

ABB BALDOR RELIANCE III

Customer information packet

CCPX25166T

10HP, 1180//980RPM, 3PH, 60HZ, 256TC, XPFC, F1

Class - CLI GP C,D; CLII GP E,F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	256TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,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	380.0 V @ 50 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ 190.0 V @ 50 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	30.000 A @ 208.0 V 28.400 A @ 230.0 V 26.400 A @ 190.0 V 14.200 A @ 460.0 V 13.200 A @ 380.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGX826
Layout	09LY-000-321
Eff. date	05-02-2024
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	04-20-2019

Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	13.2 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP55
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	25.94 IN
Power Factor	72
Product Family	Chemical Process Features
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1180 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

NP2033XPSLEV											
NO.						CC	010A				
S/N						TEMP CODE		T3C			
SPEC.	09-0000-1332					INV.TYPE		PWM			
CAT.NO.	CCPX25166T					C HP FR	60	C HP TO	90		
HP	10//7.5					CT HZ FROM		6	CT HZ TO		60
VOLTS	230/460//190/380					VT HZ FROM		6	VT HZ TO		60
AMPS	28.4/14.2//26.4/13.2					MAG CUR	14.4/7.2				
RPM	1180//980					MX RPM	1800				
HZ	60//50	PH	3	CL	F	NOM.EFF.		91			
SER.F.	1.00	DES	A	SL HZ	1	WK2	4.82				
FRAME	256TC	RATING		40C AMB-CONT							
BLANK	55C AMB @ 1.0 SF, 60C RISE										
	1.15SF ON SINEWAVE					NEMA MG-1 PT.5,IP55					

AC Induction Motor Performance Data

Record # 67046

Typical performance - not guaranteed values

Winding: 09WGX826-R012			Type: 0960M		Enclosure: XPFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		10	Full Load Torque		44.4 LB-FT			
Volts		230/460	Start Configuration		direct on line			
Full Load Amps		28.4/14.2	Breakdown Torque		144 LB-FT			
R.P.M.		1180	Pull-up Torque		54.6 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		75 LB-FT		
NEMA Design Code		A	KVA Code	J	Starting Current		93 A	
Service Factor (S.F.)		1	No-load Current		7.15 A			
NEMA Nom. Eff.		91	Power Factor		72	Line-line Res. @ 25°C		0.676 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		44°C	
					Locked-rotor Power Factor		24.9	
					Rotor inertia		4.82 LB-FT2	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	35	55	66	72	74	76
Efficiency	84.4	90.2	91.6	91.6	91.2	90.3
Speed	1196	1191	1186	1181	1175	1168
Line amperes	8	9.39	11.57	14.2	17.24	20.55

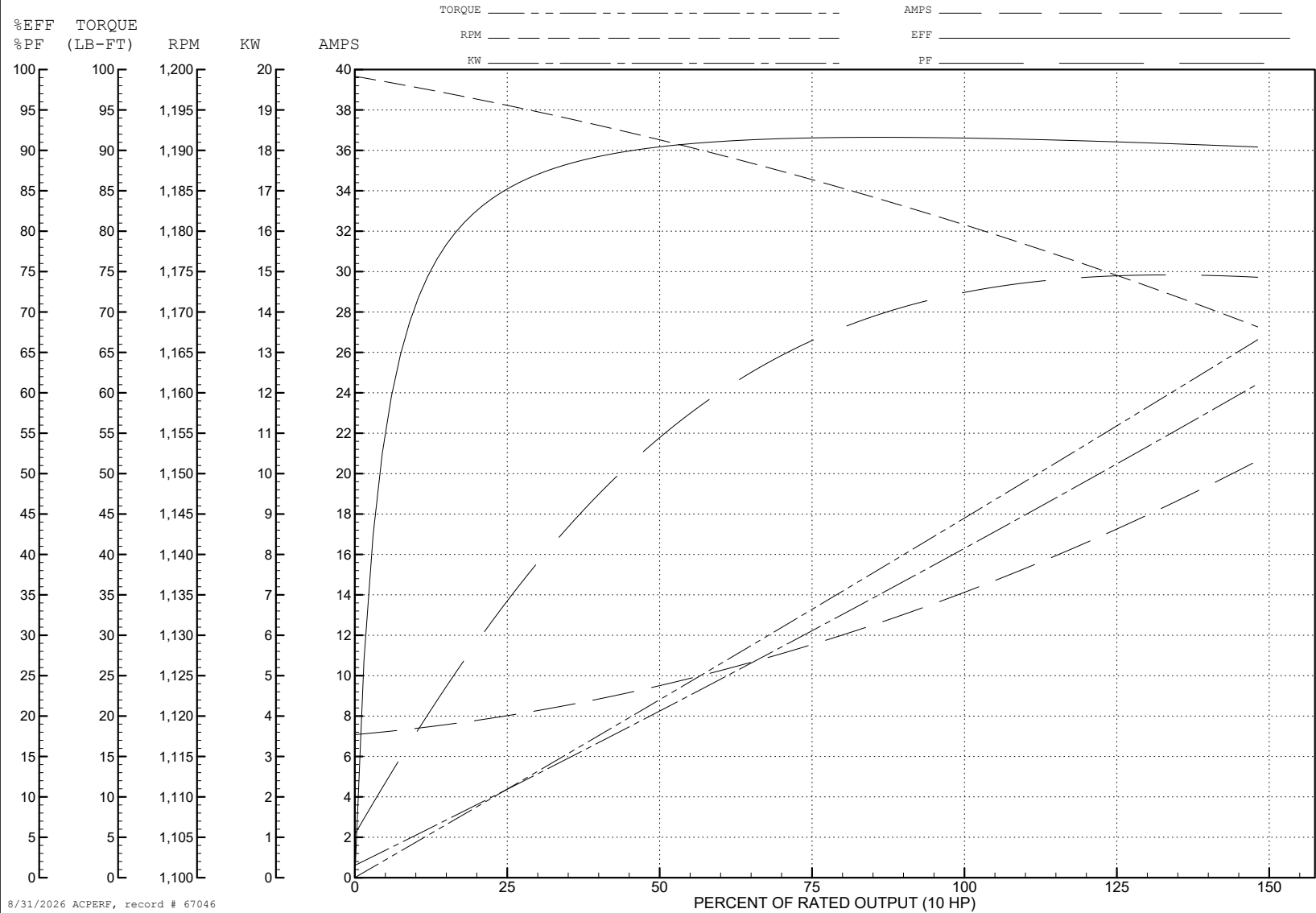
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WINDING # 09WGX826

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1180 RPM 460 V 0960M

TORQUES (LB-FT): PO=144 PU=54.6 LR=75 LRA=93



AC Induction Motor Performance Data

Record # 75706

Typical performance - not guaranteed values

Winding: 09WGX826-R005				Type: 0960M		Enclosure: XPFC	
Nameplate Data				380 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		10//7.5		Full Load Torque		40 LB-FT	
Volts		230/460//190/380		Start Configuration		direct on line	
Full Load Amps		28.4/14.2//26.4/13.2		Breakdown Torque		139 LB-FT	
R.P.M.		1180//980		Pull-up Torque		57.51 LB-FT	
Hz		60//50		Phase		3	
NEMA Design Code		A		KVA Code		J	
Service Factor (S.F.)		1		No-load Current		7.06 A	
NEMA Nom. Eff.		91		Power Factor		72	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps						Temp. Rise @ S.F. Load	
						Locked-rotor Power Factor	
						Rotor inertia	

Load Characteristics 380 V, 50 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	33	53	64	70	73	74
Efficiency	83.7	89.7	91.1	91.3	90.7	89.7
Speed	996	992	987	983	978	971
Line amperes	7.81	9.01	10.92	13.22	15.94	18.86

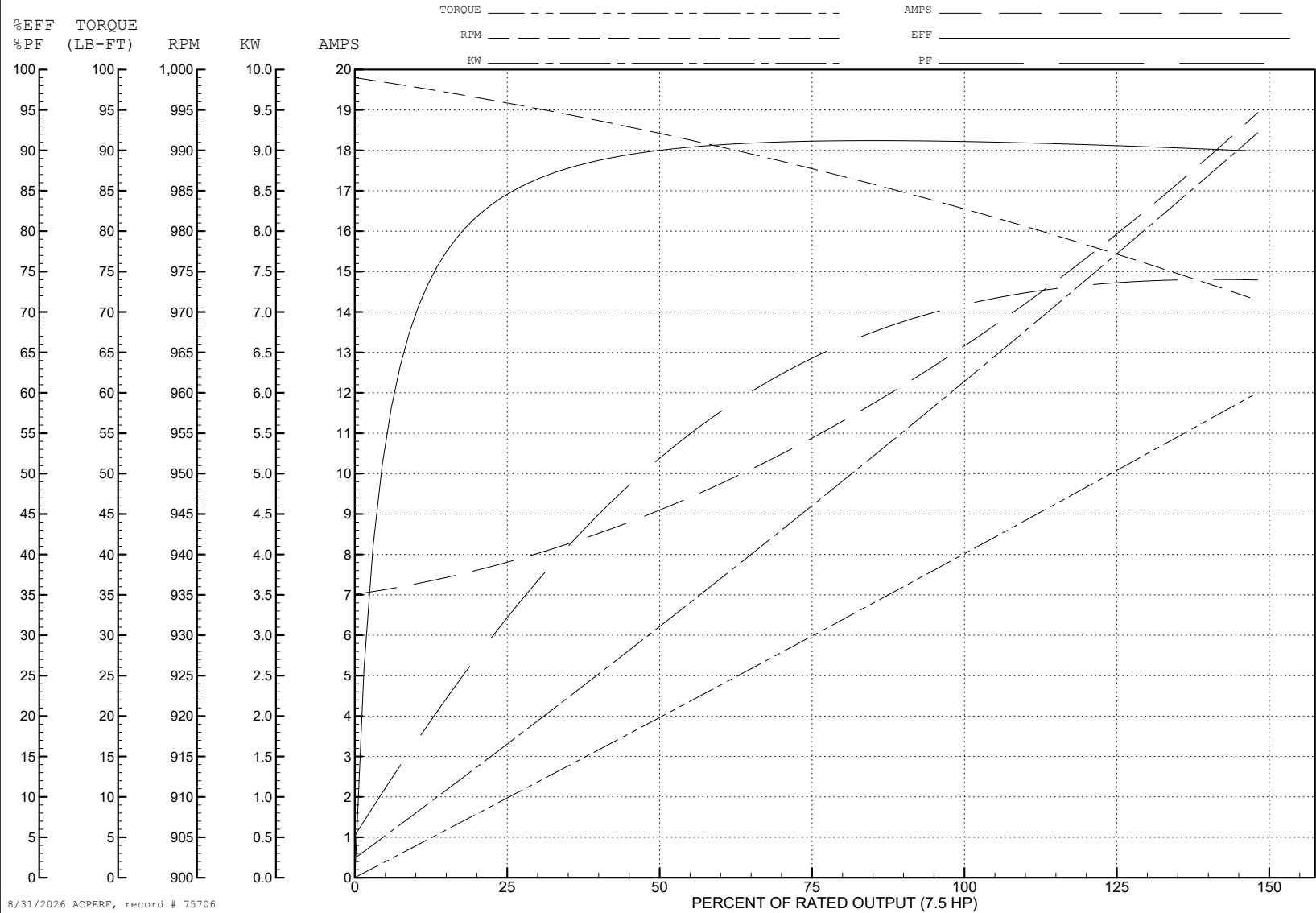
ABB Motors and Mechanical Inc.

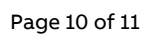
WINDING # 09WGX826

Typical performance - not guaranteed values.

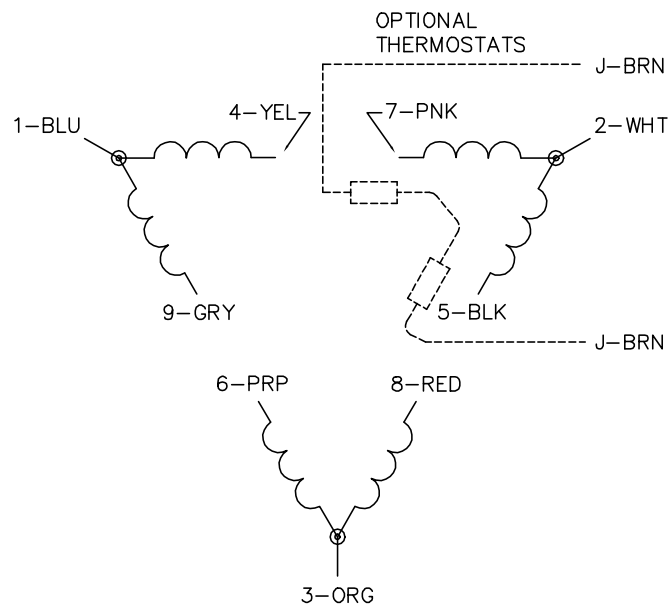
7.5 HP 3 PH 50 HZ 983 RPM 380 V 0960M

TORQUES (LB-FT): PO=139 PU=57.51 LR=79 LRA=91.23

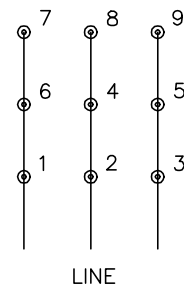




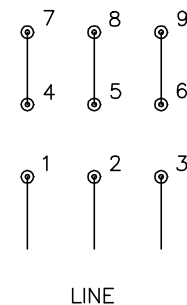
CD0180



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.

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

SH 1 of 1

CD0180