

BALDOR • RELIANCE

Customer information packet

M1219

.75/.33HP, 1720/1160RPM, 3PH, 60HZ, 56, 3520M

Class - None

Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56
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	.750 HP @ 60 HZ .330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
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
Current @ Voltage	1.260 A @ 460.0 V
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
High Voltage Full Load Amps	0.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J

Part detail

Revision	D
Type	AC
Mech. spec.	35B011
Base	
Status	PRD/A
Elec. spec.	35WGG354
Layout	35LYB011
Eff. date	07-02-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#18 Y
Proprietary	False
Created date	02-23-2023

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3520M
Mounting Arrangement	F1
Number of Poles	4 6
Overall Length	11.07 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1160 rpm 1720 rpm
Speed Code	2S-2W-VT
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

NP1256L										
CAT.NO.	M1219									
SPEC.	35B011G354G1									
HP	.75/.33									
VOLTS	460									
AMP	1.26/.89									
RPM	1720/1160									
FRAME	56	HZ	60	PH	3					
SER.F.	1.15	CODE	J	DES	B	CLASS	F			
NEMA-NOM-EFF		PF								
RATING	40C AMB-CONT									
CC										
DE	6205	ODE	6203							
ENCL	OPEN	SN								
	SFA 1.45									

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 87829

Preliminary Data Sheet

Winding: 35WGG354-R002		Type: 3520M	Enclosure: OPEN
Nameplate Data		460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	.75/.33	Full Load Torque	2.29 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	1.26/.89	Breakdown Torque	6.93 LB-FT
R.P.M.	1720/1160	Pull-up Torque	4.25 LB-FT
Hz	60 Phase 3	Locked-rotor Torque	5.54 LB-FT
NEMA Design Code	B KVA Code J	Starting Current	7.21 A
Service Factor (S.F.)	1.15	No-load Current	0.865 A
NEMA Nom. Eff.	0 Power Factor 0	Line-line Res. @ 25°C	44.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	60°C
S.F. Amps		Temp. Rise @ S.F. Load	77°C
		Locked-rotor Power Factor	89.5
		Rotor inertia	0.144 lb-ft ²

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	54	69	76	83	87	83
Efficiency	54.3	67.9	71.9	73	72	69.5	72
Speed	1781	1763	1744	1722	1695	1662	1695
Line amperes	0.907	0.994	1.08	1.26	1.45	1.69	1.45

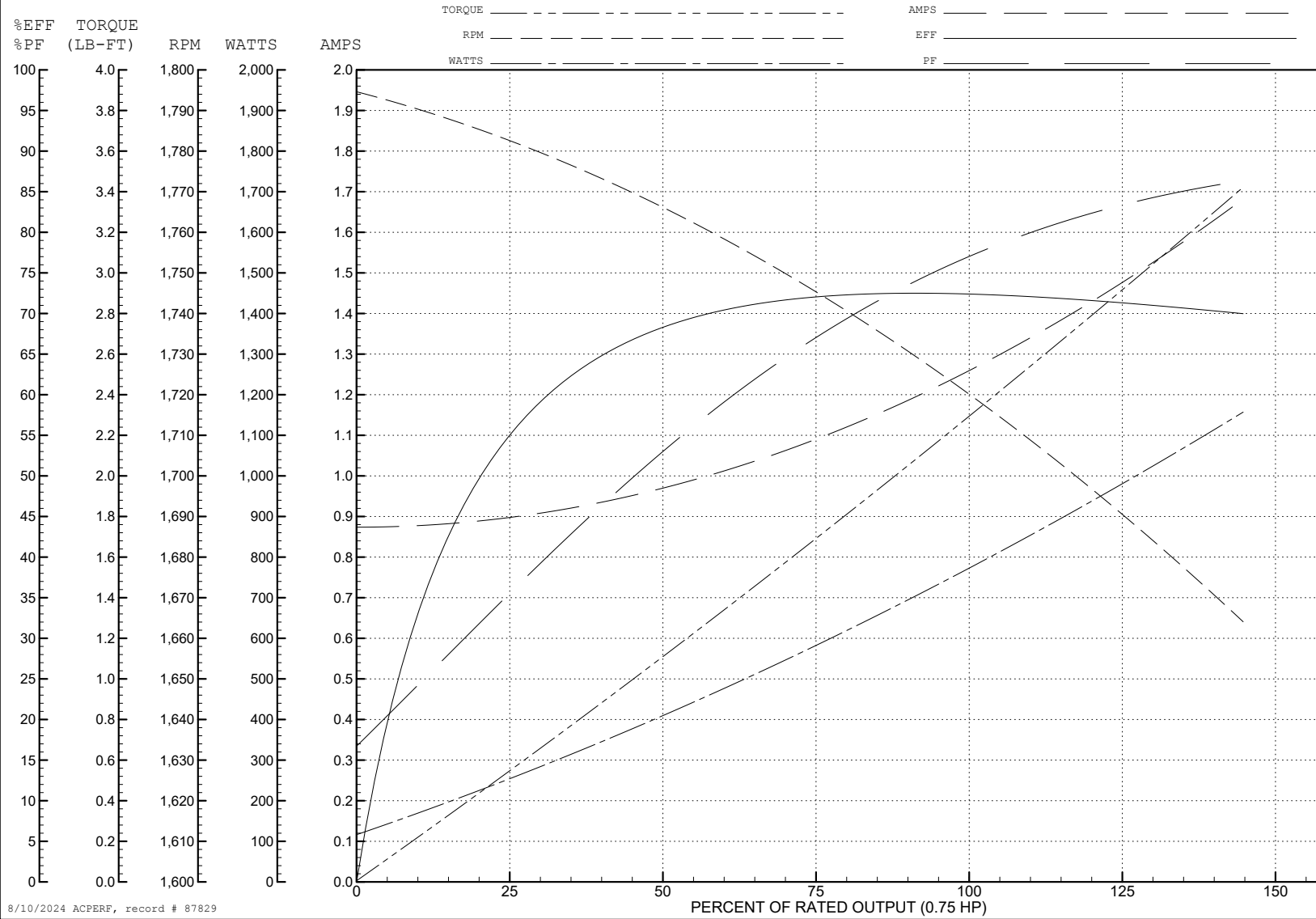
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WINDING # 35WGG354

