ABB BALDOR RELIANCE

Customer information packet

CBXM18542T

5//3HP, 1750//1465RPM, 3PH, 60//50HZ, 184TC
Class - CLI GP D; CLII GP F,G
Division - Division I

9/2/2026 12:48:54 PM

Specifications

Enclosure	XPFC
Frame	184TC
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	3.000 HP @ 50 HZ
	5.000 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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	6.500 A @ 460.0 V
	5.200 A @ 380.0 V
	13.800 A @ 208.0 V
	13.000 A @ 230.0 V
	10.400 A @ 190.0 V
Design Code	B
Drip Cover	No Drip Cover

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGW352
Layout	06LYJ271
Eff. date	06-23-2023
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	05-07-2021

Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	5.2 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0640M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	30.83 IN
Power Factor	80
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	1750 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.	06-0000-0916			**INV.TYPE**	PWM				
CAT.NO.	CBXM18542T			**C HP FR**	60	**C HP TO**	90		
HP	5//3			**CT HZ FROM**	6			**CT HZ TO**	60
VOLTS	230/460//190/380			**VT HZ FROM**	6			**VT HZ TO**	60
AMPS	13/6.5//10.4/5.2			**MAG CUR**	6.8/3.4				
RPM	1750//1465			**MX RPM**	2700				
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	90.2		
SER.F.	1.15	**DES**	B	**SL HZ**	1.7	**WK2**	0.37		
FRAME	184TC	**RATING**	40C AMB-CONT						
	1.15 SF ON SINE WAVE								

AC Induction Motor Performance Data
Record # 88318
Typical performance - not guaranteed values

Winding: 06WGW352-R037	**Type:** 0640M	**Enclosure:** XPFC

Nameplate Data			
Rated Output (HP)			5//3
Volts			230/460//190/380
Full Load Amps			13/6.5//10.4/5.2
R.P.M.			1750//1465
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	J
Service Factor (S.F.)			1
NEMA Nom. Eff.	90.2	**Power Factor**	80
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	15 LB-FT
Start Configuration	direct on line
Breakdown Torque	59.5 LB-FT
Pull-up Torque	26.5 LB-FT
Locked-rotor Torque	43.5 LB-FT
Starting Current	44.7 A
No-load Current	3.26 A
Line-line Res. @ 25ºC	2.44 Ω
Temp. Rise @ Rated Load	40°C
Locked-rotor Power Factor	52.1
Rotor inertia	0.372 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	40	62	75	82	86	88
Efficiency	83.9	89	90	89.9	89.2	88.2
Speed	1789	1778	1767	1756	1743	1730
Line amperes	3.54	4.22	5.19	6.34	7.62	9.03

