

**BALDOR • RELIANCE**

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# Customer information packet

## EM3556T

1HP, 1170RPM, 3PH, 60HZ, 145T, 3526M, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	145T
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
Insulation Class	F
Inverter Code	Inverter Ready
Lifting Lugs	No Lifting Lugs

## Part detail

Revision	M
Type	AC
Mech. spec.	35AA001
Base	
Status	PRD/A
Elec. spec.	35WGG019
Layout	35LYAA001
Eff. date	09-20-2024
CD Diagram	CD0005
Poles	06
Leads	9#18 Y
Proprietary	False
Created date	11-13-2018

<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	9 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3526M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	13.28 IN
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1155 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP3441LUA</b>									
<b>CAT.NO.</b>	EM3556T								
<b>SPEC</b>	35AA001G019G1								
<b>HP</b>	1								
<b>VOLTS</b>	230/460								
<b>AMPS</b>	3/1.5								
<b>RPM</b>	1170								
<b>FRAME</b>	145T		<b>HZ</b>	60		<b>PH</b>	3		
<b>SF</b>	1.15	<b>CODE</b>	J	<b>DES</b>	B	<b>CLASS</b>	F		
<b>NEMA NOM. EFF</b>	82.5	<b>PF</b>	67						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A								
<b>ENCL</b>	TEFC	<b>SER</b>							
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>VPWM INVERTER READY</b>	SFA 3.72/1.86								
<b>CT6-60H(10:1)VT3-60H(20:1)</b>									

**AC Induction Motor Performance Data**

Record # 77838

Typical performance - not guaranteed values

Winding: 35WGG019-R001		Type: 3526M		Enclosure: TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
Rated Output (HP)	1	Full Load Torque	4.479 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	3.0/1.5	Breakdown Torque	11.9 LB-FT		
R.P.M.	1155	Pull-up Torque	7.06 LB-FT		
Hz	60 Phase	Locked-rotor Torque	8.62 LB-FT		
NEMA Design Code	B KVA Code	Starting Current	9.06 A		
Service Factor (S.F.)	1.15	No-load Current	1.02 A		
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	20.372 Ω		
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	46°C		
S.F. Amps		Temp. Rise @ S.F. Load	56°C		
		Locked-rotor Power Factor	48		

**Load Characteristics 460 V, 60 Hz, 1 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	47	1	1	1	1	1
Efficiency	73.5	81.9	83.5	83.1	81.6	79.1	82.2
Speed	1192.5	1185.4	1177.6	1168.7	1159	1147	1163
Line amperes	1.07	1.21	1.41	1.67	1.98	2.35	1.86

