

ABB BALDOR RELIANCE III

Customer information packet

GNEM2333T

15HP//11KW, 1770//1465 1/MINRPM, 3PH, 60//5

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 @ 60 HZ 11.000 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	WEEE UKCA NEMA PREMIUM (OLD LOGO) NEMA PREMIUM IE3 CURUSEEV 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

Part Detail

Revision	E
Type	AC
Mech. spec.	09P11
Base	
Status	PRD/A
Elec. spec.	09WGT342
Layout	09LYP011
Eff. date	11-14-2023
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	04-12-2023

36.800 A @ 230.0 V

22.000 A @ 380.0 V

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	F
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	No 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								
SPEC.	09P011T342G1								
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	F		
NOM.EFF.	92.4//91.5		% (100%)						
P.F.	85	IC411, 10:1 VT							
RATING	40C AMB-S1 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 # 102734

Typical performance - not guaranteed values

Winding: 09WGT342-R009				Type: 0948M		Enclosure: TEFC	
Nameplate Data				380 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		15HP//11KW		Full Load Torque		54.01 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		170 LB-FT	
R.P.M.		1770//1465		Pull-up Torque		81.3 LB-FT	
Hz		60//50		Phase		3	
NEMA Design Code		A		KVA Code		J	
Service Factor (S.F.)		1.15		No-load Current		8.09 A	
NEMA Nom. Eff.		92.4		Power Factor		85	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		69°C	
S.F. Amps		44-42/21//50/25		Temp. Rise @ S.F. Load		79°C	
				Locked-rotor Power Factor		33.5	

Load Characteristics 380 V, 50 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	72	81	85	87	87	86
Efficiency	89.8	92.5	92.4	91.5	90.8	90.2	91.1
Speed	1491.6	1482.9	1473.9	1463.6	1457.2	1452.5	1460
Line amperes	9.63	12.9	17.1	21.9	24.9	27.1	23.7

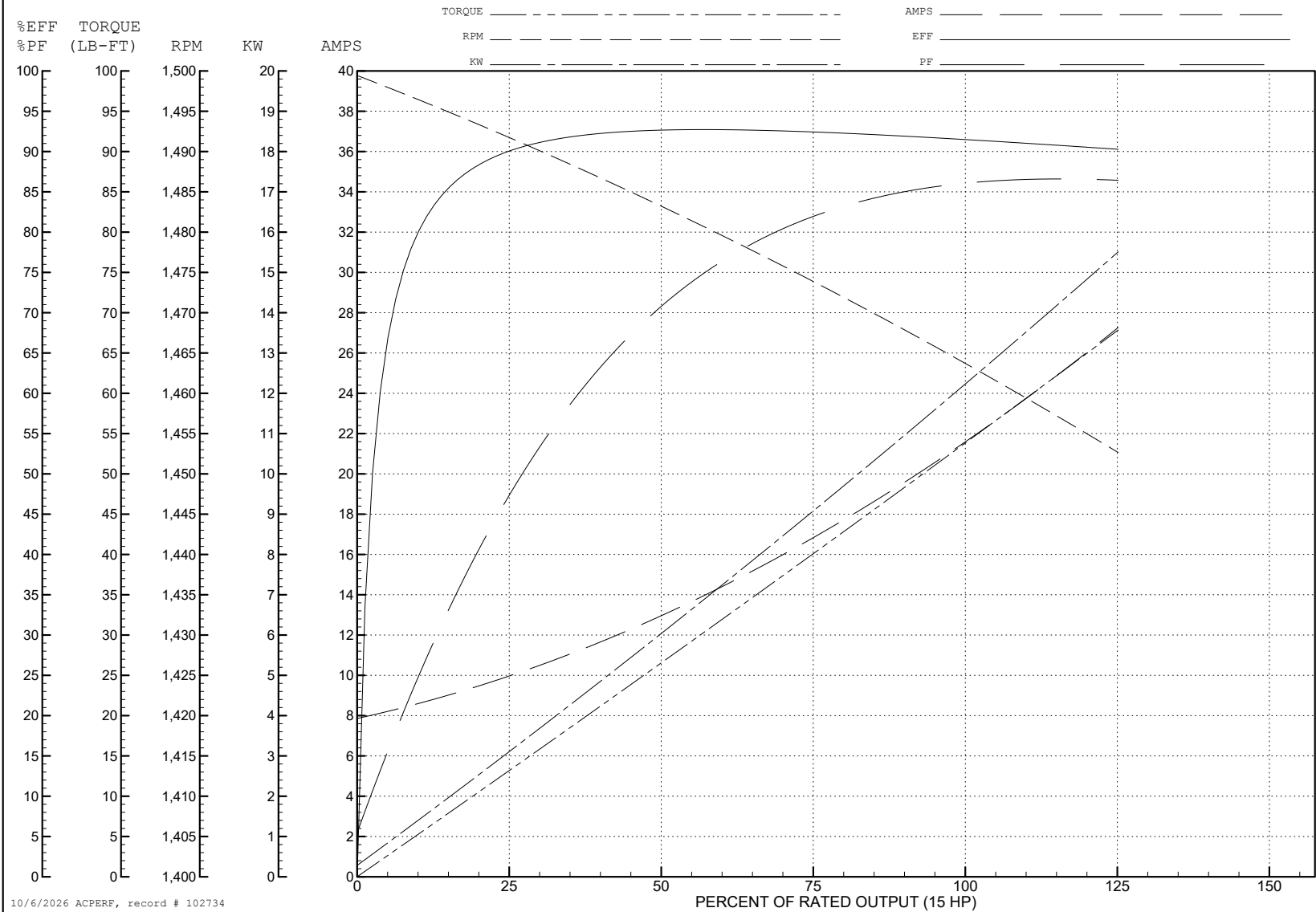
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WINDING # 09WGT342

Typical performance - not guaranteed values.

15 HP 3 PH 50 HZ 1463.6 RPM 380 V 0948M

TORQUES (LB-FT): PO=170 PU=81.3 LR=99.8 LRA=140



AC Induction Motor Performance Data

Record # 102737

Typical performance - not guaranteed values

Winding: 09WGT342-R009			Type: 0948M		Enclosure: TEFC		
Nameplate Data					460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		15HP//11KW		Full Load Torque		44.51 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		177 LB-FT	
R.P.M.		1770//1465		Pull-up Torque		85.8 LB-FT	
Hz		60//50	Phase	3	Locked-rotor Torque		87.4 LB-FT
NEMA Design Code		A	KVA Code	J	Starting Current		145 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		0.52861 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		50°C	
S.F. Amps		44-42/21//50/25		Temp. Rise @ S.F. Load		60°C	
					Locked-rotor Power Factor		33.5

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	92.3	93.1	93.1	92.6	91.8	92.8
Speed	1794.1	1787.4	1780.5	1773.7	1766.8	1758.8	1770
Line amperes	9.39	11.7	14.8	18.4	22.3	26.6	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=177 PU=85.8 LR=87.4 LRA=145

