

ABB BALDOR RELIANCE III

Customer information packet

CECP84106T-4

20HP, 3510RPM, 3PH, 60HZ, 256TC, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	256TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	20.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	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	1.5
Current @ Voltage	50.000 A @ 208.0 V 22.000 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
Enclosure Modification	841
Feedback Device	NO FEEDBACK

Part Detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGT034
Layout	09LY-000-404
Eff. date	11-14-2023
CD Diagram	CD0006
Poles	02
Leads	3#12
Proprietary	False
Created date	01-27-2019

Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	22.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP56
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	0954M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	25.28 IN
Power Factor	91
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3510 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

NP4332

CAT.NO.	CECP84106T-4		P/N			ENCLOSURE	TEFC		
SPEC.	09-0000-0981		CC	010A	FRAME	256TC	S/N		
HP	20		CLASS	F	HZ	60	ODE BRG	6309 DE BRG 6309	
RPM	3510	RPM MAX	5400	PH	3	DES	B	D.E. BRG.	45BC03X30X
VOLT	460		KVA-CODE	G		O.D.E. BRG.	45BC03X30X		
AMP	22		MOTOR WEIGHT	328		GREASE	POLYREX EM		
RATING	40C AMB-CONT		MAX. KVAR	2		BLANK			
NEMA-NOM-EFF	91	# OF ROTOR BARS	28	SER.F.	1.15	IP	56		
G.MIN.EFF	89.5	# OF STATOR SLOTS	36	PF	91	INV.TYPE	PWM		
TEMP CODE	T3		INVERTER-TEMP-CODE	200					
TEMP =	200	C HP FR	60	C HP TO	90				
CT HZ FROM	1.5	CT HZ TO	60						
HTR-VOLTS		HTR-AMPS		HTR-WATTS		MAX. SPACE HEATER TEMP.		VT HZ FROM 0- VT HZ TO 60	

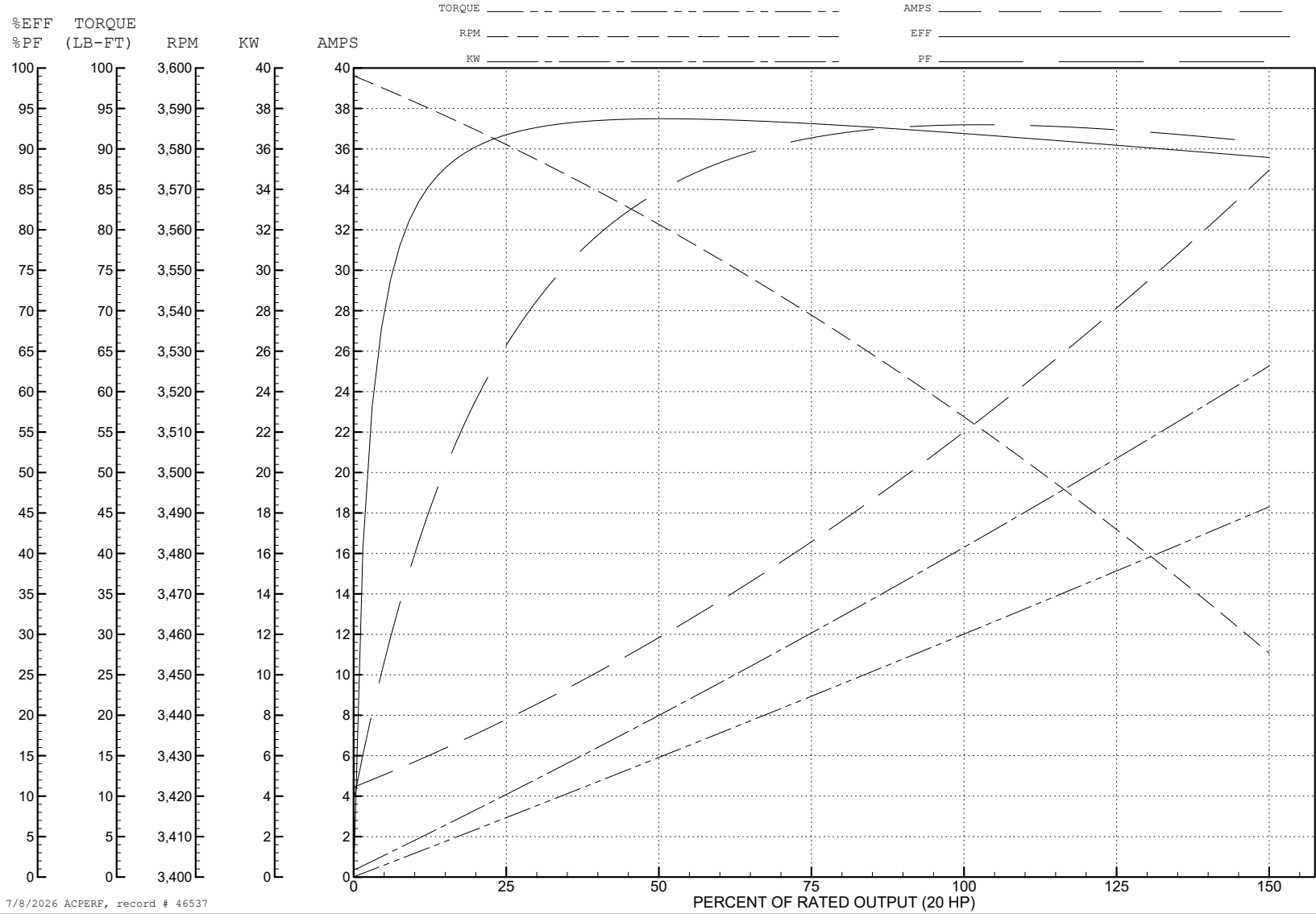
ABB Motors and Mechanical Inc.

WINDING # 09WGT034

20 HP 3 PH 60 HZ 3510 RPM 460 V 0954M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=101 PU=33.7 LR=43.9 LRA=145



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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