



Customer information packet

IDVSNM3546-5

1HP, 1770RPM, 3PH, 60HZ, 56C, 3522M, TENV, F1, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TENV
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	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	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
High Voltage Full Load Amps	1.3 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	N

Part detail

Revision	C
Type	AC
Mech. spec.	35T995
Base	
Status	PRD/A
Elec. spec.	35WGG198
Layout	35LYT995
Eff. date	09-30-2025
CD Diagram	CD0006
Poles	04
Leads	3#18
Proprietary	False
Created date	03-11-2022

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.84 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	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4615L									
CAT NO	IDVSNM3546-5								
SPEC.	35T995G198G1							ENCL	TENV
FRAME	56C		HP	1 TE					
VOLTS	575								
MAG CUR	0.97			FLA	1.3				
RPM	1775		RPM MAX	2700					
HZ	60		PH	3	CLASS	F			
SER.F.	1.00			SL HZ	0.9				
NEMA-NOM-EFF	85.5		WK2	0.159					
RATING	40C AMB-CONT								
DE BRG	6205		ODE BRG	6203					
CC	010A	SN							
	1.5:1 CHP PWM								
	1000:1 CT/VT								

AC Induction Motor Performance Data

Record # 82152

Typical performance - not guaranteed values

Winding: 35WGG198-R002		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	16.37 LB-FT
R.P.M.	1770	Pull-up Torque	7.31 LB-FT
Hz	60 Phase	Locked-rotor Torque	10.16 LB-FT
NEMA Design Code	B KVA Code	Starting Current	12.72 A
Service Factor (S.F.)	1	No-load Current	0.972 A
NEMA Nom. Eff.	85.5 Power Factor	Line-line Res. @ 25°C	22.9 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	63°C
S.F. Amps	1.4	Temp. Rise @ S.F. Load	
		Locked-rotor Power Factor	59.6
		Rotor inertia	0.159 lb-ft ²

Load Characteristics 575 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	28	44	56	67	73	78
Efficiency	71.2	81.2	84.4	86	85.7	85.1
Speed	1793	1786	1781	1773	1766	1757
Line amperes	0.988	1.06	1.18	1.32	1.49	1.69

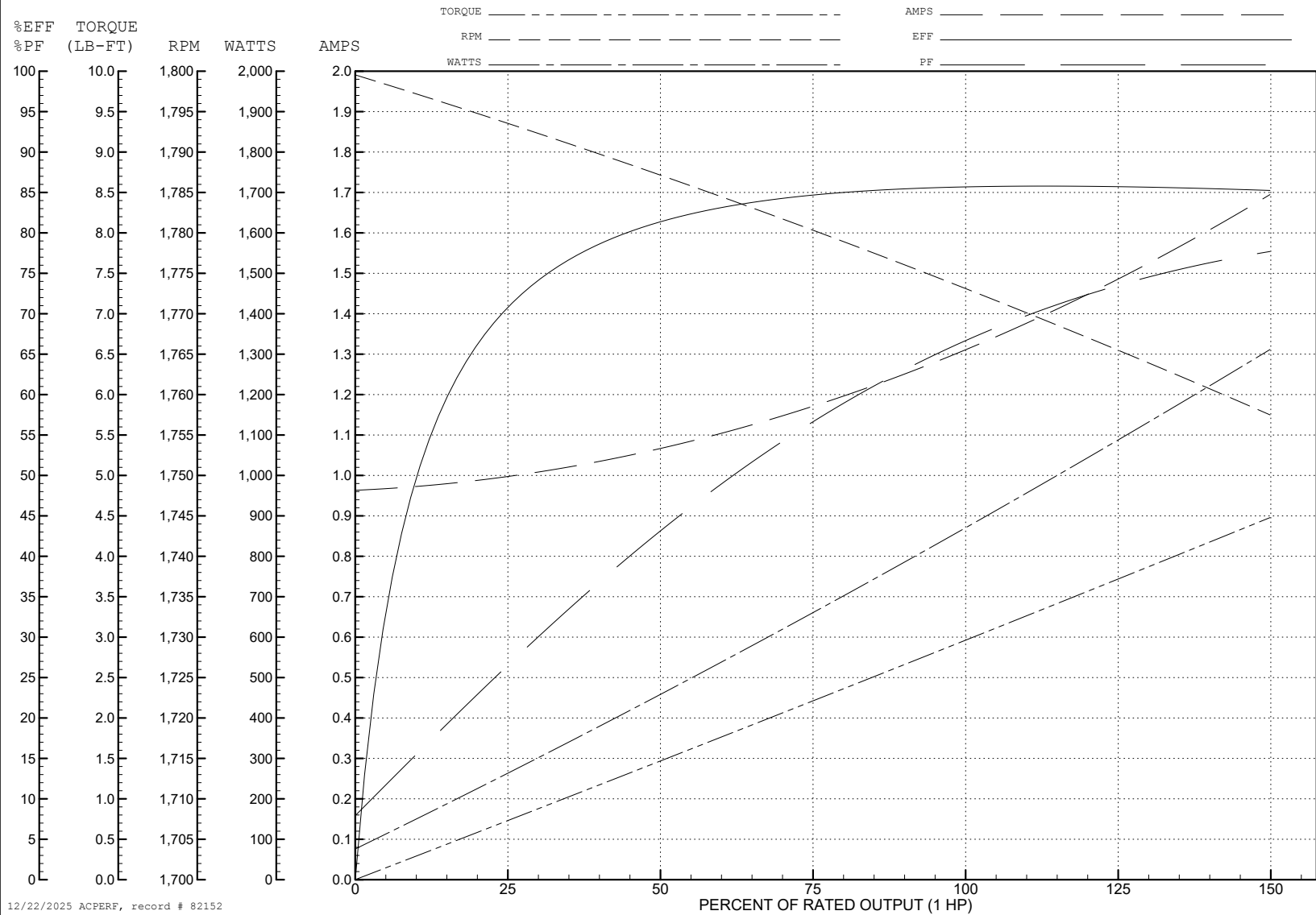
ABB Motors and Mechanical Inc.

WINDING # 35WGG198

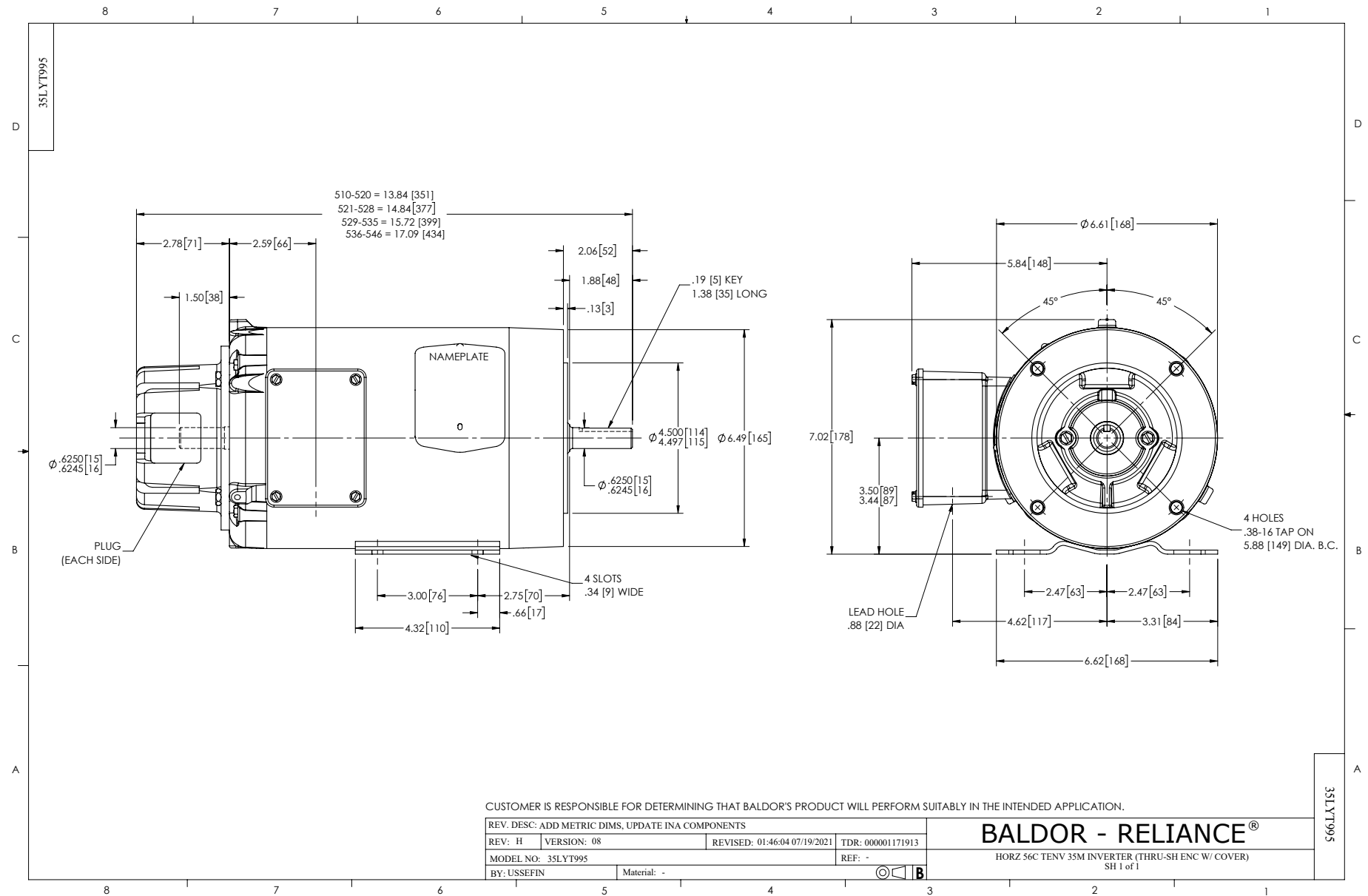
Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 1770 RPM 575 V 3522M

TORQUES (LB-FT): PO=16.37 PU=7.31 LR=10.16 LRA=12.72



12/22/2025 ACPERF, record # 82152



CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

J-BRN

OPTIONAL THERMOSTATS

J-BRN

3-ORG

2-WHT

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

J-BRN

2-WHT

OPTIONAL THERMOSTATS

J-BRN

3-ORG

1

2

3

LINE

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

REV. DESC: ADD CLASS CONN00000007			BALDOR - RELIANCE® 3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED SH 1 of 1
REV. LTR: E	VERSION: 01	TDR: 000001099922	
FILE: \AAA\00005\141	REVISED: 10: 24: 49 02/19/2019	BY: ENBRIRO	
MTL: —			

35WGG184: Electrical Design

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