

ABB BALDOR RELIANCE III

Customer information packet

EHM2532T

25HP, 1180RPM, 3PH, 60HZ, 324T, 4072M, OPSB, F1

Specifications

Enclosure	OPSB
Frame	324T
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	CSA 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
Current @ Voltage	34.000 A @ 460.0 V 68.000 A @ 230.0 V 70.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	34.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	H
Type	AC
Mech. spec.	40E329
Base	
Status	PRD/A
Elec. spec.	40WGX192
Layout	40LYE329
Eff. date	07-10-2024
CD Diagram	CD0180
Poles	06
Leads	9#10
Proprietary	False
Created date	10-21-2013

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
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 End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Mounting Provisions Only
Shaft Rotation	Reversible
Shaft Slinger Indicator	No 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

Nameplate

NP2094E06B03									
CAT.NO.	EHM2532T								
SPEC.	40E329X192G1								
HP	25								
VOLTS	230/460								
AMPS	68/34								
RPM	1180								
FRAME	324T		HZ	60		PH	3		
SER.F.	1.15	CODE	J	DES	A	CL	F		
NEMA-NOM-EFF	93		PF	76					
RATING	40C AMB-CONT								
CC	010A		USABLE AT 208V				N/A		
DE	6312		ODE	6309					
AUTO		MANUAL			NONE				
ENCL	OPSB	SN							
BLANK									

AC Induction Motor Performance Data

Record # 53040

Typical performance - not guaranteed values

Winding: 40WGX192-R004			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		0.29283 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		31	
					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	69	76	79	80	78
Efficiency	88	92.3	93.2	93.2	92.7	92	92.9
Speed	1195.9	1192.3	1188.4	1184.9	1180.9	1176.1	1182
Line amperes	18.5	22.3	27.4	33.5	40.3	47.8	37.6

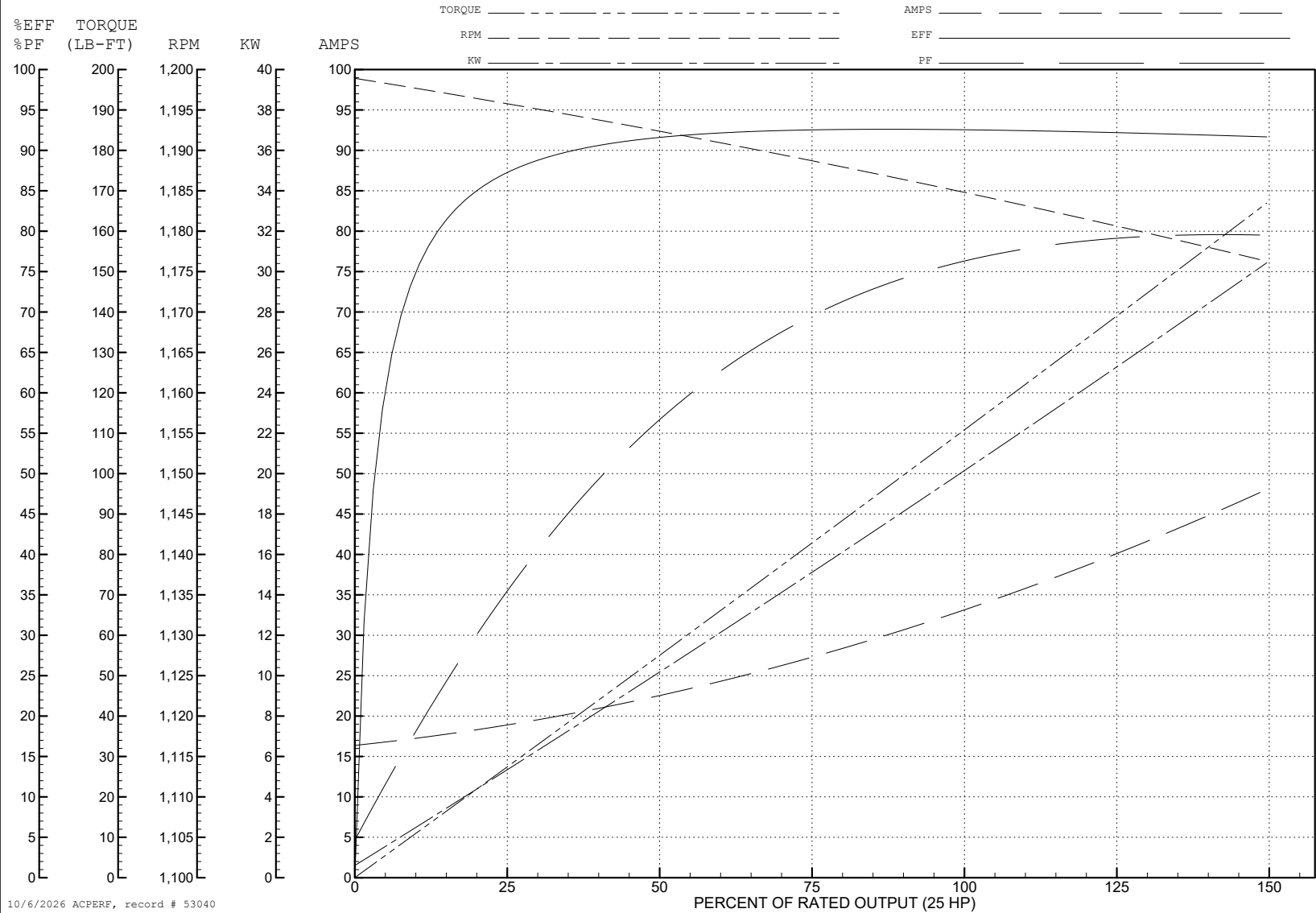
ABB Motors and Mechanical Inc.

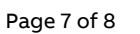
WINDING # 40WGX192

Typical performance - not guaranteed values.

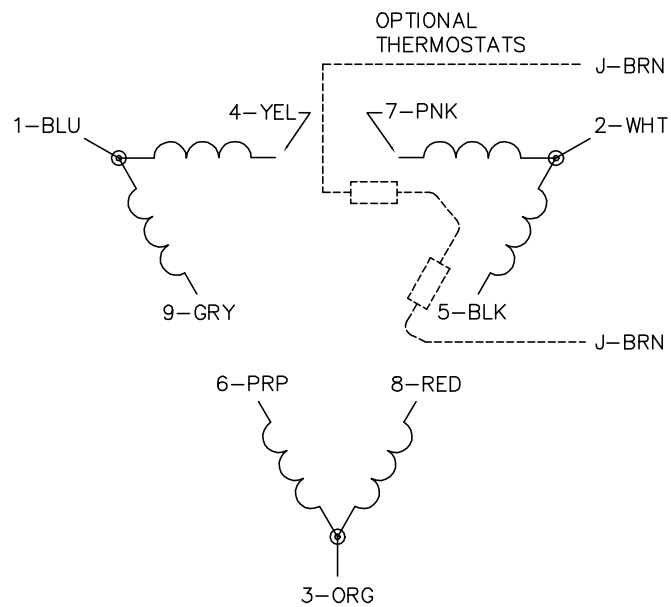
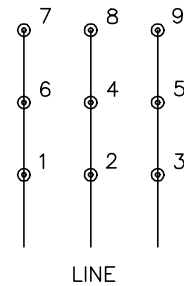
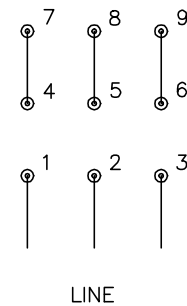
25 HP 3 PH 60 HZ 1180 RPM 460 V 4072M

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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