

BALDOR • RELIANCE

Customer information packet

VUHL3519

1/.75KWHP, 1745RPM, 1PH, 60HZ, 56C, 3526LC, TE

Class - None

Division - Not Applicable

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6/9/2025 4:43:00 AM

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	Cap Start, Cap Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US CE CURUS UKCA 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	9.800 A @ 115.0 V 5.100 A @ 208.0 V 4.900 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part detail

Revision	C
Type	AC
Mech. spec.	35E022
Base	
Status	PRD/A
Elec. spec.	35WGG590
Layout	35LYE022
Eff. date	07-02-2024
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	10-09-2023

Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.23 IN
Power Factor	90
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	1745 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

NP1372L										
CAT.NO.	VUHL3519									
SPEC.	35E022G590									
HP	1/.75KW									
VOLTS	115/208-230									
AMP	9.8/5.1-4.9									
R.P.M. (1/MIN)	1745									
FRAME	56C		HZ	60		PH	1			
SER.F.	1.15	CODE	L	DES	L	CL	F			
NEMA-NOM-EFF	78	PF	90							
RATING	40C AMB-S1 CONT									
CC			IP44 IC411 27KG							
DE	6205		ODE	6203						
ENCL	TEFC	SN								
	IE2-60HZ 78(75%),73(50%)									

AC Induction Motor Performance Data

Record # 101476

Typical performance - not guaranteed values

Winding: 35WGG590-R001		Type: 3526LC		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1	Full Load Torque		3.061 LB-FT
Volts		115/208-230	Start Configuration		direct on line
Full Load Amps		9.8/5.1-4.9	Breakdown Torque		10.6 LB-FT
R.P.M.		1745	Pull-up Torque		7.64 LB-FT
Hz	60 Phase	1	Locked-rotor Torque		11.7 LB-FT
NEMA Design Code	L KVA Code	L	Starting Current		40 A
Service Factor (S.F.)		1.15	No-load Current		2.7 A
NEMA Nom. Eff.	78 Power Factor	90	Line-line Res. @ 25°C		2.6387 Ω A Ph 1.4489 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		53°C
S.F. Amps		11/5.9-5.5	Temp. Rise @ S.F. Load		62°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	69	79	86	89	91	88
Efficiency	58.6	73.2	78.2	79.7	79.1	77.2	79.3
Speed	1784.6	1772.8	1760	1745.1	1727.5	1707.7	1735
Line amperes	2.86	3.32	4.01	4.84	5.83	7.01	5.43

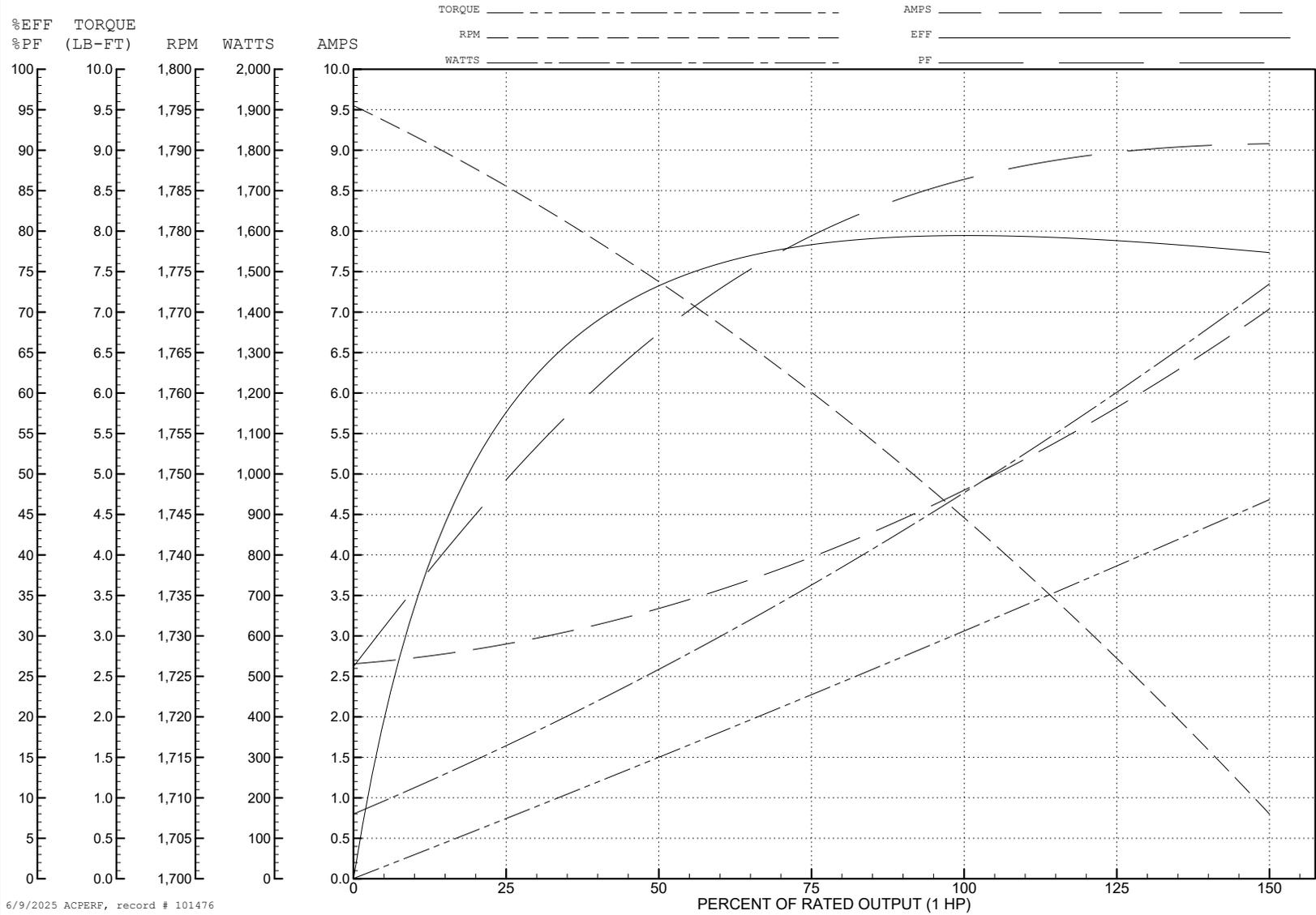
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WINDING # 35WGG590

