BALDOR • RELIANCE

Customer information packet

GNEM3556T

1HP//.75KW, 1170//965RPM, 3PH, 60//50HZ, 145
Class - None
Division - Not Applicable

12/22/2025 2:37:17 PM

Specifications

Enclosure	TEFC
Frame	145T
Frame Material	Steel
Frequency	50.00 Hz
	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
	.750 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	CE
	WEEE
	UKCA
	CURUSEEV
	IE3
	NEMA PREMIUM
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	4.000 A @ 190.0 V
	3.600 A @ 208.0 V
	3.560 A @ 230.0 V
	2.000 A @ 380.0 V

Part detail

Revision	B
Type	AC
Mech. spec.	35A001
Base	
Status	PRD/A
Elec. spec.	35WGG330
Layout	35LYA001
Eff. date	06-04-2024
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	09-11-2023

	1.780 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.29 IN
Power Factor	64
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Speed	1170 rpm
	965 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

NP4304L									
CAT.NO.	GNEM3556T								
SPEC.	35A001G330G1								
HP	1HP//.75KW				**PH**	3			
VOLTS	208-230/460//190/380								
AMPS	3.6-3.56/1.78//4/2								
R.P.M. (1/MIN)	1170//965				**WT.**	19KG	**KG**		
FRAME	145T	**HZ**	60//50		**I.P.**	44			
SER.F.	1.15	**CODE**	K	**DES.**	B	**CLASS**	F		
NOM.EFF.	82.5//78.9	**% (100%)**							
P.F.	64	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT			**CC**	010A				
DE	6205	**ODE**	6203						
ENCL	TEFC	**SN**							
	SFA 4/2//4.6/2.3								
	IE3-50HZ 81.7(75%),81.0(50%)								
	IE3-60HZ 82.3(75%),80.1(50%)								

AC Induction Motor Performance Data
Record # 101002
Typical performance - not guaranteed values

Winding: 35WGG330-R013	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			1
Volts			208-230/460//190/380
Full Load Amps			3.6-3.56/1.78//4/2
R.P.M.			1170//965
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	K
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	82.5	**Power Factor**	64
Rating - Duty			40C AMB-CONT
S.F. Amps			4/2//4.6/2.3

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	4.47 LB-FT
Start Configuration	direct on line
Breakdown Torque	13.2 LB-FT
Pull-up Torque	7.9 LB-FT
Locked-rotor Torque	9.7 LB-FT
Starting Current	10.2 A
No-load Current	1.19 A
Line-line Res. @ 25ºC	19.9 Ω
Temp. Rise @ Rated Load	48°C
Temp. Rise @ S.F. Load	57°C
Locked-rotor Power Factor	50.1
Rotor inertia	0.189 lb-ft²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	43	55	64	70	73	68
Efficiency	70.2	80.1	82.3	82.5	81.5	79.4	81.9
Speed	1193	1187	1180	1172	1163	1153	1167
Line amperes	1.23	1.36	1.54	1.78	2.06	2.41	1.95

