ABB BALDOR RELIANCE

Customer information packet

M1727T

15/6.7HP, 1760/1160RPM, 3PH, 60HZ, 284T
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	284T
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	6.700 HP @ 60 HZ
	15.000 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	19.300 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	10.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AF
Type	AC
Mech. spec.	10C151
Base	
Status	PRD/A
Elec. spec.	10WGW439
Layout	10LYC151
Eff. date	01-07-2026
CD Diagram	CD0013
Poles	04/06
Leads	6#10
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 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1036M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	27.76 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	1.875 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.	M1727T								
SPEC.	10C151W439								
HP	15/6.7								
VOLTS	460								
AMP	19.3/10								
RPM	1760/1160								
FRAME	284T	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	G	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF		**PF**							
RATING	40C AMB-CONT								
CC									
DE	6311	**ODE**	6309						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
10-1305	C FACE KIT	A8
10EP1502A01SP	D-FLANGE KIT	A8

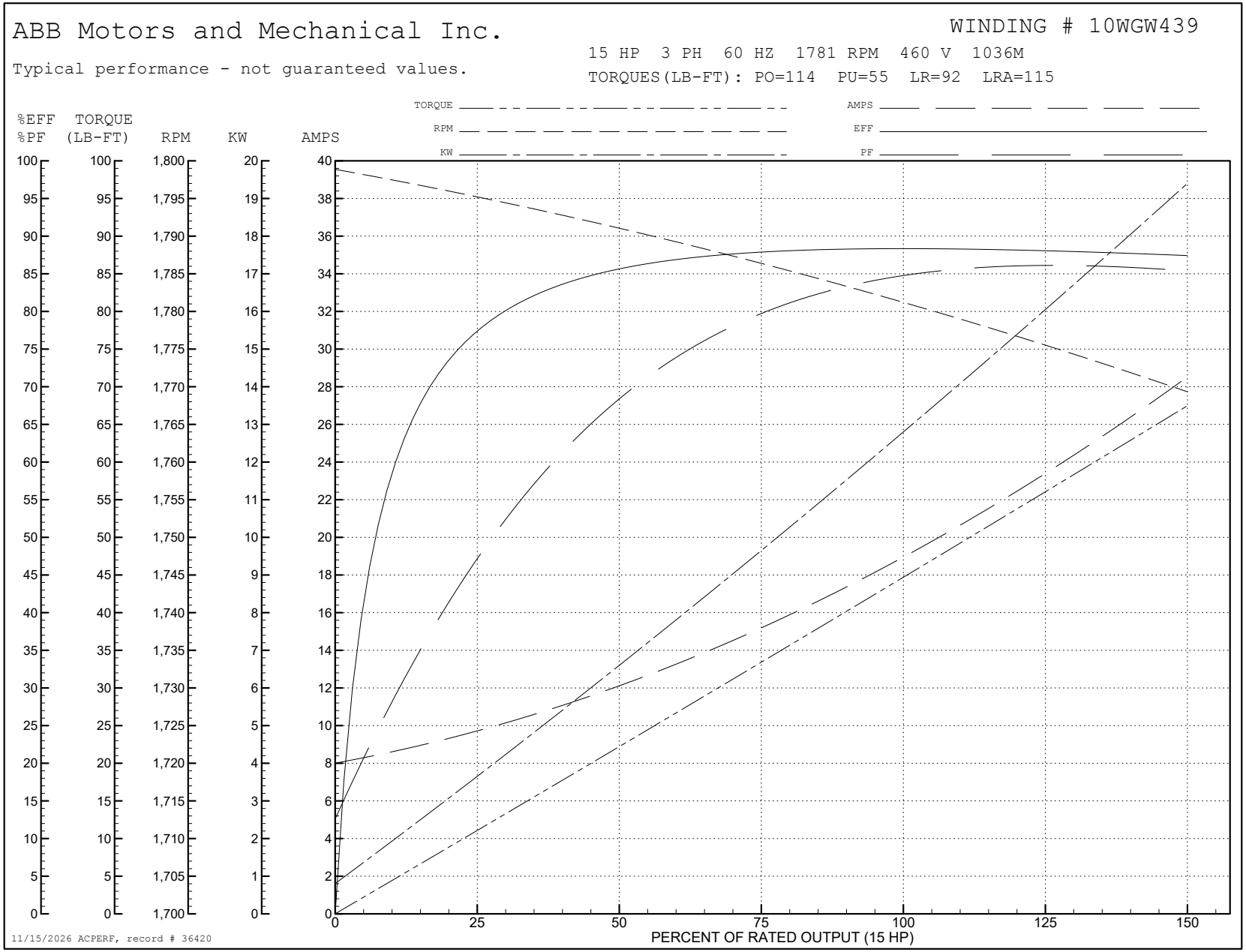
AC Induction Motor Performance Data
Record # 36420
Typical performance - not guaranteed values

Winding: 10WGW439-R002	**Type:** 1036M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)			15/6.7	**Full Load Torque**	45 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			19.3/10	**Breakdown Torque**	114 LB-FT
R.P.M.			1760/1160	**Pull-up Torque**	55 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	92 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	115 A
Service Factor (S.F.)			1.15	**No-load Current**	8.2 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	0.826 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	70°C
S.F. Amps				**Temp. Rise @ S.F. Load**	82°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	47	67	77	82	86	84	84
Efficiency	77.2	85.4	87.9	88.5	88.2	87.3	88.3
Speed	1795	1791	1786	1781	1776	1769	1778
Line amperes	9.5	12.1	15.2	19.4	23.5	28.4	21.9


ABB Motors and Mechanical Inc.
WINDING # 10WGW439
Typical performance - not guaranteed values.
15 HP 3 PH 60 HZ 1781 RPM 460 V 1036M
TORQUES(LB-FT): PO=114 PU=55 LR=92 LRA=115
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (15 HP)
11/15/2026 ACPERF, record # 36420

AC Induction Motor Performance Data
Record # 36421
Typical performance - not guaranteed values

Winding: 10WGW439-R002	**Type:** 1036M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: Low Speed Connection**	
Rated Output (HP)			15/6.7	**Full Load Torque**	30 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			19.3/10	**Breakdown Torque**	80 LB-FT
R.P.M.			1760/1160	**Pull-up Torque**	45 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	80 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	60 A
Service Factor (S.F.)			1.15	**No-load Current**	5.5 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	2.45 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	48°C
S.F. Amps				**Temp. Rise @ S.F. Load**	56°C

Load Characteristics 460 V, 60 Hz, 6.7 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	35	55	65	73	76	78	75
Efficiency	70.5	81.5	84.3	85.3	85.1	84.1	85.2
Speed	1197	1194	1191	1188	1185	1180	1186
Line amperes	6	7.1	8.4	10.2	11.9	14.3	11.2

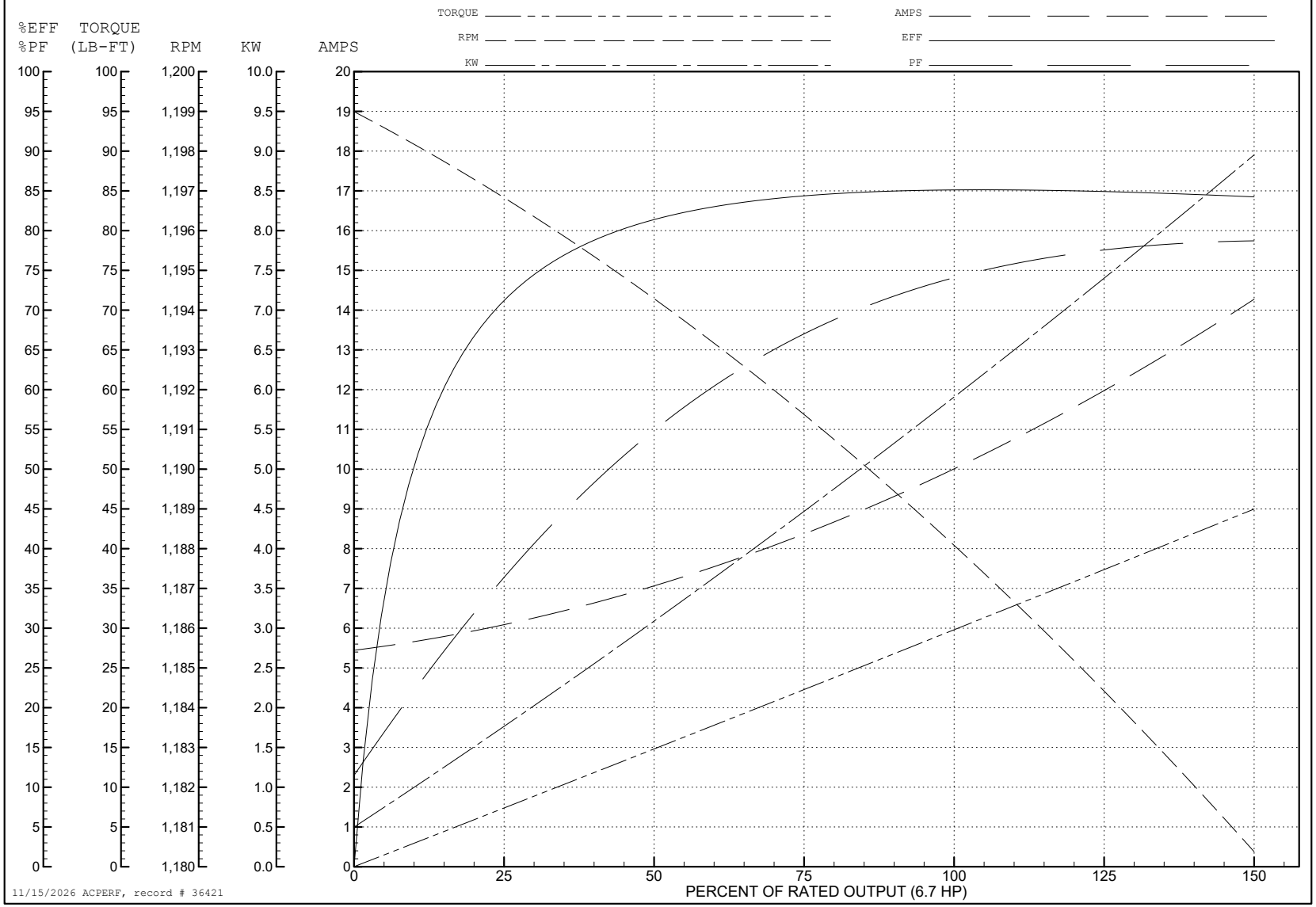
ABB Motors and Mechanical Inc.

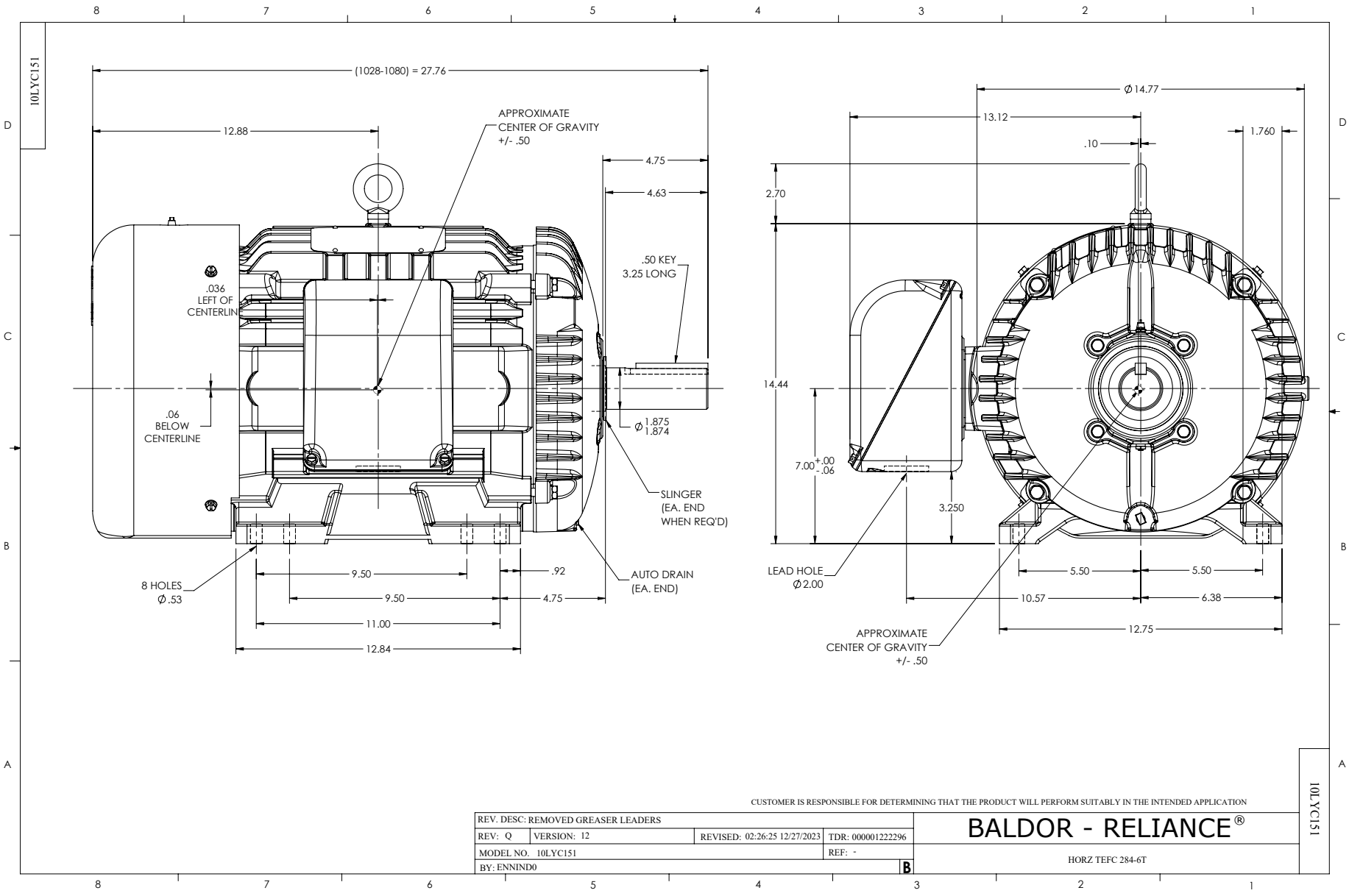
WINDING # 10WGW439

6.7 HP 3 PH 60 HZ 1188 RPM 460 V 1036M

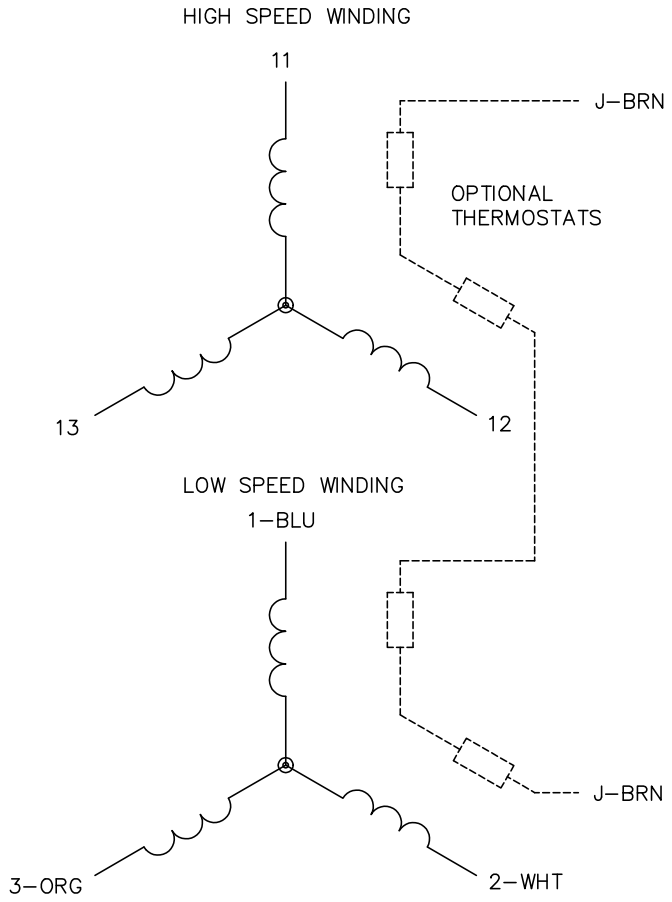
Typical performance - not guaranteed values.

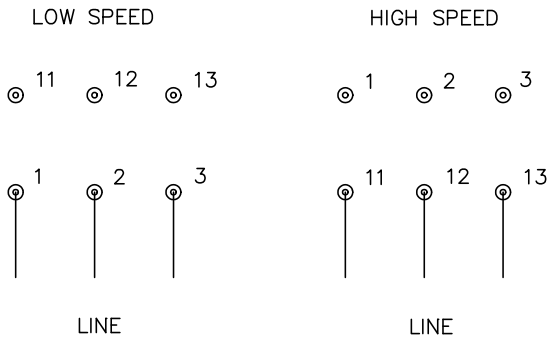
TORQUES(LB-FT): PO=80 PU=45 LR=80 LRA=60




10LYC151
(1028-1080) = 27.76
12.88
APPROXIMATE
CENTER OF GRAVITY
+/- .50
4.75
4.63
.50 KEY
3.25 LONG
.036
LEFT OF
CENTERLIN
.06
BELOW
CENTERLINE
Ø 1.875
1.874
SLINGER
(EA. END
WHEN REQ'D)
AUTO DRAIN
(EA. END)
8 HOLES
Ø .53
9.50
.92
9.50
4.75
11.00
12.84
Ø 14.77
13.12
.10
1.760
2.70
14.44
7.00 +.00 -.06
3.250
LEAD HOLE
Ø 2.00
5.50
5.50
10.57
6.38
12.75
APPROXIMATE
CENTER OF GRAVITY
+/- .50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REMOVED GREASER LEADERS
REV: Q
VERSION: 12
REVISED: 02:26:25 12/27/2023
TDR: 000001222296
MODEL NO. 10LYC151
REF: -
BY: ENNIND0
B
BALDOR - RELIANCE®
HORZ TEFC 284-6T
10LYC151

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