



Customer information packet

M1713T

25/13HP, 1760/870RPM, 3PH, 60HZ, 286T, 1048M

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	286T
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 13.000 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	29.000 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	27.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part detail

Revision	AF
Type	AC
Mech. spec.	10C151
Base	
Status	PRD/A
Elec. spec.	10WGW425
Layout	10LYC151
Eff. date	09-10-2025
CD Diagram	CD0011
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	1048M
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 880 rpm
Speed Code	2S-1W-CT
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.	M1713T								
SPEC.	10C151W425								
HP	25/13								
VOLTS	460								
AMP	29/27								
RPM	1760/880								
FRAME	286T		HZ	60			PH	3	
SER.F.	1.15	CODE	F	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 # 30626

Typical performance - not guaranteed values

Winding: 10WGW425-R003			Type: 1048M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Speed Connection				
Rated Output (HP)		25/13	Full Load Torque		74.44 LB-FT		
Volts		460	Start Configuration		direct on line		
Full Load Amps		29/27	Breakdown Torque		184 LB-FT		
R.P.M.		1760/880	Pull-up Torque		100 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		123 LB-FT	
NEMA Design Code		B	KVA Code	F	Starting Current		171 A
Service Factor (S.F.)		1.15		No-load Current		9.05 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		0.504 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		71°C	
S.F. Amps				Temp. Rise @ S.F. Load		90°C	
				Locked-rotor Power Factor		39.6	
				Rotor inertia		3.86 LB-FT2	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	80	86	89	90	90	87
Efficiency	86.9	91	91.4	90.5	89.5	87.2	89.6
Speed	1791	1783	1773	1761	1750	1737	1750
Line amperes	11.41	16.26	22.37	28.87	35.83	43.95	33.1

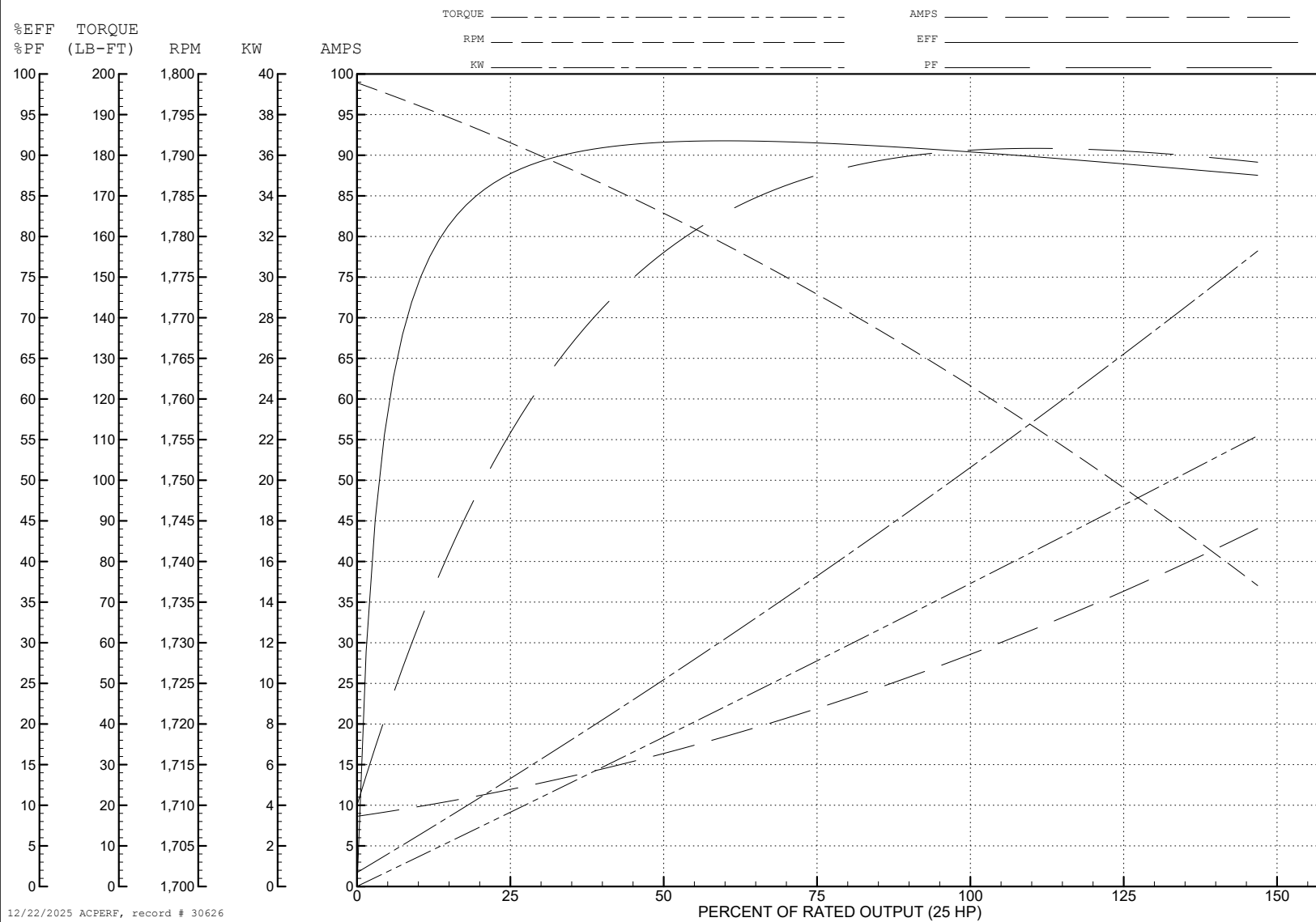
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WINDING # 10GW425

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1761 RPM 460 V 1048M

TORQUES (LB-FT): PO=184 PU=100 LR=123 LRA=171



AC Induction Motor Performance Data

Record # 30627

Typical performance - not guaranteed values

Winding: 10WGW425-R003			Type: 1048M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: Low Speed Connection			
Rated Output (HP)		25/13		Full Load Torque		81.41 LB-FT	
Volts		460		Start Configuration		direct on line	
Full Load Amps		29/27		Breakdown Torque		138 LB-FT	
R.P.M.		1760/880		Pull-up Torque		137 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		196 LB-FT	
NEMA Design Code		B		KVA Code	F		
Service Factor (S.F.)		1.15		Starting Current		107 A	
NEMA Nom. Eff.		0		Power Factor	0		
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	72°C
S.F. Amps						Temp. Rise @ S.F. Load	77°C
						Locked-rotor Power Factor	34.9
						Rotor inertia	3.86 LB-FT2

Load Characteristics 460 V, 60 Hz, 13 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	21	35	46	55	60	64	59
Efficiency	73.9	83.2	86.3	87.1	87.2	86.2	87.5
Speed	895	890	886	880	875	868	875
Line amperes	21.02	22.31	24.24	26.82	30.25	34.02	26.3

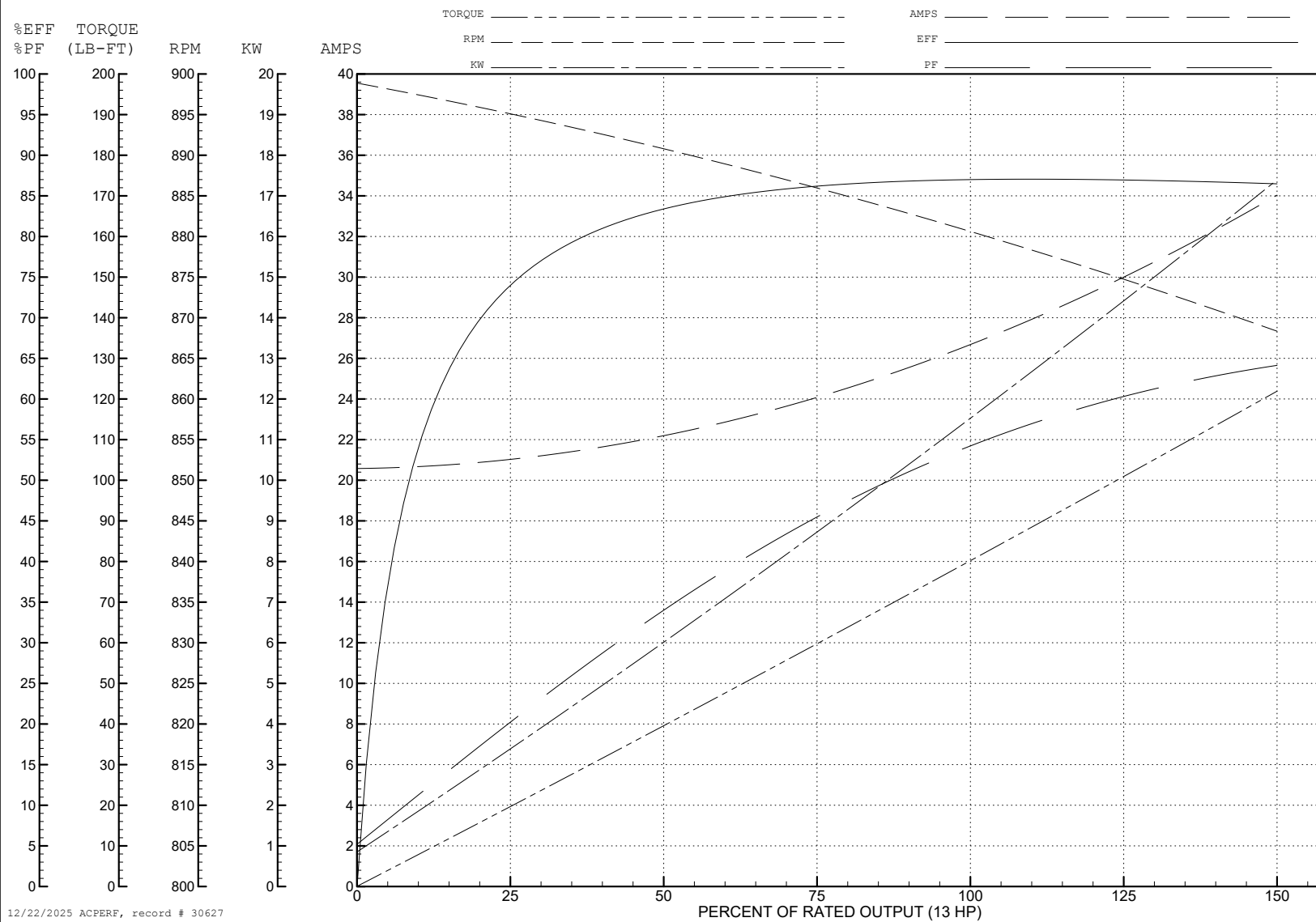
ABB Motors and Mechanical Inc.

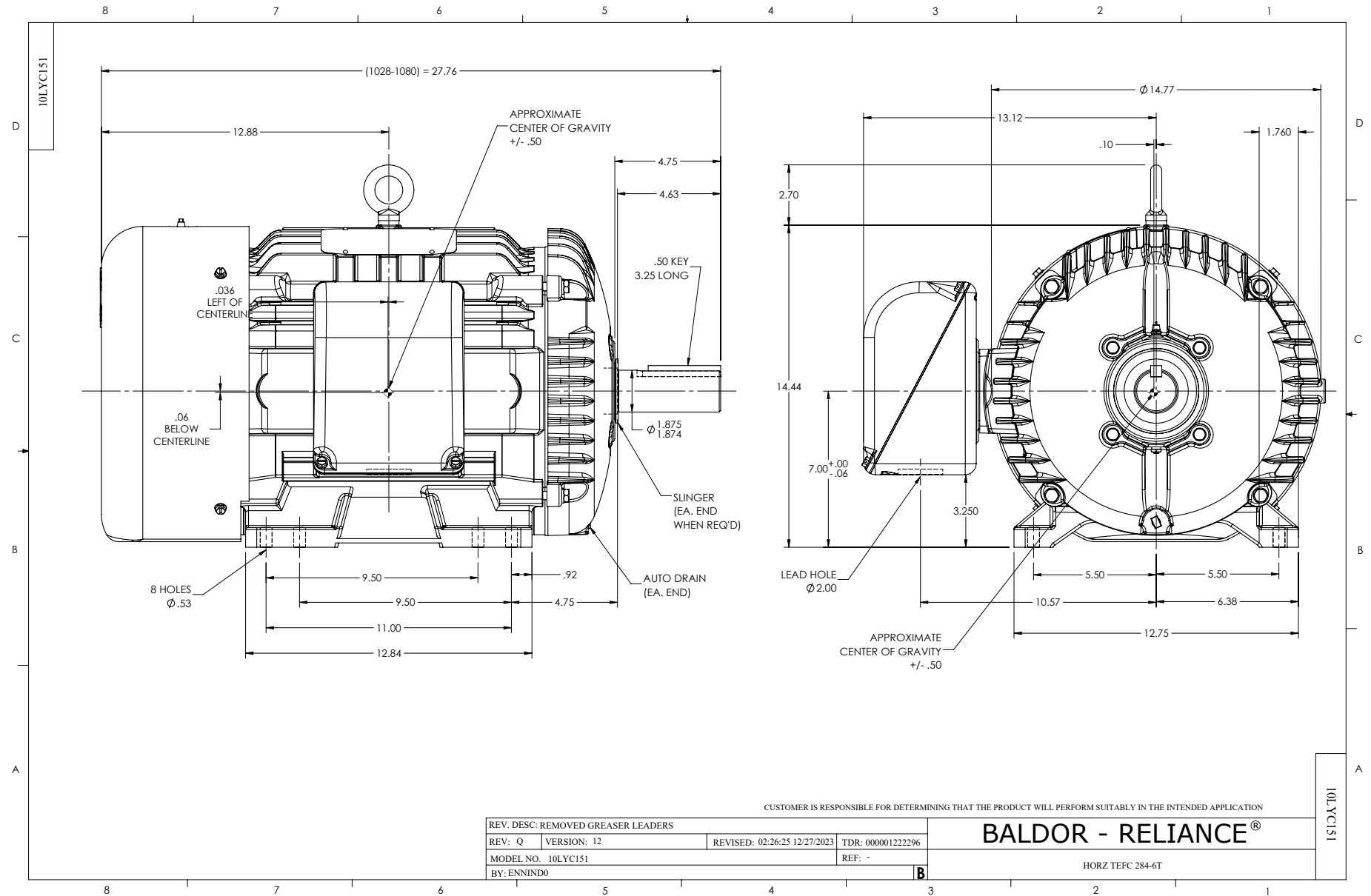
WINDING # 10GW425

Typical performance - not guaranteed values.

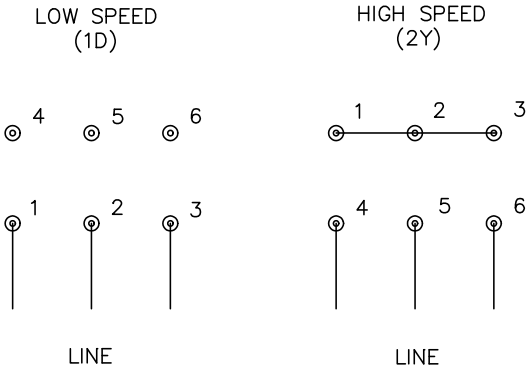
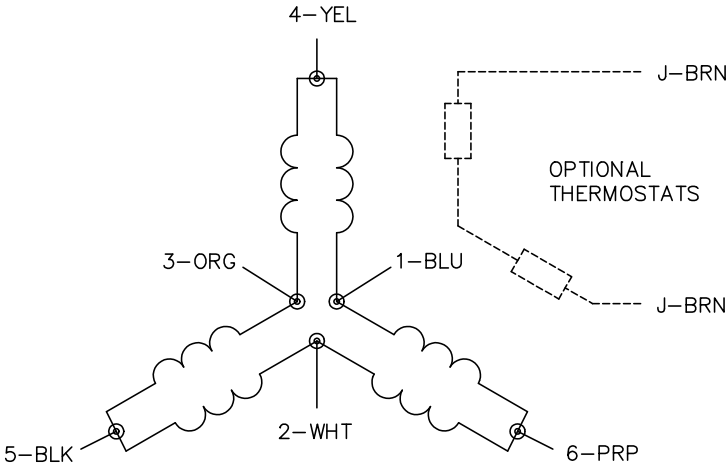
13 HP 3 PH 60 HZ 880 RPM 460 V 1048M

TORQUES (LB-FT): PO=138 PU=137 LR=196 LRA=107





CD0011



- 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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: F	BY: JLP	REVISED: 01/21/99 5:04	TDR: 0171435
CD0011		FILE: DWG\142.wg	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING CONSTANT TORQUE

CD0011