0.75 HP 3 PH 60 HZ 1722 RPM 460 V 3520M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=6.93 PU=4.25 LR=5.54 LRA=7.21



8/10/2024 ACPERF, record # 87829

AC Induction Motor Performance Data

Record # 87830

Preliminary Data Sheet

Winding: 35WGG354-R002		Type: 3520M	Enclosure: OPEN
Nameplate Data		460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	.75/.33	Full Load Torque	1.48 LB-FT
Volts	460	Start Configuration	direct on line
Full Load Amps	1.26/.89	Breakdown Torque	5.93 LB-FT
R.P.M.	1720/1160	Pull-up Torque	2.76 LB-FT
Hz	60 Phase	Locked-rotor Torque	4.06 LB-FT
NEMA Design Code	B KVA Code	Starting Current	4.11 A
Service Factor (S.F.)	1.15	No-load Current	0.846 A
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	81.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	
		Locked-rotor Power Factor	87.8
		Rotor inertia	0.144 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	27	36	45	54	61	68	61
Efficiency	34.1	50.2	58.9	63.9	66.7	68.1	66.7
Speed	1192	1186	1179	1172	1164	1155	1164
Line amperes	0.844	0.851	0.87	0.901	0.944	1	0.944

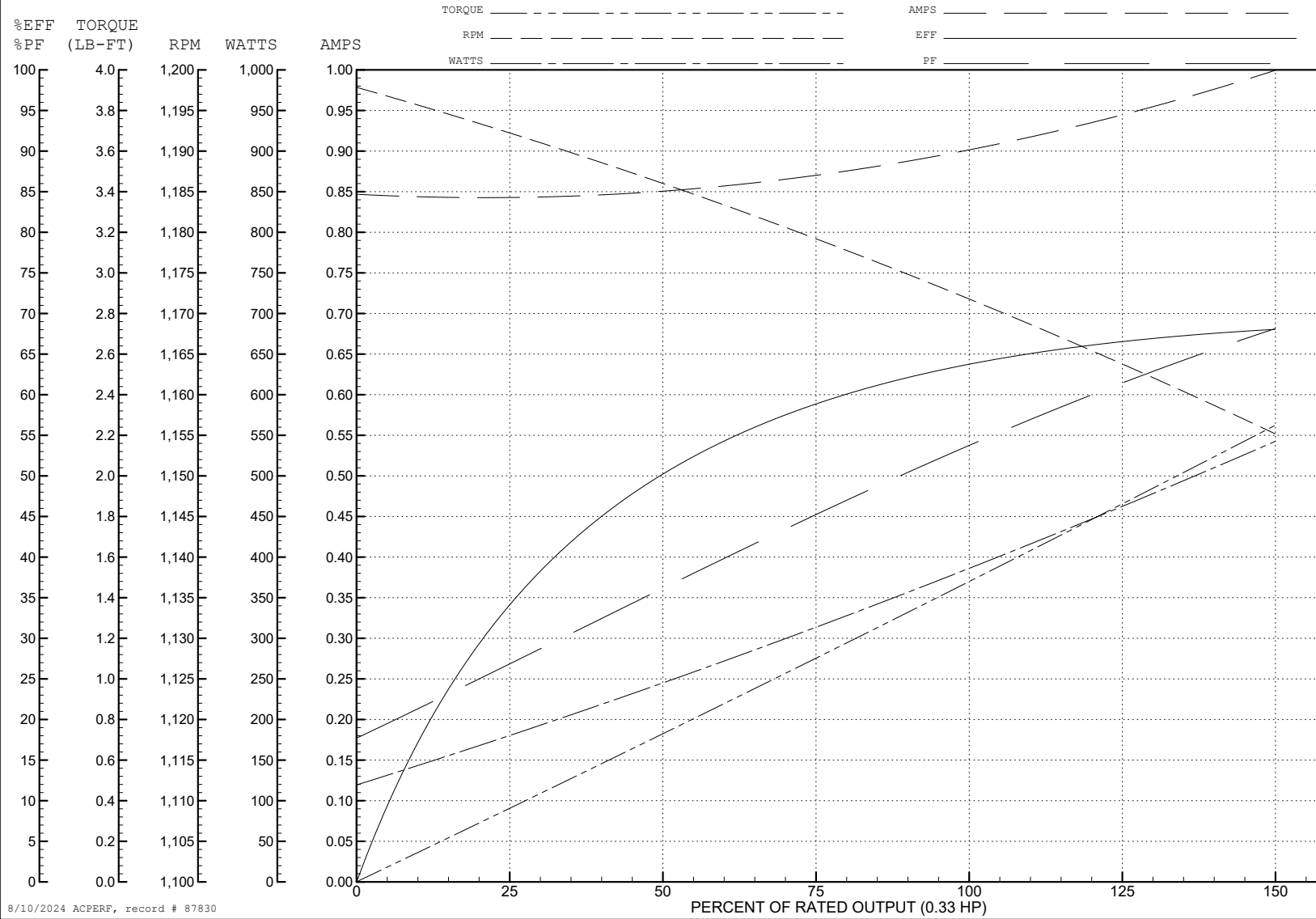
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WINDING # 35WGG354

