ABB BALDOR RELIANCE

Customer information packet

M1729T

25/11HP, 1760/1160RPM, 3PH, 60HZ, 324T, 1240M
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	324T
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	25.000 HP @ 60 HZ
	11.000 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	30.000 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	18.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	Y
Type	AC
Mech. spec.	12C51
Base	
Status	PRD/A
Elec. spec.	12WGX260
Layout	12LYC051
Eff. date	01-14-2025
CD Diagram	CD0013
Poles	04/06
Leads	6#10
Proprietary	False
Created date	01-01-0001

KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1240M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	30.28 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	2.125 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 (OLD)
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L											
CAT.NO.	M1729T										
SPEC.	12C051X260G1										
HP	25/11										
VOLTS	460										
AMP	30/18										
RPM	1760/1160										
FRAME	324T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	H	**DES**	A	**CLASS**	F				
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-CONT										
CC											
DE	6312		**ODE**	6311							
ENCL	TEFC	**SN**									

Accessories

Part number	Description	Multiplier
12-1105	C FACE KIT	A8
12EP1501A03SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 36416
Typical performance - not guaranteed values

Winding: 12WGX260-R002	**Type:** 1240M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			25/11	**Full Load Torque**	74 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			30/18	**Breakdown Torque**	185 LB-FT
R.P.M.			1760/1160	**Pull-up Torque**	86 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	115 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	189 A
Service Factor (S.F.)			1.15	**No-load Current**	10.9 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.597 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	71°C
S.F. Amps				**Temp. Rise @ S.F. Load**	83°C

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	55	76	84	87	58	90	70
Efficiency	81.1	87.6	89.4	89.8	89.5	88	89.6
Speed	1795	1791	1785	1780	1775	1768	1777
Line amperes	13.2	17.7	23.4	30	56.7	44.3	46

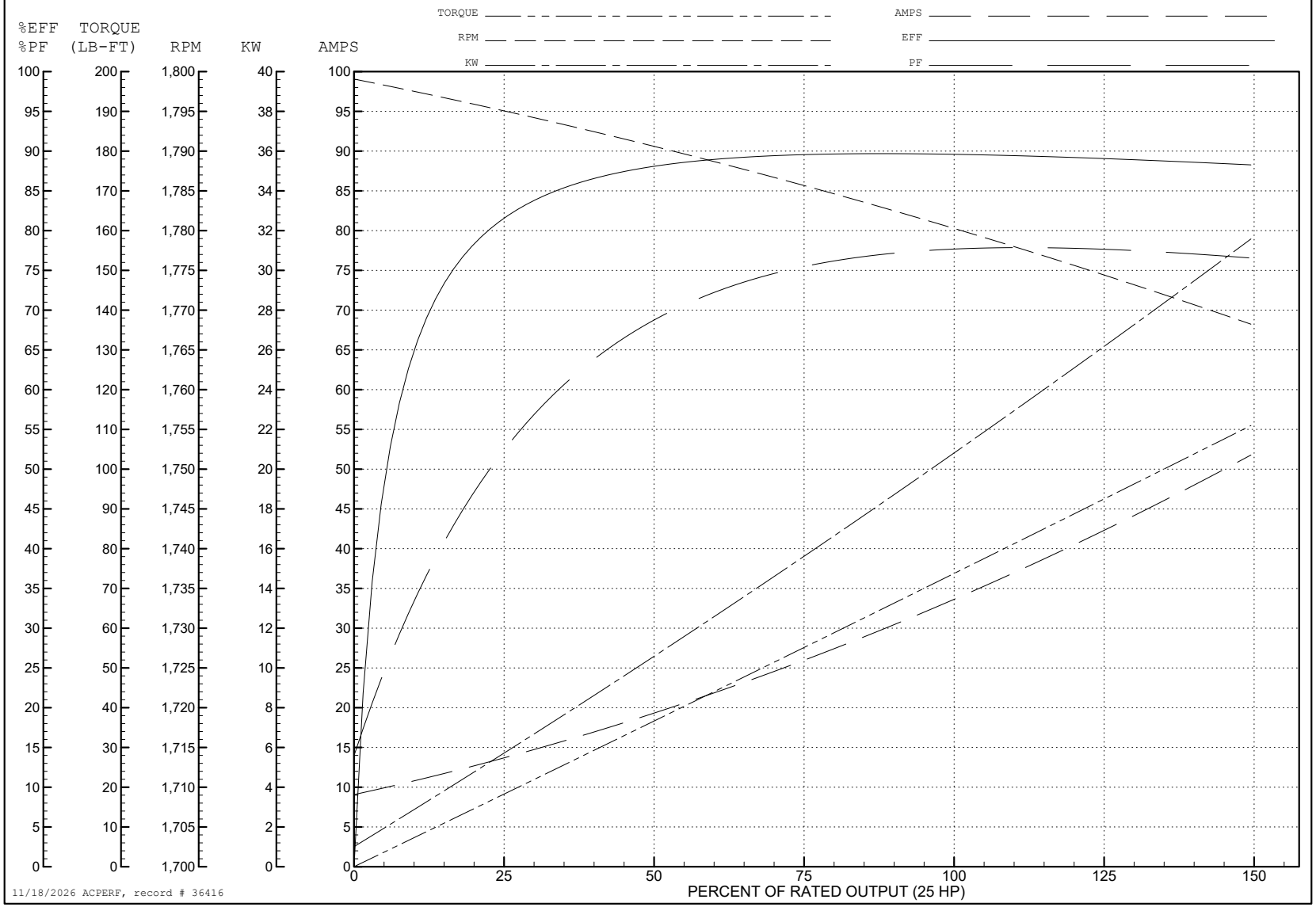
ABB Motors and Mechanical Inc.

WINDING # 12WGX260

25 HP 3 PH 60 HZ 1780 RPM 460 V 1240M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=185 PU=86 LR=115 LRA=189



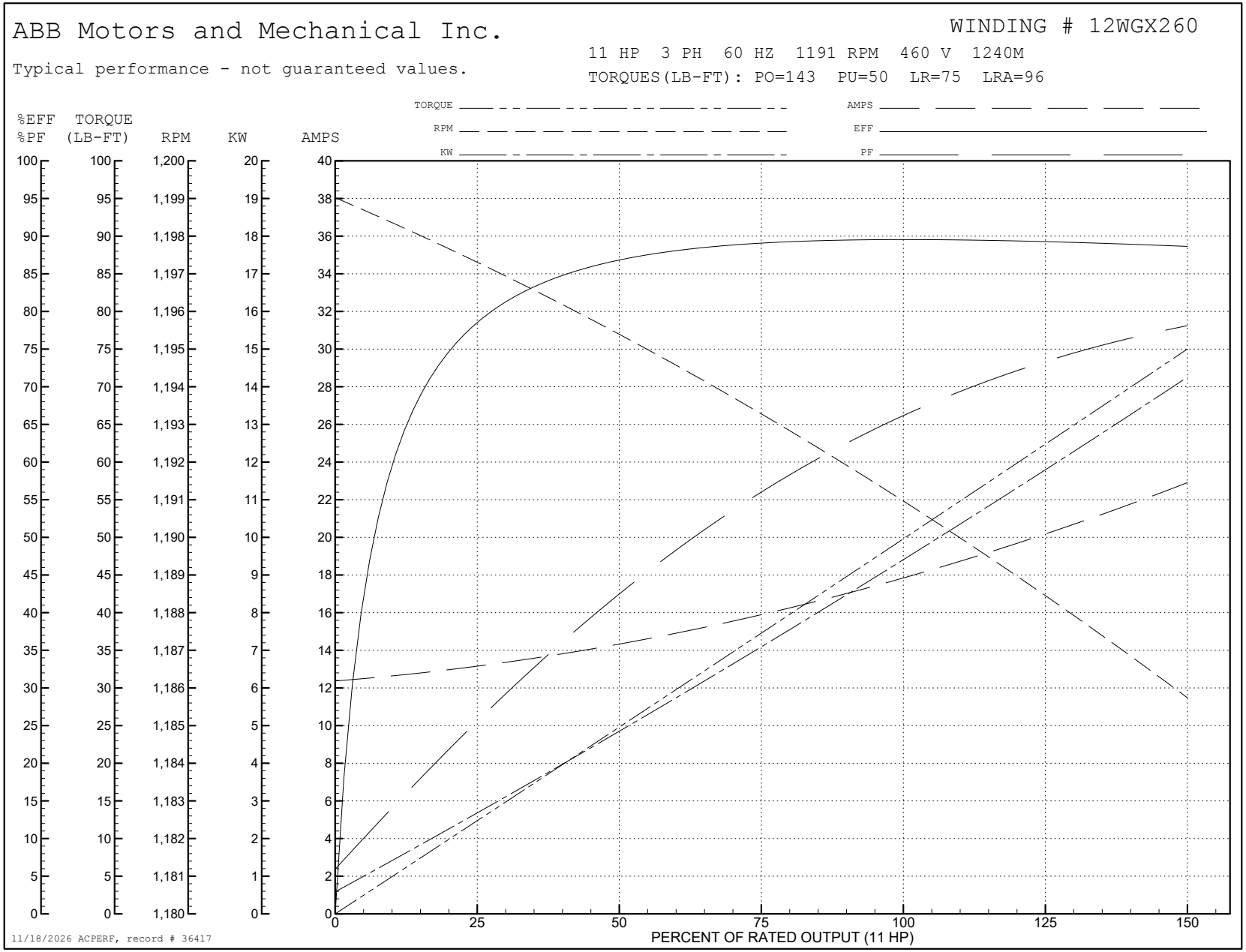
AC Induction Motor Performance Data
Record # 36417
Typical performance - not guaranteed values

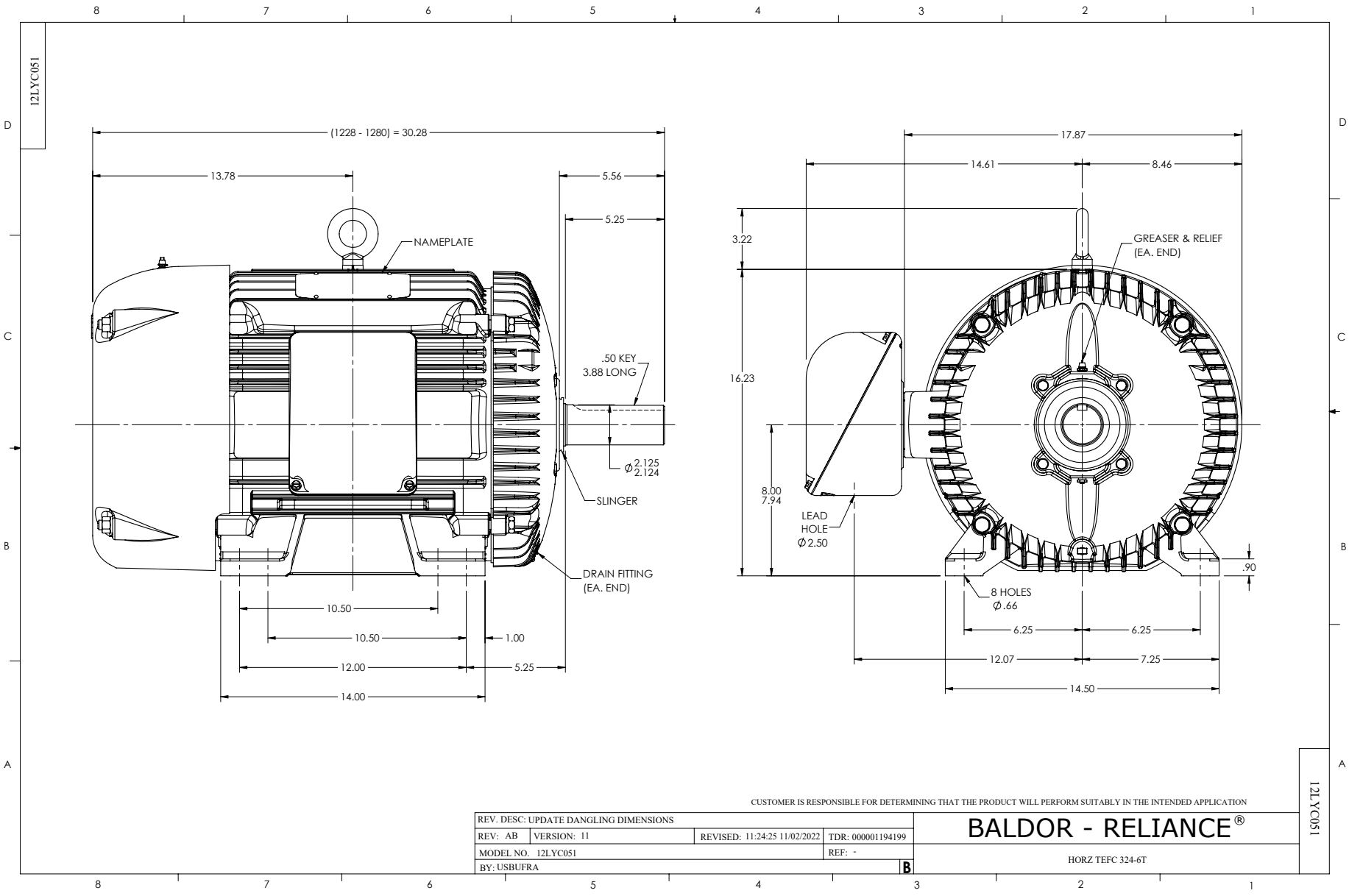
Winding: 12WGX260-R002	**Type:** 1240M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			25/11	**Full Load Torque**	50 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			30/18	**Breakdown Torque**	143 LB-FT
R.P.M.			1760/1160	**Pull-up Torque**	50 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	75 LB-FT
NEMA Design Code	B	**KVA Code**	H	**Starting Current**	96 A
Service Factor (S.F.)			1.15	**No-load Current**	12.3 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.921 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	55°C
S.F. Amps				**Temp. Rise @ S.F. Load**	63°C

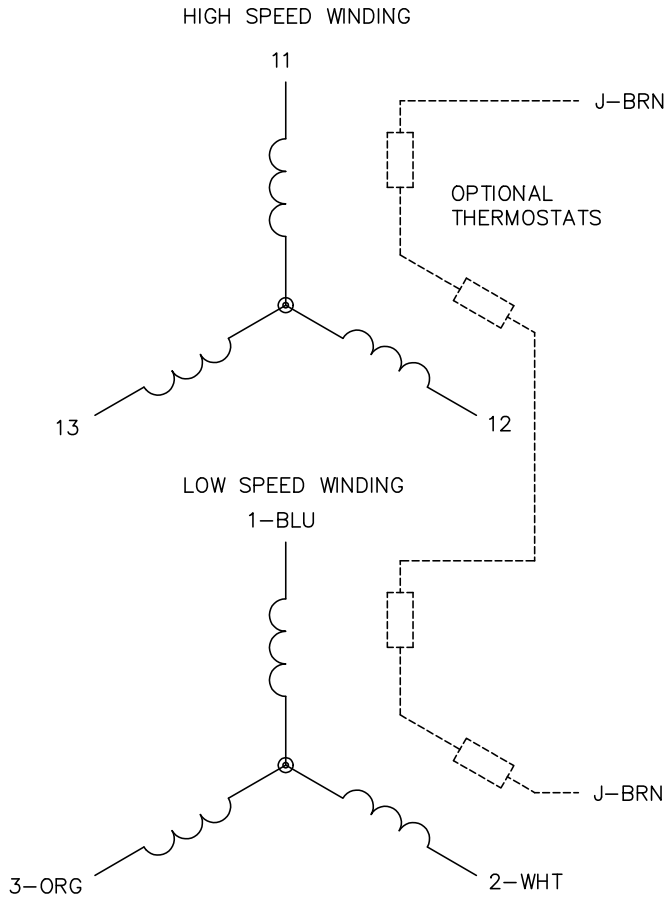
Load Characteristics 460 V, 60 Hz, 11 HP

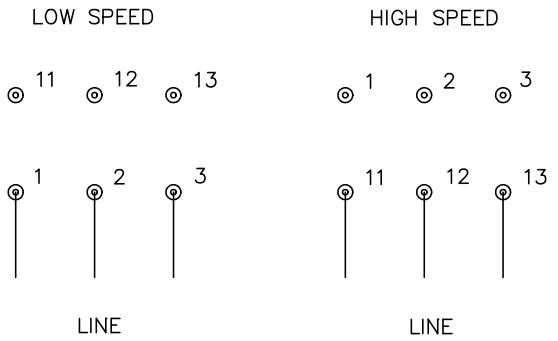
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	24	43	57	66	74	78	71
Efficiency	83.7	87.1	88.5	89.1	89.1	88.9	89.1
Speed	1197	1196	1193	1191	1188	1186	1189
Line amperes	13.3	14.3	15.9	18	20	23	19.2


ABB Motors and Mechanical Inc.
WINDING # 12WGX260
11 HP 3 PH 60 HZ 1191 RPM 460 V 1240M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=143 PU=50 LR=75 LRA=96
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (11 HP)
11/18/2026 ACPERF, record # 36417


12LYC051
(1228 - 1280) = 30.28
13.78
5.56
5.25
NAMEPLATE
.50 KEY
3.88 LONG
Ø 2.125
2.124
SLINGER
DRAIN FITTING
(EA. END)
10.50
10.50
1.00
12.00
5.25
14.00
17.87
14.61
8.46
3.22
GREASER & RELIEF
(EA. END)
16.23
8.00
7.94
LEAD
HOLE
Ø 2.50
.90
8 HOLES
Ø .66
6.25
6.25
12.07
7.25
14.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE DANGLING DIMENSIONS
REV: AB
VERSION: 11
REVISED: 11:24:25 11/02/2022
TDR: 000001194199
MODEL NO. 12LYC051
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ TEFC 324-6T
12LYC051

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