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1745 RPM 230 V 3526LC

TORQUES (LB-FT): PO=10.6 PU=7.64 LR=11.7 LRA=40



6/9/2025 ACPERF, record # 101476

AC Induction Motor Performance Data

Record # 101477

Typical performance - not guaranteed values

Winding: 35WGG590-R001		Type: 3526LC		Enclosure: TEFC	
Nameplate Data			208 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1	Full Load Torque		3.056 LB-FT
Volts		115/208-230	Start Configuration		direct on line
Full Load Amps		9.8/5.1-4.9	Breakdown Torque		6.76 LB-FT
R.P.M.		1745	Pull-up Torque		5.4 LB-FT
Hz	60 Phase	1	Locked-rotor Torque		7.69 LB-FT
NEMA Design Code	L	KVA Code	L	Starting Current	35.1 A
Service Factor (S.F.)		1.15	No-load Current		2.02 A
NEMA Nom. Eff.	78	Power Factor	90	Line-line Res. @ 25°C	2.6174 Ω A Ph 1.4374 Ω B Ph
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		50°C
S.F. Amps		11/5.9-5.5	Temp. Rise @ S.F. Load		63°C

Load Characteristics 208 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	78	86	90	92	93	91
Efficiency	63.7	76.2	79.3	79.1	76.4	71.7	77.5
Speed	1782.4	1767.7	1751.1	1730.8	1705.4	1670.8	1716
Line amperes	2.34	3.04	3.95	5.04	6.38	8.09	5.84