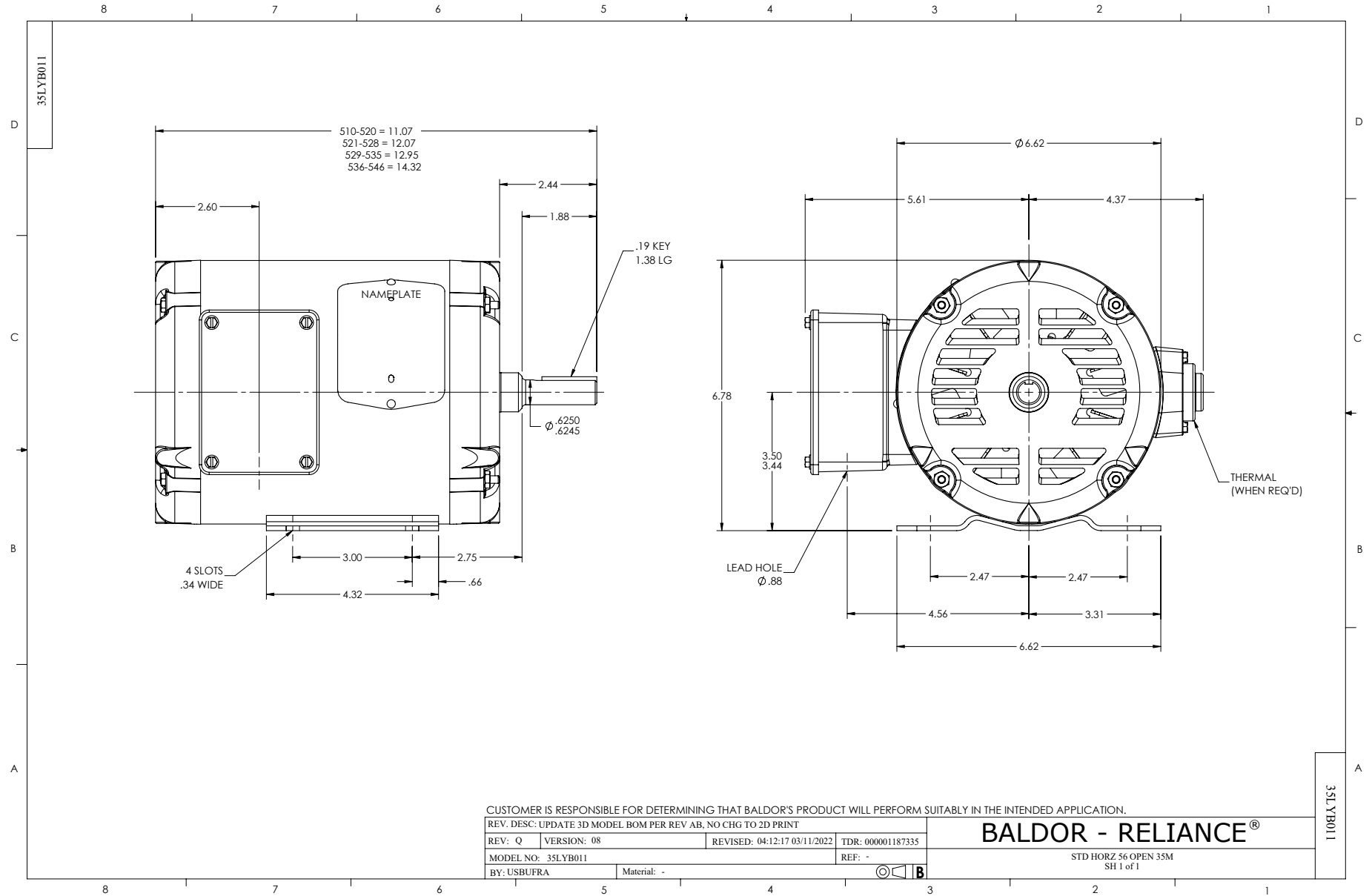
0.33 HP 3 PH 60 HZ 1172 RPM 460 V 3520M

Typical performance - not guaranteed values.

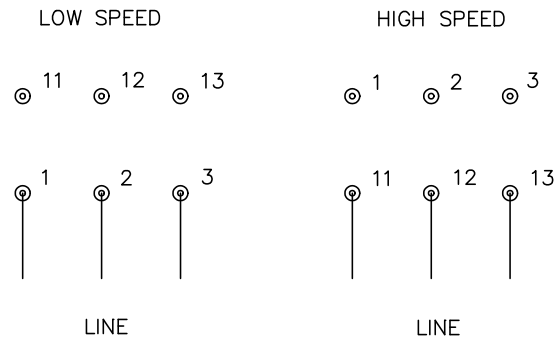
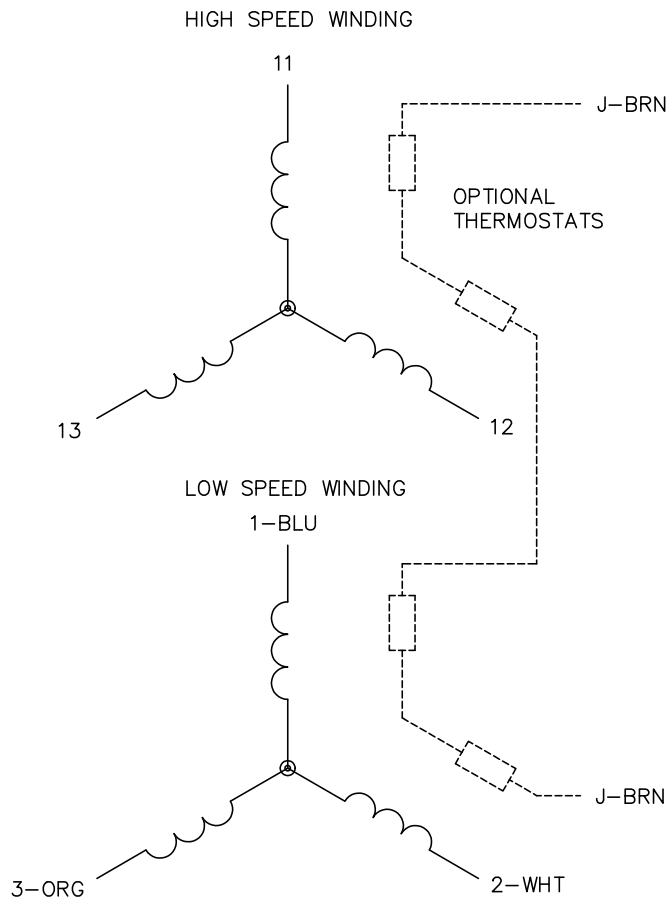
TORQUES (LB-FT): PO=5.93 PU=2.76 LR=4.06 LRA=4.11



8/10/2024 ACPERF, record # 87830



CD0013



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 VARY.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0013

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
Ω 10000		FILE: AAA00005143	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 2-WINDING