ABB BALDOR RELIANCE

Customer information packet

M3608

2HP, 3450RPM, 3PH, 60HZ, 184, 3524M, TEFC, F1
Class -
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/20/2026 12:13:11 AM

Specifications

Enclosure	TEFC
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.600 A @ 460.0 V
	5.200 A @ 230.0 V
	5.600 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	J
Type	AC
Mech. spec.	35L108
Base	
Status	INA/A
Elec. spec.	35WGT962
Layout	35LYL108
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	04-30-2010

High Voltage Full Load Amps	2.6 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
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	2
Overall Length	13.76 IN
Power Factor	88
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

NP1256L								
CAT.NO.								
SPEC.	35L108T962H1							
HP	2							
VOLTS	208-230/460							
AMP	5.6-5.2/2.6							
RPM	3450							
FRAME	184	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	B	
NEMA-NOM-EFF	84	**PF**	88					
RATING	40C AMB-CONT							
CC	010A							
DE	6206		**ODE**	6203				
ENCL	TEFC	**SN**						

AC Induction Motor Performance Data
Record # 9718
Typical performance - not guaranteed values

Winding: 35WGT962-R001	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	3 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.6-5.2/2.6	**Breakdown Torque**	12.4 LB-FT
R.P.M.			3450	**Pull-up Torque**	7.6 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	11 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	24.3 A
Service Factor (S.F.)			1.15	**No-load Current**	1.1 A
NEMA Nom. Eff.	84	**Power Factor**	88	**Line-line Res. @ 25ºC**	7.86 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps				**Temp. Rise @ S.F. Load**	55°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0712 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	50	73	80	85	89	89	87
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6	83.9
Speed	3563	3537	3507	3475	3440	3402	3454
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

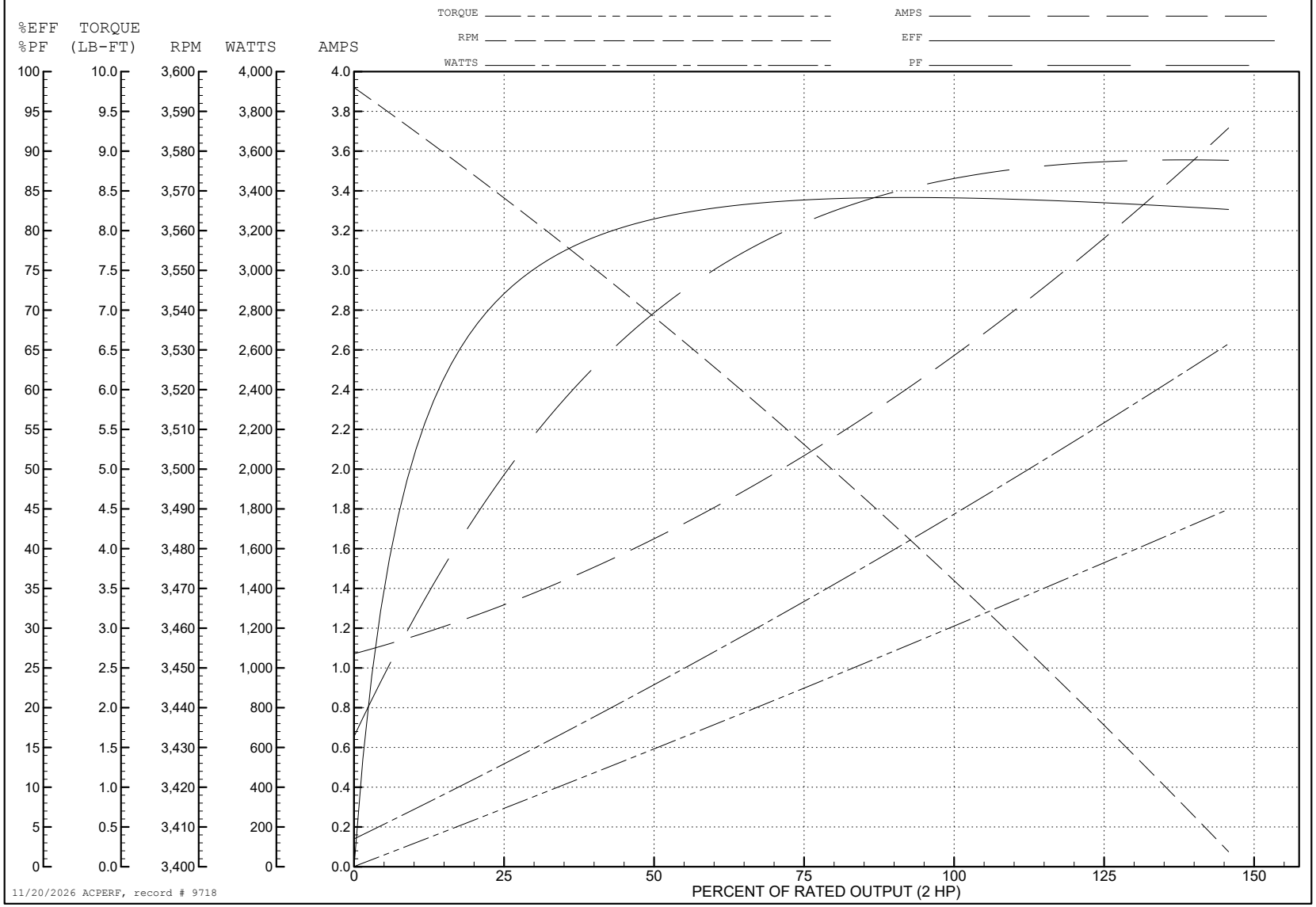
ABB Motors and Mechanical Inc.

WINDING # 35WGT962

2 HP 3 PH 60 HZ 3450 RPM 460 V 3526M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=12.4 PU=7.6 LR=11 LRA=24.3



AC Induction Motor Performance Data
Record # 20594
Typical performance - not guaranteed values

Winding: 35WGT962-R008	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	3 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.6-5.2/2.6	**Breakdown Torque**	12.4 LB-FT
R.P.M.			3450	**Pull-up Torque**	7.6 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	11 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	24.3 A
Service Factor (S.F.)			1.15	**No-load Current**	1.1 A
NEMA Nom. Eff.	84	**Power Factor**	88	**Line-line Res. @ 25ºC**	7.86 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps				**Temp. Rise @ S.F. Load**	55°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0712 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	50	73	80	85	89	89	87
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6	83.9
Speed	3563	3537	3507	3475	3440	3402	3454
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

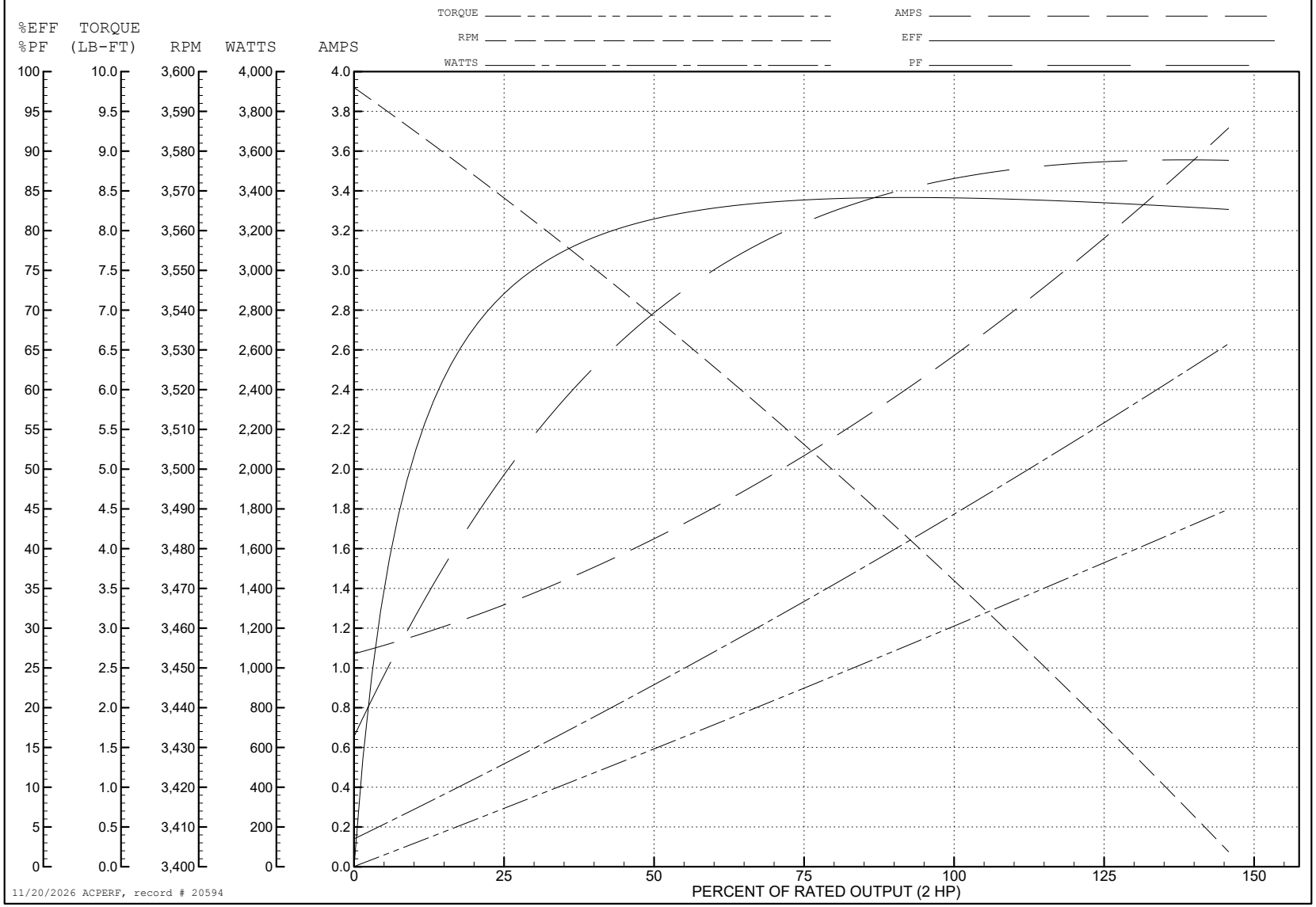
ABB Motors and Mechanical Inc.

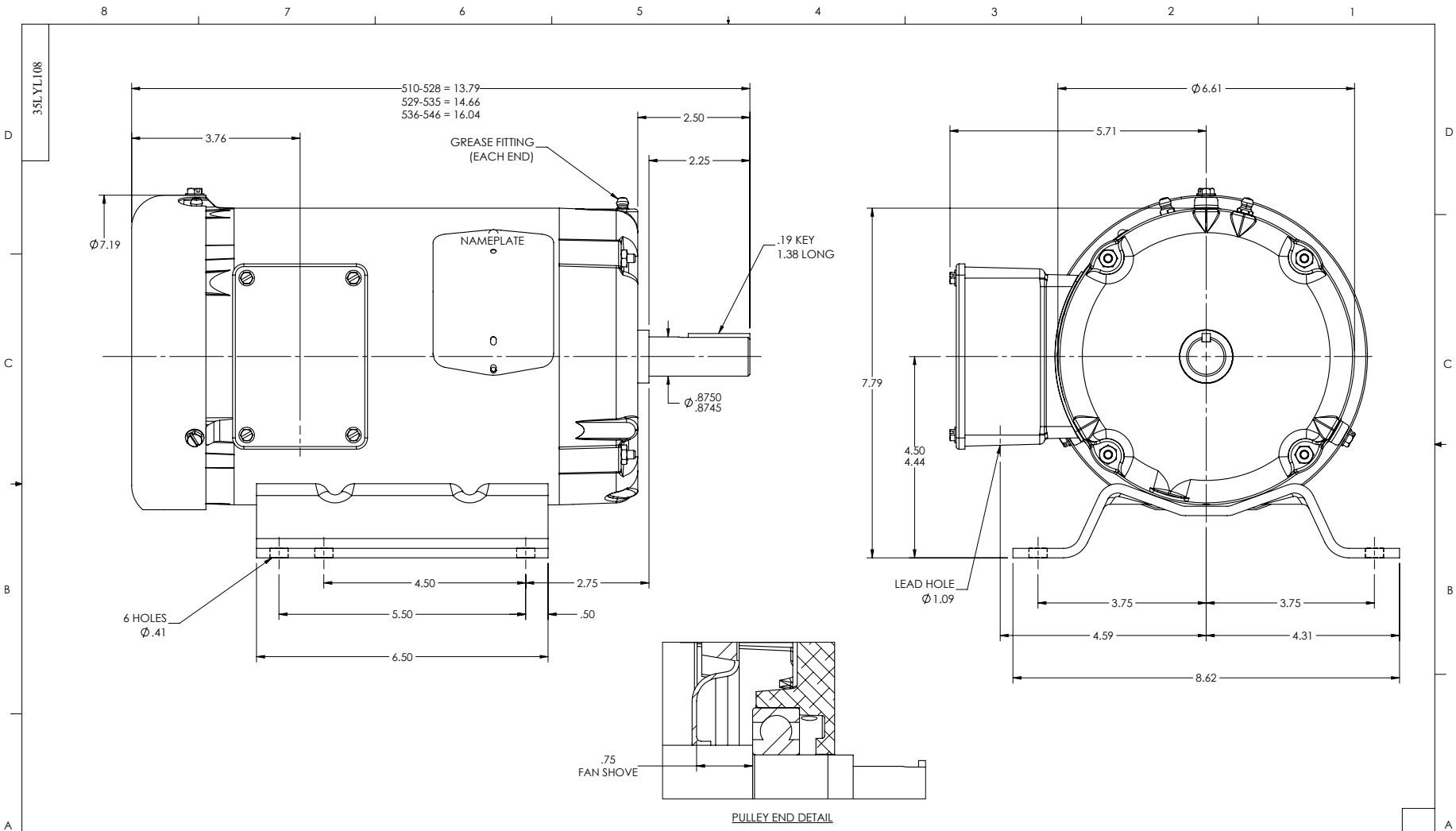
WINDING # 35WGT962

2 HP 3 PH 60 HZ 3450 RPM 460 V 3526M

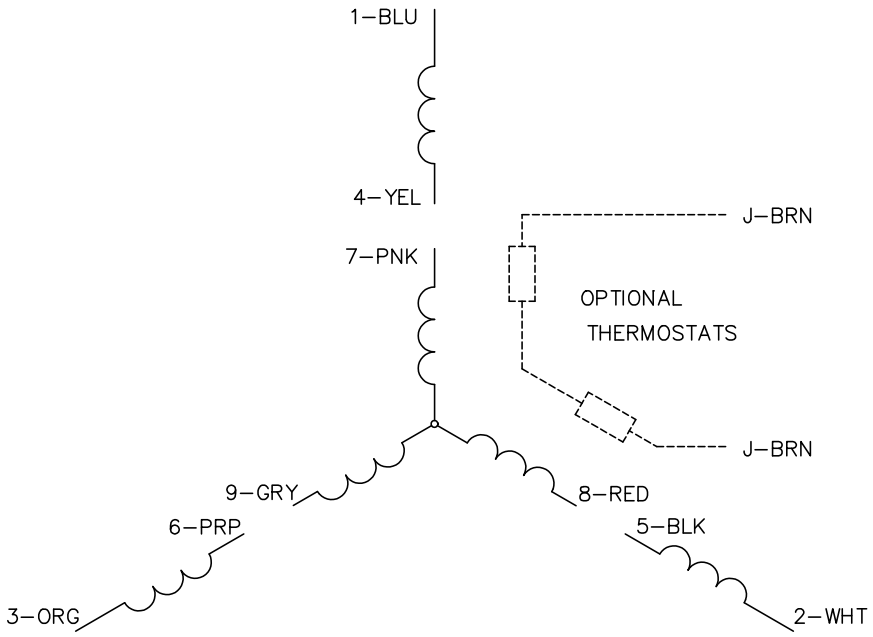
Typical performance - not guaranteed values.

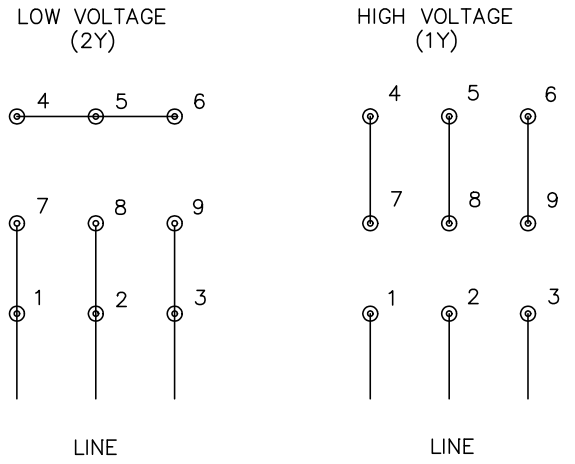
TORQUES(LB-FT): PO=12.4 PU=7.6 LR=11 LRA=24.3




35LYL108
510-528 = 13.79
529-535 = 14.66
536-546 = 16.04
3.76
2.50
2.25
GREASE FITTING
(EACH END)
Ø7.19
NAMEPLATE
.19 KEY
1.38 LONG
Ø.8750
.8745
4.50
2.75
5.50
.50
6.50
6 HOLES
Ø.41
Ø6.61
5.71
7.79
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
4.59
4.31
8.62
.75
FAN SHOVE
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV X, NO CHG TO 2D PRINT
REV: J
VERSION: 03
REVISED: 09:55:23 03/16/2022
TDR: 000001187751
MODEL NO. 35LYL108
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 182-4 TEFC 35M
SH 1 of 1
35LYL108

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