ABB BALDOR RELIANCE

Customer information packet

M1725T

7.5/3.3HP, 1760/1160RPM, 3PH, 60HZ, 254T
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
	3.300 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	10.300 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.7 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AU
Type	AC
Mech. spec.	09C101
Base	
Status	PRD/A
Elec. spec.	09WGX206
Layout	09LYC101
Eff. date	10-07-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#12
Proprietary	False
Created date	01-01-0001

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0928M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	23.28 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	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1160 rpm
	1760 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.	M1725T							
SPEC.	09C101X206							
HP	7.5/3.3							
VOLTS	460							
AMP	10.3/5.7							
RPM	1760/1160							
FRAME	254T	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	J	**DES**	A	**CLASS**	F	
NEMA-NOM-EFF		**PF**						
RATING	40C AMB-CONT							
CC								
DE	6309	**ODE**	6208					
ENCL	TEFC	**SN**						

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

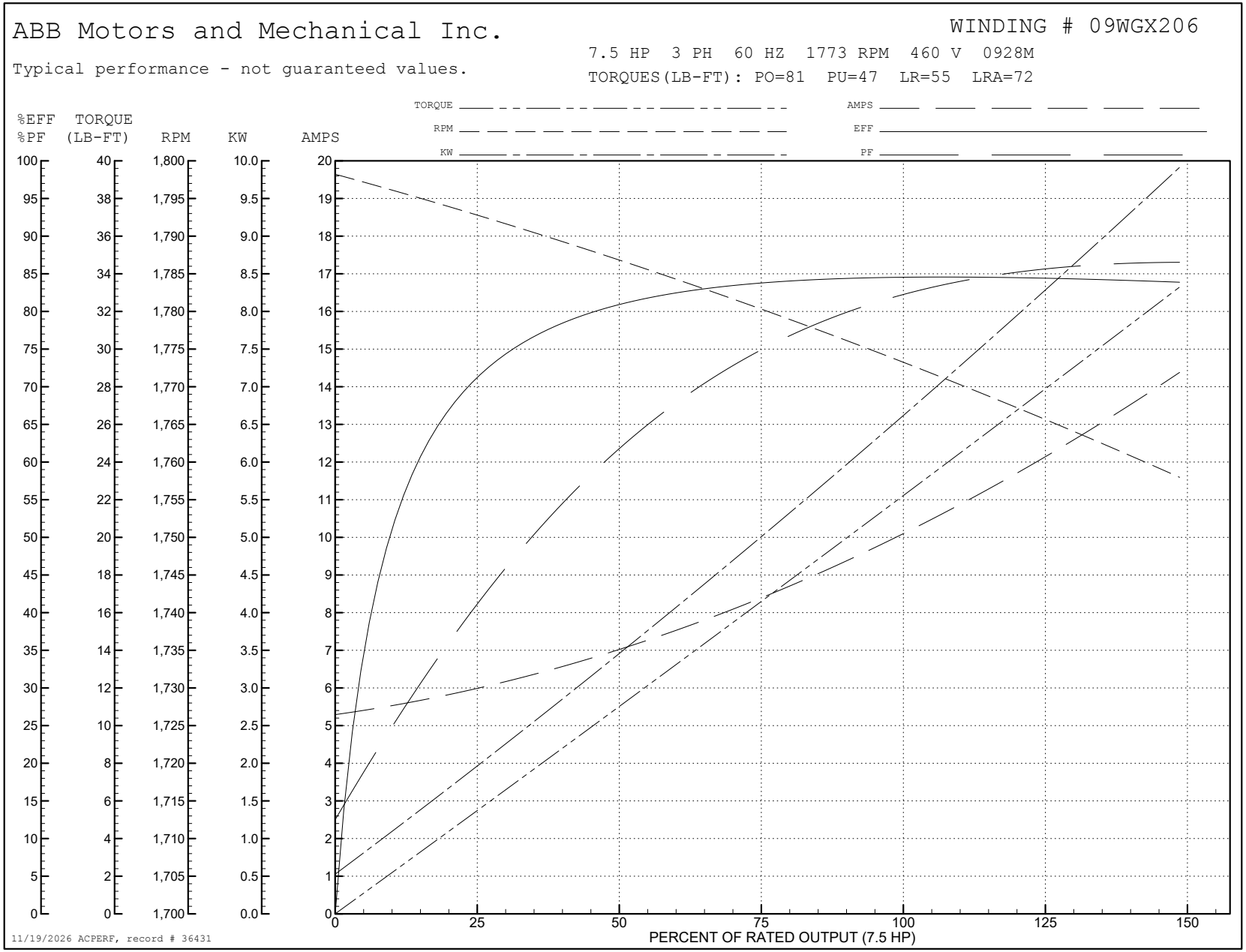
AC Induction Motor Performance Data
Record # 36431
Typical performance - not guaranteed values

Winding: 09WGX206-R002	**Type:** 0928M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			7.5/3.3	**Full Load Torque**	22.2 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			10.3/5.7	**Breakdown Torque**	81 LB-FT
R.P.M.			1760/1160	**Pull-up Torque**	47 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	55 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	72 A
Service Factor (S.F.)			1.15	**No-load Current**	5.4 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	2.4 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	63°C
S.F. Amps				**Temp. Rise @ S.F. Load**	73°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	63	75	82	86	88	84
Efficiency	70.9	80.8	83.8	84.7	84.5	83.8	84.6
Speed	1793	1787	1780	1773	1766	1758	1769
Line amperes	5.9	6.9	8.4	10.3	12.1	14.3	11.3


ABB Motors and Mechanical Inc.
WINDING # 09WGX206
7.5 HP 3 PH 60 HZ 1773 RPM 460 V 0928M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=81 PU=47 LR=55 LRA=72
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
11/19/2026 ACPERF, record # 36431

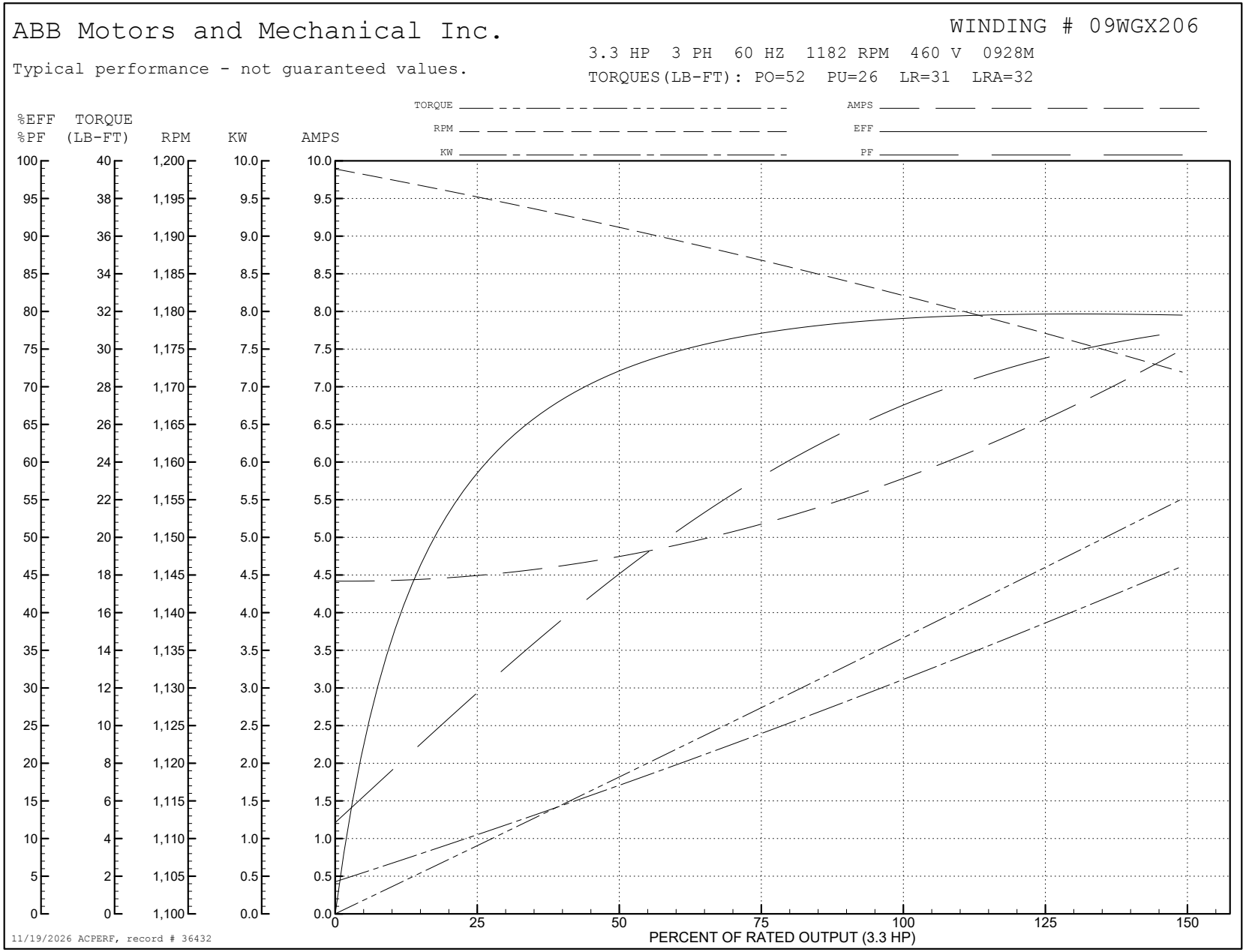
AC Induction Motor Performance Data
Record # 36432
Typical performance - not guaranteed values

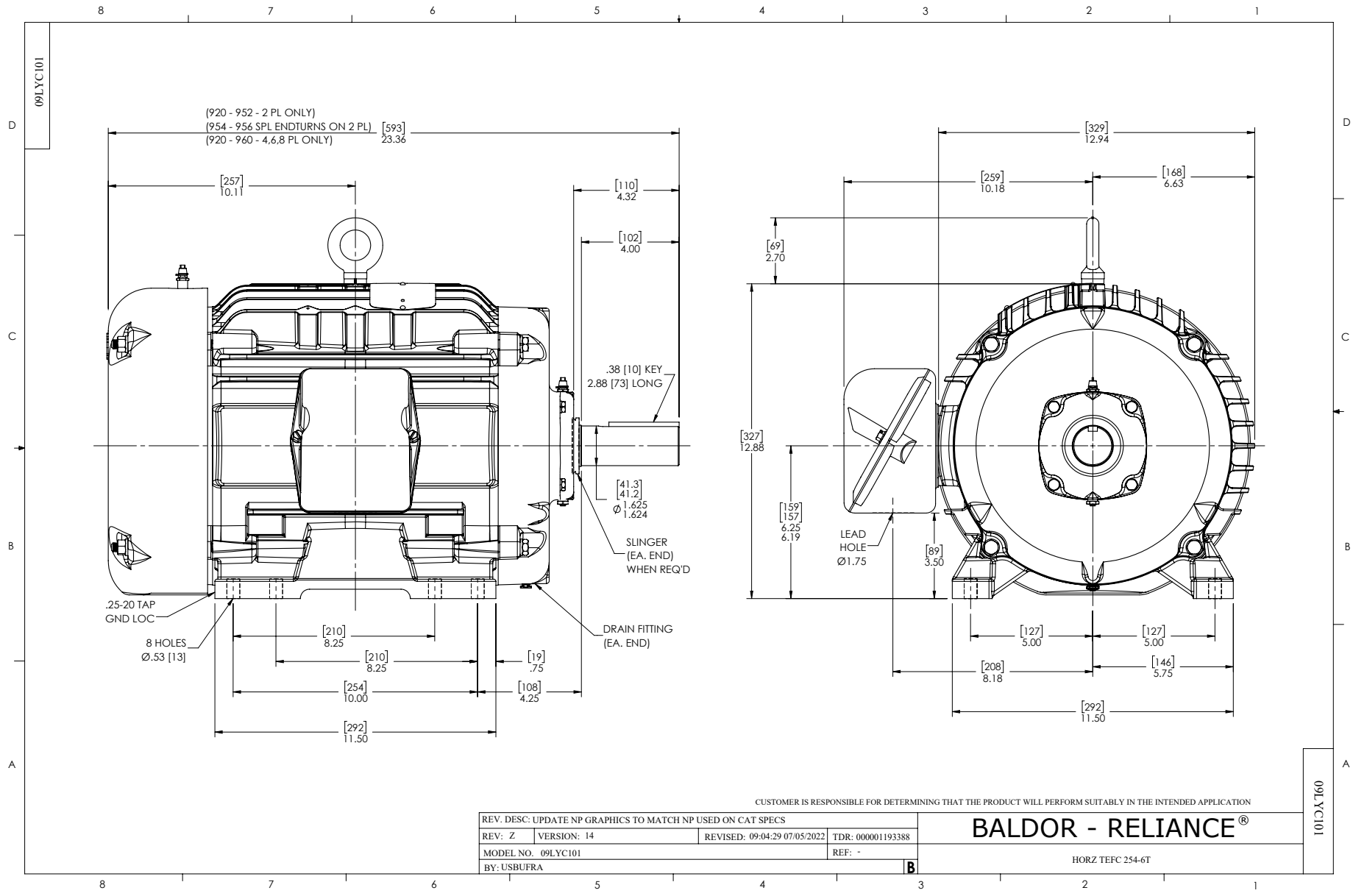
Winding: 09WGX206-R002	**Type:** 0928M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			7.5/3.3	**Full Load Torque**	14.7 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			10.3/5.7	**Breakdown Torque**	52 LB-FT
R.P.M.			1760/1160	**Pull-up Torque**	26 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	31 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	32 A
Service Factor (S.F.)			1.15	**No-load Current**	4.4 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	5.91 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	54°C
S.F. Amps				**Temp. Rise @ S.F. Load**	60°C

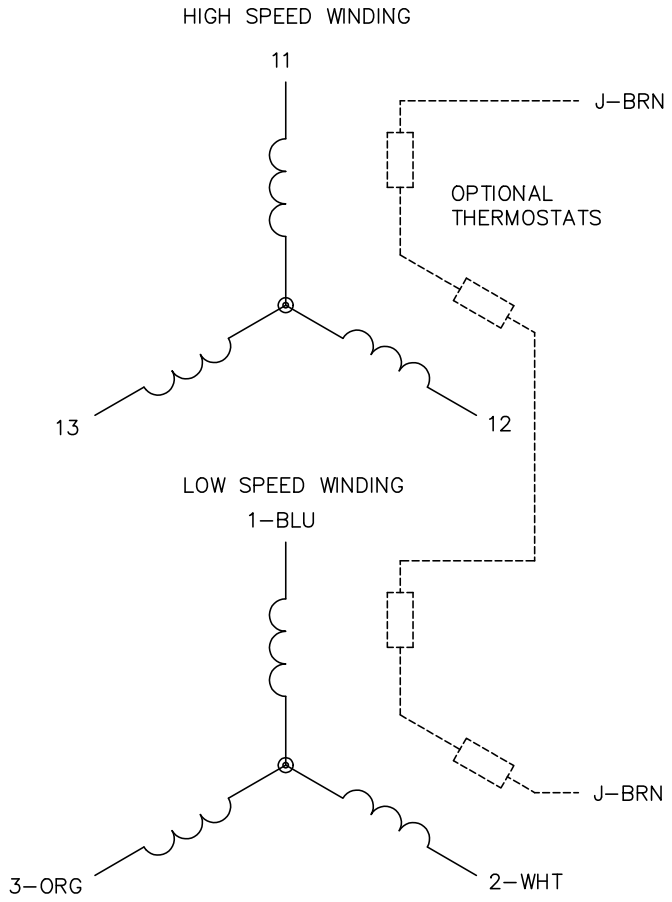
Load Characteristics 460 V, 60 Hz, 3.3 HP

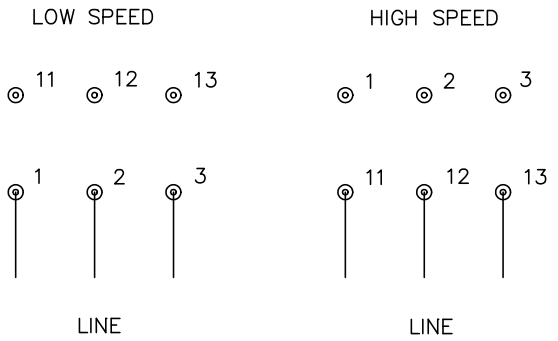
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	45	57	67	74	78	71
Efficiency	58.5	72	77.2	79.2	79.8	79.4	79.6
Speed	1195	1191	1187	1182	1177	1172	1179
Line amperes	4.5	4.8	5.2	5.7	6.6	7.5	6.32


ABB Motors and Mechanical Inc.
WINDING # 09WGX206
3.3 HP 3 PH 60 HZ 1182 RPM 460 V 0928M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=52 PU=26 LR=31 LRA=32
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3.3 HP)
11/19/2026 ACPERF, record # 36432


09LYC101
(920 - 952 - 2 PL ONLY)
(954 - 956 SPL ENDTURNS ON 2 PL)
(920 - 960 - 4,6,8 PL ONLY)
[593] 23.36
[257] 10.11
[110] 4.32
[102] 4.00
.38 [10] KEY
2.88 [73] LONG
[41.3] [41.2] Ø 1.625 1.624
SLINGER (EA. END) WHEN REQ'D
.25-20 TAP GND LOC
8 HOLES Ø.53 [13]
DRAIN FITTING (EA. END)
[210] 8.25
[210] 8.25
[19] .75
[254] 10.00
[108] 4.25
[292] 11.50
[329] 12.94
[259] 10.18
[168] 6.63
[69] 2.70
[327] 12.88
[159] [157] 6.25 6.19
LEAD HOLE Ø1.75
[89] 3.50
[127] 5.00
[127] 5.00
[208] 8.18
[146] 5.75
[292] 11.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE NP GRAPHICS TO MATCH NP USED ON CAT SPECS
REV: Z
VERSION: 14
REVISED: 09:04:29 07/05/2022
TDR: 000001193388
MODEL NO. 09LYC101
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T
09LYC101

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