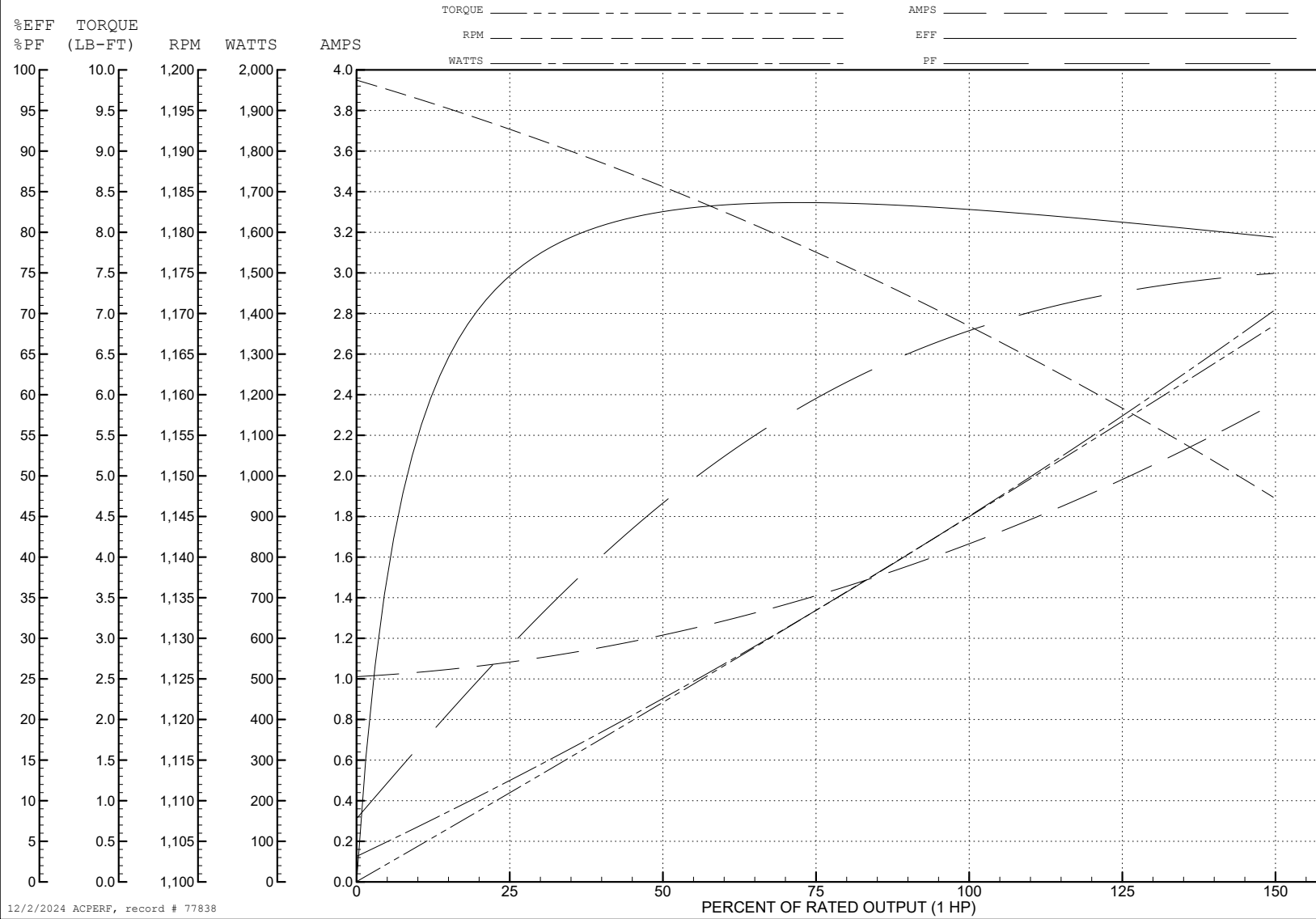
ABB Motors and Mechanical Inc.

WINDING # 35WGG019

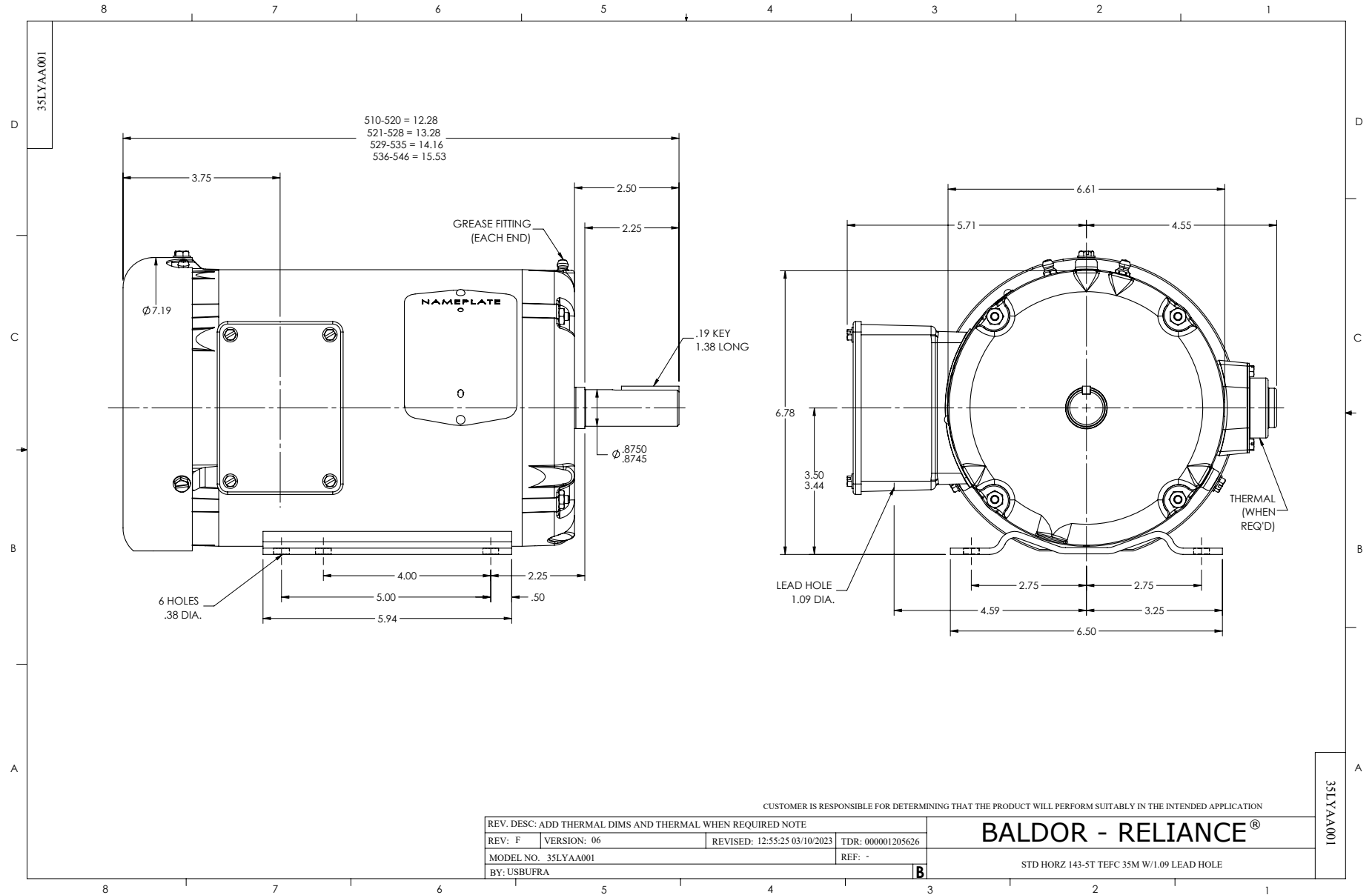
Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 1155 RPM 460 V 3526M

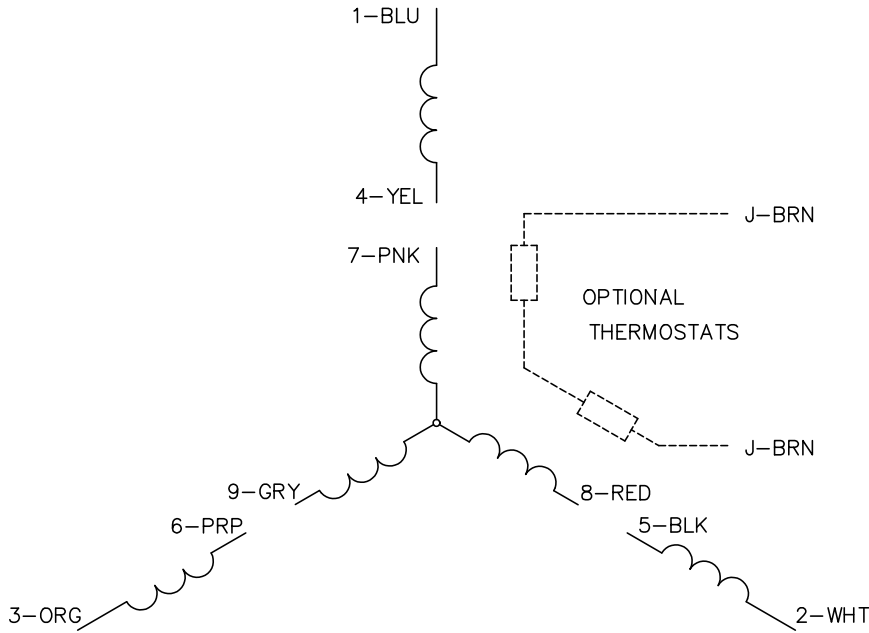
TORQUES (LB-FT): PO=11.9 PU=7.06 LR=8.62 LRA=9.06



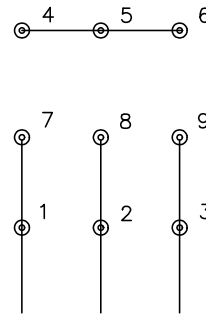
12/2/2024 ACPERF, record # 77838



CD0005

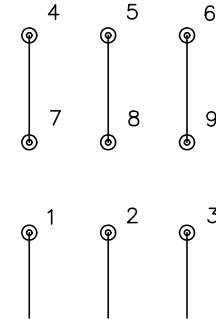


LOW VOLTAGE  
(2Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS