

BALDOR • RELIANCE

Customer information packet

VEUHM3546-5

1/.75KWHP, 1774 1/MINRPM, 3PH, 60HZ, 56C, 352

Class - None

Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	56C
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	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CE CSA EEV NEMA PREMIUM NEMA_PREMIUM UR WEEE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.300 A @ 575.0 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 Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	E
Type	AC
Mech. spec.	35X042
Base	
Status	PRD/A
Elec. spec.	35WGG119
Layout	35LYX042
Eff. date	04-16-2024
CD Diagram	CD0006
Poles	04
Leads	3#18 Y
Proprietary	False
Created date	01-10-2022

High Voltage Full Load Amps	1.3 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522M
Mounting Arrangement	F3
Number of Poles	4
Overall Length	13.23 IN
Power Factor	67
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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	1774 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

NP2934L							
CAT.NO.	VEUHM3546-5						
SPEC.	35X042G119G1						
HP	1/.75KW						
VOLTS	575						
AMP	1.3 IP44 IC411 17KG						
R.P.M. (1/MIN)	1775						
FRAME	56C	HZ	60	PH	3		
SER.F.	1.15	CODE	M	DES	B	CL	F
NEMA-NOM-EFF	85.5	PF	70				
RATING	40C AMB-S1 CONT						
CC	010A						
DE	6205	ODE	6203				
ENCL	TEFC	SN					
	IE3-84.9(75%)81.6(50%)						

AC Induction Motor Performance Data

Record # 99012

Typical performance - not guaranteed values

Winding: 35WGG119-R001		Type: 3522M		Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	1	Full Load Torque	2.99 LB-FT		
Volts	575	Start Configuration	direct on line		
Full Load Amps	1.3	Breakdown Torque	13.4 LB-FT		
R.P.M.	1775	Pull-up Torque	6.8 LB-FT		
Hz	60	Locked-rotor Torque	8.3 LB-FT		
NEMA Design Code	Phase 3	Starting Current	10.9 A		
Service Factor (S.F.)	B KVA Code M	No-load Current	0.87 A		
NEMA Nom. Eff.	85.5	Line-line Res. @ 25°C	30.1 Ω		
Rating - Duty	Power Factor 70	Temp. Rise @ Rated Load	36°C		
S.F. Amps	40C AMB-CONT	Temp. Rise @ S.F. Load	42°C		
		Locked-rotor Power Factor	63.4		
		Rotor inertia	0.159 lb-ft ²		

Load Characteristics 575 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	48	61	70	76	80	74
Efficiency	72.1	81.6	84.9	85.8	85.7	85	85.7
Speed	1794	1787	1781	1774	1767	1758	1770
Line amperes	0.89	0.97	1.1	1.26	1.44	1.65	1.37

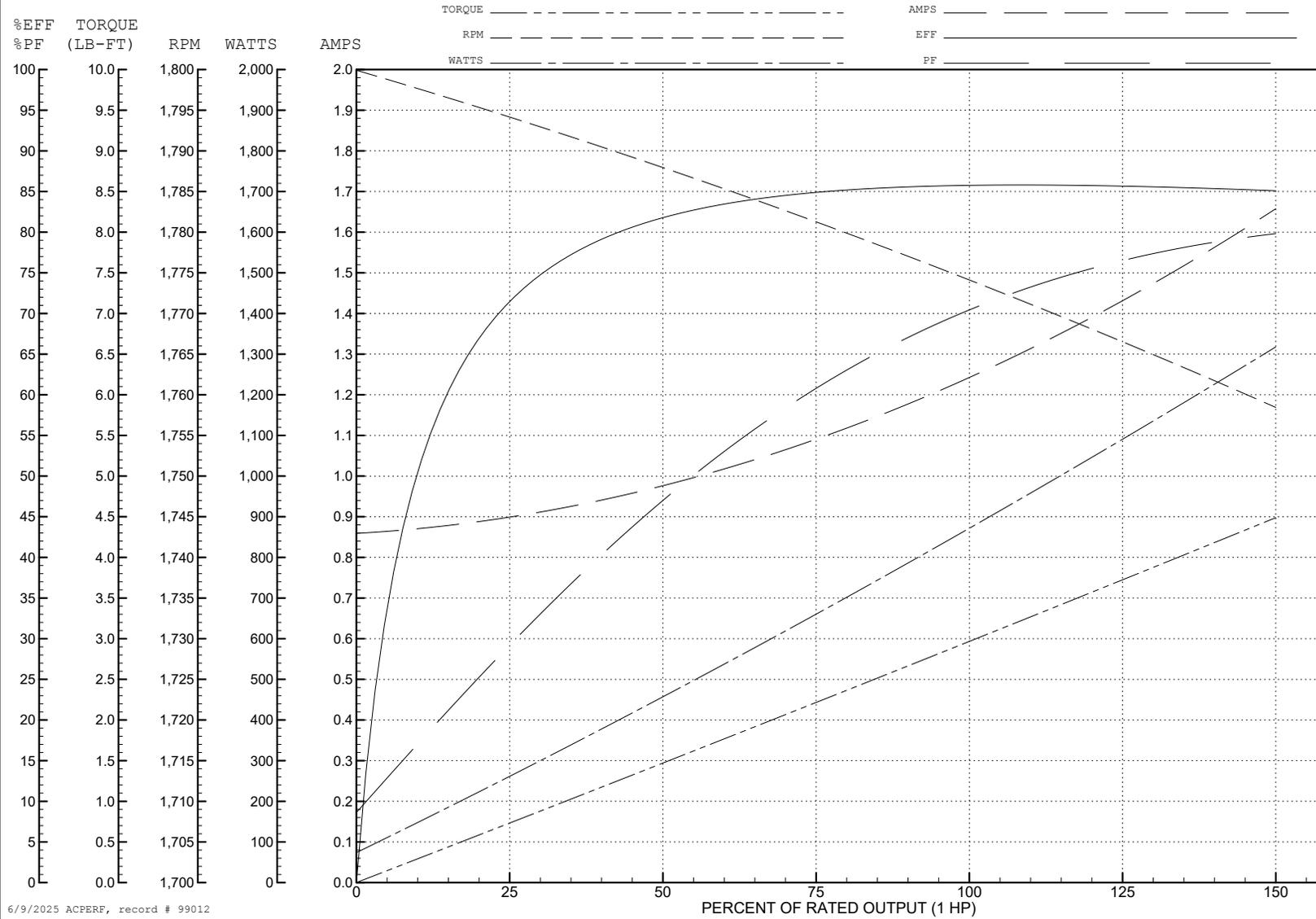
ABB Motors and Mechanical Inc.

WINDING # 35WGG119

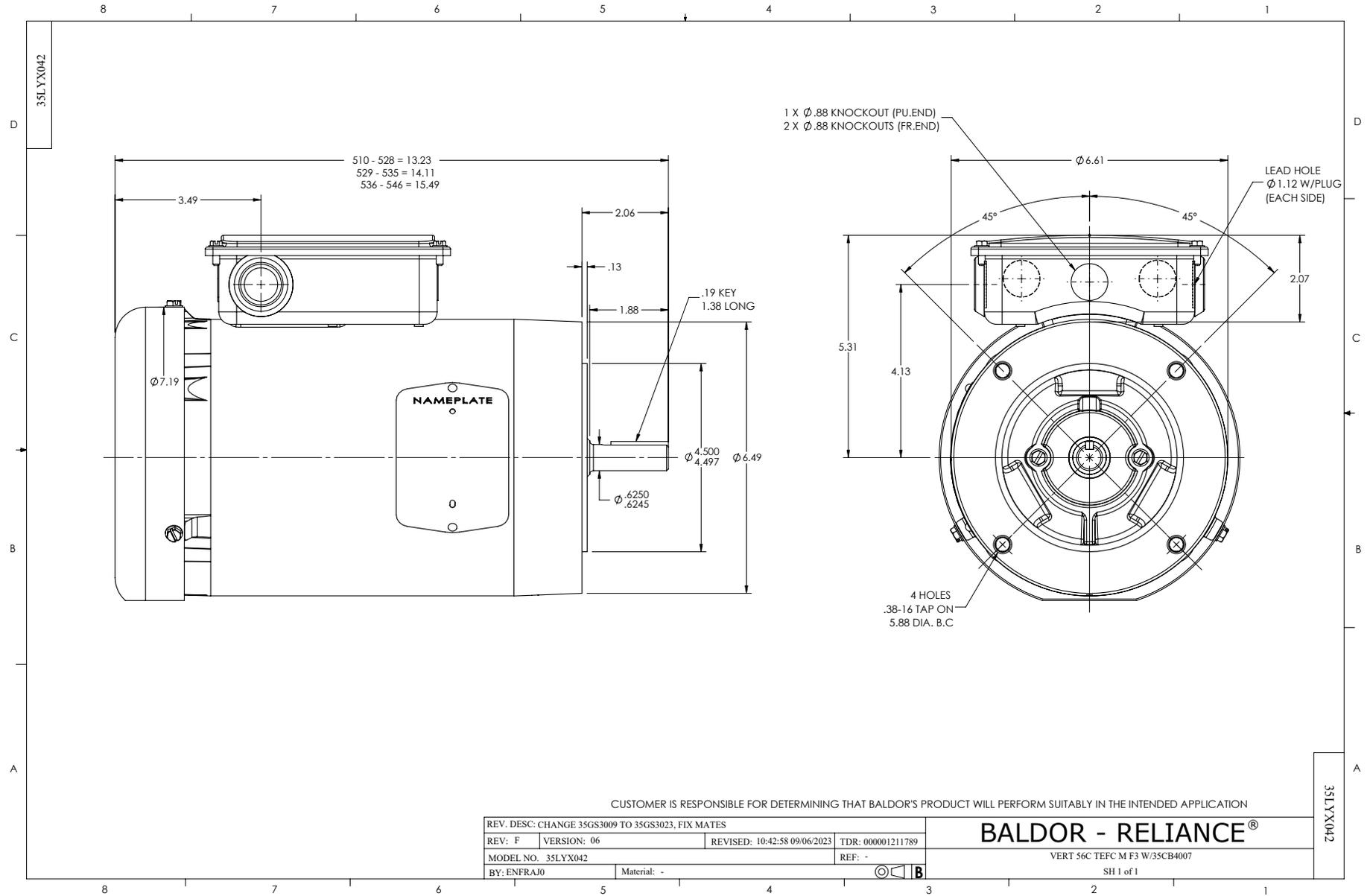
1 HP 3 PH 60 HZ 1775 RPM 575 V 3522M

Typical performance - not guaranteed values.

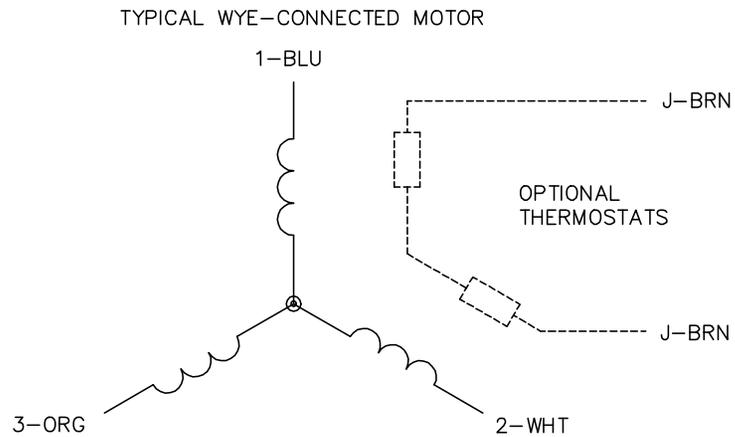
TORQUES (LB-FT): PO=13.4 PU=6.8 LR=8.3 LRA=10.9



6/9/2025 ACPERF, record # 99012



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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