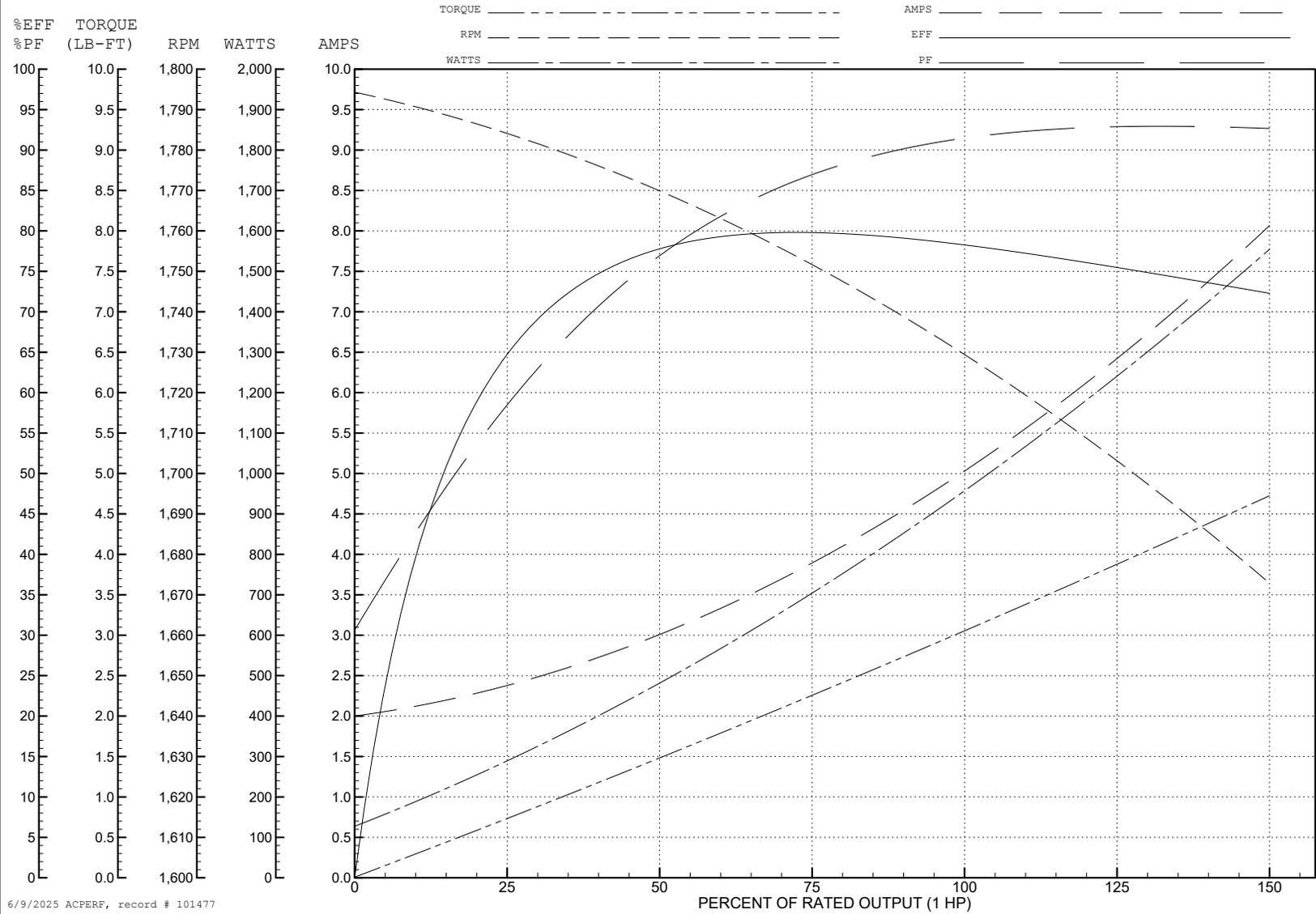
ABB Motors and Mechanical Inc.

WINDING # 35WGG590

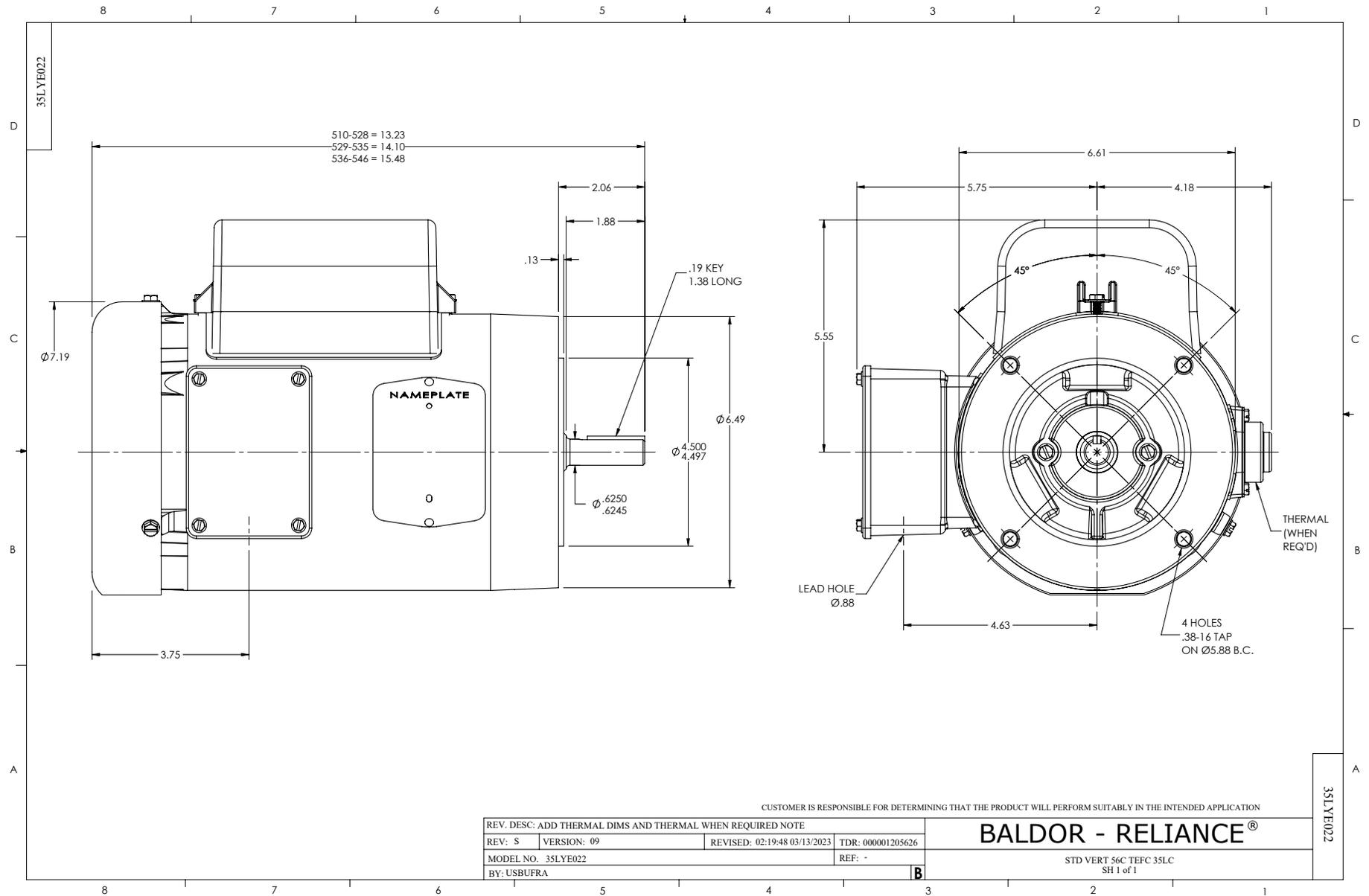
Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1745 RPM 208 V 3526LC

