

ABB BALDOR RELIANCE III

Customer information packet CEM2532T

25HP, 1180RPM, 3PH, 60HZ, 324TC, OPSB, F1

Specifications

Enclosure	OPSB
Frame	324TC
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	25.000 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	CURUSEEV NEMA PREMIUM
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	70.000 A @ 208.0 V 68.000 A @ 230.0 V 34.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	34.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	40WGX192
Layout	40LYH006
Eff. date	02-12-2024
CD Diagram	CD0180
Poles	06
Leads	9#10
Proprietary	False
Created date	02-20-2020

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4072M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	27.69 IN
Power Factor	76
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate
NP2138L

CAT.NO.	CEM2532T			P/N					ENCLOSURE		OPSB						
SPEC.	40-0000784		CC	010A		FRAME		324TC		S/N							
HP	25			CLASS		F		HZ		60							
RPM	1180			PH		3		DES		A							
VOLT	230/460							KVA-CODE		J		ODE BRG		6309	DE BRG	6312	
AMP	68/34																
RATING	40C AMB-CONT				GREASE		POLYREX EM										
NEMA-NOM-EFF	93	PF	76	SER.F.		1.15											
HTR-VOLTS	HTR-AMPS																

AC Induction Motor Performance Data

Record # 81243

Typical performance - not guaranteed values

Winding: 40WGX192-R001			Type: 4072M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		25	Full Load Torque		111 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		68/34	Breakdown Torque		410 LB-FT		
R.P.M.		1180	Pull-up Torque		205 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		217 LB-FT	
NEMA Design Code		A	KVA Code	J	Starting Current		236 A
Service Factor (S.F.)		1.15		No-load Current		16.7 A	
NEMA Nom. Eff.		93	Power Factor	76	Line-line Res. @ 25°C		0.312 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		40°C	
S.F. Amps				Temp. Rise @ S.F. Load		48°C	
				Locked-rotor Power Factor		30.9	
				Rotor inertia		8.82 lb-ft²	

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	57	70	76	79	80	78
Efficiency	87	91.2	92.4	92.7	92.3	91.5	92.5
Speed	1196	1192	1188	1185	1181	1176	1183
Line amperes	18.5	22.3	27.4	33.5	40.3	47.8	37.6

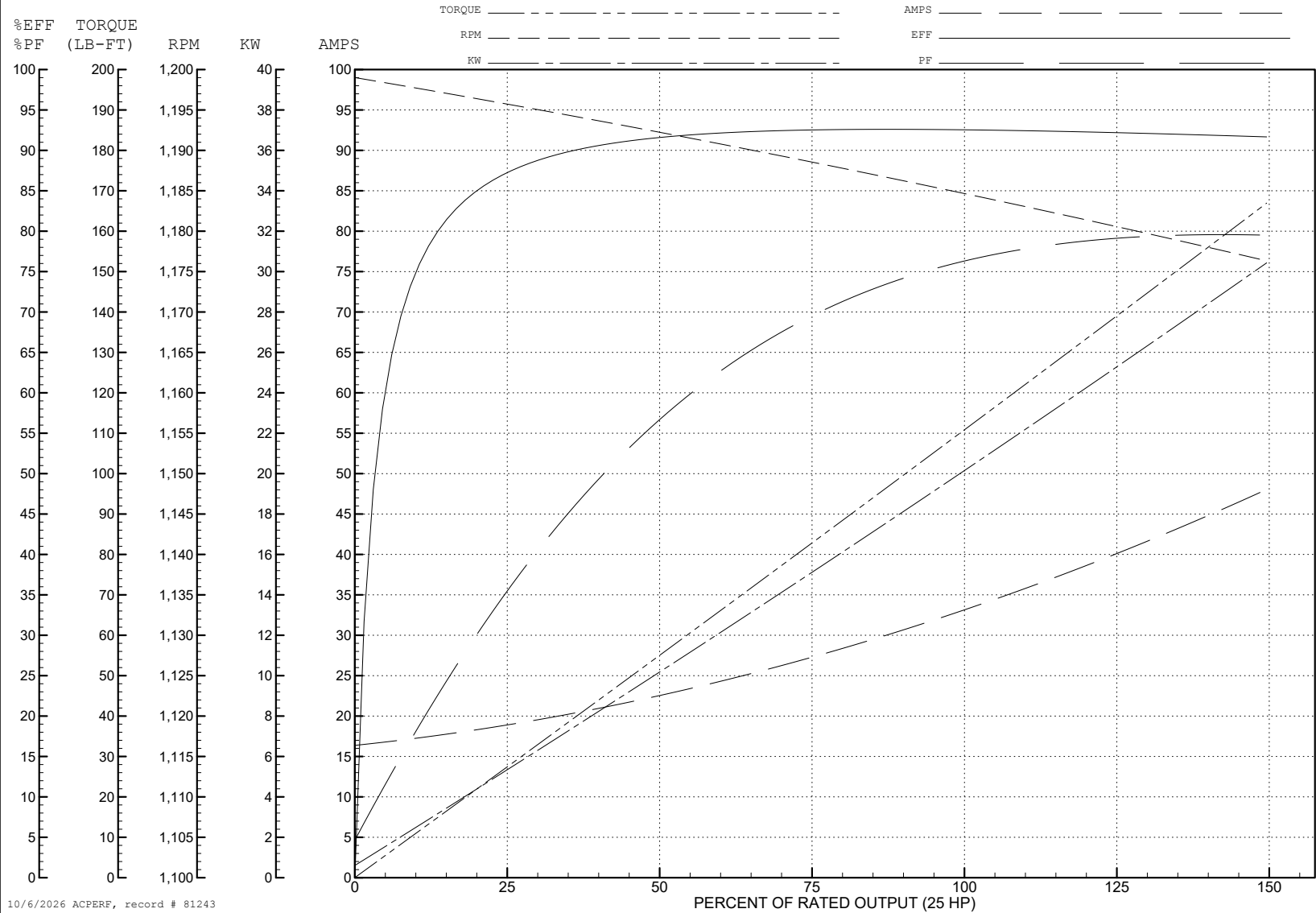
ABB Motors and Mechanical Inc.

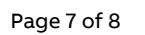
WINDING # 40WGX192

Typical performance - not guaranteed values.

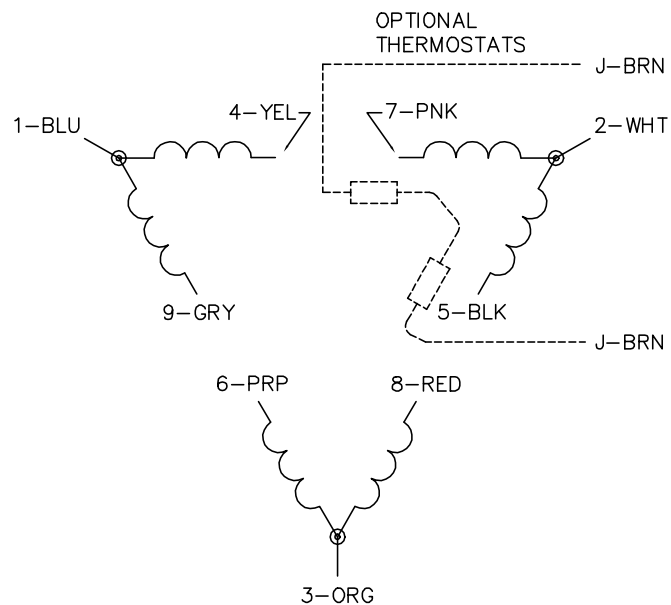
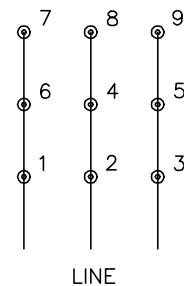
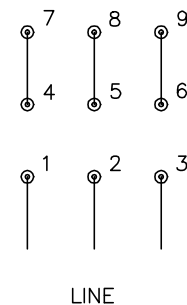
25 HP 3 PH 60 HZ 1180 RPM 460 V 4072M

TORQUES (LB-FT): PO=410 PU=205 LR=217 LRA=236





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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