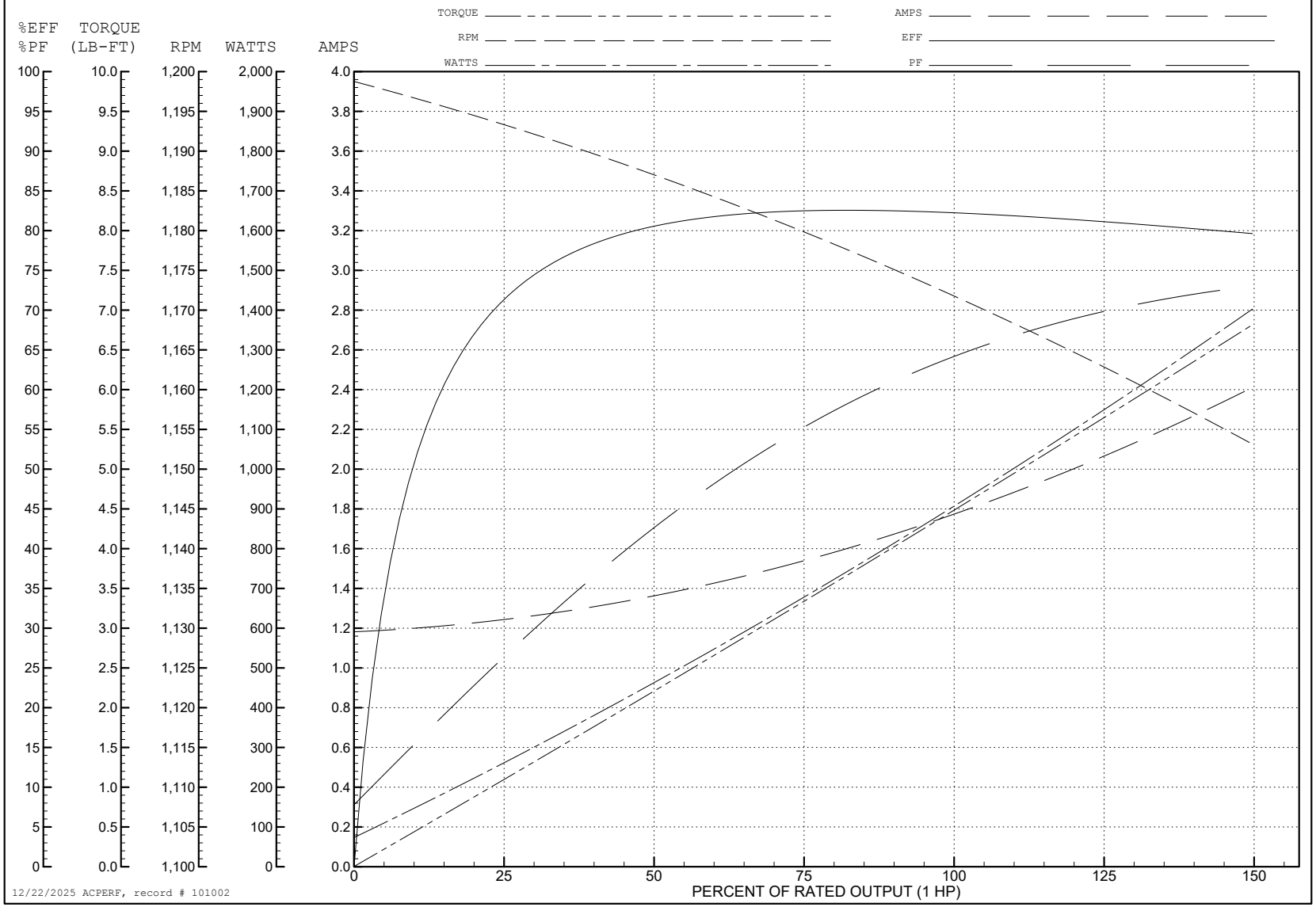
ABB Motors and Mechanical Inc.

WINDING # 35WGG330

1 HP 3 PH 60 HZ 1172 RPM 460 V 3526M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=13.2 PU=7.9 LR=9.7 LRA=10.2



12/22/2025 ACPERF, record # 101002

AC Induction Motor Performance Data
Record # 101003
Typical performance - not guaranteed values

Winding: 35WGG330-R013	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	5.42 LB-FT
Volts			208-230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			3.6-3.56/1.78//4/2	**Breakdown Torque**	12.2 LB-FT
R.P.M.			1170//965	**Pull-up Torque**	7.8 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	9.5 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	9.7 A
Service Factor (S.F.)			1.15	**No-load Current**	1.17 A
NEMA Nom. Eff.	82.5	**Power Factor**	64	**Line-line Res. @ 25ºC**	19.9 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	62°C
S.F. Amps			4/2//4.6/2.3	**Temp. Rise @ S.F. Load**	78°C
				Locked-rotor Power Factor	55.4
				Rotor inertia	0.189 lb-ft²

Load Characteristics 380 V, 50 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	31	50	62	70	75	77	73
Efficiency	72.9	81	81.7	80.6	78	74.1	79
Speed	992	985	976	966	954	938	959
Line amperes	1.22	1.4	1.66	2.01	2.43	2.98	2.26

