ABB BALDOR RELIANCE

Customer information packet

M1761T

15/3.75HP, 1760/880RPM, 3PH, 60HZ, 254T
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 12:46:01 PM

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	3.750 HP @ 60 HZ
	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	19.600 A @ 460.0 V
Design Code	B
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	8.3 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AT
Type	AC
Mech. spec.	09C101
Base	
Status	PRD/A
Elec. spec.	09WGX185
Layout	09LYC101
Eff. date	10-07-2024
CD Diagram	CD0032
Poles	04/08
Leads	6#12
Proprietary	False
Created date	01-01-0001

KVA Code	G
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	0934M
Mounting Arrangement	F1
Number of Poles	4
	8
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	1760 rpm
	880 rpm
Speed Code	2S-1W-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.	M1761T									
SPEC.	09C101X185									
HP	15/3.75									
VOLTS	460									
AMP	19.6/8.3									
RPM	1760/880									
FRAME	254T	**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	G	**DES**	B	**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 # 36429
Typical performance - not guaranteed values

Winding: 09WGX185-R004	**Type:** 0934M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			15/3.75	**Full Load Torque**	44.5 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			19.6/8.3	**Breakdown Torque**	144 LB-FT
R.P.M.			1760/880	**Pull-up Torque**	46 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	82.5 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	116 A
Service Factor (S.F.)			1.15	**No-load Current**	9.29 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.852 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	84°C
S.F. Amps				**Temp. Rise @ S.F. Load**	99°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	64	76	82	85	87	84
Efficiency	82	88.2	89.8	90.1	89.7	89	89.9
Speed	1793	1786	1779	1771	1763	1754	1766
Line amperes	10.2	12.4	15.5	19.6	23	27.2	21.6

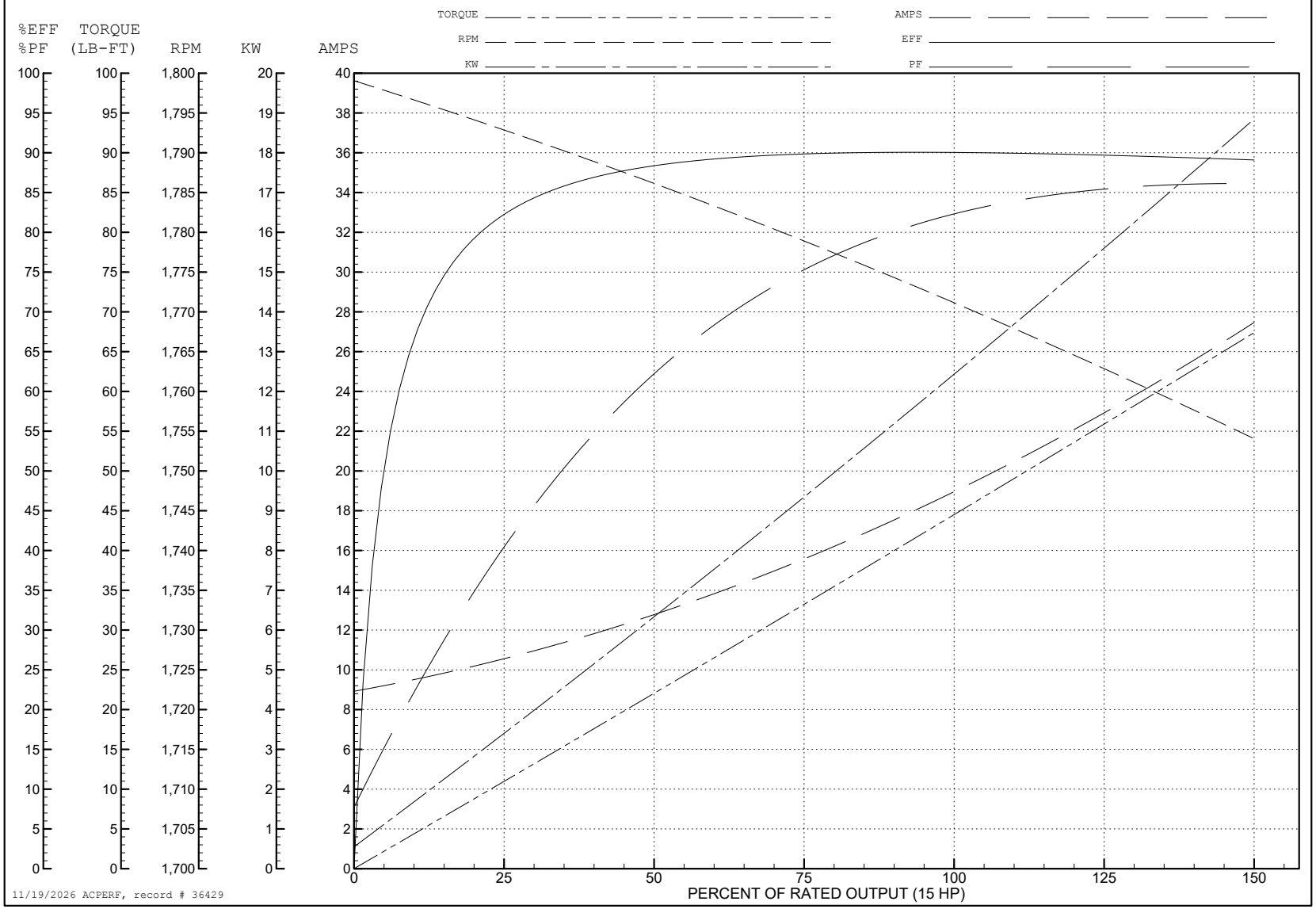
ABB Motors and Mechanical Inc.

WINDING # 09WGX185

15 HP 3 PH 60 HZ 1771 RPM 460 V 0934M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=144 PU=46 LR=82.5 LRA=116



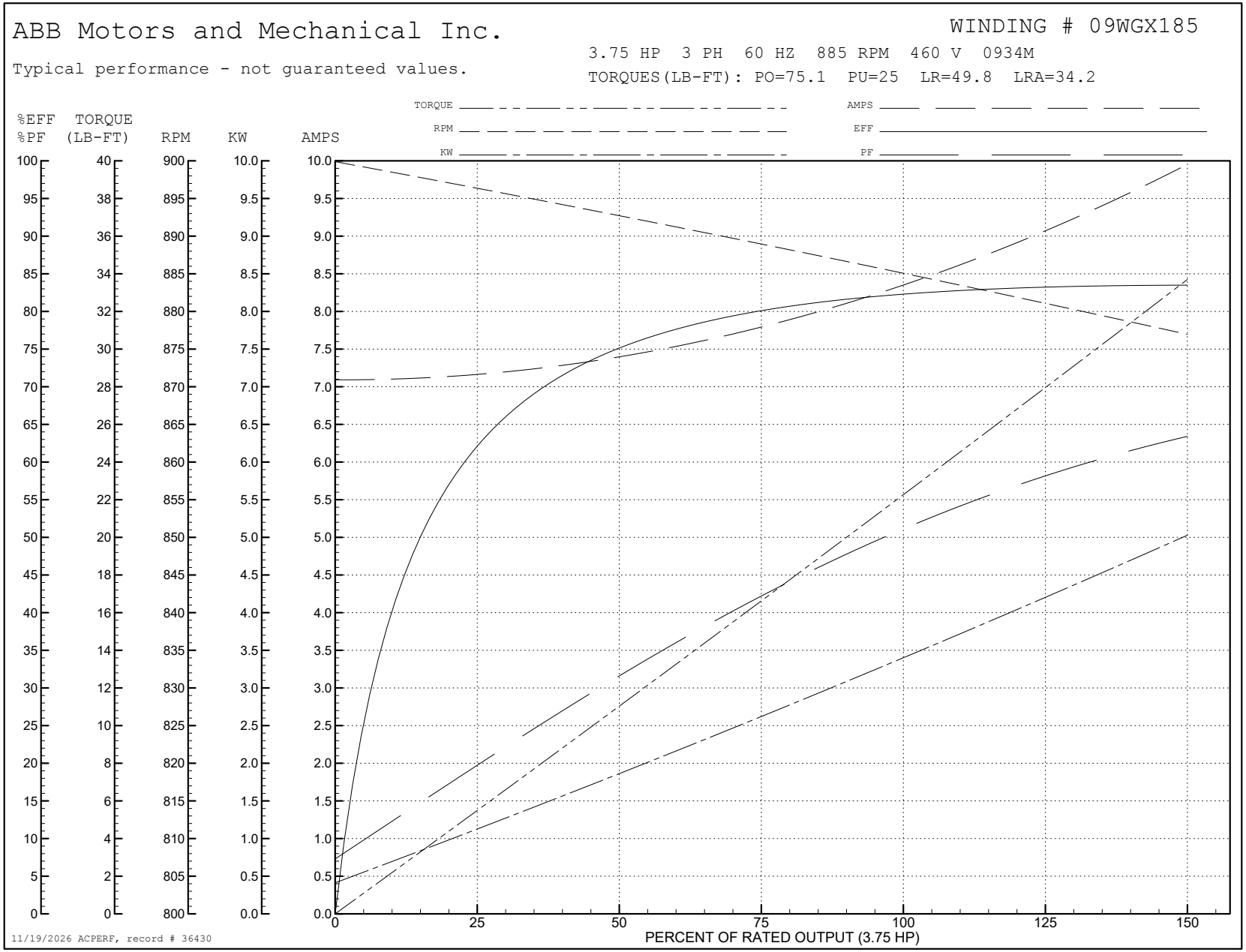
AC Induction Motor Performance Data
Record # 36430
Typical performance - not guaranteed values