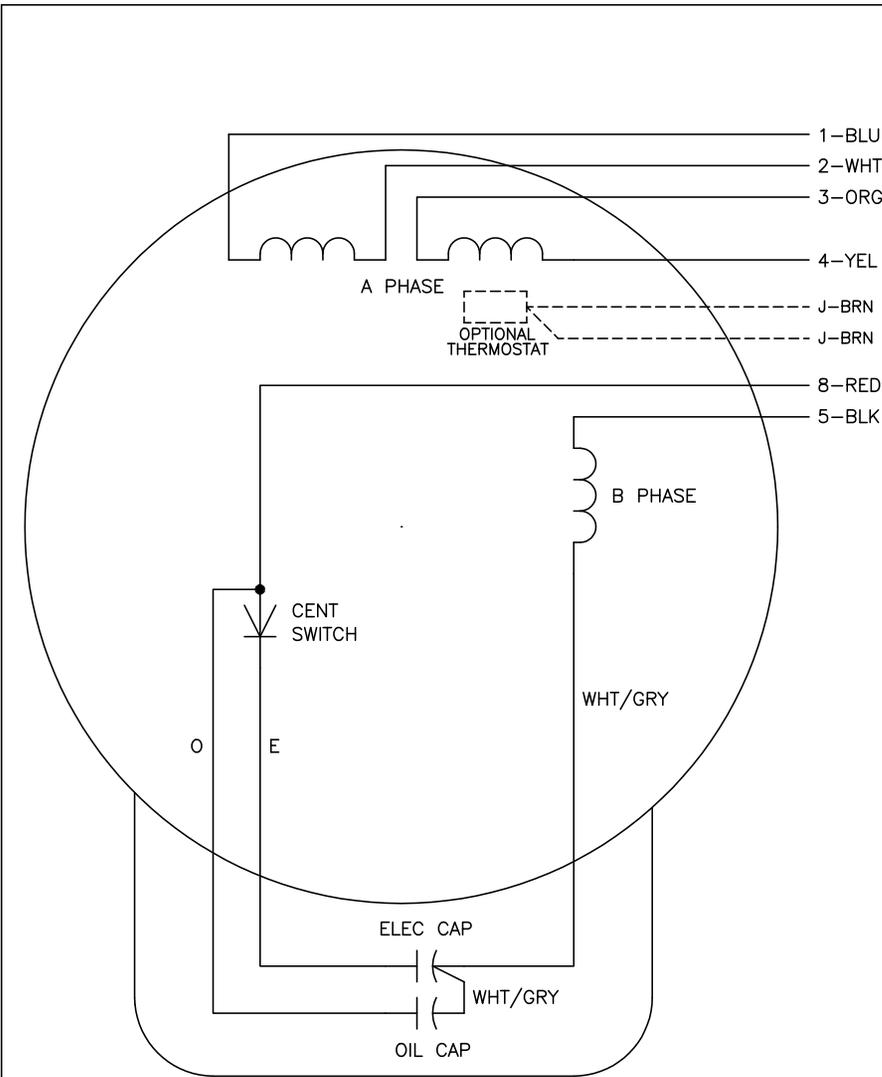
TORQUES (LB-FT): PO=6.76 PU=5.4 LR=7.69 LRA=35.1



6/9/2025 ACPERF, record # 101477



CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS