ABB BALDOR RELIANCE

Customer information packet

M1762T

20/5HP, 1760/870RPM, 3PH, 60HZ, 284T, 1034M
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	5.000 HP @ 60 HZ
	20.000 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	26.000 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	9.4 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AG
Type	AC
Mech. spec.	10C151
Base	
Status	PRD/A
Elec. spec.	10WGW441
Layout	10LYC151
Eff. date	01-07-2026
CD Diagram	CD0032
Poles	04/08
Leads	6#10
Proprietary	False
Created date	01-01-0001

KVA Code	F
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	1034M
Mounting Arrangement	F1
Number of Poles	4
	8
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	1760 rpm
	870 rpm
Speed Code	2S-1W-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.	M1762T										
SPEC.	10C151W441										
HP	20/5										
VOLTS	460										
AMP	25/10										
RPM	1765/880										
FRAME	284T		**HZ**	60				**PH**	3		
SER.F.	1.15	**CODE**	G	**DES**	A	**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 # 33615
Typical performance - not guaranteed values

Winding: 10WGW441-R002	**Type:** 1034M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Speed Connection**	
Rated Output (HP)		20/5	**Full Load Torque**	59.38 LB-FT
Volts		460	**Start Configuration**	direct on line
Full Load Amps		25/10	**Breakdown Torque**	132 LB-FT
R.P.M.		1765/880	**Pull-up Torque**	85.7 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	105 LB-FT
NEMA Design Code	A **KVA Code**	G	**Starting Current**	156 A
Service Factor (S.F.)		1.15	**No-load Current**	10.47 A
NEMA Nom. Eff.	0 **Power Factor**	0	**Line-line Res. @ 25ºC**	0.592 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps			**Temp. Rise @ S.F. Load**	88°C
			Locked-rotor Power Factor	39.3
			Rotor inertia	2.73 LB-FT2

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	48	70	79	83	85	84	86
Efficiency	83.6	89.3	90.4	89.8	89.1	86.9	87.4
Speed	1793	1786	1778	1767	1758	1747	1765
Line amperes	11.77	15.12	19.8	24.96	30.61	37.43	28.9

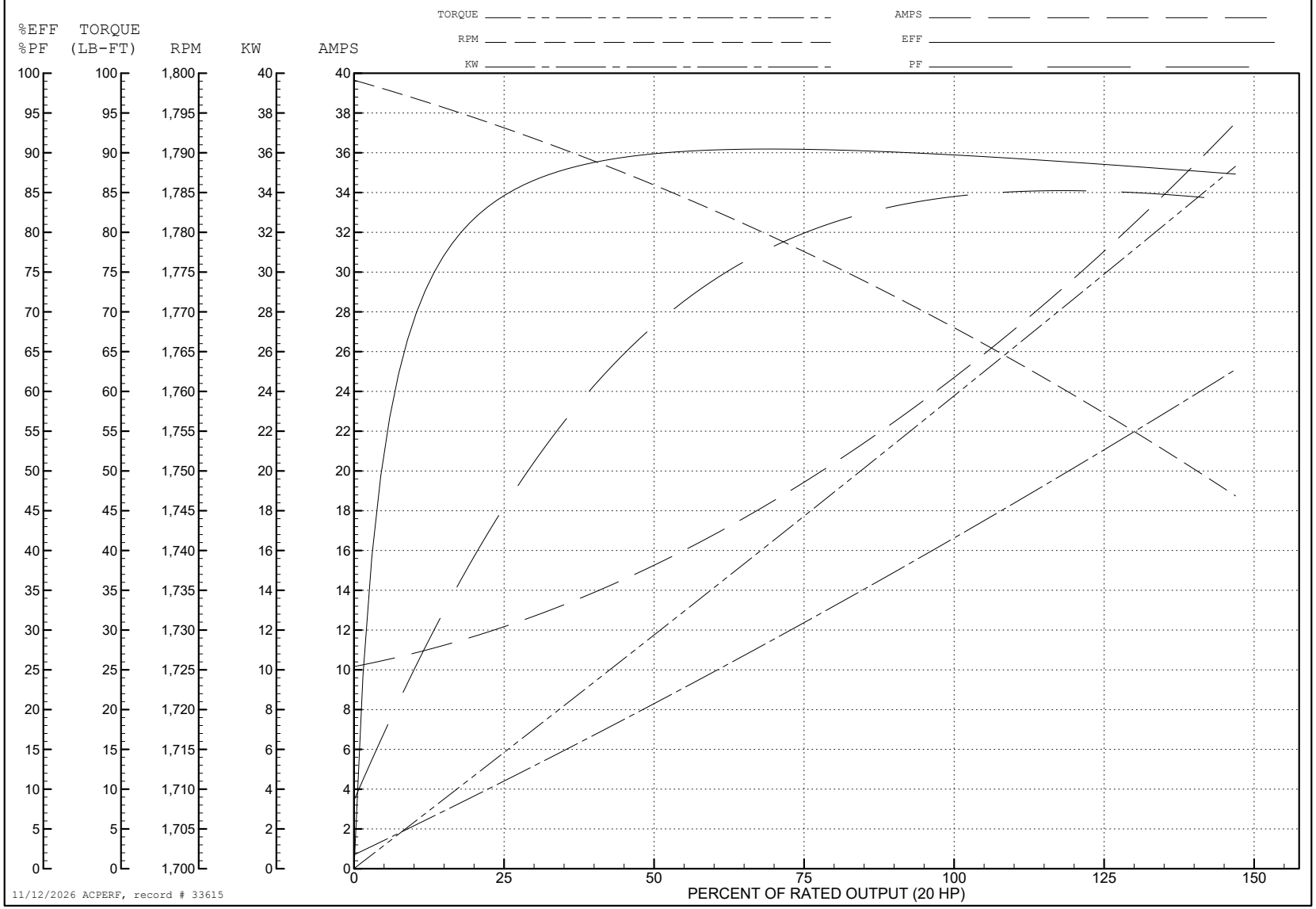
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WINDING # 10WGW441

20 HP 3 PH 60 HZ 1767 RPM 460 V 1034M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=132 PU=85.7 LR=105 LRA=156



AC Induction Motor Performance Data
Record # 33616
Typical performance - not guaranteed values

Winding: 10WGW441-R002	**Type:** 1034M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			20/5
Volts			460
Full Load Amps			25/10
R.P.M.			1765/880
Hz	60	**Phase**	3
NEMA Design Code	A	**KVA Code**	G
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: Low Speed Connection	
Full Load Torque	31.26 LB-FT
Start Configuration	direct on line
Breakdown Torque	45.2 LB-FT
Pull-up Torque	49.8 LB-FT
Locked-rotor Torque	71.3 LB-FT
Starting Current	42.2 A
No-load Current	7.14 A
Line-line Res. @ 25ºC	2.37 Ω
Temp. Rise @ Rated Load	29°C
Temp. Rise @ S.F. Load	39°C
Locked-rotor Power Factor	37.8
Rotor inertia	2.73 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	24	38	49	57	62	64	65
Efficiency	72.8	82.2	85.4	86.1	86	84.6	83.5
Speed	896	892	889	884	880	873	883
Line amperes	7.35	7.94	8.82	10	11.53	13.34	9.94

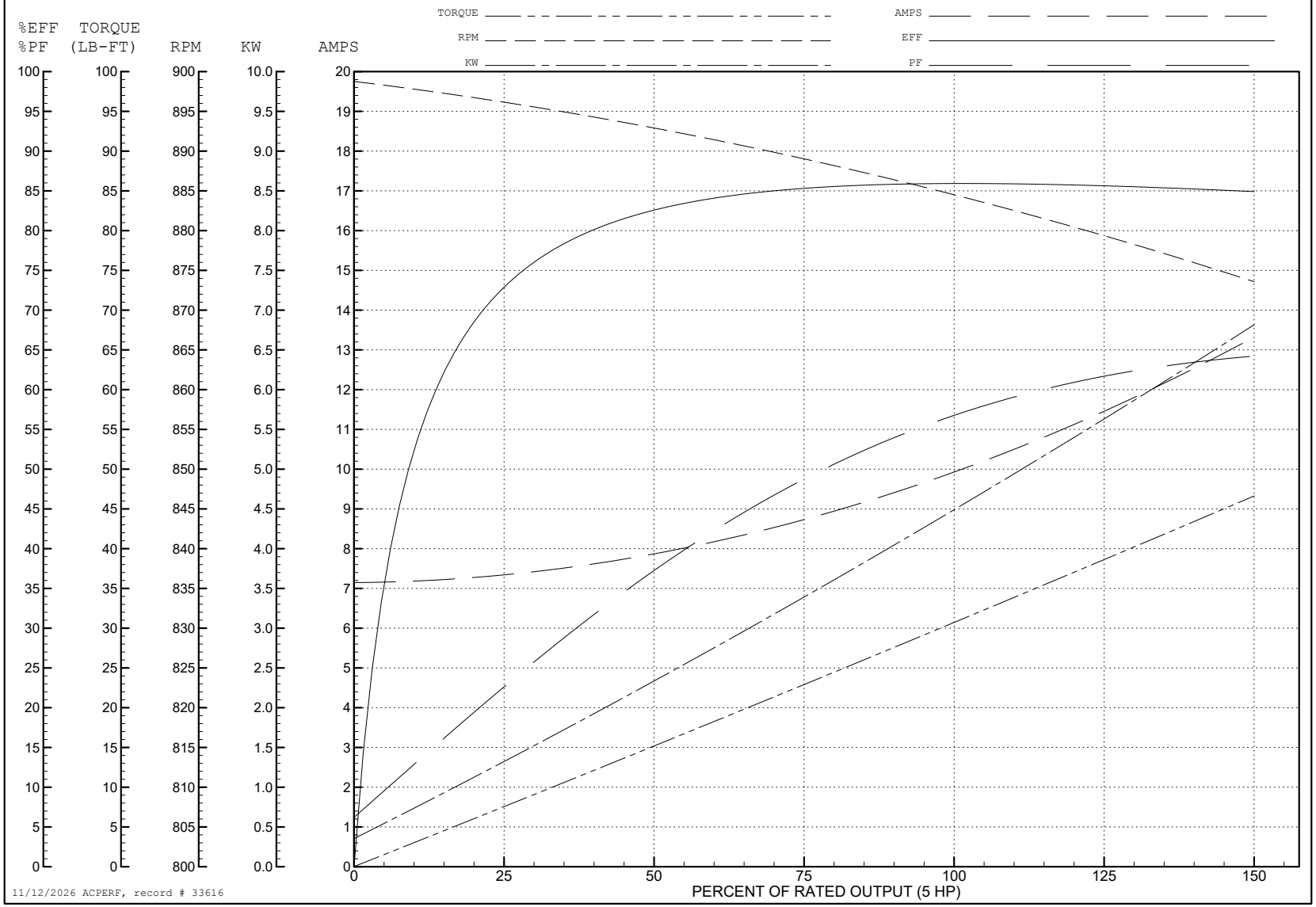
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WINDING # 10WGW441

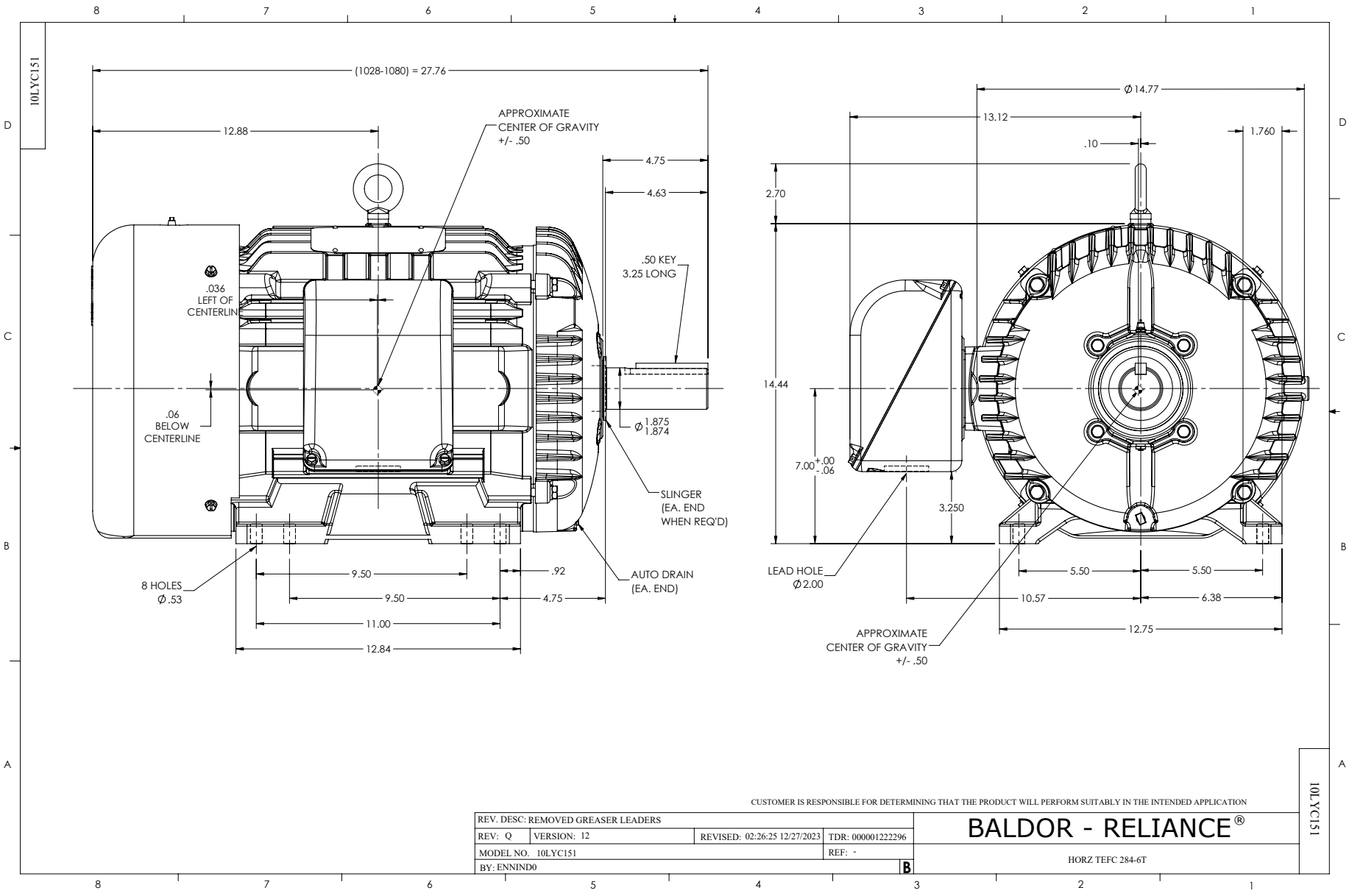
5 HP 3 PH 60 HZ 884 RPM 460 V 1034M

Typical performance - not guaranteed values.

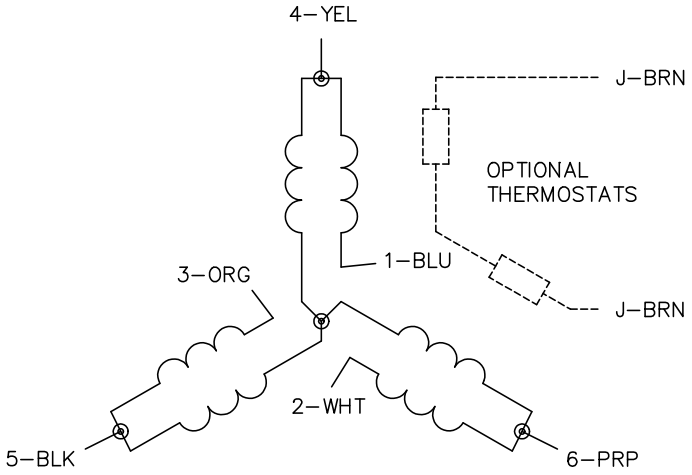
TORQUES(LB-FT): PO=45.2 PU=49.8 LR=71.3 LRA=42.2

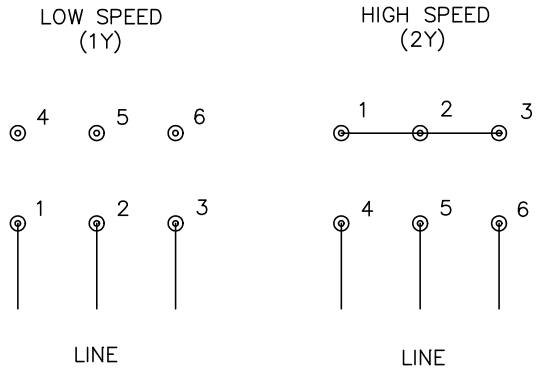


11/12/2026 ACPERF, record # 33616


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)
8 HOLES
Ø .53
9.50
.92
9.50
4.75
11.00
12.84
AUTO DRAIN
(EA. END)
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

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