

ABB BALDOR RELIANCE III

Customer information packet

GNEM2511T-G

10HP//7.5KW, 1180//980RPM, 3PH, 60//50HZ, 25

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	256T
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 KW @ 50 HZ 10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	190.0 V @ 50 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	CE WEEE UKCA CURUSEEV IE3 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	36.000 A @ 190.0 V 31.000 A @ 230.0 V 31.000 A @ 208.0 V

Part Detail

Revision	F
Type	AC
Mech. spec.	39E366
Base	
Status	PRD/A
Elec. spec.	39WGX503
Layout	39LYE366
Eff. date	02-11-2026
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	09-08-2023

	18.000 A @ 380.0 V
	15.500 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	15.5 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	24.19 IN
Power Factor	66
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible

Shaft Slinger Indicator	No Slinger
Speed	1180 rpm
	980 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

NP4304L									
CAT.NO.	GNEM2511T-G								
SPEC.	39E366X503G1								
HP	10HP//7.5KW					PH	3		
VOLTS	208-230/460//190/380								
AMPS	31/15.5//36/18								
R.P.M. (1/MIN)	1180//980					WT.	131KG		KG
FRAME	256T		HZ	60//50		I.P.	22		
SER.F.	1.15	CODE	K	DES.	A	CLASS	H		
NOM.EFF.	91.7		% (100%)						
P.F.	66	IC01, 10:1 VT							
RATING	40C AMB-CONT				CC	010A			
DE	6309		ODE	6208					
ENCL	OPSB	SN							
IE3-50HZ 91.6(75%),90.2(50%)									
IE3-60HZ 88.8(75%),85.6(50%)									

AC Induction Motor Performance Data

Record # 102713

Typical performance - not guaranteed values

Winding: 39WGX503-R004				Type: 3960M		Enclosure: OPSB	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		10HP//7.5KW		Full Load Torque		43.95 LB-FT	
Volts		208-230/460//190/380		Start Configuration		direct on line	
Full Load Amps		31/15.5//36/18		Breakdown Torque		182 LB-FT	
R.P.M.		1180//980		Pull-up Torque		66.74 LB-FT	
Hz		60//50		Phase		3	
NEMA Design Code		A		KVA Code		K	
Service Factor (S.F.)						1.15	
NEMA Nom. Eff.		91.7		Power Factor		66	
Rating - Duty						40C AMB-CONT	
S.F. Amps							

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	45	57	64	69	72	67
Efficiency	82.2	89.2	91.4	92.2	92.2	91.8	92.2
Speed	1197	1194	1190	1186	1183	1178	1184
Line amperes	10.22	11.51	13.41	15.62	18.44	21.18	17.3

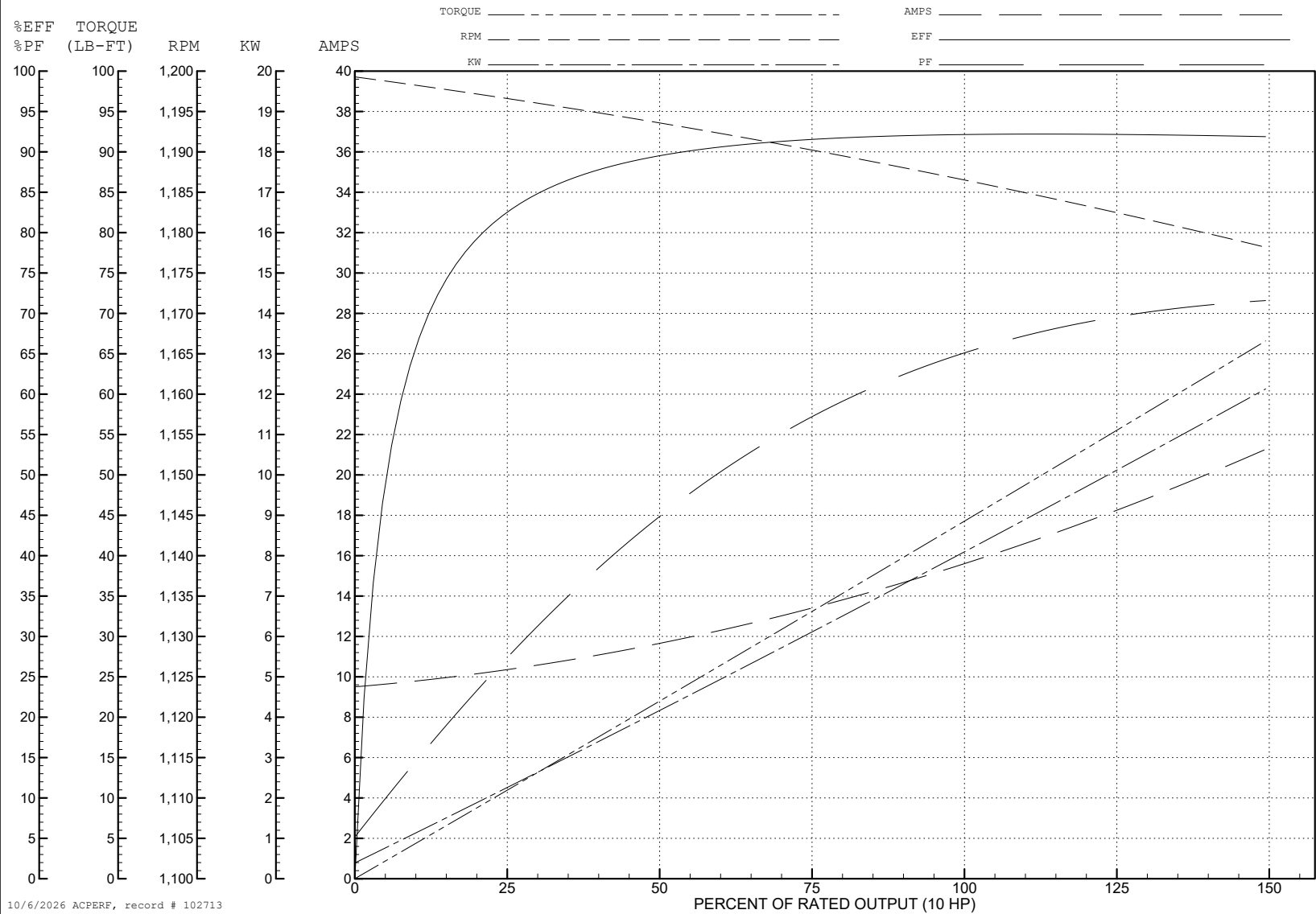
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WINDING # 39WGX503