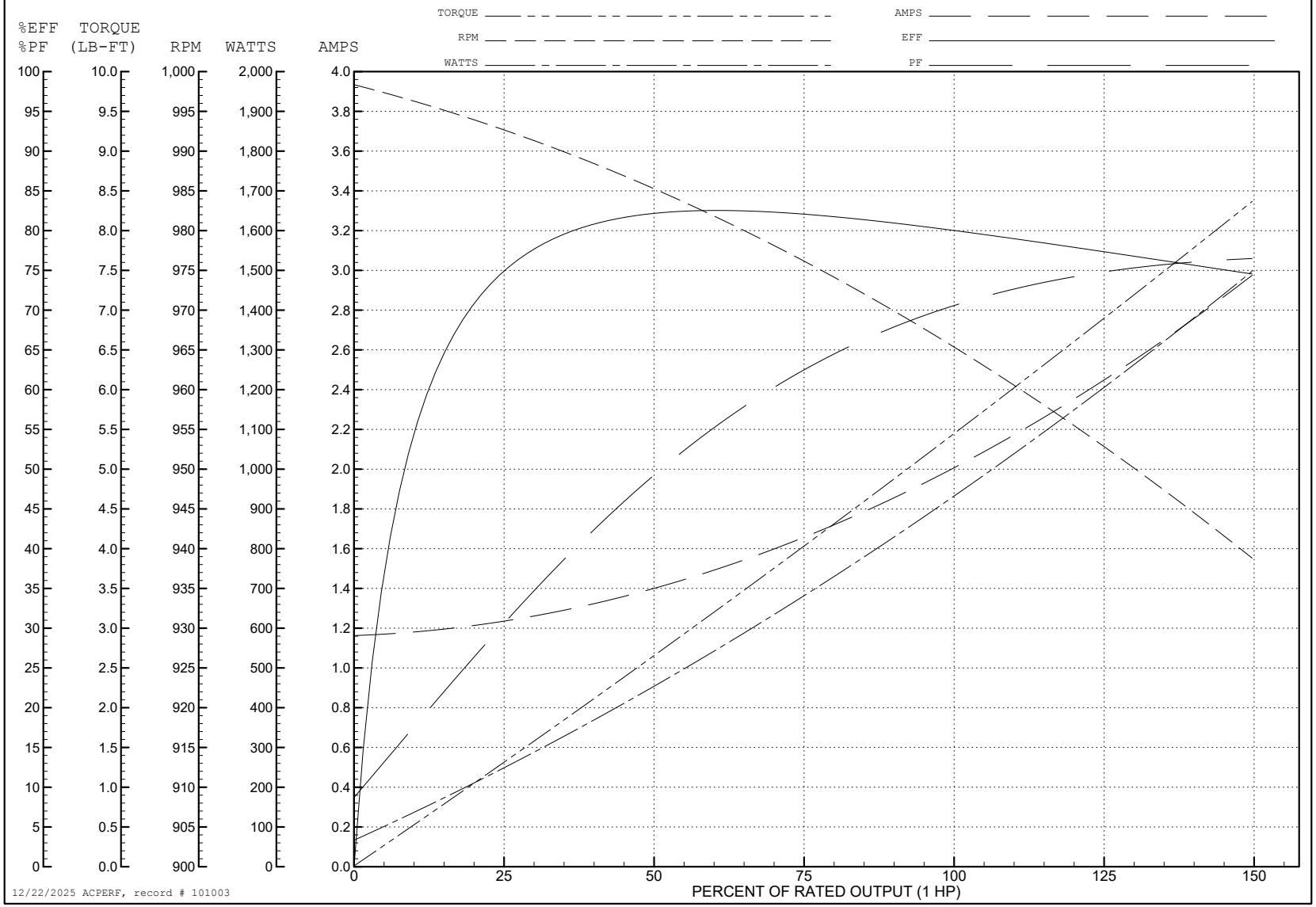
ABB Motors and Mechanical Inc.

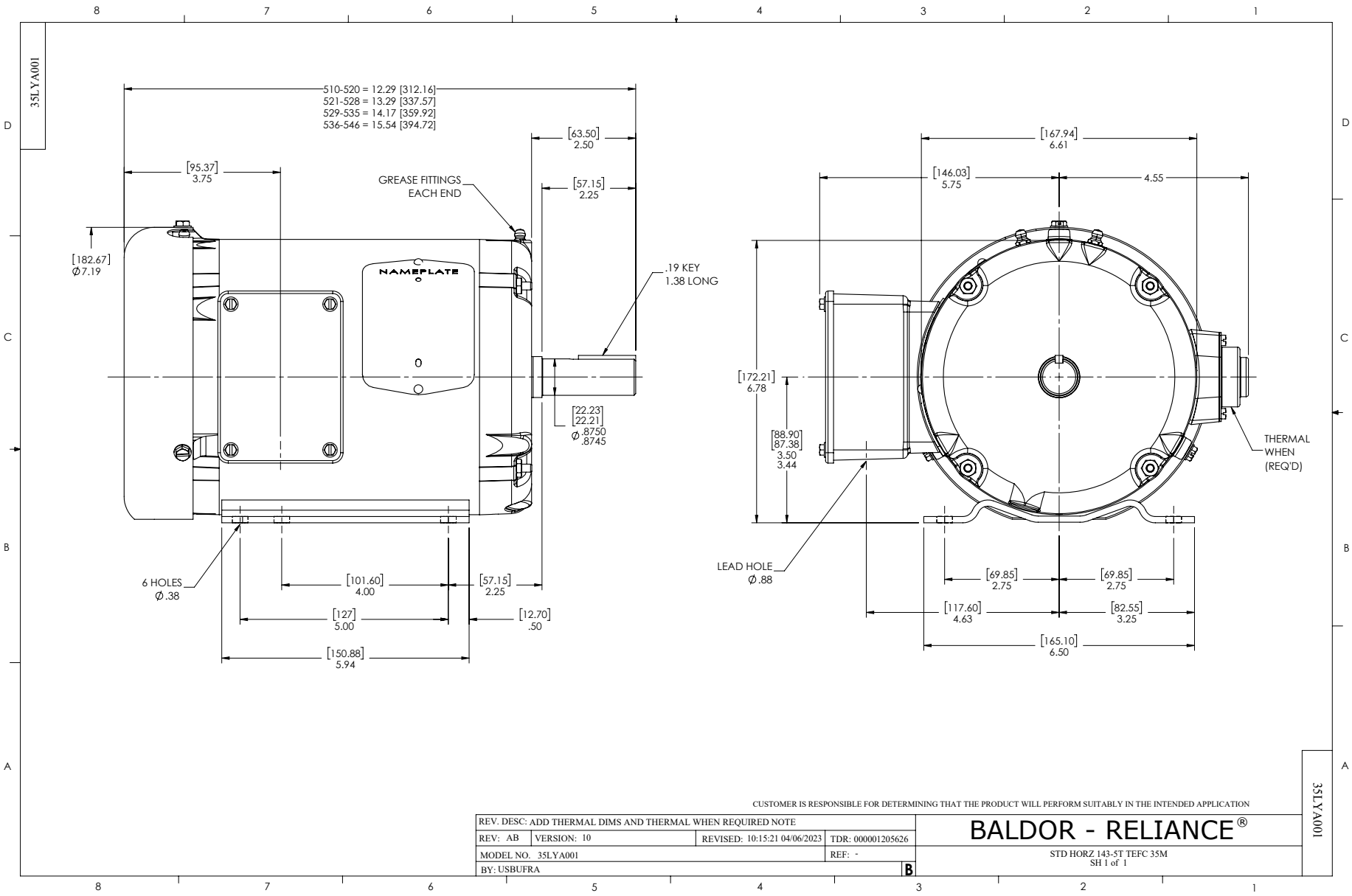
WINDING # 35WGG330

1 HP 3 PH 50 HZ 966 RPM 380 V 3526M

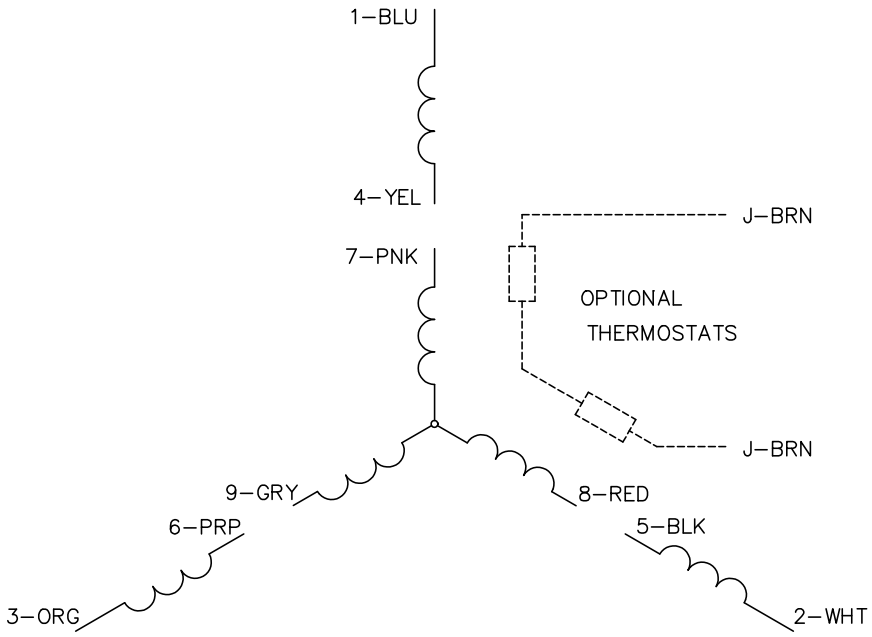
Typical performance - not guaranteed values.

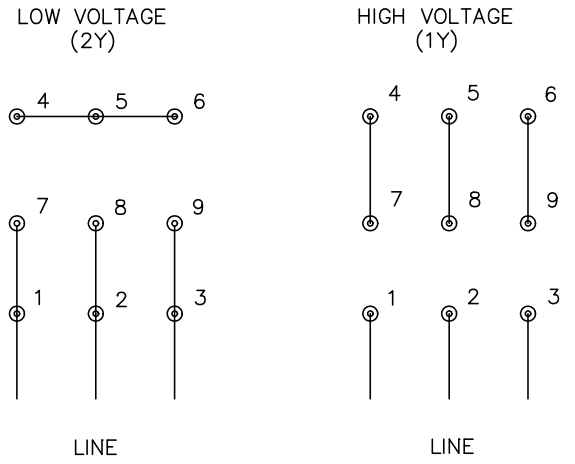
TORQUES(LB-FT): PO=12.2 PU=7.8 LR=9.5 LRA=9.7




35LYA001
510-520 = 12.29 [312.16]
521-528 = 13.29 [337.57]
529-535 = 14.17 [359.92]
536-546 = 15.54 [394.72]
[63.50] 2.50
[95.37] 3.75
GREASE FITTINGS EACH END
[57.15] 2.25
[182.67] Ø7.19
NAMEPLATE
.19 KEY 1.38 LONG
[22.23] [22.21] Ø.8750 Ø.8745
6 HOLES Ø.38
[101.60] 4.00
[57.15] 2.25
[127] 5.00
[12.70] .50
[150.88] 5.94
[167.94] 6.61
[146.03] 5.75
4.55
[172.21] 6.78
[88.90] [87.38] 3.50 3.44
THERMAL WHEN (REQ'D)
LEAD HOLE Ø.88
[69.85] 2.75
[69.85] 2.75
[117.60] 4.63
[82.55] 3.25
[165.10] 6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: AB
VERSION: 10
REVISED: 10:15:21 04/06/2023
TDR: 000001205626
MODEL NO. 35LYA001
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 143-5T TEFC 35M
SH 1 of 1
35LYA001

CD0005





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			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS