ABB BALDOR RELIANCE

Customer information packet

EM7065T

10//7.5HP, 1180//980RPM, 3PH, 60//50HZ, 256T
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.
11/12/2026 6:23:16 PM

Specifications

Enclosure	XPFC
Frame	256T
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	10.000 HP @ 60 HZ
	7.500 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
Agency Approvals	CSA
	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
Current @ Voltage	30.400 A @ 208.0 V
	29.200 A @ 230.0 V
	27.400 A @ 190.0 V
	14.600 A @ 460.0 V
	13.700 A @ 380.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	AB
Type	AC
Mech. spec.	09E270
Base	
Status	PRD/A
Elec. spec.	09WGZ383
Layout	09LYE270
Eff. date	02-15-2024
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	06-15-2010

Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	13.7 a
Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X0956M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	25.50 IN
Power Factor	70
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	None
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible

Shaft Slinger Indicator	No Slinger
Speed	1180 rpm
	980 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.	09E270Z383G1						
CAT.NO.	EM7065T						
HP	10//7.5	**T. CODE**	T3C				
VOLTS	230/460//190/380						
AMPS	29.2/14.6//27.4/13.7						
RPM	1180//980						
HZ	60//50	**PH**	3	**CL**	B		
SER.F.	1.00	**DES**	A	**CODE**	J		
RATING	40C AMB-CONT						
FRAME	256T			**NEMA-NOM-EFF**	91		
		PF	70				
BLANK							

AC Induction Motor Performance Data
Record # 31469
Typical performance - not guaranteed values

Winding: 09WGZ383-R004	**Type:** 0956M	**Enclosure:** XPFC

Nameplate Data			
Rated Output (HP)			10//7.5
Volts			230/460//190/380
Full Load Amps			29.2/14.6//27.4/13.7
R.P.M.			1180//980
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	J
Service Factor (S.F.)			1
NEMA Nom. Eff.	91	**Power Factor**	70
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	44.4 LB-FT
Start Configuration	direct on line
Breakdown Torque	146 LB-FT
Pull-up Torque	53.6 LB-FT
Locked-rotor Torque	73.6 LB-FT
Starting Current	95.3 A
No-load Current	7.9 A
Line-line Res. @ 25ºC	0.66 Ω
Temp. Rise @ Rated Load	45°C
Locked-rotor Power Factor	24
Rotor inertia	4.5 LB-FT2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	32	52	63	70	72	73
Efficiency	83.7	89.8	91.4	91.6	91.1	90.3
Speed	1196	1191	1186	1182	1176	1169
Line amperes	8.74	10.1	12.2	14.7	17.7	21