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1186 RPM 460 V 3960M

TORQUES (LB-FT): PO=182 PU=66.74 LR=81.3 LRA=112



AC Induction Motor Performance Data

Record # 102714

Typical performance - not guaranteed values

Winding: 39WGX503-R004				Type: 3960M		Enclosure: OPSB			
Nameplate Data				380 V, 50 Hz: High Voltage Connection					
Rated Output (HP)		10HP//7.5KW		Full Load Torque		53.04 LB-FT			
Volts		208-230/460//190/380		Start Configuration		direct on line			
Full Load Amps		31/15.5//36/18		Breakdown Torque		176 LB-FT			
R.P.M.		1180//980		Pull-up Torque		70.2 LB-FT			
Hz		60//50 Phase		3		Locked-rotor Torque		85.5 LB-FT	
NEMA Design Code		A		KVA Code		K		Starting Current	110 A
Service Factor (S.F.)		1.15						No-load Current	9.46 A
NEMA Nom. Eff.		91.7		Power Factor		66		Line-line Res. @ 25°C	0.578 Ω
Rating - Duty		40C AMB-CONT						Temp. Rise @ Rated Load	21°C
S.F. Amps								Temp. Rise @ S.F. Load	26°C
								Locked-rotor Power Factor	28.1
								Rotor inertia	4.82 lb-ft²

Load Characteristics 380 V, 50 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	51	63	69	73	74	71
Efficiency	84.5	90.2	91.6	91.8	91.2	90.3	91.4
Speed	996	992	988	983	978	972	980
Line amperes	10.25	12.06	14.67	17.7	21.5	25.3	20

