ABB BALDOR RELIANCE

Customer information packet

M1721T

1.5/.67HP, 1735/1160RPM, 3PH, 60HZ, 182T, 352
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	182T
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	1.500 HP @ 60 HZ
	.670 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.300 A @ 460.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K

Part Detail

Revision	D
Type	AC
Mech. spec.	35L100
Base	
Status	PRD/A
Elec. spec.	35WGG358
Layout	35LYL100
Eff. date	07-27-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#18
Proprietary	False
Created date	02-23-2023

Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	14.29 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1160 rpm
	1735 rpm
Speed Code	2S-2W-VT
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.	M1721T							
SPEC.	35L100G358							
HP	1.5/.67							
VOLTS	460							
AMP	2.3/1.4							
RPM	1735/1160							
FRAME	182T	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	-	**CLASS**	F	
NEMA-NOM-EFF		**PF**						
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6203					
ENCL	TEFC	**SN**						
	SFA 2.57							

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data
Record # 87838
Preliminary Data Sheet

Winding: 35WGG358-R001	**Type:** 3528M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)		1.5/.67	**Full Load Torque**	4.54 LB-FT
Volts		460	**Start Configuration**	direct on line
Full Load Amps		2.3/1.4	**Breakdown Torque**	14.93 LB-FT
R.P.M.		1735/1160	**Pull-up Torque**	7.34 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	10.43 LB-FT
NEMA Design Code	- **KVA Code**	K	**Starting Current**	15.23 A
Service Factor (S.F.)		1.15	**No-load Current**	1.61 A
NEMA Nom. Eff.	0 **Power Factor**	0	**Line-line Res. @ 25ºC**	20.9 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	74°C
S.F. Amps			**Temp. Rise @ S.F. Load**	88°C
			Locked-rotor Power Factor	85.9
			Rotor inertia	0.202 lb-ft²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	32	51	66	76	83	87	80
Efficiency	66	76.7	79.8	79.2	77.3	74.6	78.1
Speed	1785	1769	1754	1734	1713	1687	1721
Line amperes	1.64	1.78	1.99	2.33	2.73	3.24	2.57

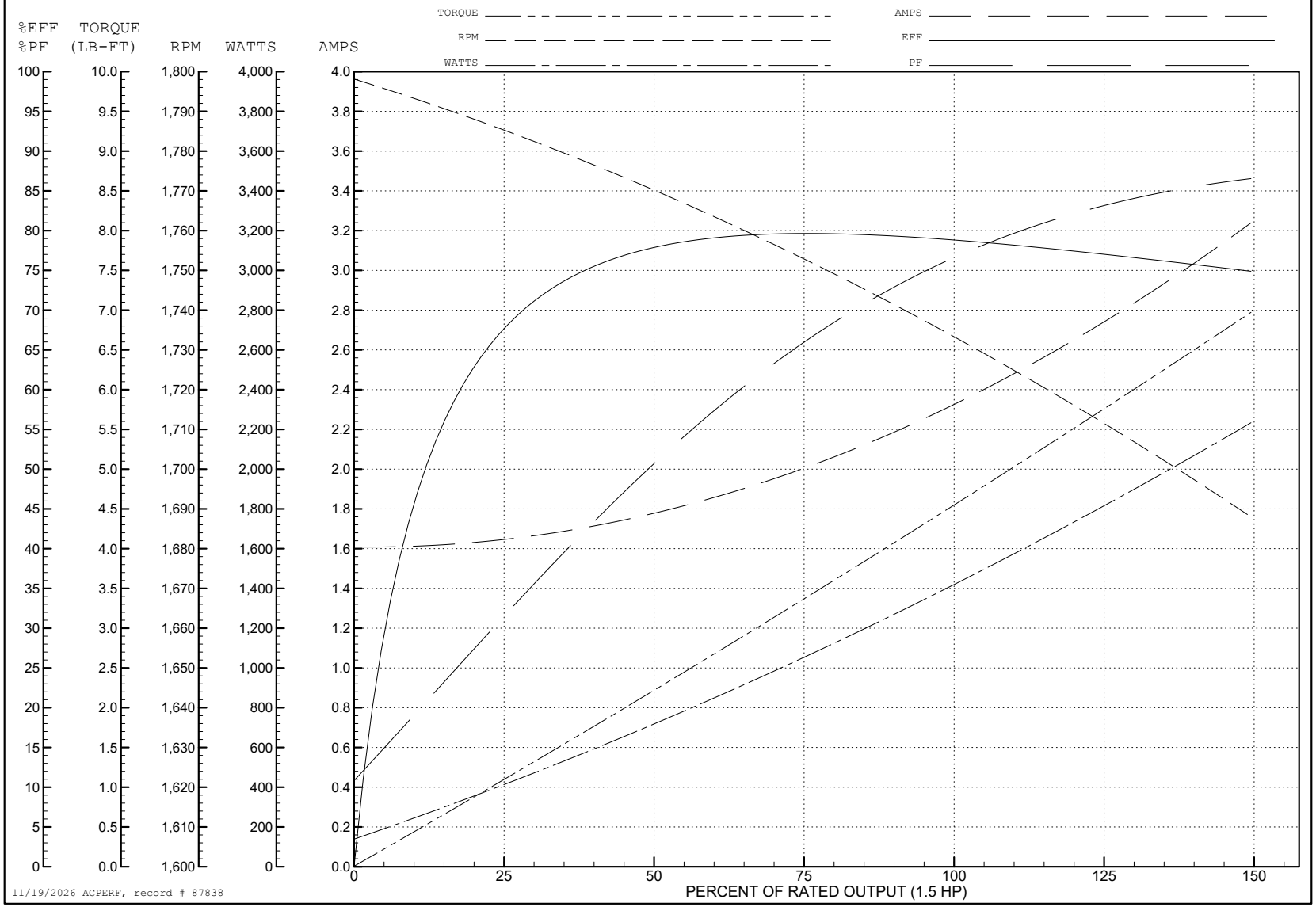
ABB Motors and Mechanical Inc.

WINDING # 35WGG358

1.5 HP 3 PH 60 HZ 1734 RPM 460 V 3528M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=14.93 PU=7.34 LR=10.43 LRA=15.23



11/19/2026 ACPERF, record # 87838

AC Induction Motor Performance Data
Record # 87839
Preliminary Data Sheet

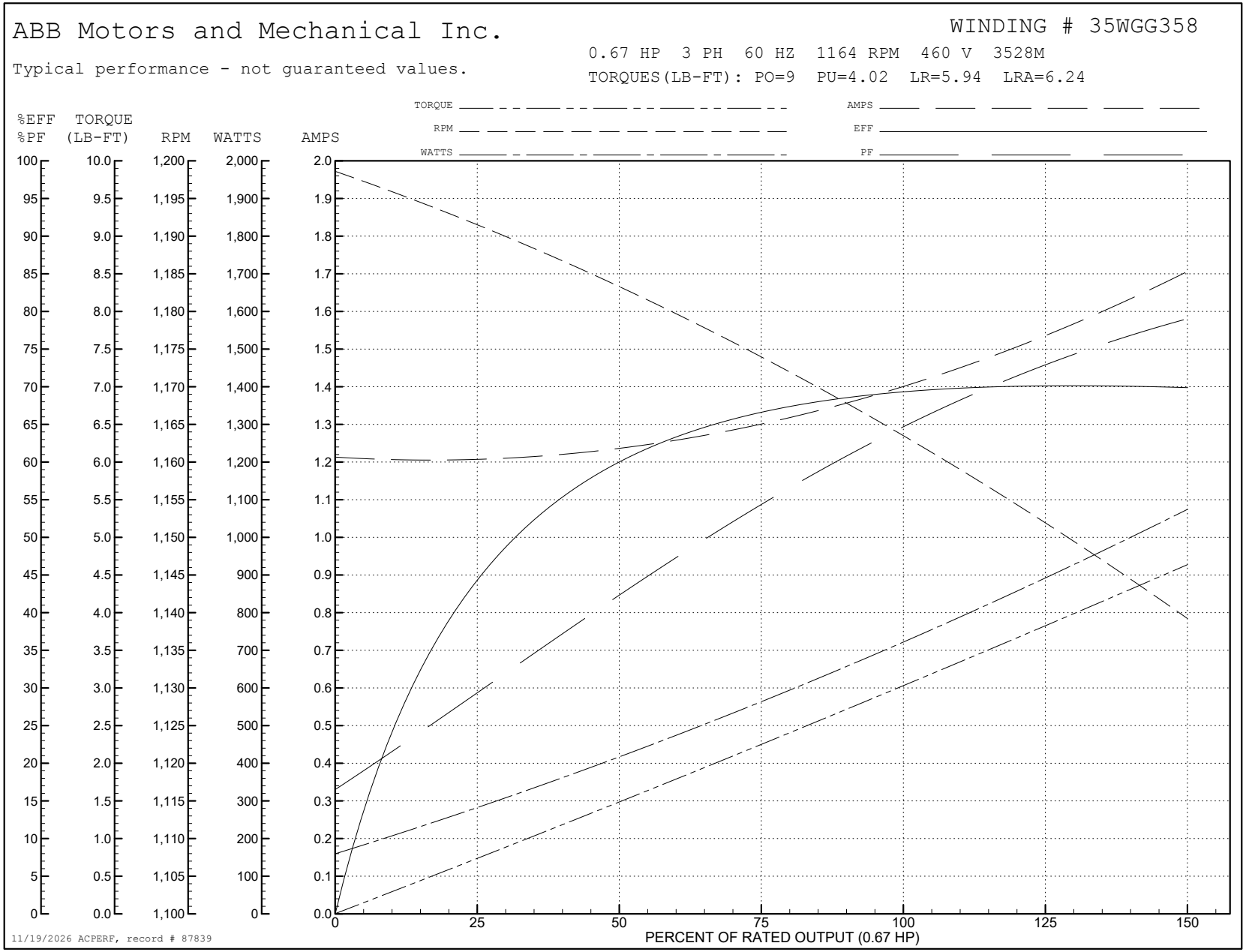
Winding: 35WGG358-R001	**Type:** 3528M	**Enclosure:** TEFC