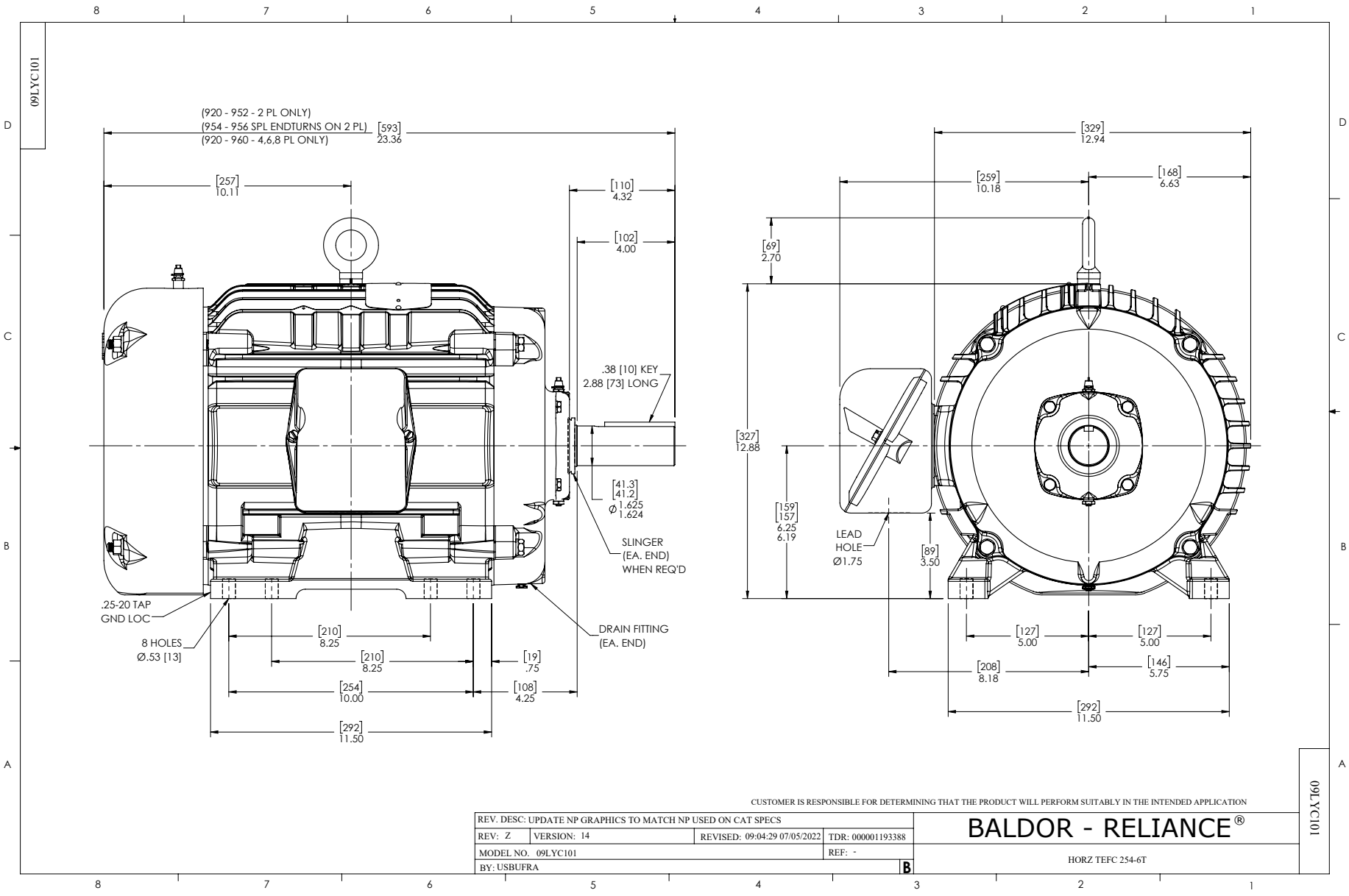
Winding: 09WGX185-R004	**Type:** 0934M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			15/3.75	**Full Load Torque**	22.2 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			19.6/8.3	**Breakdown Torque**	75.1 LB-FT
R.P.M.			1760/880	**Pull-up Torque**	25 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	49.8 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	34.2 A
Service Factor (S.F.)			1.15	**No-load Current**	7.09 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	3.41 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps				**Temp. Rise @ S.F. Load**	52°C

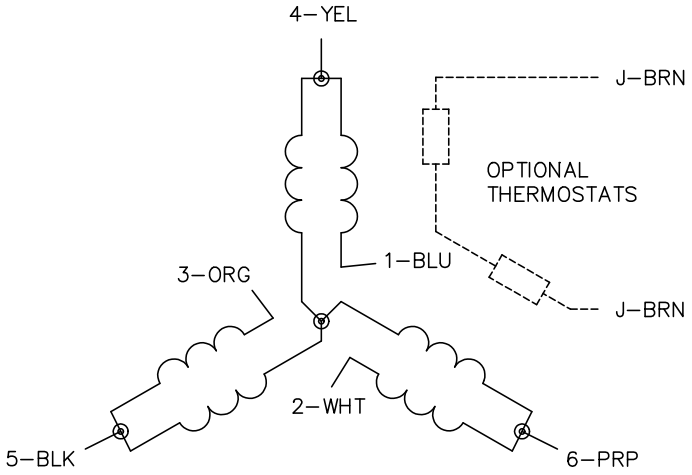
Load Characteristics 460 V, 60 Hz, 3.75 HP

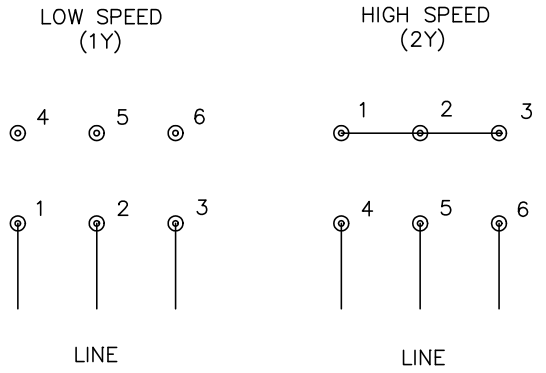
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	20	32	42	51	58	63	55
Efficiency	62.1	75.3	80.2	82.4	83.3	83.4	82.9
Speed	896	893	889	885	881	877	883
Line amperes	7.16	7.41	7.81	8.3	9.1	9.95	8.81


ABB Motors and Mechanical Inc.
WINDING # 09WGX185
3.75 HP 3 PH 60 HZ 885 RPM 460 V 0934M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=75.1 PU=25 LR=49.8 LRA=34.2
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (3.75 HP)
11/19/2026 ACPERF, record # 36430


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

CD0032





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.

CD0032

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: –
		MTL: –	3PH, SV, 6 LEADS, 2–SPEED 1–WINDING VARIABLE TORQUE