ABB BALDOR RELIANCE

Customer information packet

CEBM7142T

3HP, 1755RPM, 3PH, 60HZ, 182TC, 0632M, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/18/2026 11:53:44 PM

Specifications

Enclosure	XPFC
Frame	182TC
Frame Material	Iron
Frequency	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 @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	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
Current @ Voltage	8.600 A @ 208.0 V
	8.200 A @ 230.0 V
	4.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Brake Mounting
Front Shaft Indicator	None

Part Detail

Revision	C
Type	AC
Mech. spec.	06J270
Base	
Status	PRD/A
Elec. spec.	06WGX181
Layout	06LYJ270
Eff. date	02-15-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	02-20-2017

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	4.1 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X0632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	27.20 IN
Power Factor	77
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1755 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

NP1426XPSLEV							
NO.		**CC**	010A				
SER.							
SPEC.	06J270X181G1						
CAT.NO.	CEBM7142T						
HP	3	**T. CODE**	T3C				
VOLTS	230/460						
AMPS	8.2/4.1						
RPM	1755						
HZ	60	**PH**	3	**CL**	B		
SER.F.	1.15	**DES**	B	**CODE**	J		
RATING	40C AMB-CONT						
FRAME	182TC	**NEMA-NOM-EFF**	89.5				
		PF	77				
BLANK							

AC Induction Motor Performance Data
Record # 57602
Typical performance - not guaranteed values

Winding: 06WGX181-R067	**Type:** 0632M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	9.06 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			8.2/4.1	**Breakdown Torque**	33.1 LB-FT
R.P.M.			1755	**Pull-up Torque**	18.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	20.4 LB-FT
NEMA Design Code	B	**KVA Code**	J	**Starting Current**	29.8 A
Service Factor (S.F.)			1.15	**No-load Current**	2.14 A
NEMA Nom. Eff.	89.5	**Power Factor**	77	**Line-line Res. @ 25ºC**	3.93 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
S.F. Amps				**Temp. Rise @ S.F. Load**	42°C
				Locked-rotor Power Factor	41.4
				Rotor inertia	0.298 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	38	58	70	77	81	83	79
Efficiency	83.2	88.3	89.8	89.7	89.1	87.7	89.3
Speed	1790	1779	1769	1757	1744	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

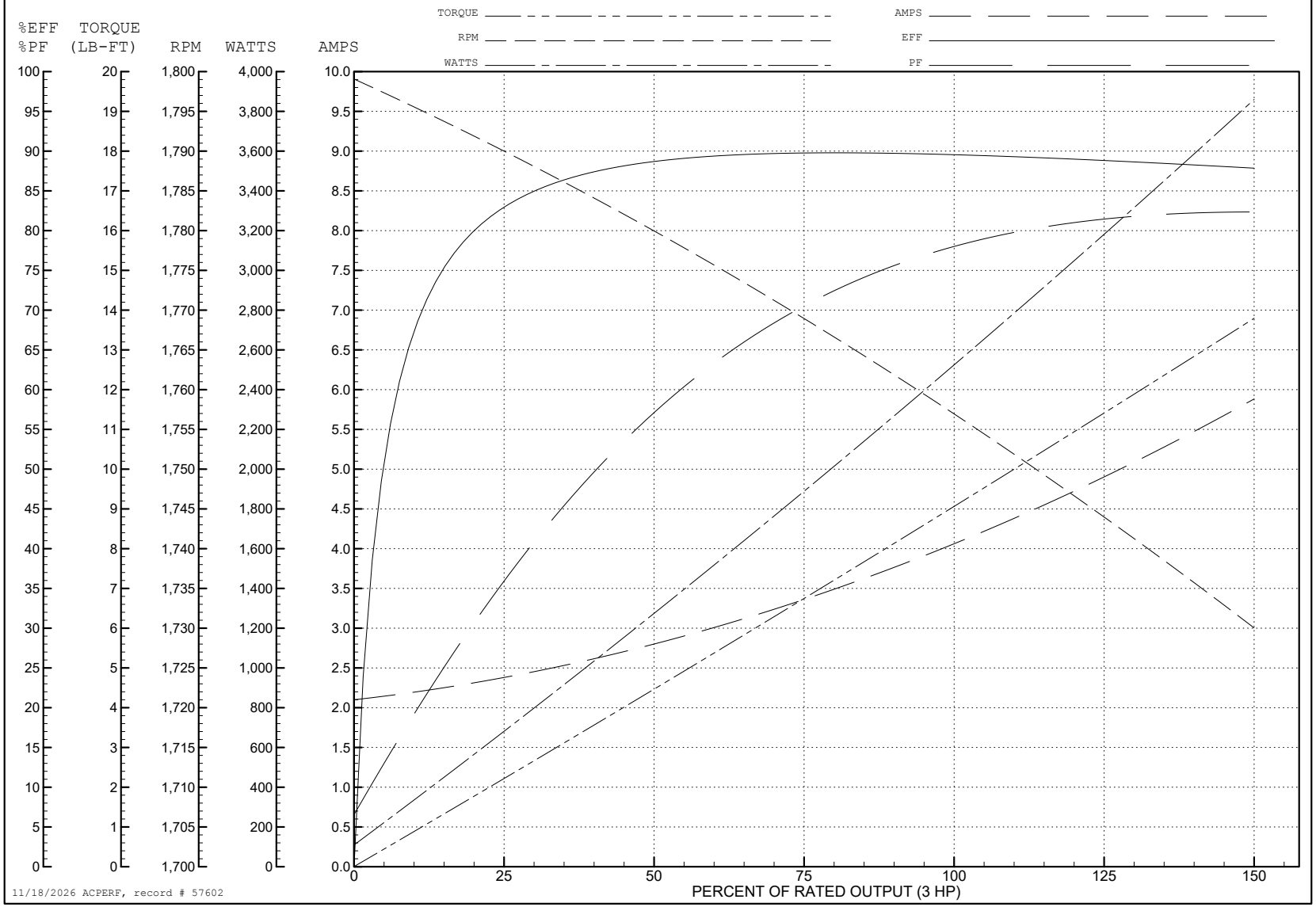
ABB Motors and Mechanical Inc.

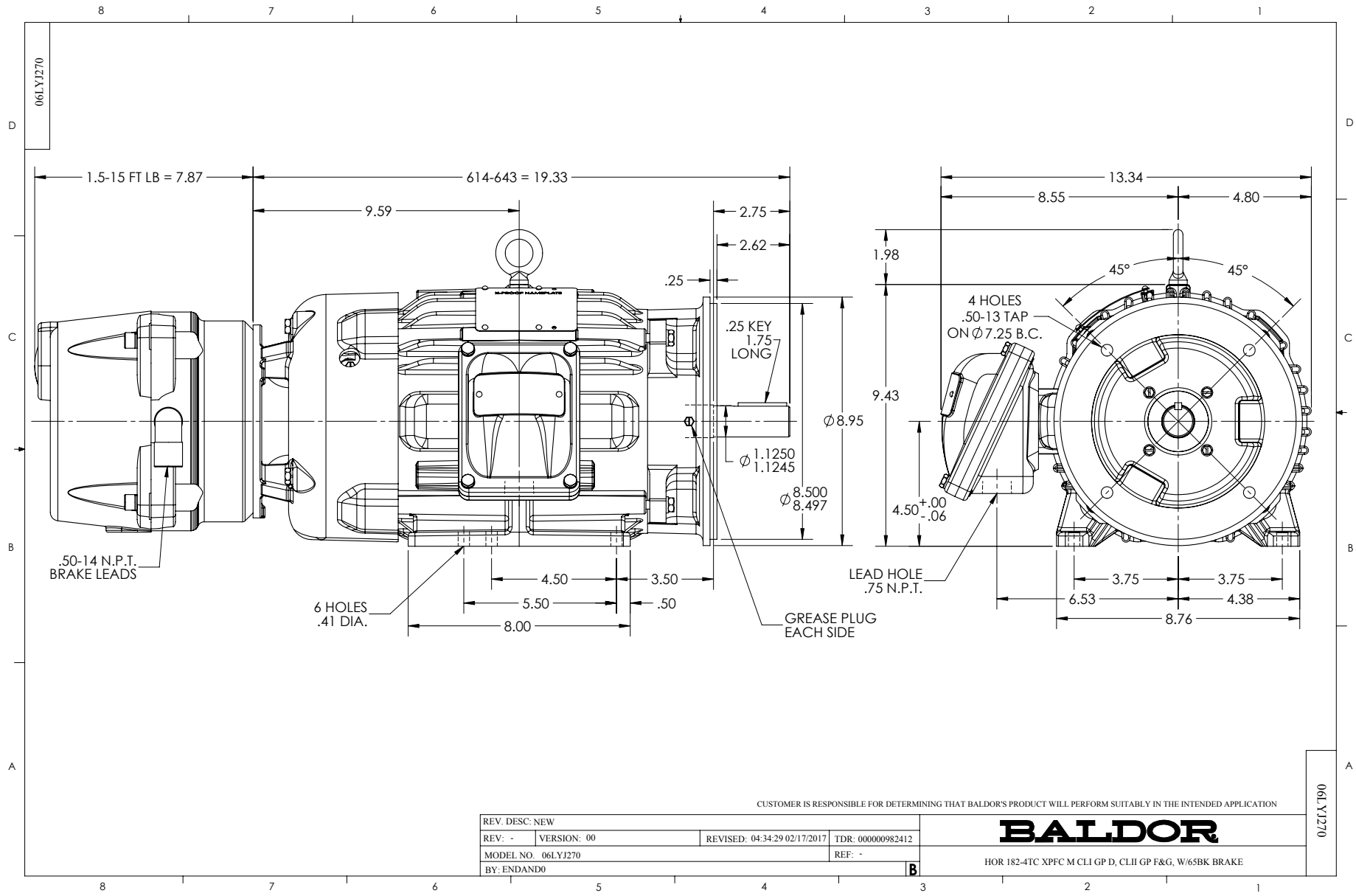
WINDING # 06WGX181

3 HP 3 PH 60 HZ 1755 RPM 460 V 0632M

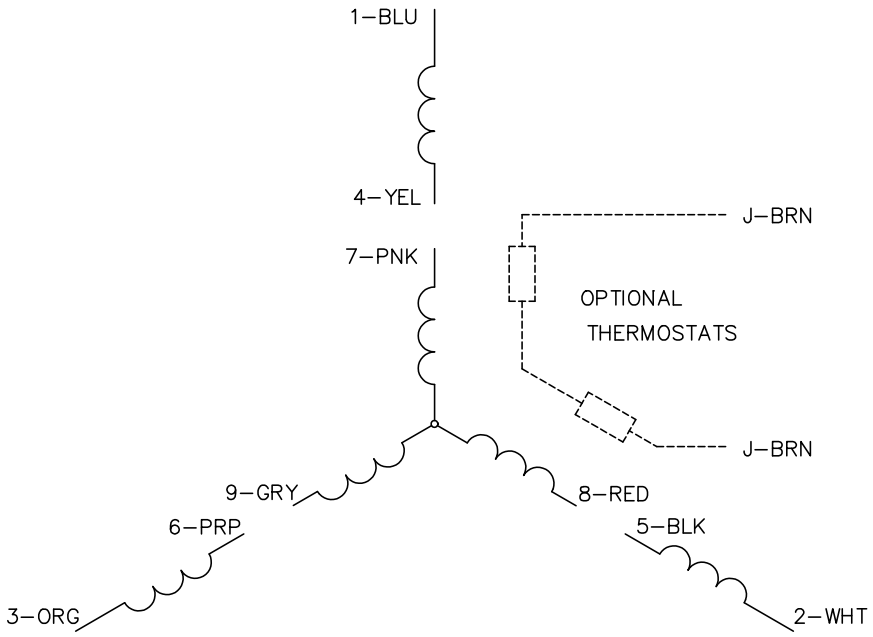
Typical performance - not guaranteed values.

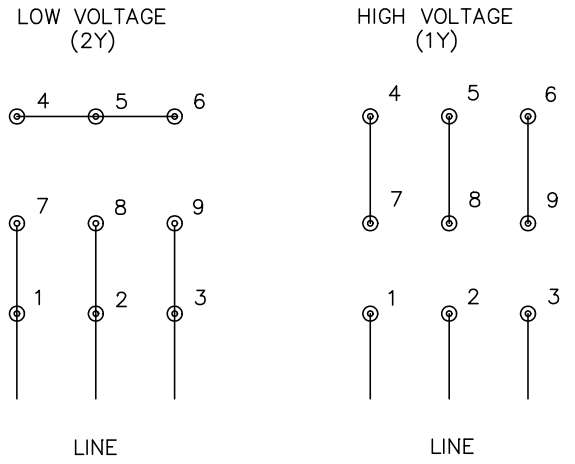
TORQUES(LB-FT): PO=33.1 PU=18.2 LR=20.4 LRA=29.8




06LYJ270
1.5-15 FT LB = 7.87
614-643 = 19.33
9.59
2.75
2.62
.25
.25 KEY
1.75
LONG
Ø8.95
Ø1.1250
1.1245
Ø8.500
8.497
.50-14 N.P.T.
BRAKE LEADS
6 HOLES
.41 DIA.
4.50
3.50
5.50
.50
8.00
GREASE PLUG
EACH SIDE
13.34
8.55
4.80
1.98
45°
45°
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
9.43
4.50 +.00 -.06
LEAD HOLE
.75 N.P.T.
3.75
3.75
6.53
4.38
8.76
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NEW
REV: - VERSION: 00 REVISED: 04:34:29 02/17/2017 TDR: 000000982412
MODEL NO. 06LYJ270 REF: -
BY: ENDAND0 B
BALDOR
HOR 182-4TC XPFC M CLI GP D, CLII GP F&G, W/65BK BRAKE
06LYJ270

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