

ABB BALDOR RELIANCE III

Customer information packet

CFSWDM23932T-E

10HP, 1180RPM, 3PH, 60HZ, 256TC, 3964M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256TC
Frame Material	Stainless Steel
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	NEMA PREMIUM 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	15.100 A @ 460.0 V 30.200 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
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	Z
Type	AC
Mech. spec.	39E646
Base	
Status	PRD/A
Elec. spec.	39WGX896
Layout	39LYE646
Eff. date	02-10-2025
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	04-06-2017

High Voltage Full Load Amps	15.1 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
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	3964M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	25.18 IN
Power Factor	68
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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	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
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP4427AAA05														
CAT #	CFSWDM23932T-E					WGT		LBS						
SPEC	39E646X896G1					ENCL	TEFC							
SER #						CC	010A		IP	69				
HP	10		MAG CUR			17/8.5								
VOLTS	230/460					NEMA NOM. EFF				91				
AMPS	30.2/15.1					PF		68						
RATING	40C AMB-CONT													
RPM	1180					MAX RPM		1800						
FRAME	256TC		HZ	60		CODE	K	CLASS		H				
SER.F.	1.15		SF AMP					PH	3	DES	A			
DE	6309			ODE		6309								
LUBRICATION	POLYREX EM													
ID LOGO	INV TYPE:		VPWM		CHP	60	TO	90			1.5:1			
ID LOGO	WK2	5.14	CT	30	TO	60	2:1							
ID LOGO	SL HZ	1	VT	6	TO	60	10:1							

AC Induction Motor Performance Data

Record # 54939

Typical performance - not guaranteed values

Winding: 39WGX896-R002			Type: 3964M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		10	Full Load Torque		44.4 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		30.2/15.1	Breakdown Torque		149 LB-FT		
R.P.M.		1180	Pull-up Torque		58 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		81.2 LB-FT	
NEMA Design Code		A	KVA Code	Starting Current		103 A	
Service Factor (S.F.)		1.15	No-load Current		8.46 A		
NEMA Nom. Eff.		91	Power Factor	Line-line Res. @ 25°C		0.64938 Ω	
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		67°C
S.F. Amps					Temp. Rise @ S.F. Load		79°C
					Locked-rotor Power Factor		24.5

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	50	61	68	72	74	70
Efficiency	84.1	89.9	91.3	91.4	91	90.1	91.2
Speed	1195.5	1191.4	1186.7	1181.7	1176.3	1169.9	1178
Line amperes	9.06	10.5	12.6	15.1	17.8	21.1	16.7

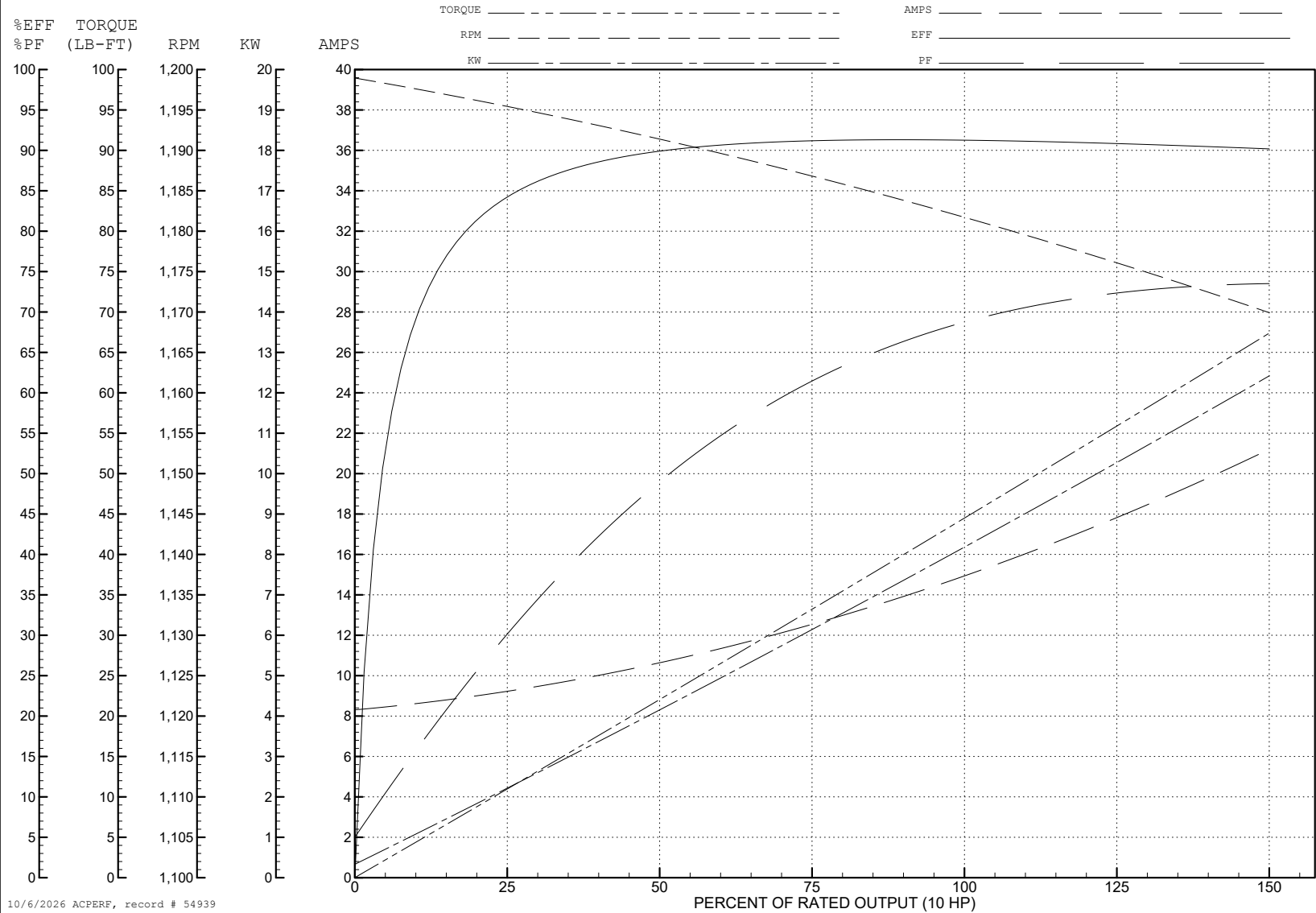
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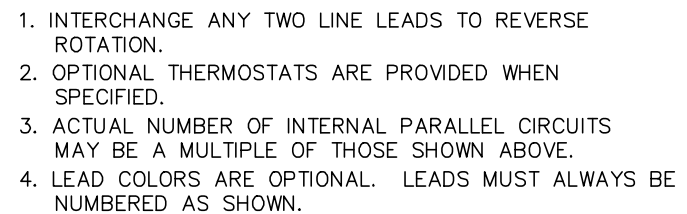
WINDING # 39WGX896

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1180 RPM 460 V 3964M

TORQUES (LB-FT): PO=149 PU=58 LR=81.2 LRA=103



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