

ABB BALDOR RELIANCE III

Customer information packet

GNEM2333T-G

15HP//11KW, 1770//1465 1/MINRPM, 3PH, 60//

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	15.000 HP @ 50 HZ 15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ 460.0 V @ 60 HZ 190.0 V @ 50 HZ
Agency Approvals	WEEE UR IE3 CSA CE
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	44.000 A @ 190.0 V 38.000 A @ 208.0 V 36.800 A @ 230.0 V 22.000 A @ 380.0 V

Part Detail

Revision	G
Type	AC
Mech. spec.	09J359
Base	
Status	PRD/A
Elec. spec.	09WGT342
Layout	09LYJ359
Eff. date	03-12-2026
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	04-12-2023

	18.400 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	18.4 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	J
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	0948M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.36 IN
Power Factor	85
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	1465 rpm
	1770 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.	GNEM2333T-G								
SPEC.	09J359T342G1								
HP	15HP//11KW						PH	3	
VOLTS	208-230/460//190/380								
AMPS	38-36.8/18.4//44/22								
R.P.M. (1/MIN)	1770//1465						WT.	130KG	KG
FRAME	254T		HZ	60//50			I.P.	44	
SER.F.	1.15	CODE	J	DES.	A	CLASS	H		
NOM.EFF.	92.4	% (100%)							
P.F.	85	IC411, 10:1 VT							
RATING	40C AMB-CONT				CC	010A			
DE	6309	ODE		6208					
ENCL	TEFC	SN							
	SFA 44-42/21//50/25								
	IE3-50HZ 93.3(75%),93.2(50%)								
	IE3-60HZ 93.4(75%),92.6(50%)								

AC Induction Motor Performance Data

Record # 99278

Typical performance - not guaranteed values

Winding: 09WGT342-R010		Type: 0948M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15	Full Load Torque	44.48 LB-FT
Volts	208-230/460//190/380	Start Configuration	direct on line
Full Load Amps	38-36.8/18.4//44/22	Breakdown Torque	173 LB-FT
R.P.M.	1770//1465	Pull-up Torque	87.8 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	101 LB-FT
NEMA Design Code	A KVA Code	Starting Current	147 A
Service Factor (S.F.)	1.15	No-load Current	8.39 A
NEMA Nom. Eff.	92.4 Power Factor	Line-line Res. @ 25°C	0.5252 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	45°C
S.F. Amps	44-42/21//50/25	Temp. Rise @ S.F. Load	54°C
		Locked-rotor Power Factor	37.1
		Rotor inertia	2.1 lb-ft ²

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	65	76	82	85	86	84
Efficiency	88.4	92.6	93.4	93.4	92.9	92.2	93.1
Speed	1794	1787.2	1781.1	1773.7	1767.1	1760.1	1770
Line amperes	9.39	11.7	14.8	18.4	22.3	26.4	20.7

