ABB BALDOR RELIANCE

Customer information packet

VXM18342T

3//2HP, 1760//1460RPM, 3PH, 60//50HZ, 182TC
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	182TC
Frame Material	Steel
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	2.000 HP @ 50 HZ
	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	9.000 A @ 208.0 V
	8.400 A @ 230.0 V
	7.200 A @ 190.0 V
	4.200 A @ 460.0 V
	3.600 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGS266
Layout	36LYQ330
Eff. date	06-01-2023
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	03-02-2021

Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.6 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.86 IN
Power Factor	75
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1760 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.	36-0000-0476			**INV.TYPE**	PWM						
CAT.NO.	VXM18342T			**C HP FR**	60	**C HP TO**	90				
HP	3//2			**CT HZ FROM**	6			**CT HZ TO**	60		
VOLTS	230/460//190/380			**VT HZ FROM**	6			**VT HZ TO**	60		
AMPS	8.4/4.2//7.2/3.6			**MAG CUR**	4.6/2.3						
RPM	1760//1460			**MX RPM**	2700						
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	89.5				
SER.F.	1.15	**DES**	B	**SL HZ**	1.4	**WK2**	0.3				
FRAME	182TC	**RATING**	40C AMB-CONT								
	NEMA MG-1 PART 5, IP54										
	1.15 SF ON SINE WAVE										

AC Induction Motor Performance Data
Record # 76180
Typical performance - not guaranteed values

Winding: 36WGS266-R015	**Type:** 3632M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	8.8 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.4/4.2	**Breakdown Torque**	37.6 LB-FT
R.P.M.			1760	**Pull-up Torque**	15.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	21.7 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	32.7 A
Service Factor (S.F.)			1	**No-load Current**	2.3 A
NEMA Nom. Eff.	89.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	3.81 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	44°C
				Locked-rotor Power Factor	42.2
				Rotor inertia	0.298 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	35	55	68	75	80	82
Efficiency	81	87.7	89.6	89.8	89.6	88.1
Speed	1791	1783	1773	1764	1753	1741
Line amperes	2.47	2.85	3.43	4.09	4.89	5.78

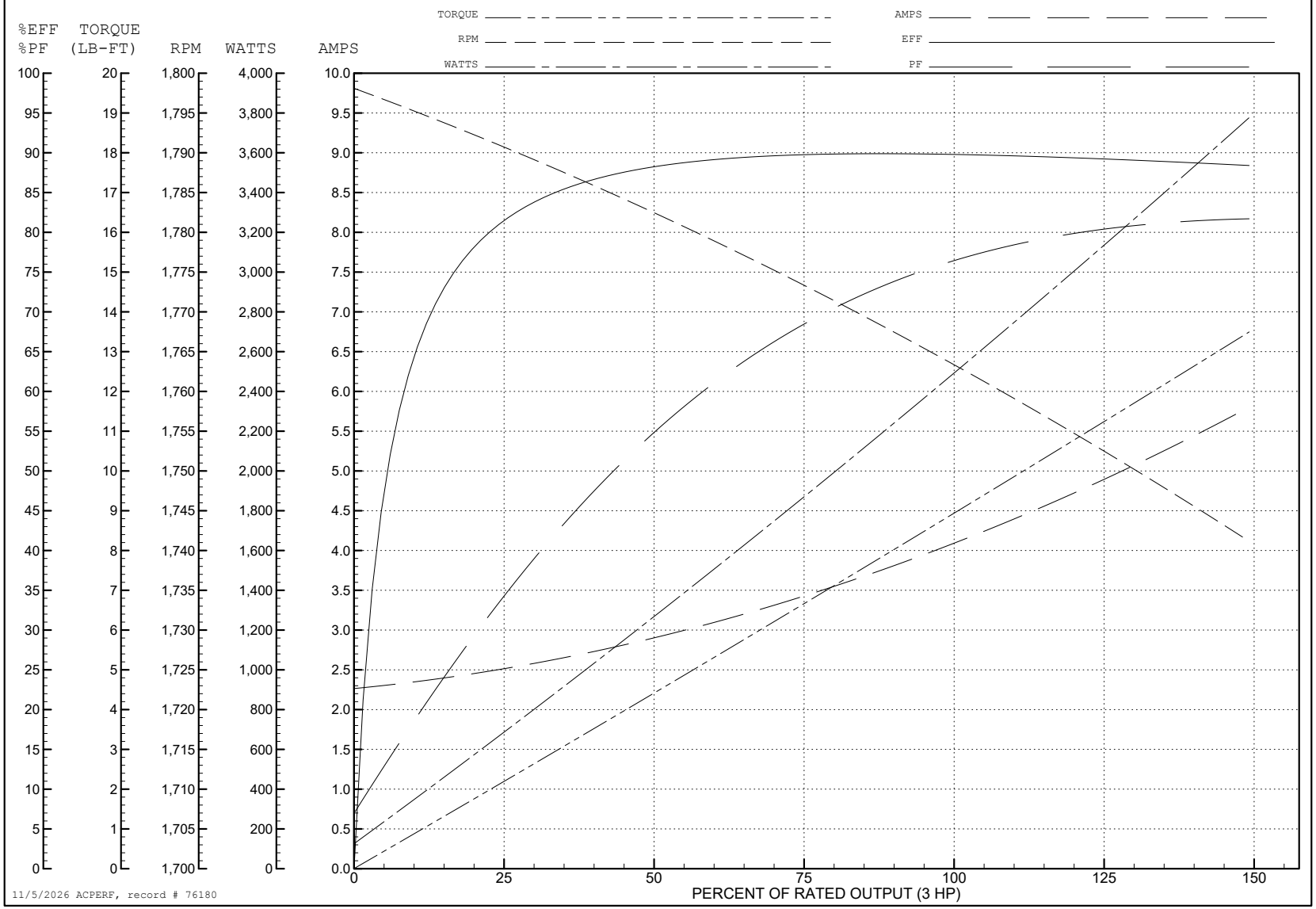
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WINDING # 36WGS266

3 HP 3 PH 60 HZ 1760 RPM 460 V 3632M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=32.7



11/5/2026 ACPERF, record # 76180

AC Induction Motor Performance Data
Record # 86692
Typical performance - not guaranteed values

Winding: 36WGS266-R004	**Type:** 3632M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			3//2
Volts			230/460//190/380
Full Load Amps			8.4/4.2//7.2/3.6
R.P.M.			1760//1460
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	K
Service Factor (S.F.)			1
NEMA Nom. Eff.	89.5	**Power Factor**	75
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	8.8 LB-FT
Start Configuration	direct on line
Breakdown Torque	37.6 LB-FT
Pull-up Torque	15.2 LB-FT
Locked-rotor Torque	21.7 LB-FT
Starting Current	32.7 A
No-load Current	2.3 A
Line-line Res. @ 25ºC	3.81 Ω
Temp. Rise @ Rated Load	44°C
Locked-rotor Power Factor	42.2
Rotor inertia	0.298 lb-ft²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	35	55	68	75	80	82
Efficiency	81	87.7	89.6	89.8	89.6	88.1
Speed	1791	1783	1773	1764	1753	1741
Line amperes	2.47	2.85	3.43	4.09	4.89	5.78

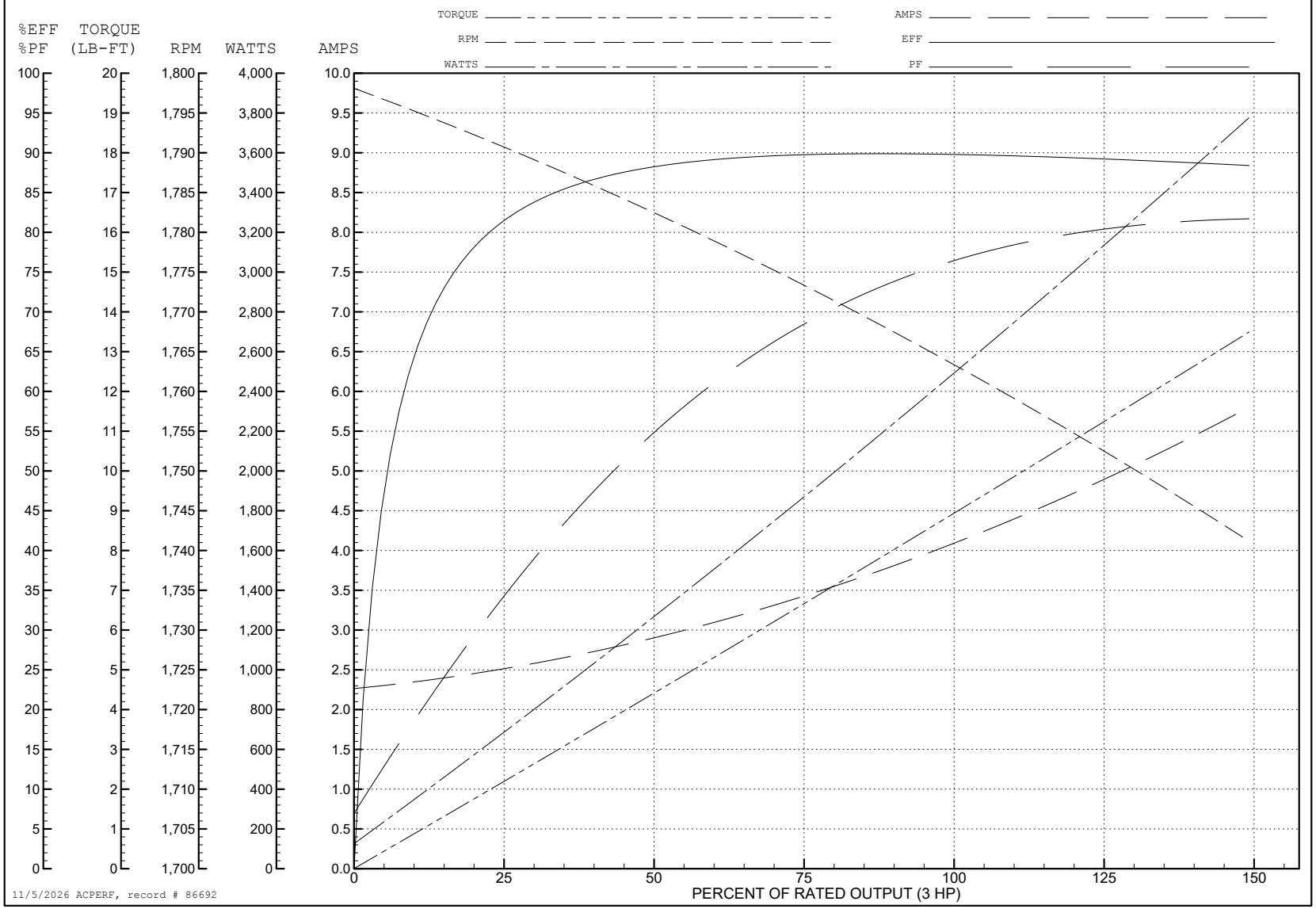
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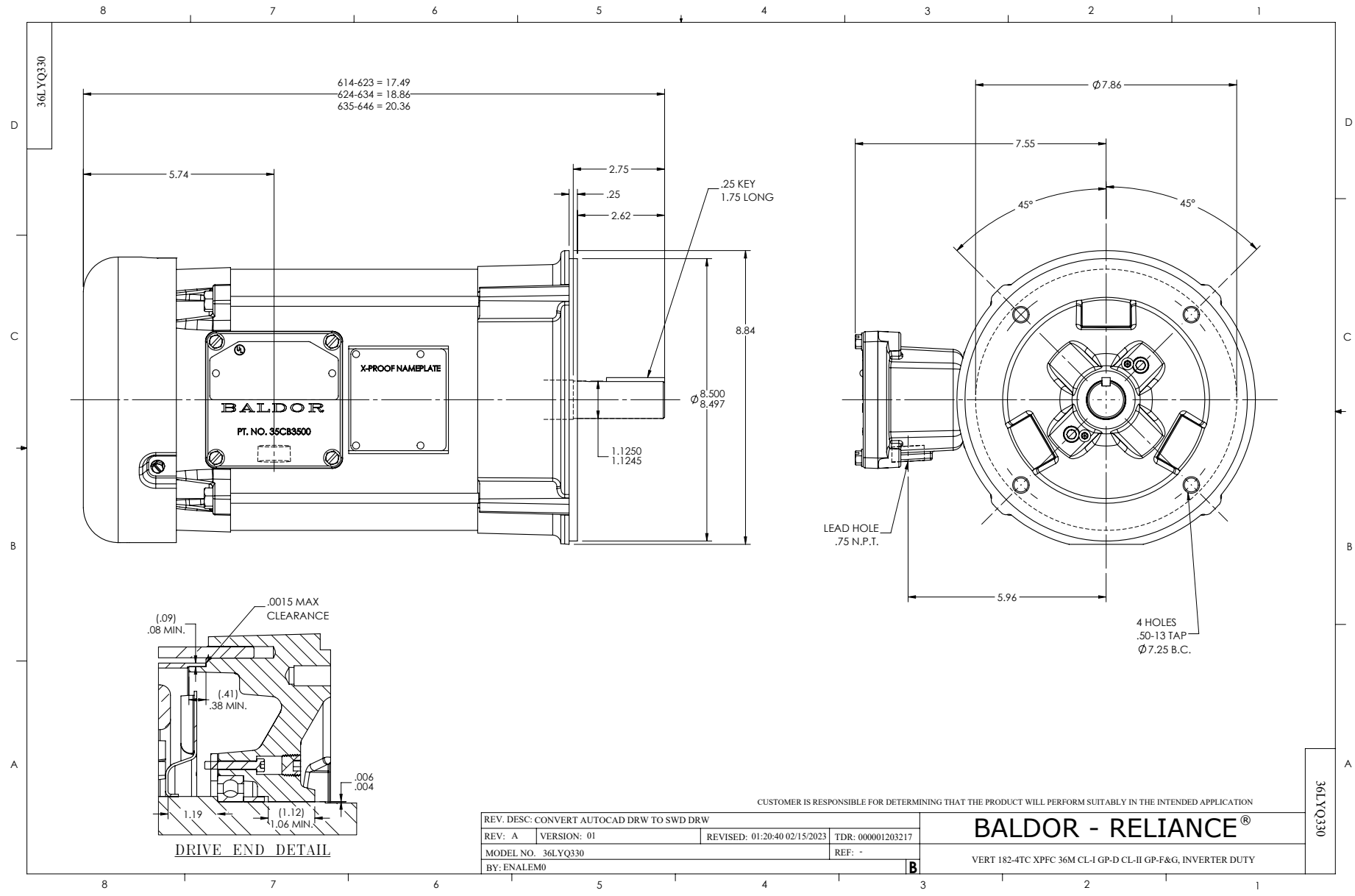
WINDING # 36WGS266

3 HP 3 PH 60 HZ 1764 RPM 460 V 3632M

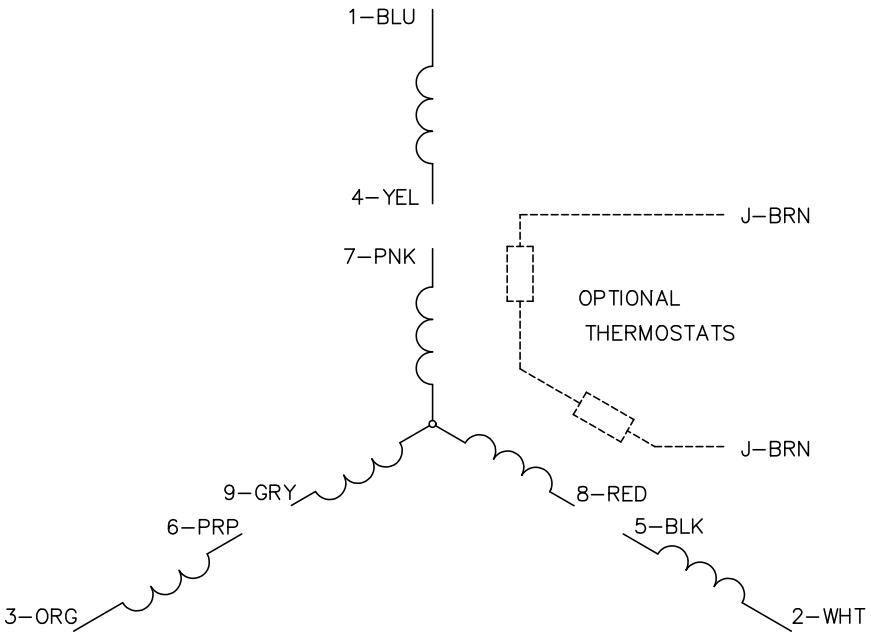
Typical performance - not guaranteed values.

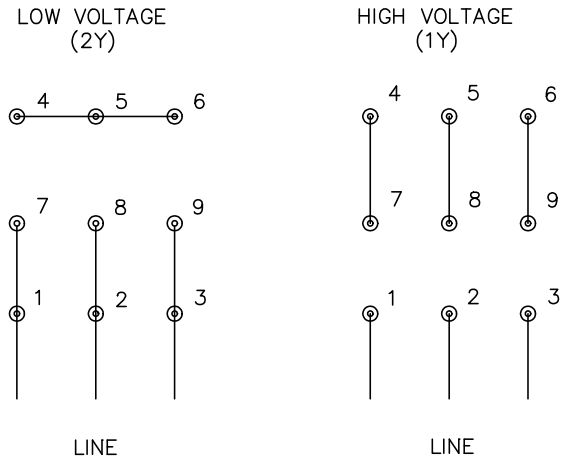
TORQUES(LB-FT): PO=37.6 PU=15.2 LR=21.7 LRA=32.7




36LYQ330
614-623 = 17.49
624-634 = 18.86
635-646 = 20.36
5.74
2.75
.25
2.62
.25 KEY
1.75 LONG
8.84
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø8.500
8.497
1.1250
1.1245
Ø7.86
7.55
45°
45°
LEAD HOLE
.75 N.P.T.
5.96
4 HOLES
.50-13 TAP
Ø7.25 B.C.
.0015 MAX
CLEARANCE
(.09)
.08 MIN.
(.41)
.38 MIN.
.006
.004
1.19
(1.12)
1.06 MIN.
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: A
VERSION: 01
REVISED: 01:20:40 02/15/2023
TDR: 000001203217
MODEL NO. 36LYQ330
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
VERT 182-4TC XPFC 36M CL-I GP-D CL-II GP-F&G, INVERTER DUTY
36LYQ330

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS