

ABB BALDOR RELIANCE III

Customer information packet

ECR9106T

10HP, 1175RPM, 3PH, 60HZ, 256T, 0962M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
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	14.000 A @ 460.0 V 28.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part Detail

Revision	AE
Type	AC
Mech. spec.	09L575
Base	
Status	PRD/A
Elec. spec.	09WGT161
Layout	09LYL575
Eff. date	06-24-2024
CD Diagram	CD0005
Poles	06
Leads	9#12 Y
Proprietary	False
Created date	01-14-2015

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	14.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0962M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	24.77 IN
Power Factor	74
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.25
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1175 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None

Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3293													
CAT.NO.	ECR9106T		P/N					ENCLOSURE	TEFC				
SPEC.	09L575T161G1	CC	010A	FRAME	256T		S/N						
HP	10		CLASS	F	HZ	60	DES	A					
RPM	1175	RPM MAX	1800		PH	3	KVA-CODE	J					
VOLT	230/460				I.P.	55							
AMP	28/14		SER.F.	1.25	PF	74	ODE BRG	6309	DE BRG	6311			
RATING	40C AMB-CONT		NEMA-NOM-EFF	91	GREASE	POLYREX EM							
HTR-VOLTS	HTR-AMPS		HTR-WATTS		INV.TYPE								
	SFA 33/16.5												
			C HP FR	60	C HP TO	90							
			CT HZ FROM	6	CT HZ TO	60							
			MOTOR WEIGHT	355	VT HZ FROM	6	VT HZ TO	60					

AC Induction Motor Performance Data

Record # 51635

Typical performance - not guaranteed values

Winding: 09WGT161-R001			Type: 0962M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		10	Full Load Torque		45 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		28/14	Breakdown Torque		165 LB-FT	
R.P.M.		1175	Pull-up Torque		80.7 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		128 LB-FT	
NEMA Design Code		A	Starting Current		100 A	
Service Factor (S.F.)		1.25	No-load Current		7.56 A	
NEMA Nom. Eff.		91	Power Factor		74	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		44°C	
S.F. Amps		33/16.5	Temp. Rise @ S.F. Load		57°C	
			Locked-rotor Power Factor		40.3	
			Rotor inertia		4.98 lb-ft²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	55	67	74	78	80	78
Efficiency	84.8	89.9	91.2	91	90.3	89.4	90.3
Speed	1194	1189	1184	1179	1173	1166	1173
Line amperes	8.1	9.61	11.7	14	16.8	19.7	16.8

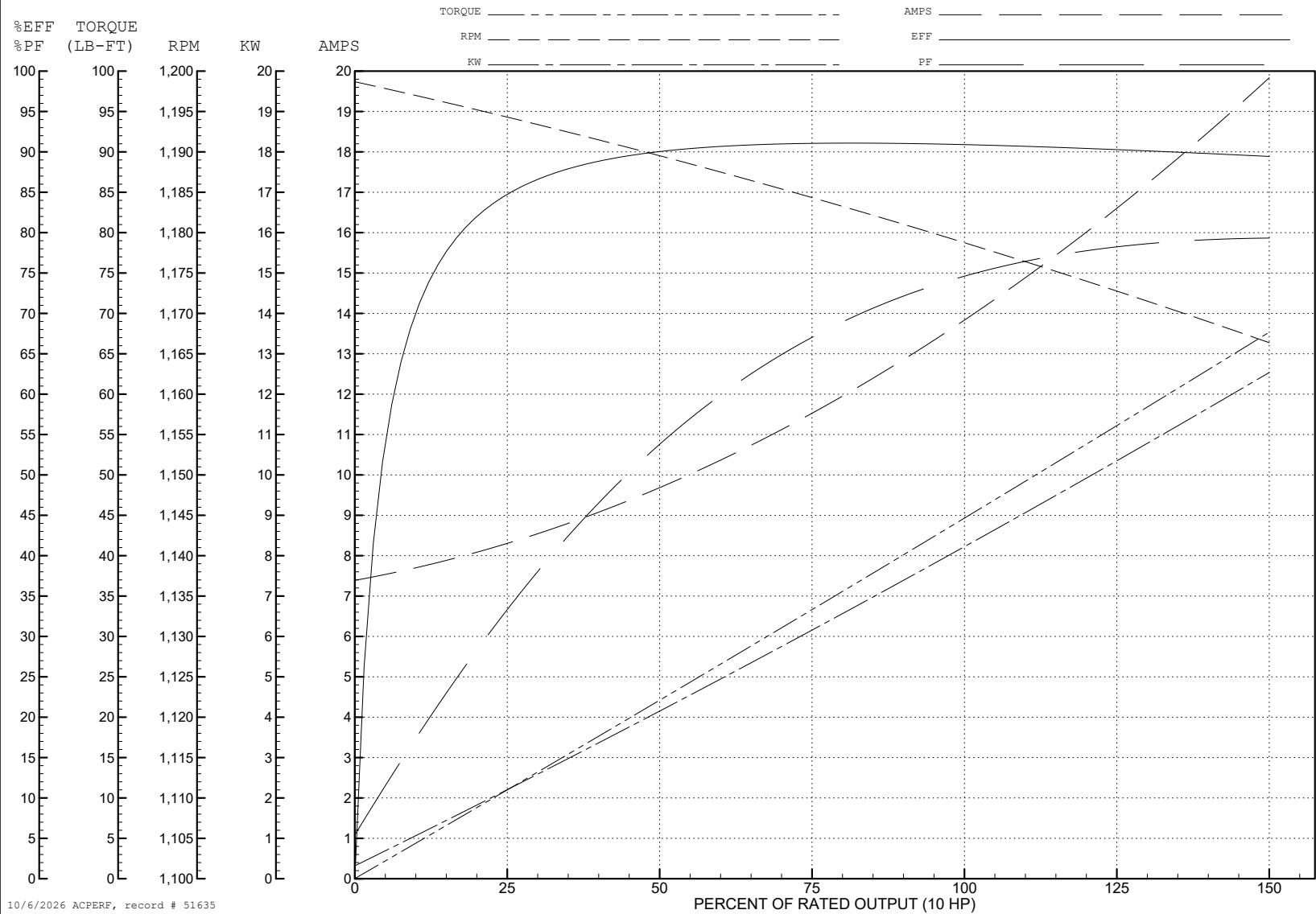
ABB Motors and Mechanical Inc.

WINDING # 09WGT161

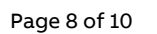
Typical performance - not guaranteed values.

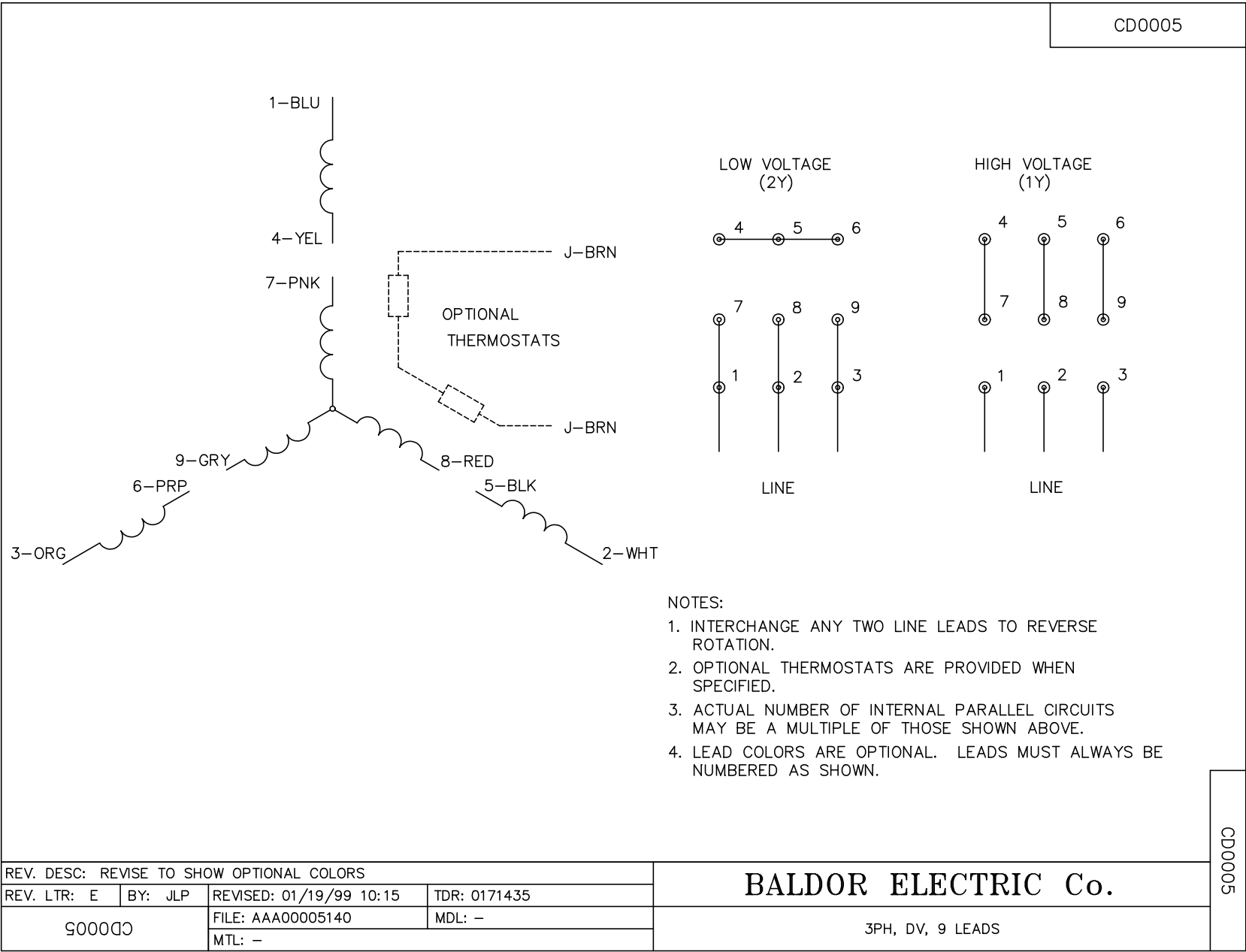
10 HP 3 PH 60 HZ 1175 RPM 460 V 0962M

TORQUES (LB-FT): PO=165 PU=80.7 LR=128 LRA=100

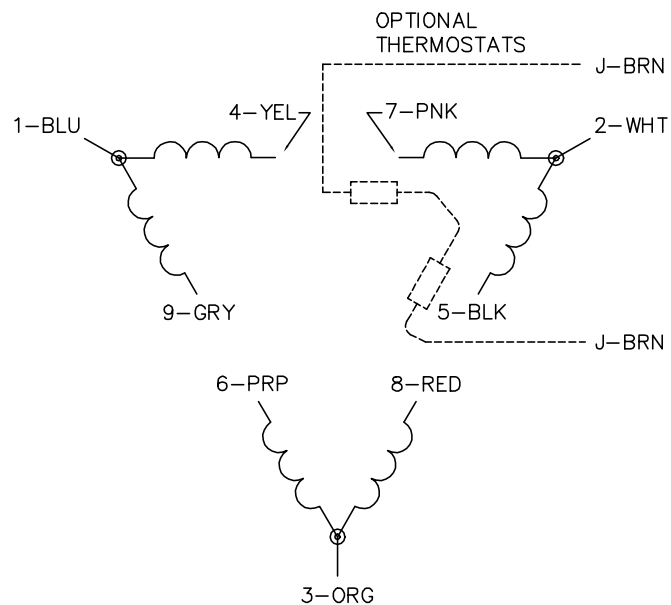


10/6/2026 ACPERF, record # 51635

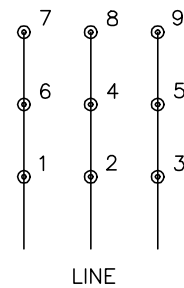




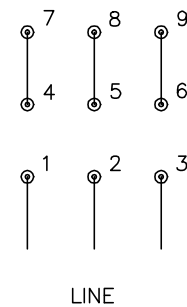
CD0180



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.

CD0180

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

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