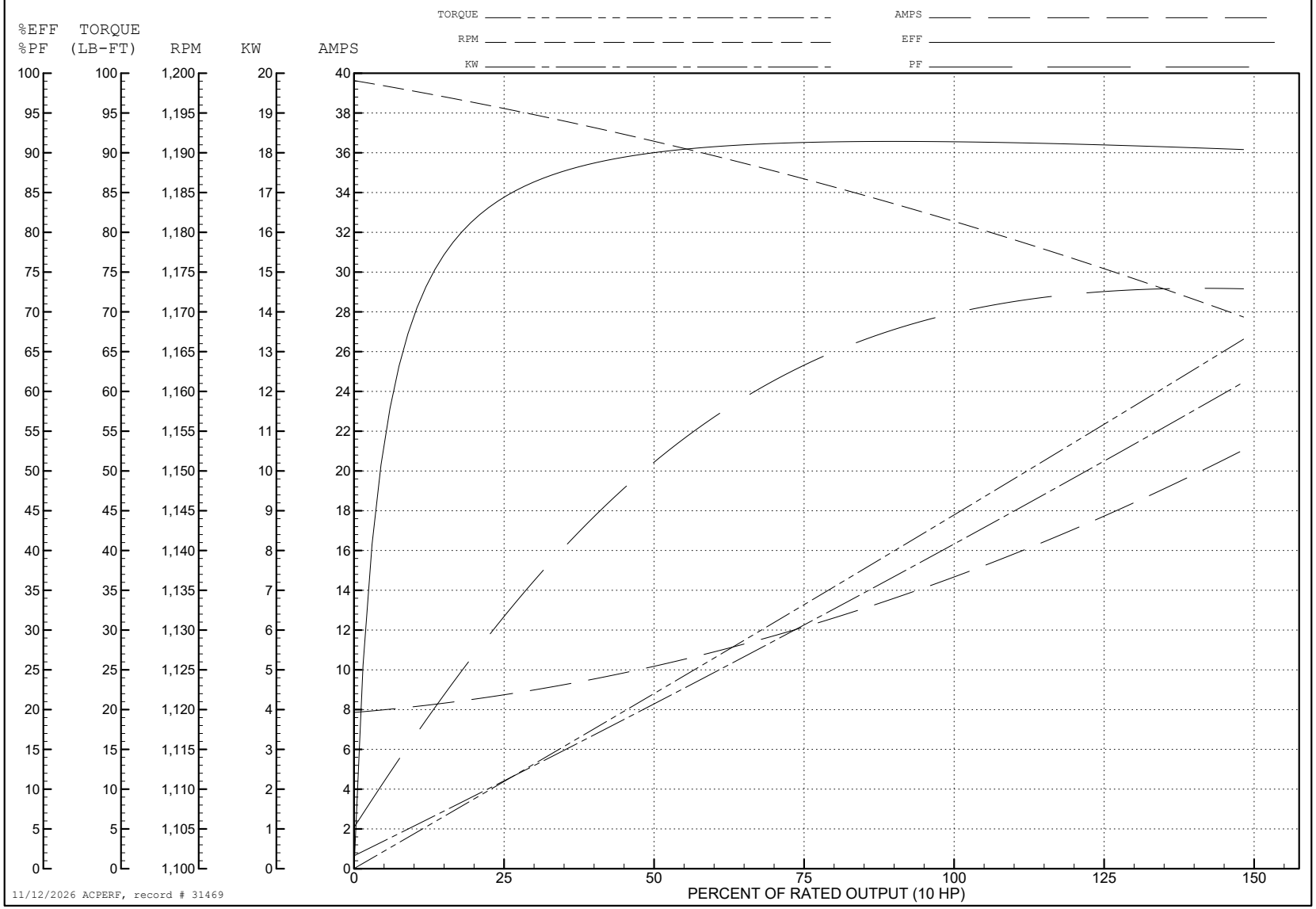
ABB Motors and Mechanical Inc.

WINDING # 09WGZ383

10 HP 3 PH 60 HZ 1182 RPM 460 V 0956M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=146 PU=53.6 LR=73.6 LRA=95.3



AC Induction Motor Performance Data
Record # 31470
Typical performance - not guaranteed values