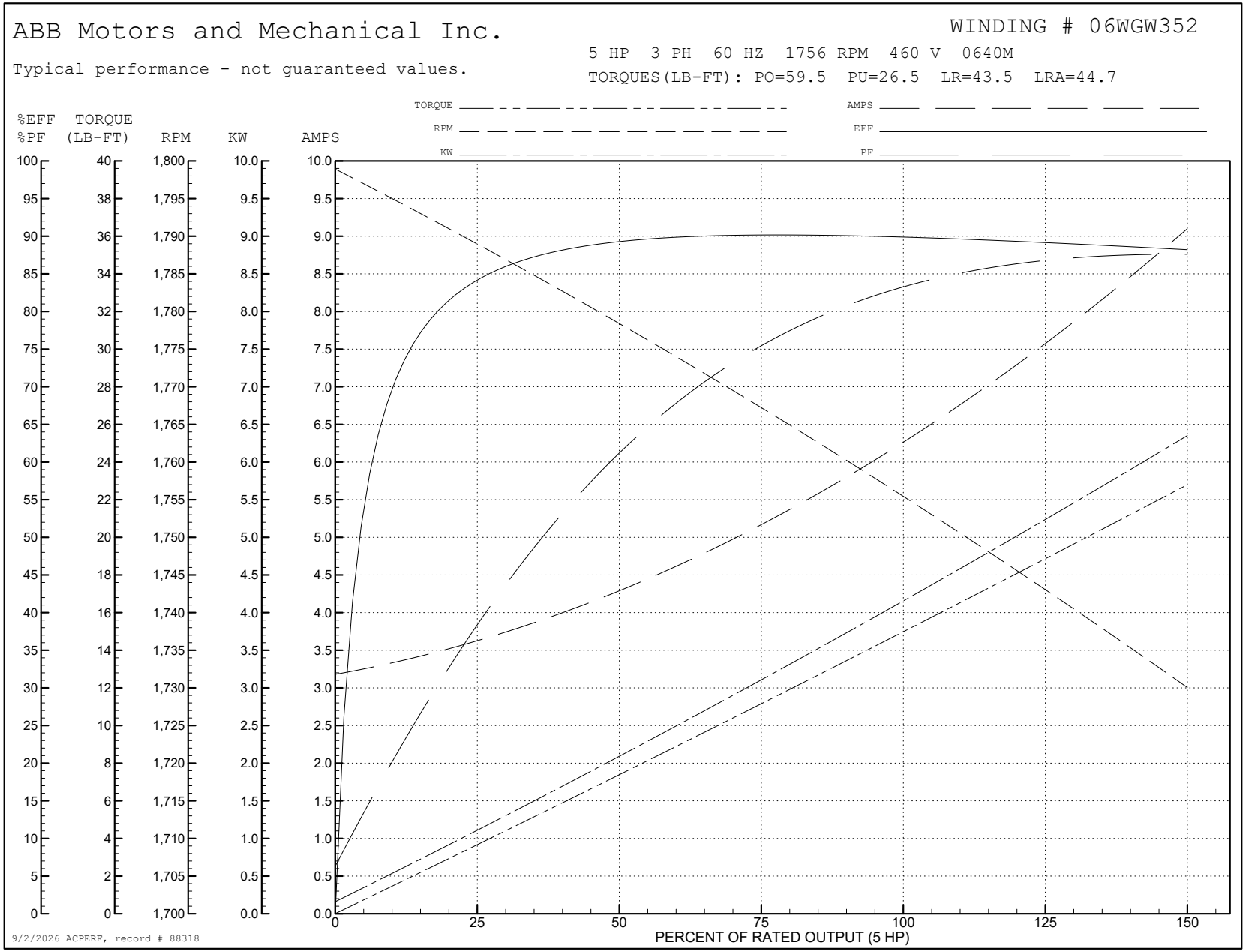
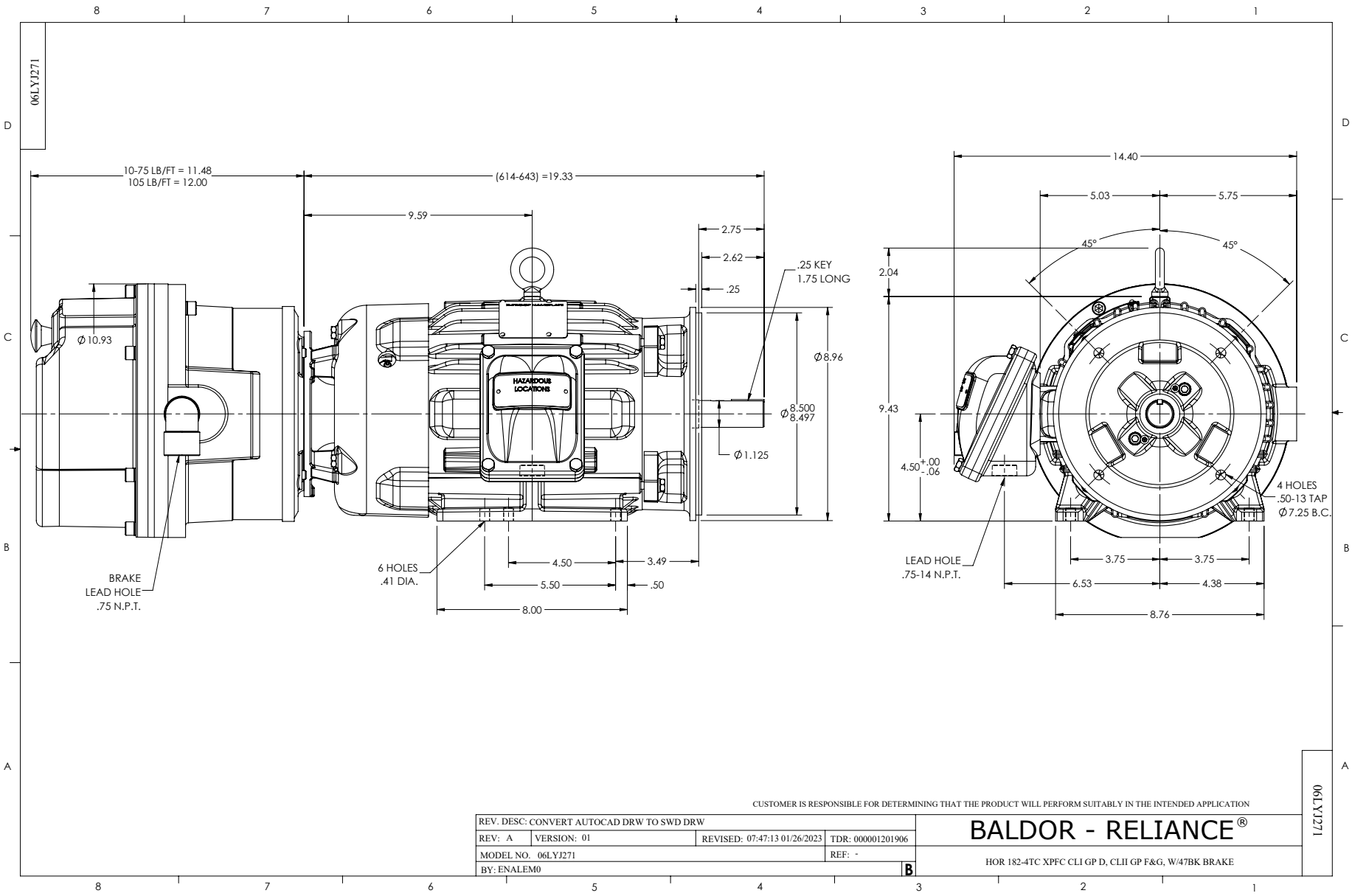
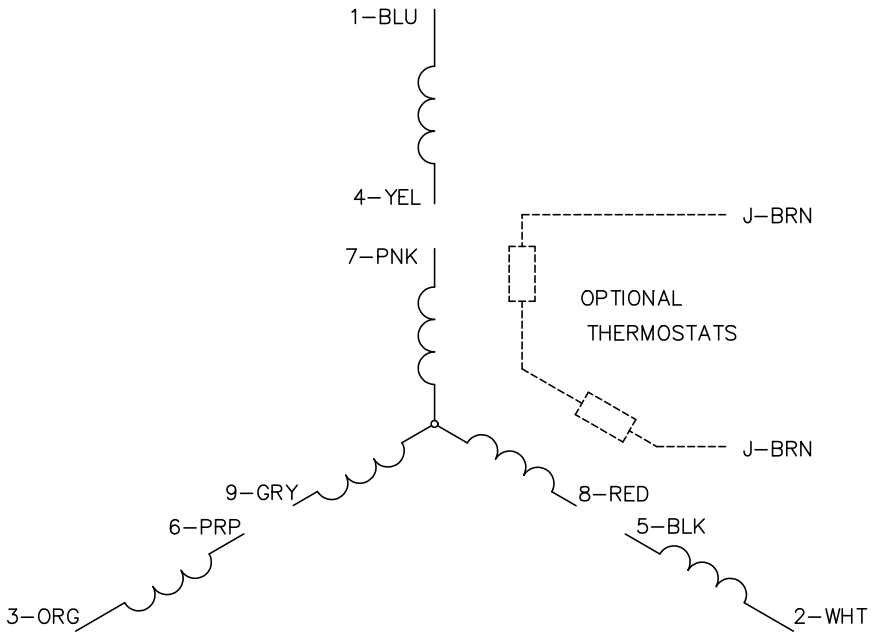
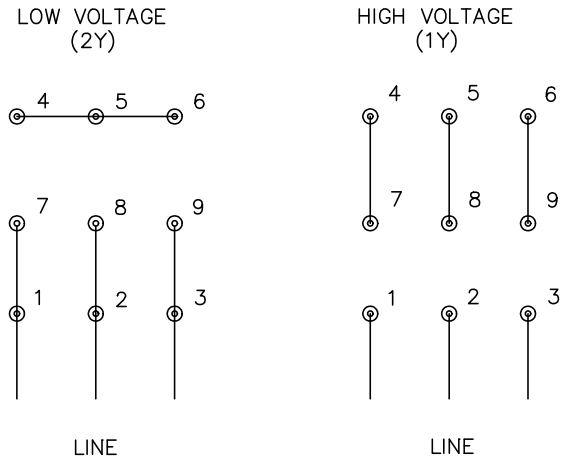


ABB Motors and Mechanical Inc.
WINDING # 06WGW352
5 HP 3 PH 60 HZ 1756 RPM 460 V 0640M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=59.5 PU=26.5 LR=43.5 LRA=44.7
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
9/2/2026 ACPERF, record # 88318


06LYJ271
10-75 LB/FT = 11.48
105 LB/FT = 12.00
(614-643) =19.33
9.59
2.75
2.62
.25
.25 KEY
1.75 LONG
Ø10.93
Ø8.96
Ø8.500
Ø8.497
Ø1.125
HAZARDOUS LOCATIONS
BRAKE
LEAD HOLE
.75 N.P.T.
6 HOLES
.41 DIA.
4.50
3.49
5.50
.50
8.00
14.40
5.03
5.75
45°
45°
2.04
9.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75-14 N.P.T.
3.75
3.75
6.53
4.38
8.76
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: 07:47:13 01/26/2023
TDR: 000001201906
MODEL NO. 06LYJ271
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 182-4TC XPFC CLI GP D, CLII GP F&G, W/47BK BRAKE
06LYJ271

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