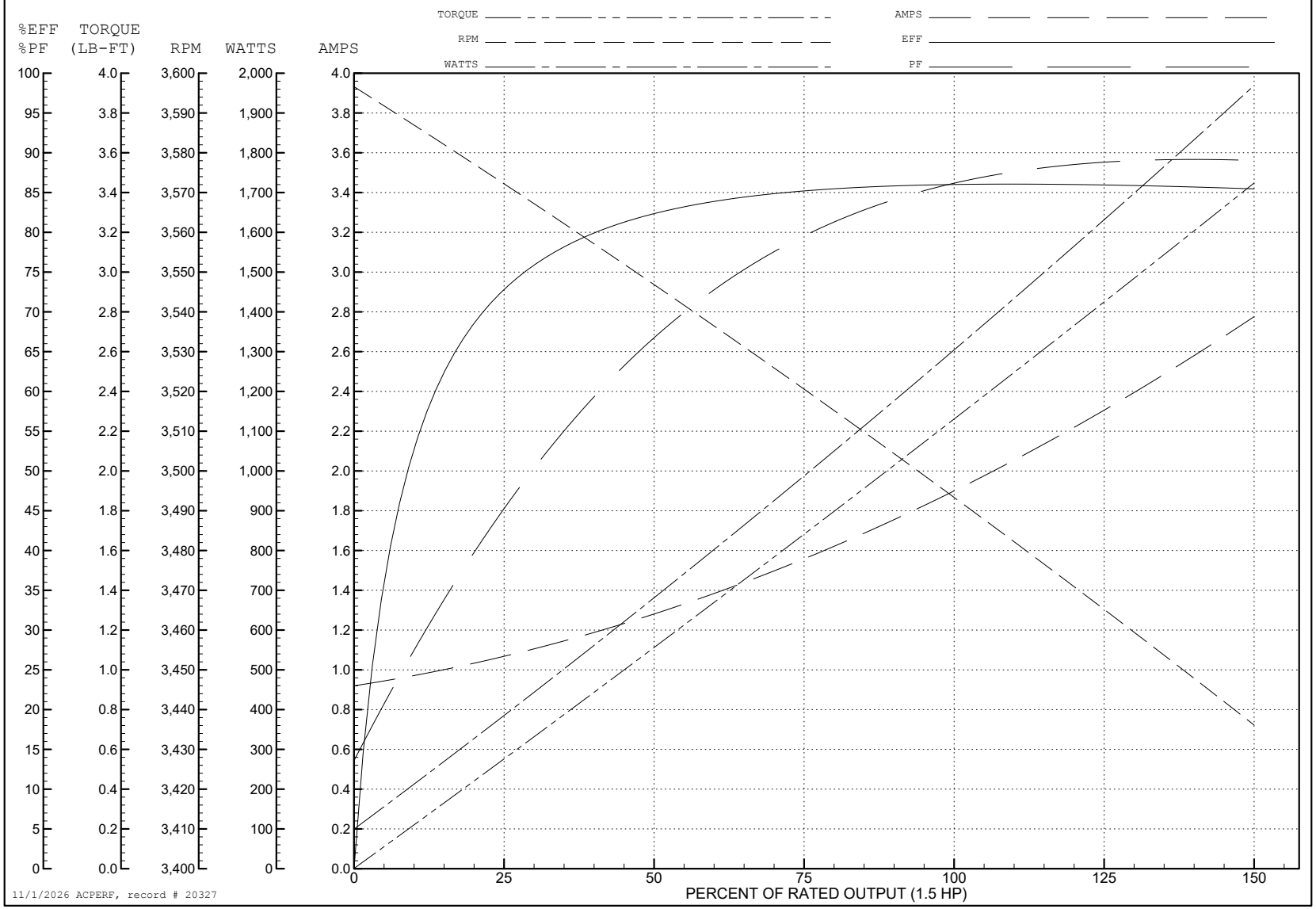
ABB Motors and Mechanical Inc.

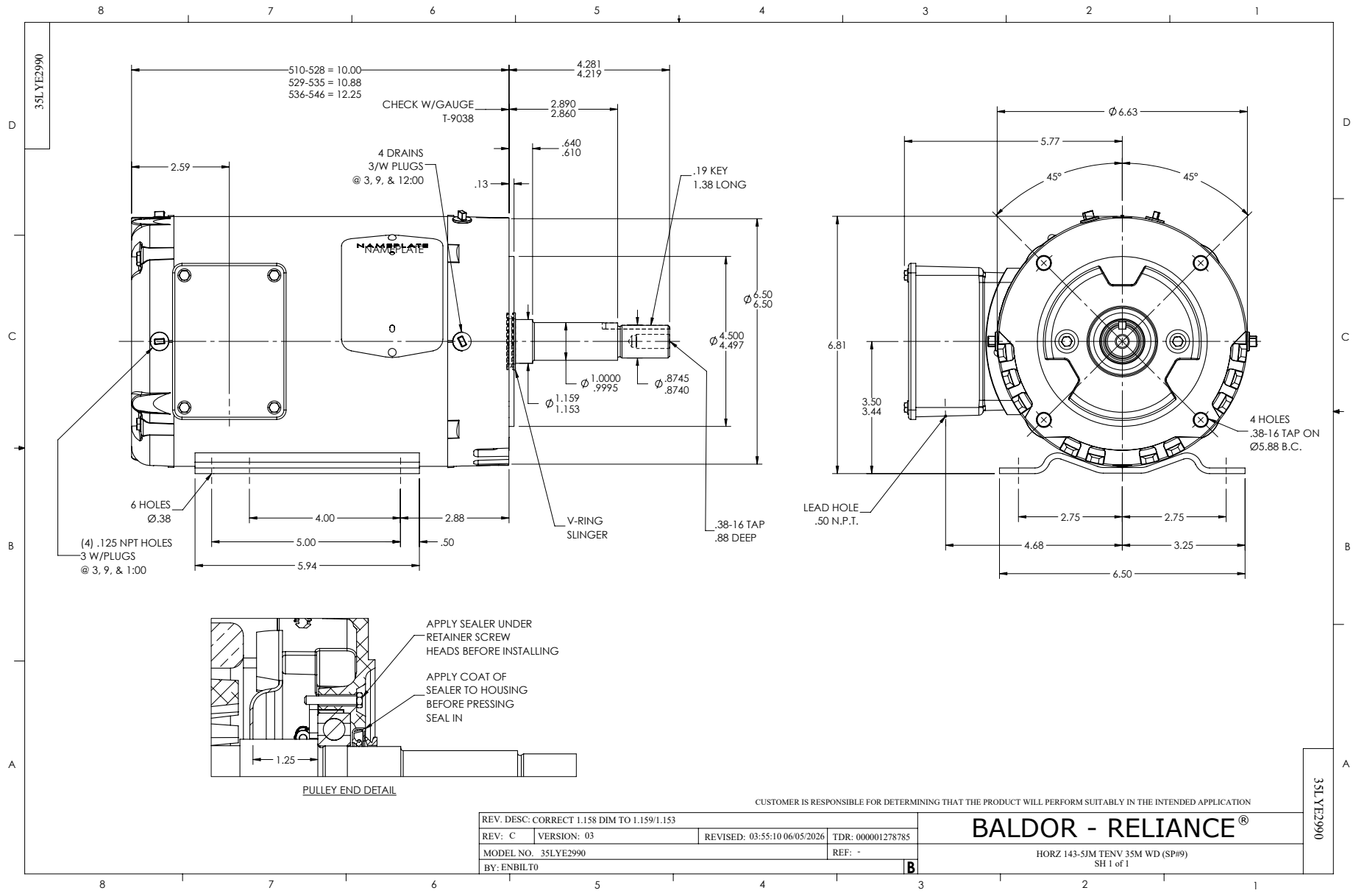
WINDING # 35WGR445

1.5 HP 3 PH 60 HZ 3500 RPM 460 V 3528M

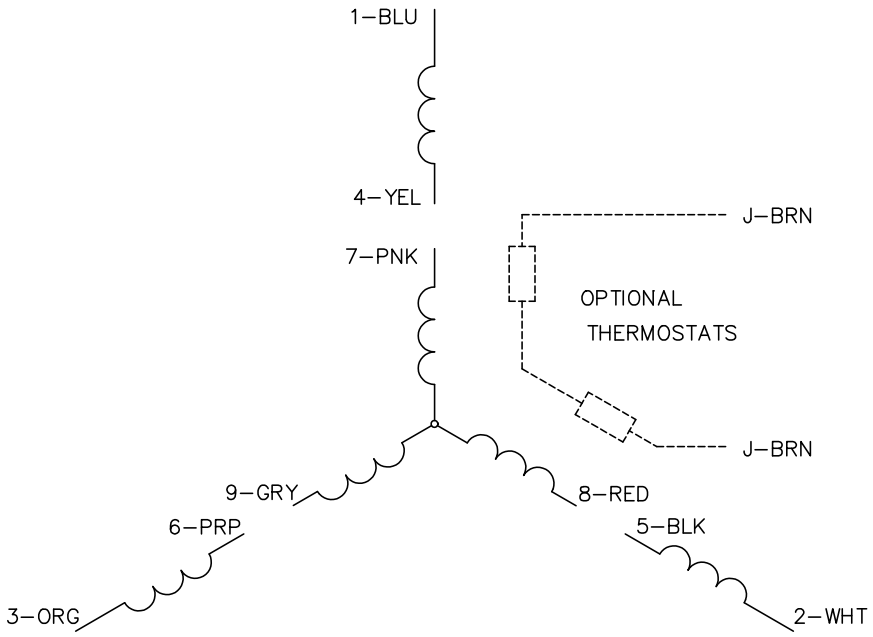
Typical performance - not guaranteed values.

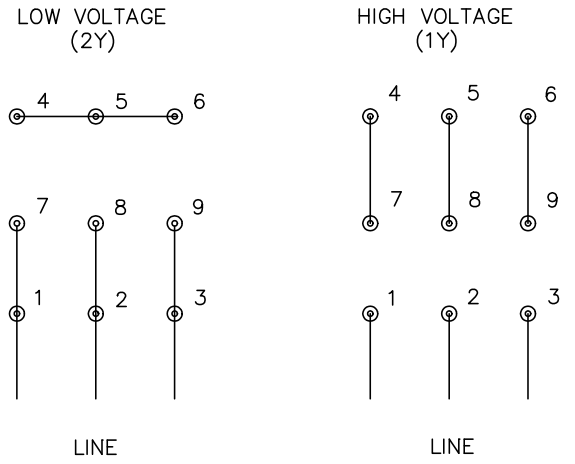
TORQUES(LB-FT): PO=12 PU=8.2 LR=11 LRA=23.5




35LYE2990
510-528 = 10.00
529-535 = 10.88
536-546 = 12.25
4.281
4.219
CHECK W/GAUGE
T-9038
2.890
2.860
.640
.610
4 DRAINS
3/W PLUGS
@ 3, 9, & 12:00
.13
.19 KEY
1.38 LONG
2.59
NAMEPLATE
Ø 6.50
6.50
Ø 4.500
4.497
Ø 1.0000
.9995
Ø .8745
.8740
Ø 1.159
1.153
6 HOLES
Ø.38
4.00
2.88
V-RING
SLINGER
.38-16 TAP
.88 DEEP
(4) .125 NPT HOLES
3 W/PLUGS
@ 3, 9, & 1:00
5.00
.50
5.94
Ø 6.63
5.77
45°
45°
6.81
3.50
3.44
4 HOLES
.38-16 TAP ON
Ø5.88 B.C.
LEAD HOLE
.50 N.P.T.
2.75
2.75
4.68
3.25
6.50
APPLY SEALER UNDER
RETAINER SCREW
HEADS BEFORE INSTALLING
APPLY COAT OF
SEALER TO HOUSING
BEFORE PRESSING
SEAL IN
1.25
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CORRECT 1.158 DIM TO 1.159/1.153
REV: C
VERSION: 03
REVISED: 03:55:10 06/05/2026
TDR: 000001278785
MODEL NO. 35LYE2990
REF: -
BY: ENBILT0
B
BALDOR - RELIANCE®
HORZ 143-5JM TENV 35M WD (SP#9)
SH 1 of 1
35LYE2990

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS