



Customer information packet

CXM25222T

20//15HP, 3530//2930RPM, 3PH, 60//50HZ, 256T

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	256TC
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	20.000 HP @ 60 HZ 15.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ
Agency Approvals	UL CSA EEV
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
Constant Torque Speed Range	6
Current @ Voltage	20.000 A @ 380.0 V 22.000 A @ 460.0 V 40.000 A @ 190.0 V 44.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGZ651
Layout	09LYE689
Eff. date	11-14-2023
CD Diagram	CD0180
Poles	02
Leads	9#10
Proprietary	False
Created date	02-17-2021

Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	20.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0950M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	26.00 IN
Power Factor	91
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3530 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP0887XPSLEV													
NO.							CC	010A					
S/N							TEMP CODE		T3C				
SPEC.	09-0000-2930						INV.TYPE		PWM				
CAT.NO.	CXM25222T						C HP FR	60	C HP TO	90			
HP	20//15						CT HZ FROM	6	CT HZ TO	60			
VOLTS	230/460//190/380						VT HZ FROM	6	VT HZ TO	60			
AMPS	44/22//40/20					MAG CUR	10.6/5.3						
RPM	3530//2930					MX RPM	5400						
HZ	60//50	PH	3	CL	F	NOM.EFF.	91						
SER.F.	1.00	DES	A	SL HZ	1.2	WK2	1.28						
FRAME	256TC	RATING		40C AMB-CONT									
	NEMA MG-1 PART 5, IP54												
	1.15 SF ON SINE WAVE												

AC Induction Motor Performance Data

Record # 31502

Typical performance - not guaranteed values

Winding: 09WGZ601-R003			Type: 0936M		Enclosure: TEFC			
Nameplate Data					460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		20//15		Full Load Torque		29.6 LB-FT		
Volts		230/460//190/380		Start Configuration		direct on line		
Full Load Amps		46/23//42/21		Breakdown Torque		111 LB-FT		
R.P.M.		3520//2930		Pull-up Torque		39.1 LB-FT		
Hz		60//50	Phase	3	Locked-rotor Torque		49.6 LB-FT	
NEMA Design Code		B		KVA Code	H	Starting Current		161 A
Service Factor (S.F.)		1.15		No-load Current		7.17 A		
NEMA Nom. Eff.		91	Power Factor		89	Line-line Res. @ 25°C		0.47592 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		76°C
S.F. Amps						Temp. Rise @ S.F. Load		95°C
						Locked-rotor Power Factor		29
						Rotor inertia		0.92 LB-FT2

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	58	78	86	89	90	90	90
Efficiency	88.9	92.2	92.4	91.7	90.7	89.2	91.1
Speed	3579.6	3561.5	3541.3	3519.5	3495.4	3467.8	3505
Line amperes	9	13	17.7	22.9	28.6	35	26.3

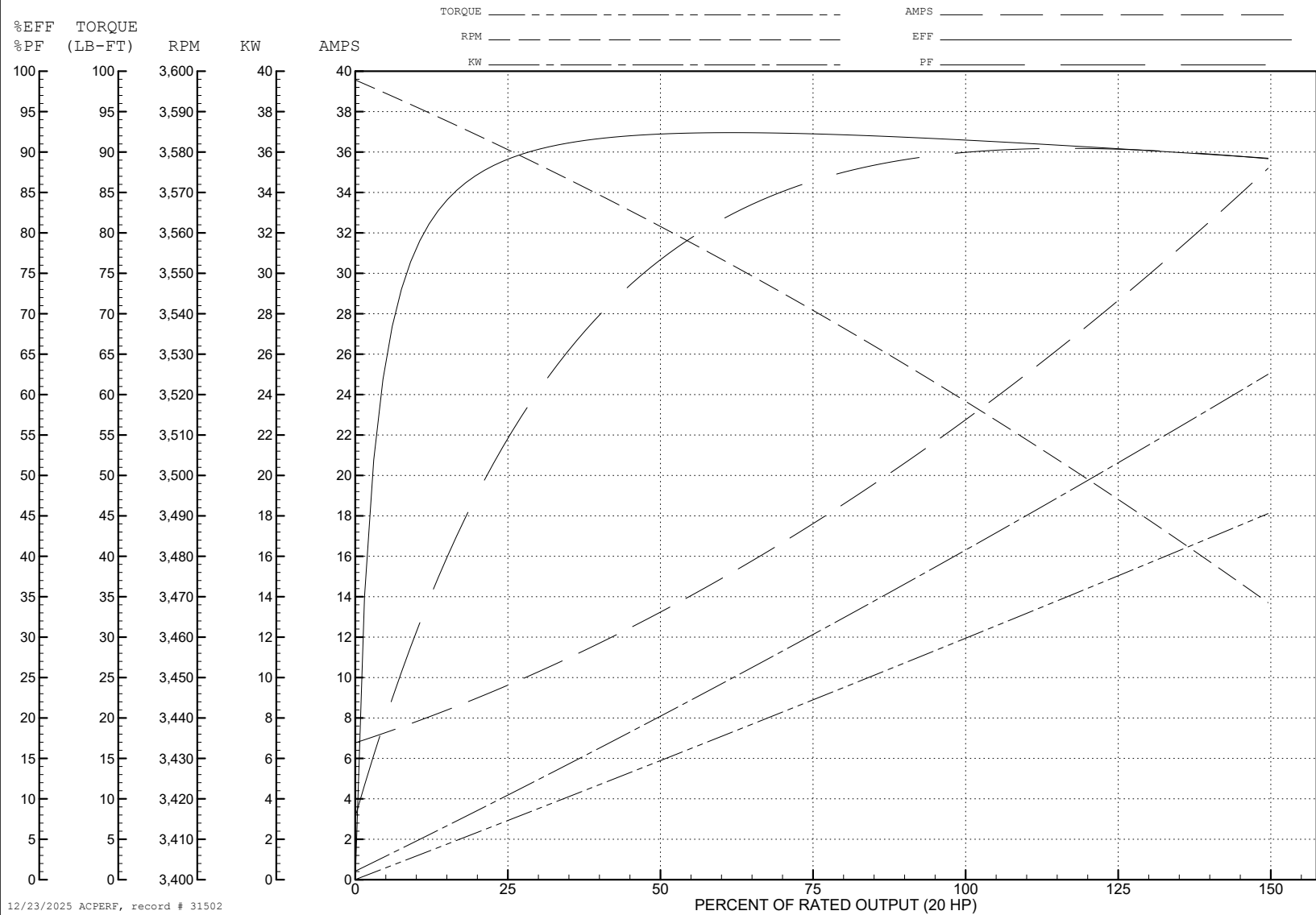
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WINDING # 09WGZ601

Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 3519.5 RPM 460 V 0936M

TORQUES (LB-FT): PO=111 PU=39.1 LR=49.6 LRA=161



AC Induction Motor Performance Data

Record # 31503

Typical performance - not guaranteed values

Winding: 09WGZ601-R003			Type: 0936M		Enclosure: TEFC	
Nameplate Data					380 V, 50 Hz: High Voltage Connection	
Rated Output (HP)			20//15		Full Load Torque 26.7 LB-FT	
Volts			230/460//190/380		Start Configuration direct on line	
Full Load Amps			46/23//42/21		Breakdown Torque 106 LB-FT	
R.P.M.			3520//2930		Pull-up Torque 41.4 LB-FT	
Hz		60//50	Phase 3		Locked-rotor Torque 52.5 LB-FT	
NEMA Design Code		B	KVA Code H		Starting Current 157 A	
Service Factor (S.F.)			1.15		No-load Current 6.99 A	
NEMA Nom. Eff.		91	Power Factor 89		Line-line Res. @ 25°C 0.447 Ω	
Rating - Duty			40C AMB-CONT		Temp. Rise @ Rated Load 67°C	
S.F. Amps					Temp. Rise @ S.F. Load 84°C	
					Locked-rotor Power Factor 33	
					Rotor inertia 0.92 LB-FT2	

Load Characteristics 380 V, 50 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	76	85	88	90	90	89
Efficiency	88.8	92	92.1	91.3	90.2	88.7	90.6
Speed	2982	2966	2947	2928	2907	2882	2915
Line amperes	8.55	12	16.3	21	26.1	31.8	24.1

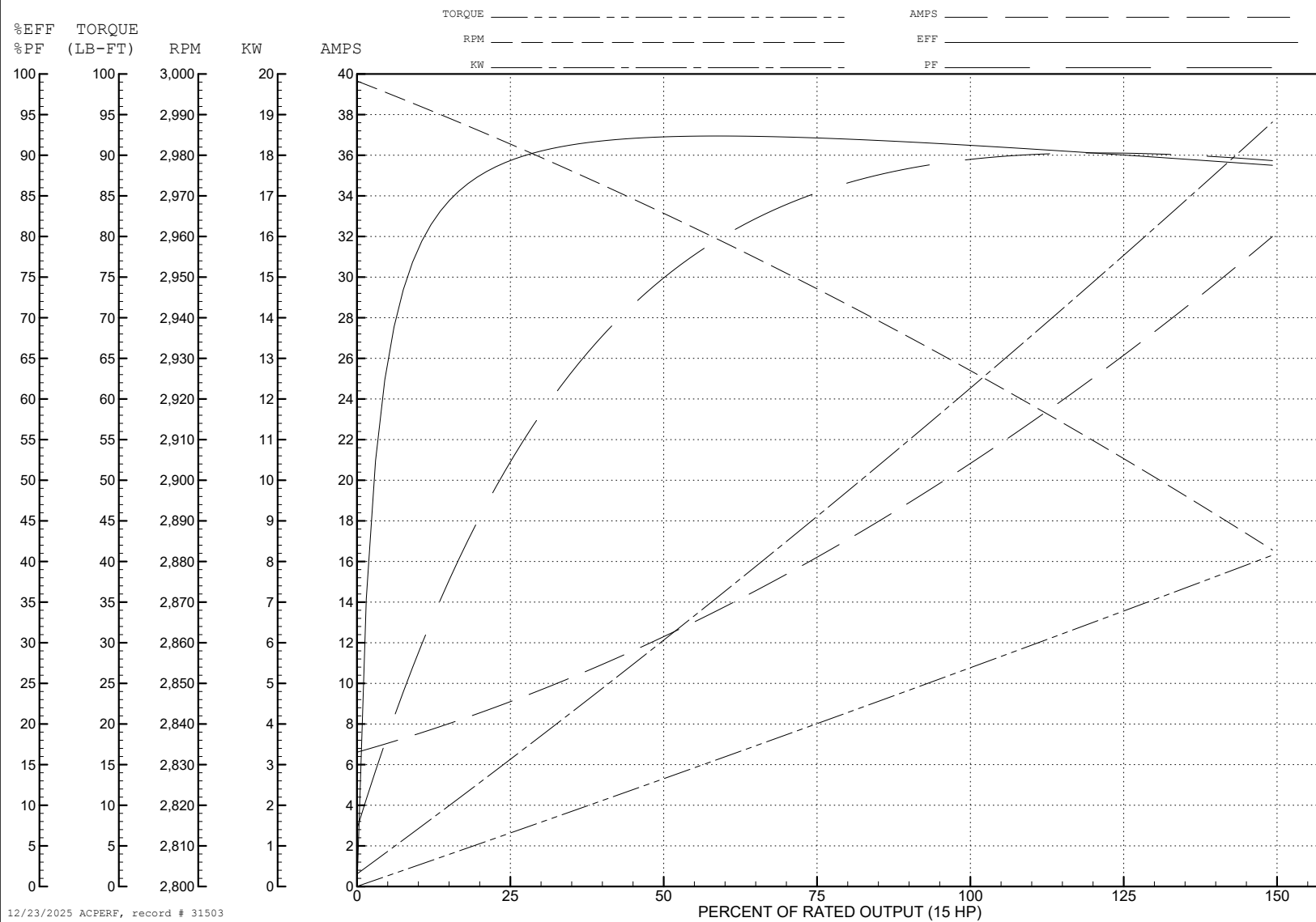
ABB Motors and Mechanical Inc.

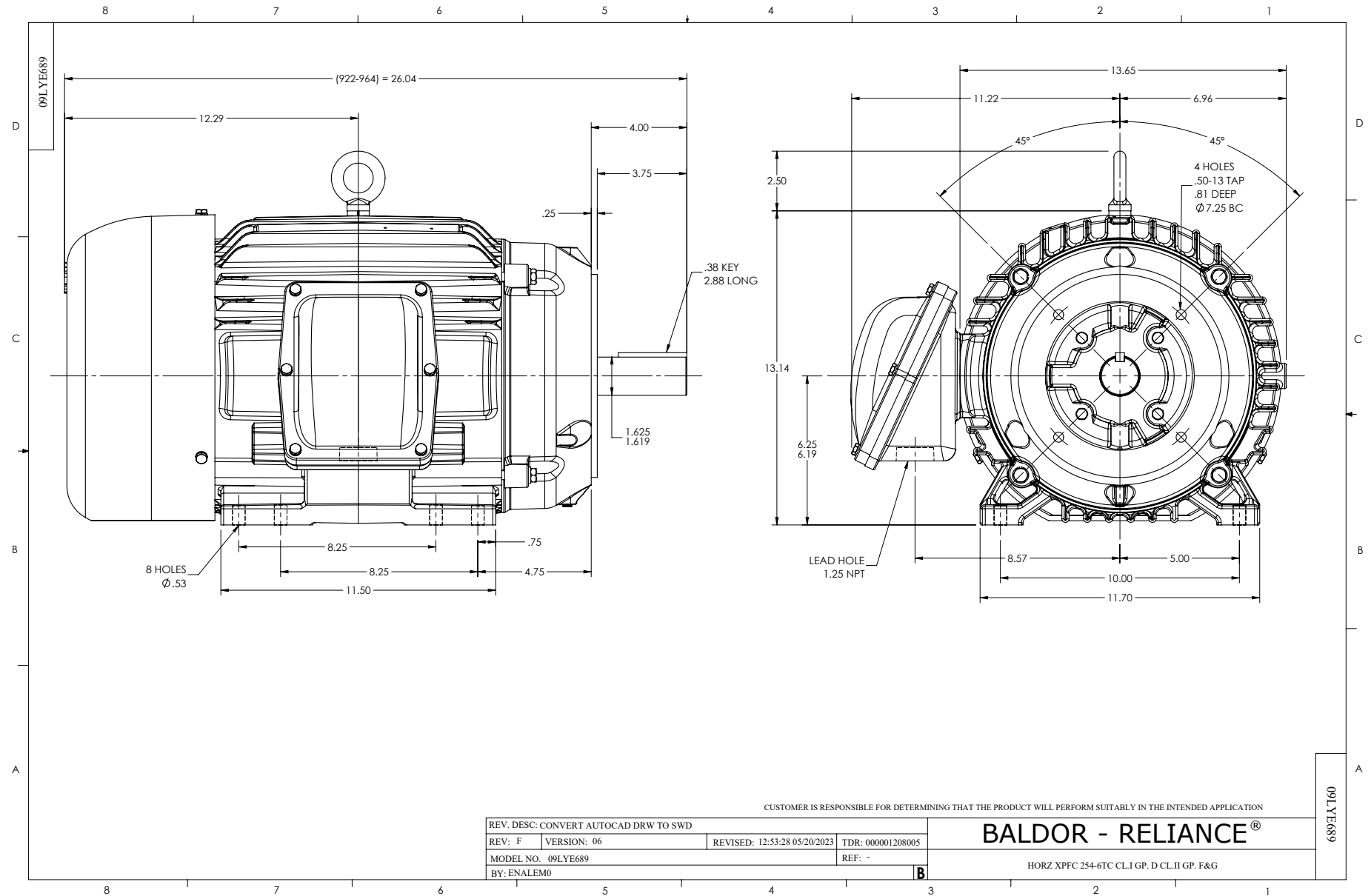
WINDING # 09WGZ601

Typical performance - not guaranteed values.

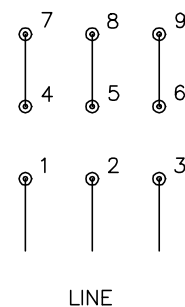
15 HP 3 PH 50 HZ 2928 RPM 380 V 0936M

TORQUES (LB-FT): PO=106 PU=41.4 LR=52.5 LRA=157





CD0180

LOW VOLTAGE
(2D)HIGH VOLTAGE
(1D)

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.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

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