

ABB BALDOR RELIANCE III

Customer information packet

VEM2332T

10HP, 1180RPM, 3PH, 60HZ, 256TC, 0960M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256TC
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	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM NEMA PREMIUM (OLD LOGO)
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	28.200 A @ 230.0 V 30.000 A @ 208.0 V 14.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AA
Type	AC
Mech. spec.	09C103
Base	
Status	PRD/A
Elec. spec.	09WGT193
Layout	09LYC103
Eff. date	05-14-2024
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	04-22-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	14.1 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	H
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	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.86 IN
Power Factor	72
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
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	1180 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

NP3441LUA									
CAT.NO.	VEM2332T								
SPEC	09C103T193G1								
HP	10								
VOLTS	230/460								
AMPS	28.2/14.1								
RPM	1180								
FRAME	256TC		HZ	60			PH	3	
SF	1.15		CODE	H	DES	B	CLASS	F	
NEMA NOM. EFF	91		PF	72					
RATING	40C AMB-CONT								
CC	010A								
ENCL	TEFC	SER							
DE	6309		ODE	6208					
VPWM INVERTER READY	SFA 32/16								
CT6-60H(10:1)VT3-60H(20:1									
50Hz 10HP 190/380V 33.2/16.6A									SF1.0

AC Induction Motor Performance Data

Record # 50108

Typical performance - not guaranteed values

Winding: 09WGT193-R001			Type: 0960M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		10	Full Load Torque		44.3 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		28.2/14.1	Breakdown Torque		121 LB-FT	
R.P.M.		1180	Pull-up Torque		50.6 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		67 LB-FT
NEMA Design Code		B	KVA Code		H	
Service Factor (S.F.)		1.15	Starting Current		81 A	
NEMA Nom. Eff.		91	Power Factor		72	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		38°C
S.F. Amps				Temp. Rise @ S.F. Load		46°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	S.F.
Power Factor	36	57	67	72	74	75	73
Efficiency	85.8	90.7	91.9	91.7	91.1	89.4	91.3
Speed	1195	1191	1186	1181	1174	1166	1177
Line amperes	7.45	9.13	11.4	14.1	17.3	21.1	16

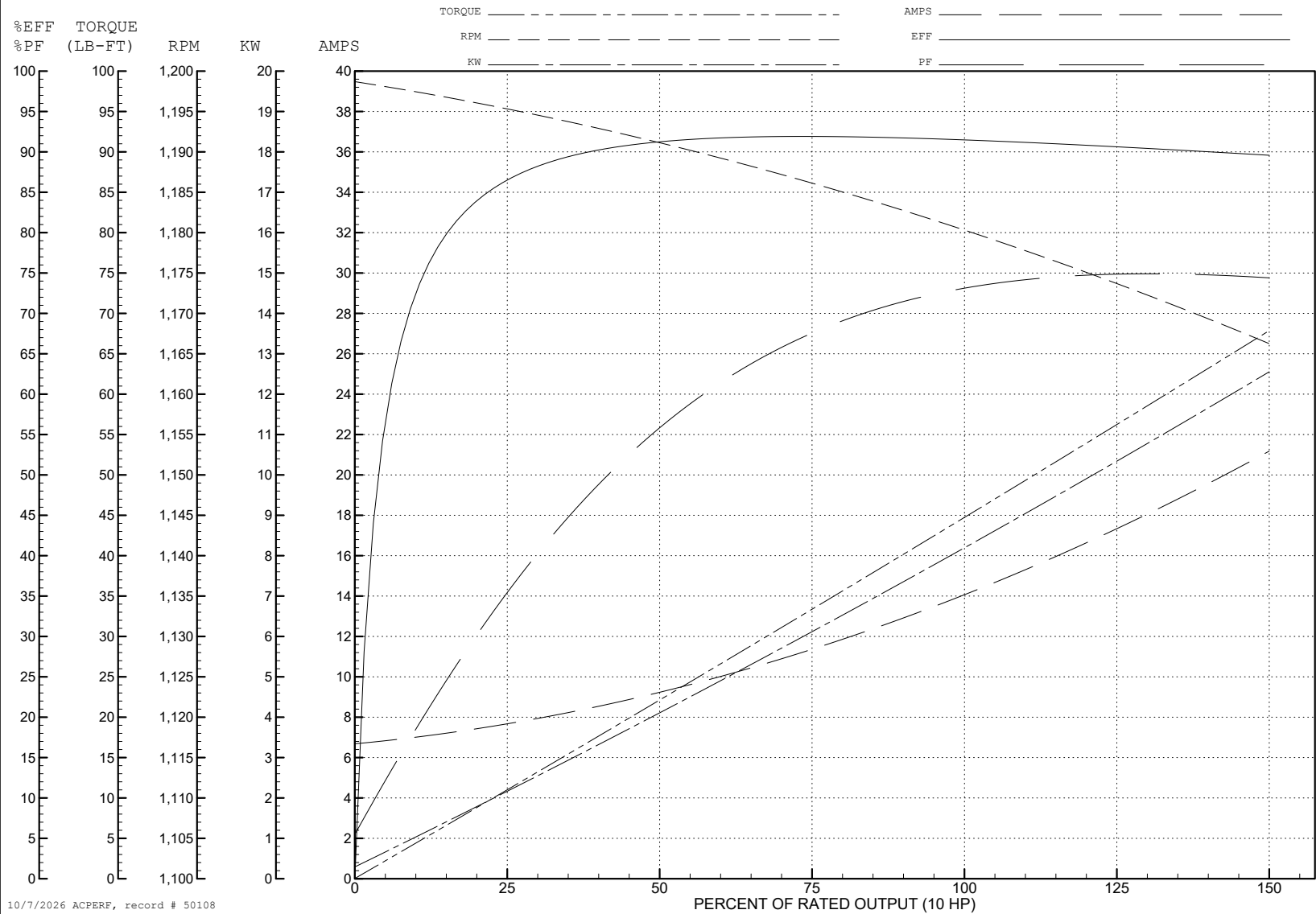
ABB Motors and Mechanical Inc.

WINDING # 09WGT193

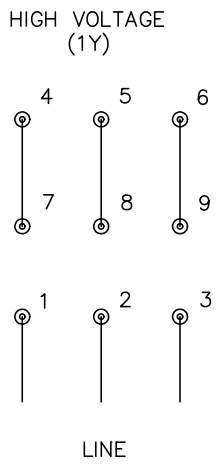
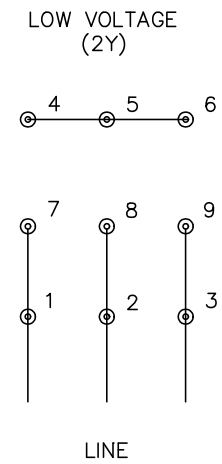
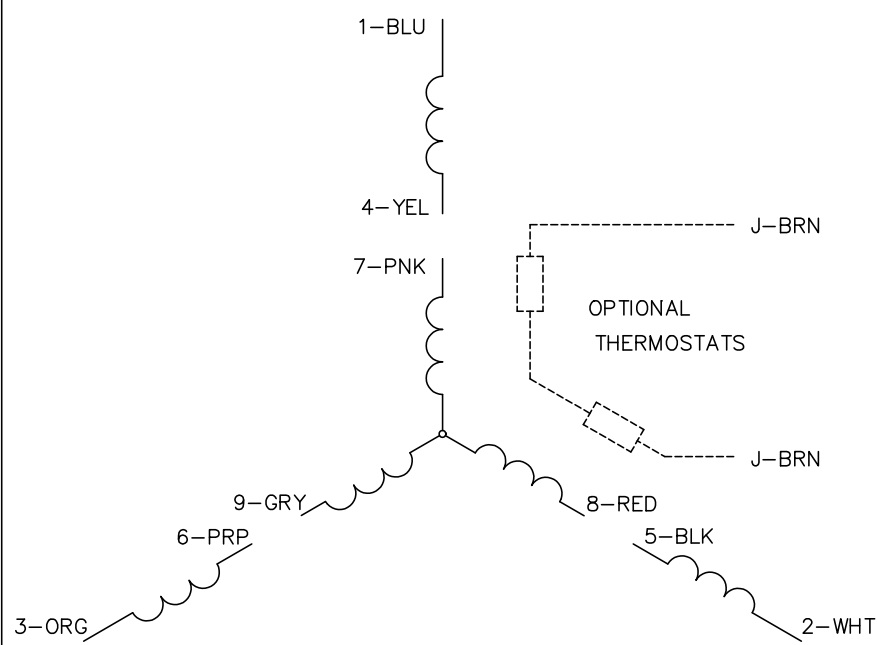
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10 HP 3 PH 60 HZ 1180 RPM 460 V 0960M

TORQUES (LB-FT): PO=121 PU=50.6 LR=67 LRA=81



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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005