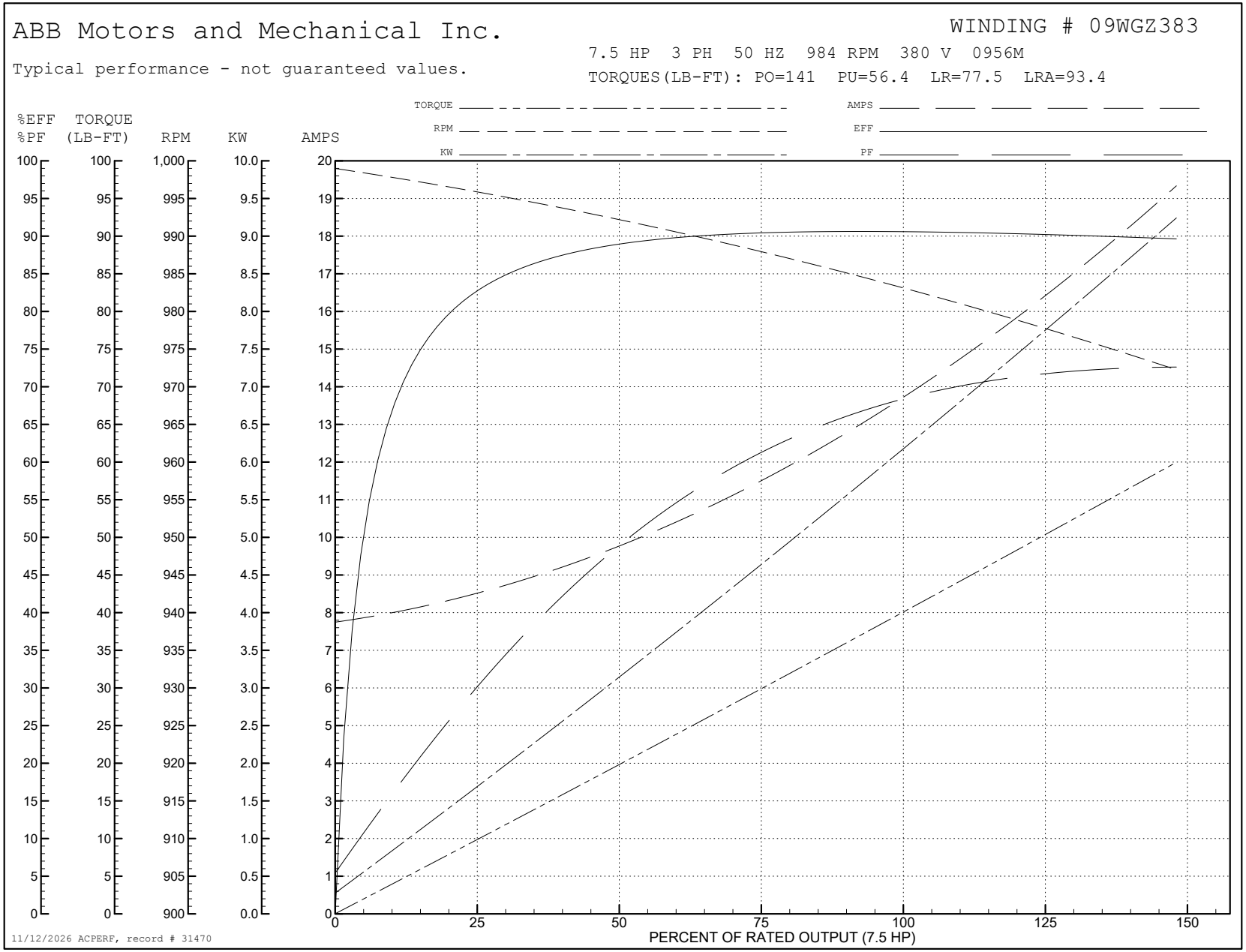
Winding: 09WGZ383-R004	**Type:** 0956M	**Enclosure:** XPFC

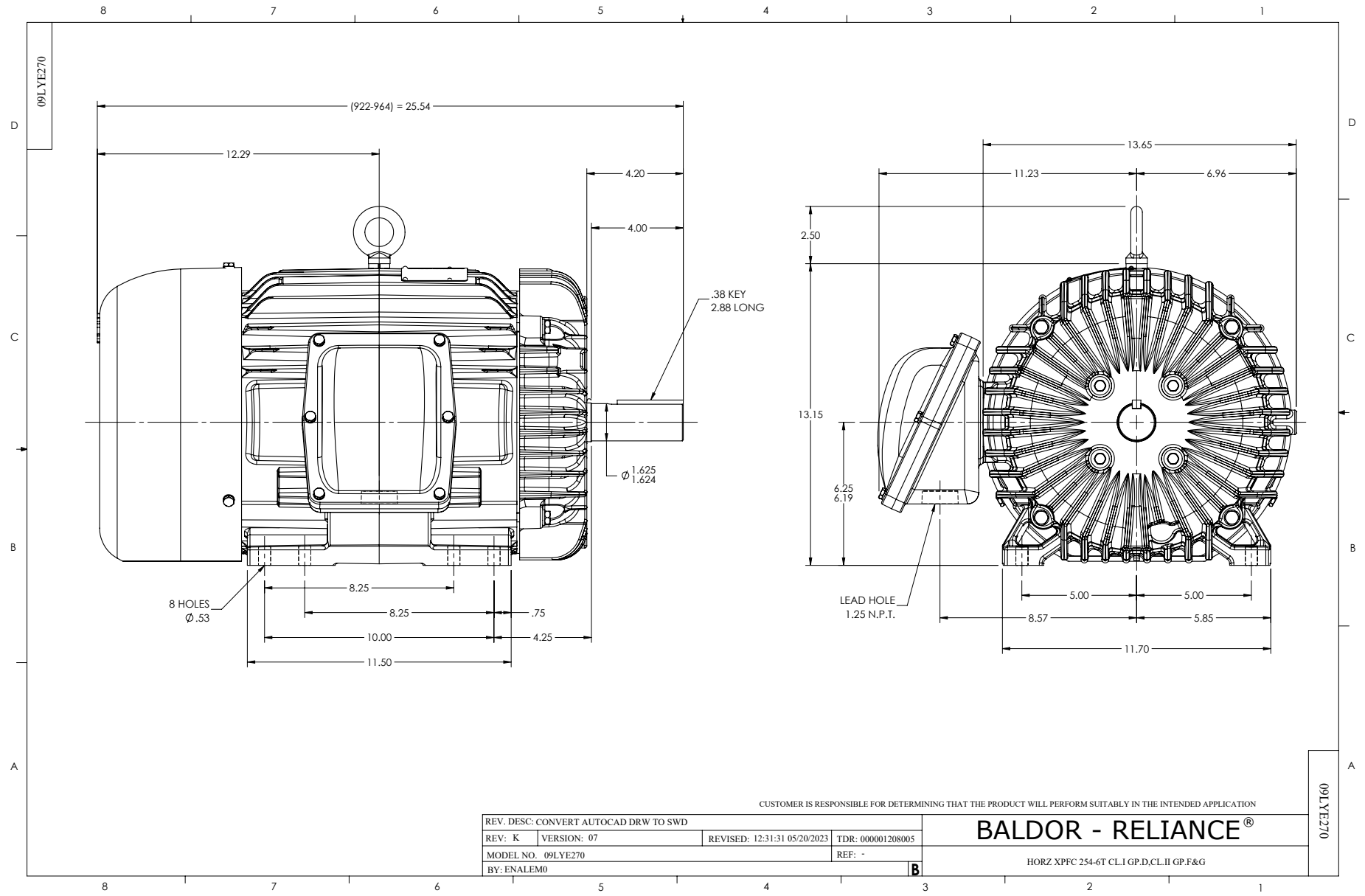
Nameplate Data			
Rated Output (HP)			10//7.5
Volts			230/460//190/380
Full Load Amps			29.2/14.6//27.4/13.7
R.P.M.			1180//980
Hz	60//50	**Phase**	3
NEMA Design Code	B	**KVA Code**	J
Service Factor (S.F.)			1
NEMA Nom. Eff.	91	**Power Factor**	70
Rating - Duty			40C AMB-CONT
S.F. Amps			

380 V, 50 Hz: High Voltage Connection	
Full Load Torque	40 LB-FT
Start Configuration	direct on line
Breakdown Torque	141 LB-FT
Pull-up Torque	56.4 LB-FT
Locked-rotor Torque	77.5 LB-FT
Starting Current	93.4 A
No-load Current	7.77 A
Line-line Res. @ 25ºC	0.66 Ω
Temp. Rise @ Rated Load	40°C
Temp. Rise @ S.F. Load	48°C
Locked-rotor Power Factor	27
Rotor inertia	4.5 LB-FT2

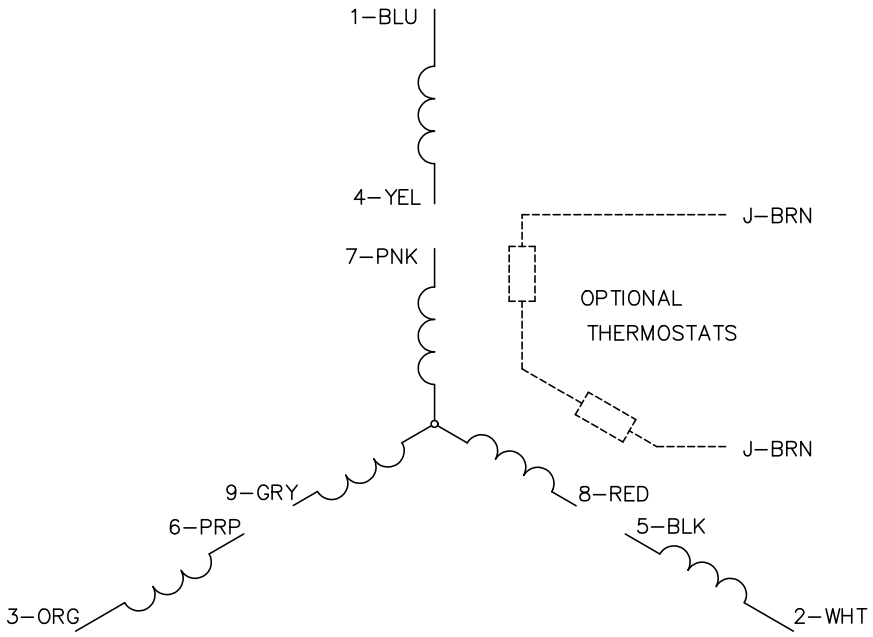
Load Characteristics 380 V, 50 Hz, 7.5 HP

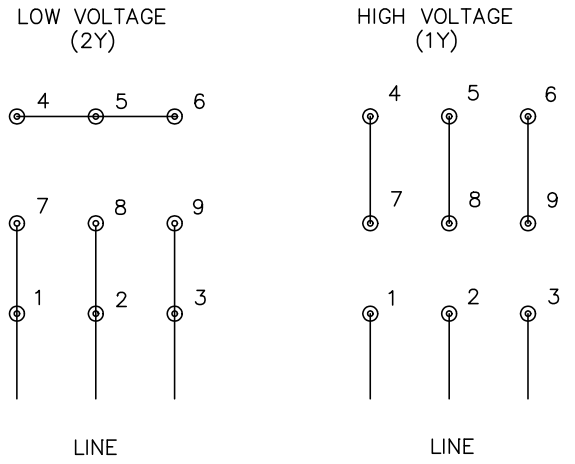
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	31	50	61	68	71	73
Efficiency	82.1	88.8	90.4	90.8	90.4	89.5
Speed	996	992	987	984	978	972
Line amperes	8.54	9.72	11.6	13.7	16.4	19.3


ABB Motors and Mechanical Inc.
WINDING # 09WGZ383
7.5 HP 3 PH 50 HZ 984 RPM 380 V 0956M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=141 PU=56.4 LR=77.5 LRA=93.4
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
11/12/2026 ACPERF, record # 31470


09LYE270
(922-964) = 25.54
12.29
4.20
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
8 HOLES
Ø .53
8.25
8.25
.75
10.00
4.25
11.50
13.65
11.23
6.96
2.50
13.15
6.25
6.19
LEAD HOLE
1.25 N.P.T.
5.00
5.00
8.57
5.85
11.70
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD
REV: K
VERSION: 07
REVISED: 12:31:31 05/20/2023
TDR: 000001208005
MODEL NO. 09LYE270
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HORZ XPFC 254-6T CL.I GP.D,CL.II GP.F&G
09LYE270

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