

ABB BALDOR RELIANCE III

Customer information packet

GNEM2332T-G

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

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
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	38.000 A @ 190.0 V 33.600 A @ 230.0 V 32.400 A @ 208.0 V

Part Detail

Revision	F
Type	AC
Mech. spec.	09J359
Base	
Status	PRD/A
Elec. spec.	09WGZ739
Layout	09LYJ359
Eff. date	03-12-2026
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	09-19-2023

	19.000 A @ 380.0 V
	16.800 A @ 460.0 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 Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	16.8 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	23.36 IN
Power Factor	61
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	Shaft 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.	GNEM2332T-G								
SPEC.	09J359Z739G1								
HP	10HP//7.5KW					PH	3		
VOLTS	208-230/460//190/380								
AMPS	32.4-33.6/16.8//38/19								
R.P.M. (1/MIN)	1180//980					WT.	159KG		KG
FRAME	256T		HZ	60//50		I.P.	54		
SER.F.	1.15	CODE	L	DES.	A	CLASS	H		
NOM.EFF.	91//89		% (100%)						
P.F.	61	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT				CC	010A			
DE	6309		ODE	6208					
ENCL	TEFC	SN							
	SFA 36/18//42/21								
	IE3-50HZ 91.0 (75%),90.1 (50%)								
	IE3-60HZ 90.6 (75%),89.5 (50%)								

AC Induction Motor Performance Data

Record # 102708

Typical performance - not guaranteed values

Winding: 09WGZ739-R010				Type: 0960M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		10HP//7.5KW		Full Load Torque		44.4 LB-FT	
Volts		208-230/460//190/380		Start Configuration		direct on line	
Full Load Amps		32.4-33.6/16.8//38/19		Breakdown Torque		181 LB-FT	
R.P.M.		1180//980		Pull-up Torque		72.2 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque		92.1 LB-FT	
NEMA Design Code		A	KVA Code	L	Starting Current		121 A
Service Factor (S.F.)		1.15		No-load Current		10.4 A	
NEMA Nom. Eff.		91	Power Factor	61	Line-line Res. @ 25°C		0.506 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		52°C	
S.F. Amps		36/18//42/21		Temp. Rise @ S.F. Load		63°C	
				Locked-rotor Power Factor		25.4	
				Rotor inertia		4.82 lb-ft²	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	42	54	61	66	70	64
Efficiency	82	88.9	90.6	91.1	90.4	89.8	90.7
Speed	1197	1193	1189	1184	1179	1173	1181
Line amperes	11	12.5	14.3	16.8	19.5	22.5	18.4

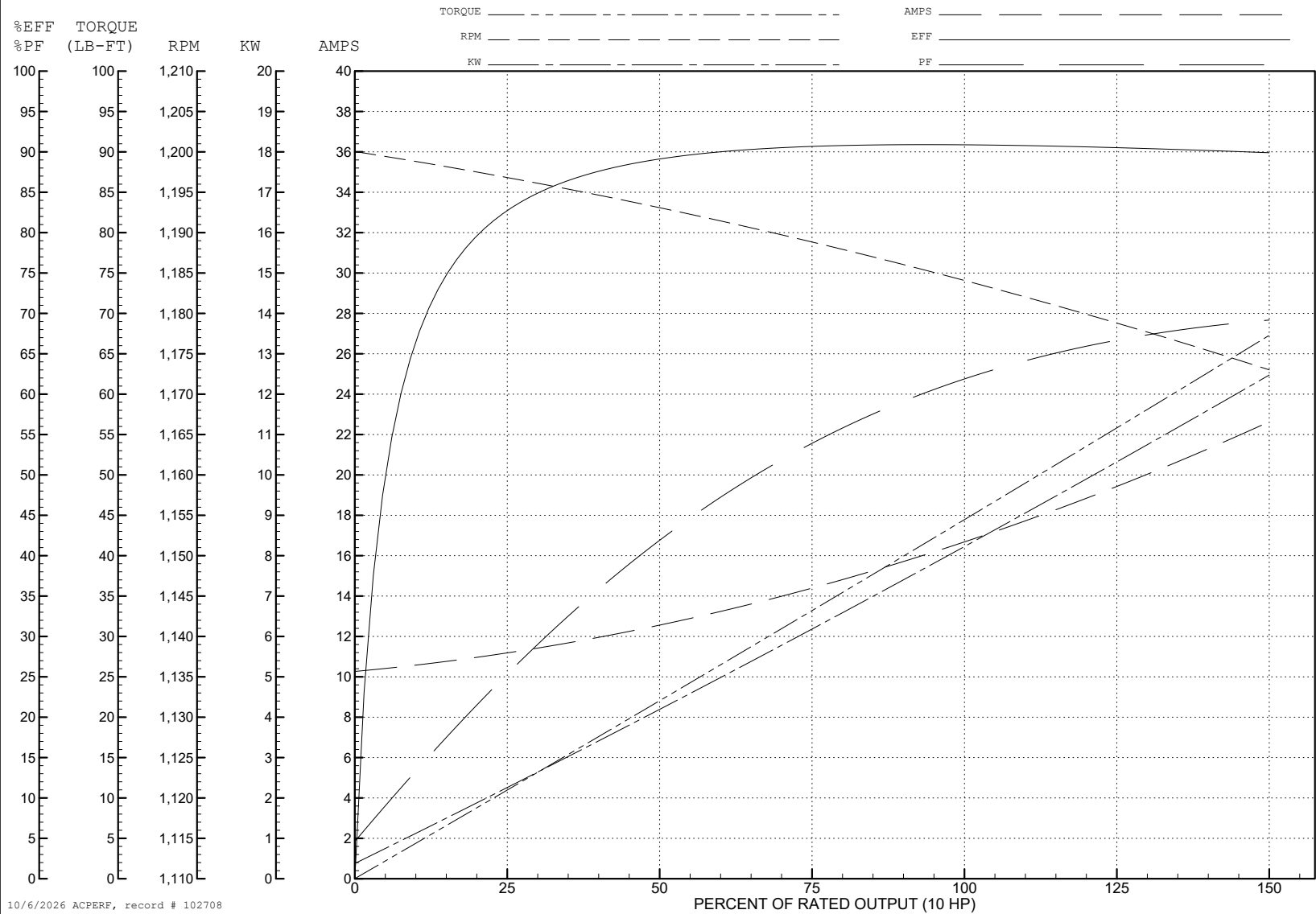
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WINDING # 09WGZ739

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1184 RPM 460 V 0960M

TORQUES (LB-FT): PO=181 PU=72.2 LR=92.1 LRA=121



AC Induction Motor Performance Data

Record # 102709

Typical performance - not guaranteed values

Winding: 09WGZ739-R010				Type: 0960M		Enclosure: TEFC	
Nameplate Data				380 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		10HP//7.5KW		Full Load Torque		53.56 LB-FT	
Volts		208-230/460//190/380		Start Configuration		direct on line	
Full Load Amps		32.4-33.6/16.8//38/19		Breakdown Torque		175 LB-FT	
R.P.M.		1180//980		Pull-up Torque		75.8 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque		96.6 LB-FT	
NEMA Design Code		A	KVA Code	L	Starting Current		118 A
Service Factor (S.F.)		1.15		No-load Current		10.16 A	
NEMA Nom. Eff.		91	Power Factor	61	Line-line Res. @ 25°C		0.506 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		60°C	
S.F. Amps		36/18//42/21		Temp. Rise @ S.F. Load		75°C	
				Locked-rotor Power Factor		28.3	
				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	30	49	61	67	71	73	69
Efficiency	84.6	90.1	91	91	89.8	88.8	90.3
Speed	996	992	987	982	976	970	978
Line amperes	10.89	12.8	15.21	18.52	22.13	26.18	20.7

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WINDING # 09WGZ739

Typical performance - not guaranteed values.

10 HP 3 PH 50 HZ 982 RPM 380 V 0960M

TORQUES (LB-FT): PO=175 PU=75.8 LR=96.6 LRA=118