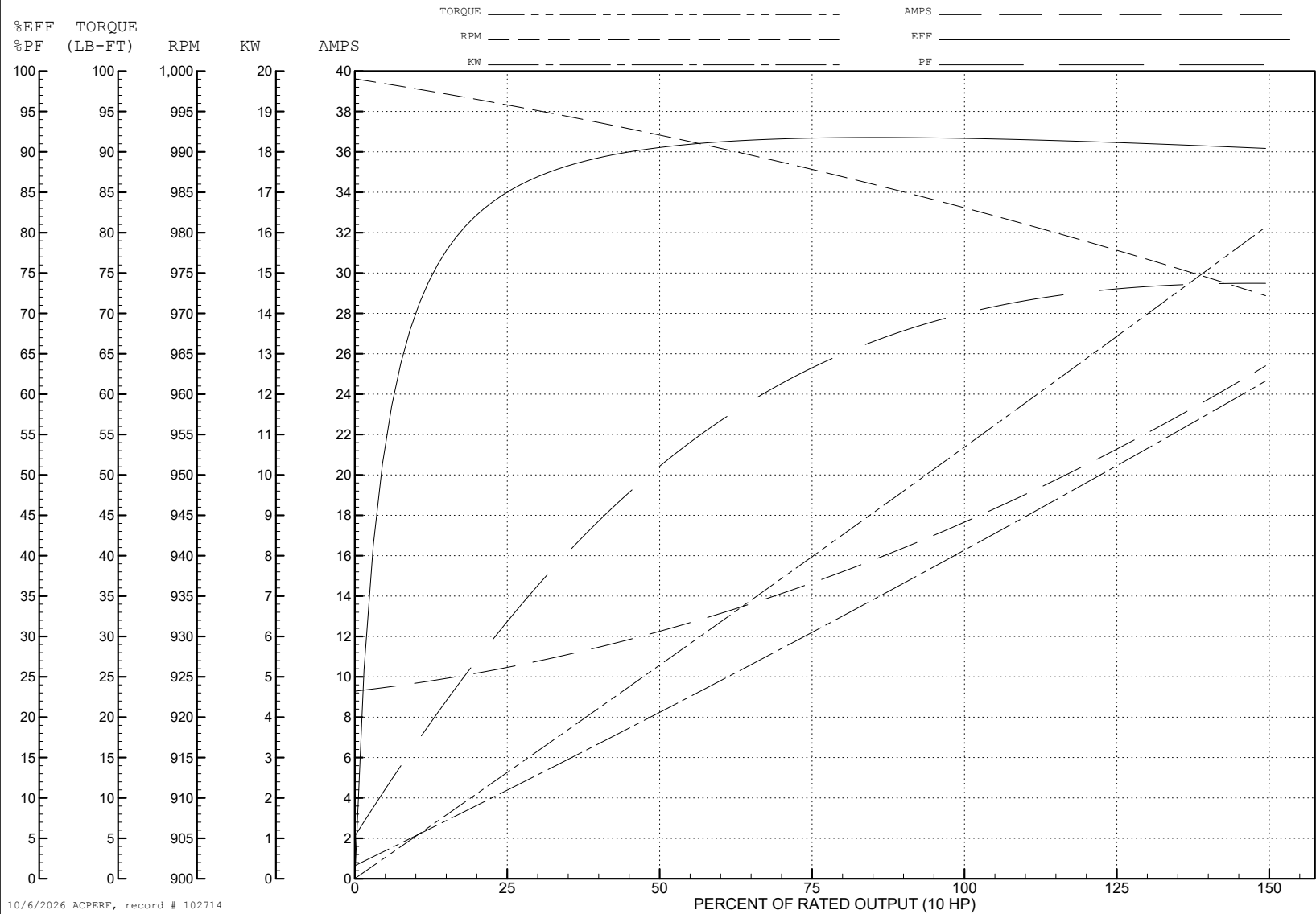
ABB Motors and Mechanical Inc.

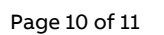
WINDING # 39WGX503

Typical performance - not guaranteed values.

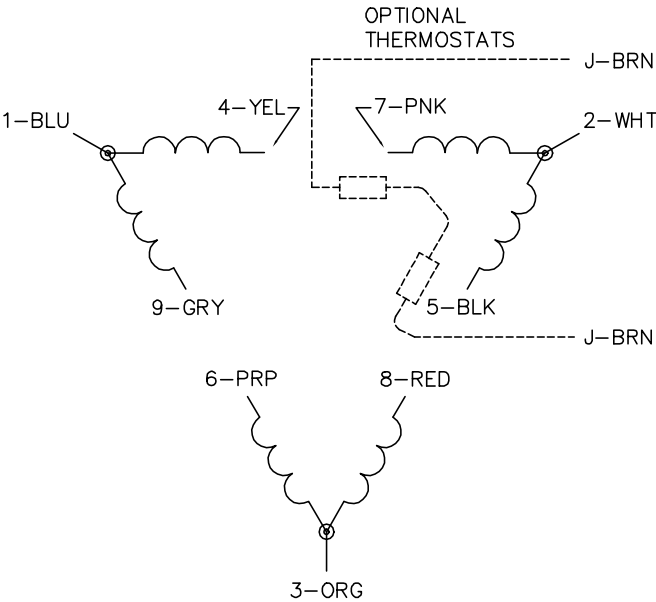
10 HP 3 PH 50 HZ 983 RPM 380 V 3960M

TORQUES (LB-FT): PO=176 PU=70.2 LR=85.5 LRA=110

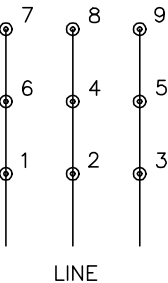




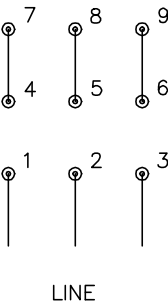
CD0180



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
SH 1 of 1