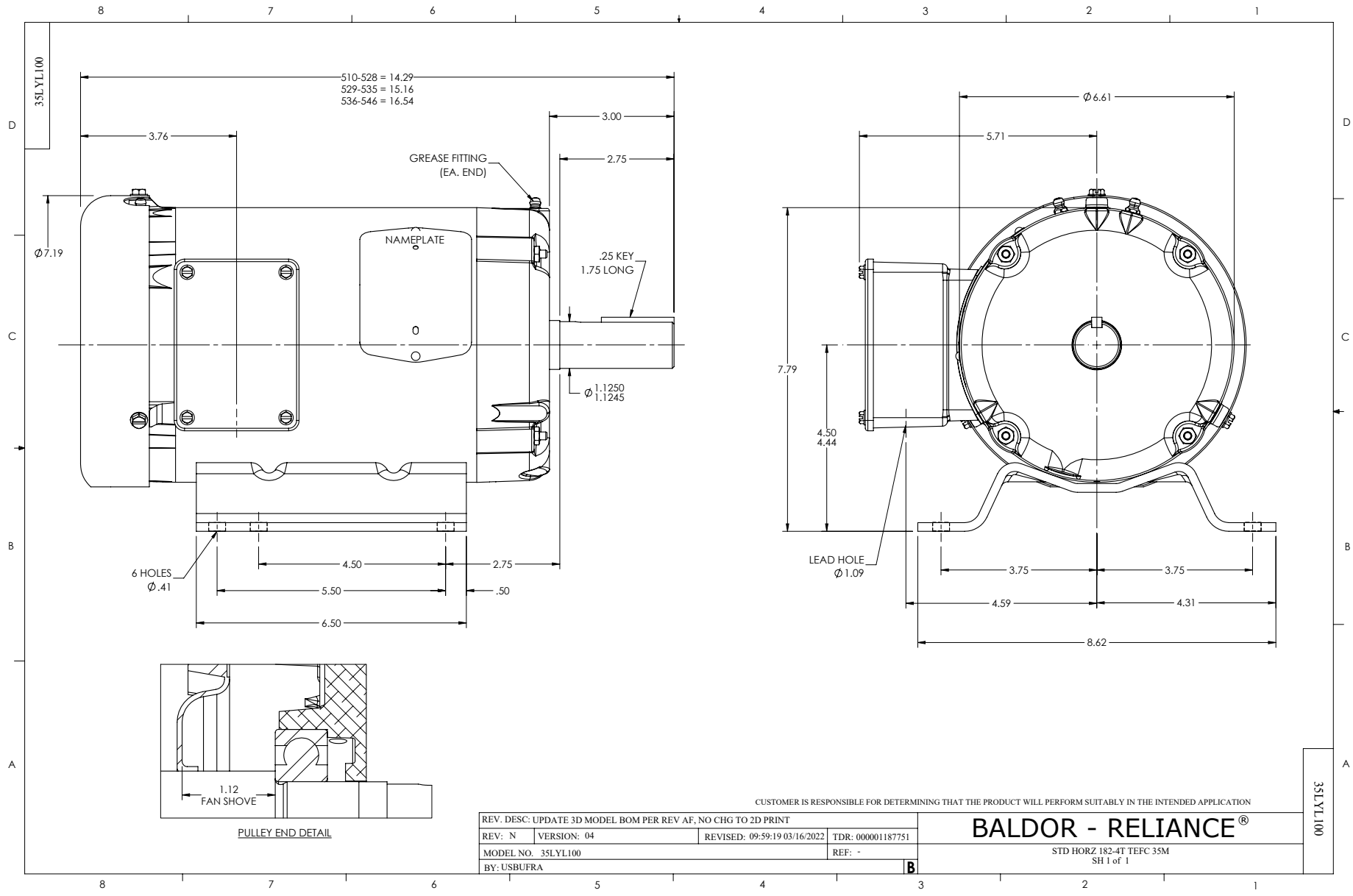
Nameplate Data		
Rated Output (HP)		1.5/.67
Volts		460
Full Load Amps		2.3/1.4
R.P.M.		1735/1160
Hz	60 **Phase**	3
NEMA Design Code	- **KVA Code**	K
Service Factor (S.F.)		1.15
NEMA Nom. Eff.	0 **Power Factor**	0
Rating - Duty		40C AMB-CONT

460 V, 60 Hz: Low Speed Connection	
Full Load Torque	3.03 LB-FT
Start Configuration	direct on line
Breakdown Torque	9 LB-FT
Pull-up Torque	4.02 LB-FT
Locked-rotor Torque	5.94 LB-FT
Starting Current	6.24 A
No-load Current	1.21 A
Line-line Res. @ 25ºC	53.3 Ω
Temp. Rise @ Rated Load	
Locked-rotor Power Factor	85.9
Rotor inertia	0.202 lb-ft²

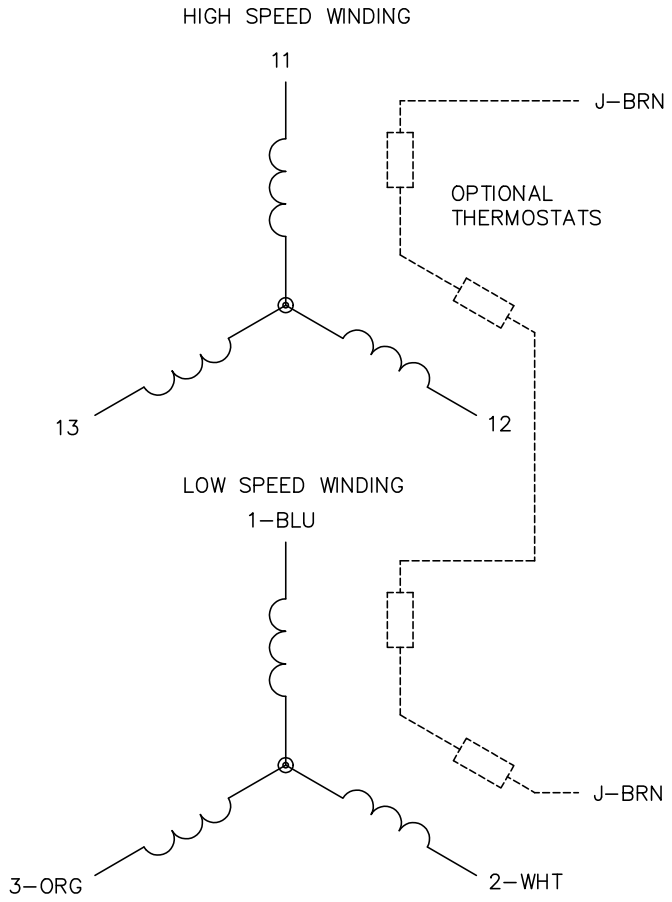
Load Characteristics 460 V, 60 Hz, 0.67 HP

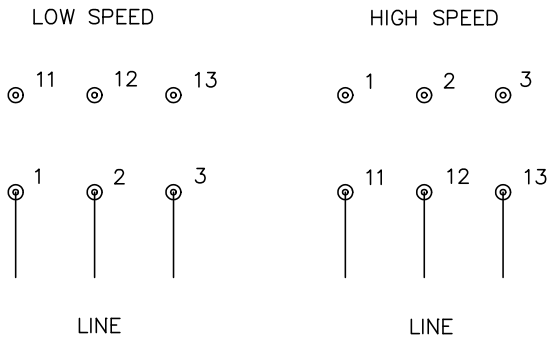
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	43	54	65	73	79	70
Efficiency	44.1	59.7	66.5	69.5	70.3	69.6	70
Speed	1191	1183	1174	1164	1152	1139	1157
Line amperes	1.21	1.24	1.3	1.4	1.53	1.71	1.48


ABB Motors and Mechanical Inc.
WINDING # 35WGG358
0.67 HP 3 PH 60 HZ 1164 RPM 460 V 3528M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=9 PU=4.02 LR=5.94 LRA=6.24
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.67 HP)
11/19/2026 ACPERF, record # 87839


35LYL100
510-528 = 14.29
529-535 = 15.16
536-546 = 16.54
3.00
3.76
2.75
GREASE FITTING
(EA. END)
NAMEPLATE
Ø7.19
.25 KEY
1.75 LONG
Ø 1.1250
1.1245
6 HOLES
Ø.41
4.50
2.75
5.50
.50
6.50
Ø6.61
5.71
7.79
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
4.59
4.31
8.62
1.12
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 AF, NO CHG TO 2D PRINT
REV: N
VERSION: 04
REVISED: 09:59:19 03/16/2022
TDR: 000001187751
MODEL NO. 35LYL100
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 182-4T TEFC 35M
SH 1 of 1
35LYL100

CD0013





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 VARY.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
CD0013		FILE: AAA00005143	MDL: –
		MTL: –	3PH, SV, 6 LEADS, 2–SPEED 2–WINDING

CD0013