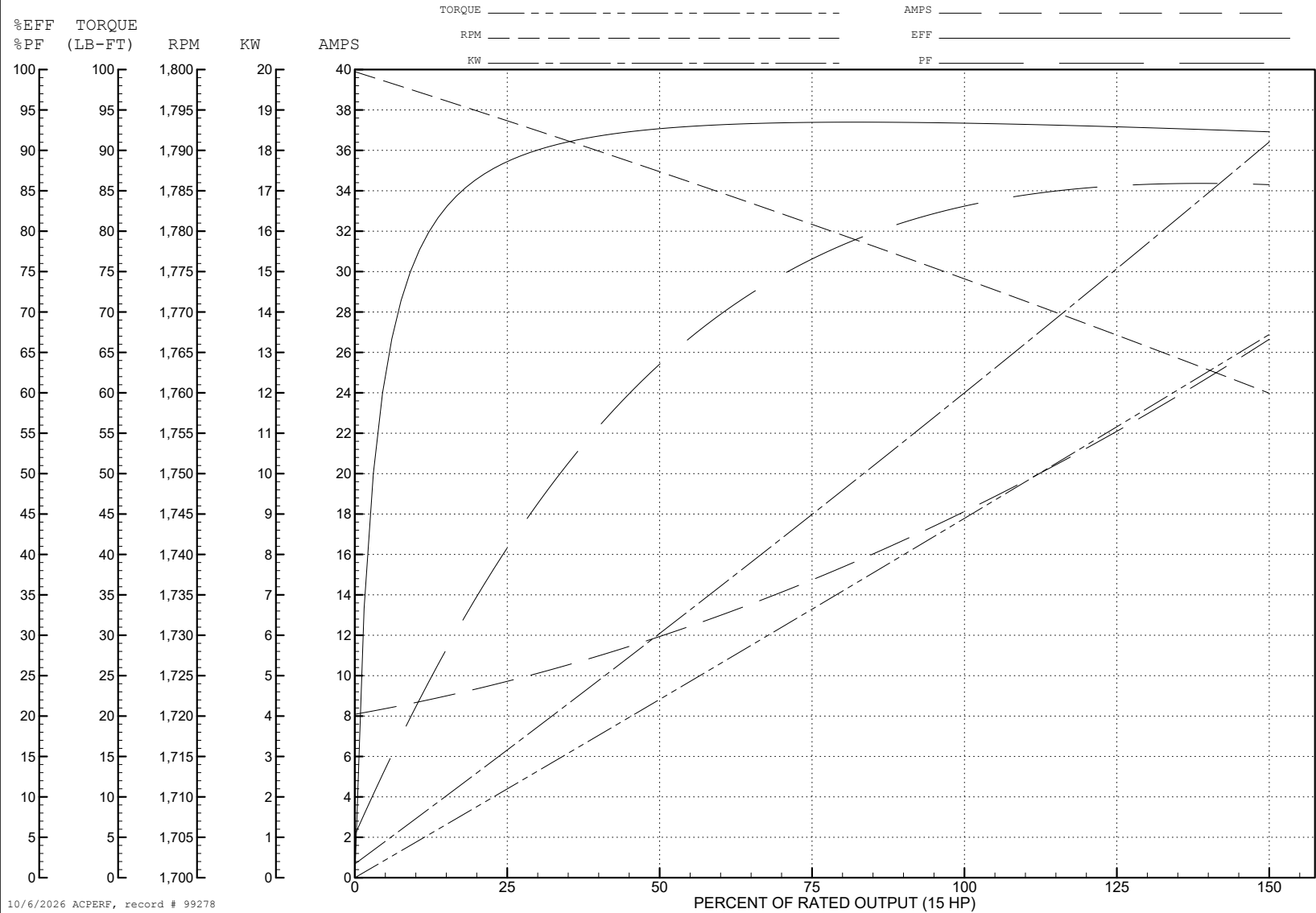
ABB Motors and Mechanical Inc.

WINDING # 09WGT342

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1773.7 RPM 460 V 0948M

TORQUES (LB-FT): PO=173 PU=87.8 LR=101 LRA=147



AC Induction Motor Performance Data

Record # 99279

Typical performance - not guaranteed values

Winding: 09WGT342-R010			Type: 0948M		Enclosure: TEFC			
Nameplate Data				380 V, 50 Hz: High Voltage Connection				
Rated Output (HP)		15		Full Load Torque		53.54 LB-FT		
Volts		208-230/460//190/380		Start Configuration		direct on line		
Full Load Amps		38-36.8/18.4//44/22		Breakdown Torque		169 LB-FT		
R.P.M.		1770//1465		Pull-up Torque		88.9 LB-FT		
Hz		60//50	Phase	3		Locked-rotor Torque	103 LB-FT	
NEMA Design Code		A		KVA Code		J	Starting Current	144 A
Service Factor (S.F.)		1.15		No-load Current		8.36 A		
NEMA Nom. Eff.		92.4	Power Factor		85		Line-line Res. @ 25°C	0.487 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		58°C		
S.F. Amps		44-42/21//50/25		Temp. Rise @ S.F. Load		73°C		
				Locked-rotor Power Factor		37.1		
				Rotor inertia		2.1 lb-ft²		

Load Characteristics 380 V, 50 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	71	81	85	87	87	84
Efficiency	90.4	93.2	93.3	92.6	91.5	90.2	93.1
Speed	1492	1484	1476	1467	1459	1448	1770
Line amperes	9.66	12.76	16.87	21.62	26.63	32.27	20.7

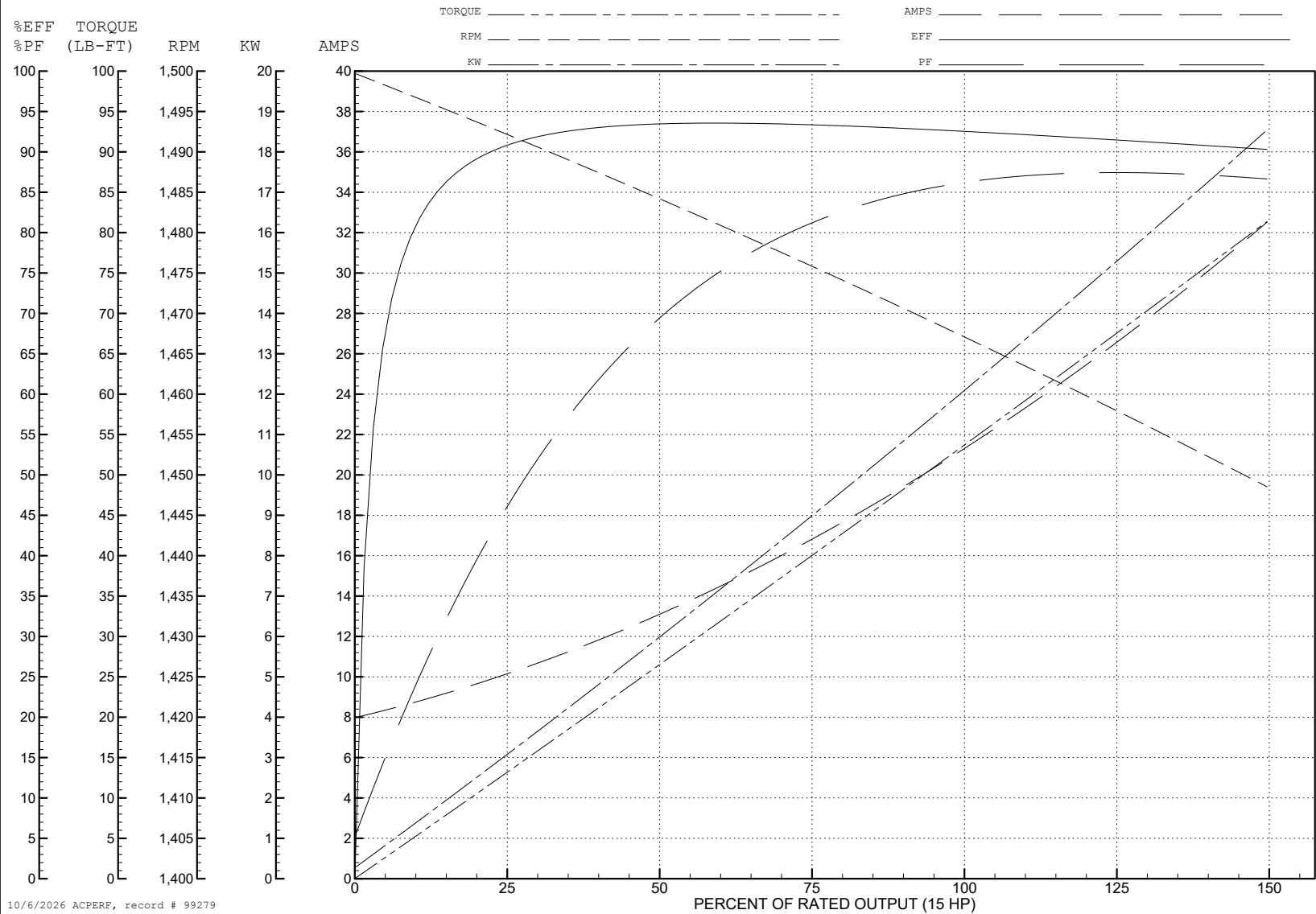
ABB Motors and Mechanical Inc.

WINDING # 09WGT342

Typical performance - not guaranteed values.

15 HP 3 PH 50 HZ 1467 RPM 380 V 0948M

TORQUES (LB-FT): PO=169 PU=88.9 LR=103 LRA=144



10/6/2026 ACPERF, record # 99279

