



Customer information packet

GNEM3215T

2HP, 1170//965RPM, 3PH, 60//50HZ, 184T, 3636M

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	184T
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	2.000 HP @ 60 HZ 2.000 HP @ 50 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	7.800 A @ 190.0 V 6.800 A @ 230.0 V 6.800 A @ 208.0 V 3.900 A @ 380.0 V

Part detail

Revision	A
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGS947
Layout	36LYG548
Eff. date	05-09-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	09-01-2023

3.400 A @ 460.0 V

Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.4 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3636M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.50 IN
Power Factor	63
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	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Speed	1170 rpm
	965 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.	GNEM3215T								
SPEC.	36G548S947G2								
HP	2					PH	3		
VOLTS	208-230/460//190/380								
AMPS	6.8/3.4//7.8/3.9								
R.P.M. (1/MIN)	1170//965					WT.	36KG		KG
FRAME	184T		HZ	60//50			I.P.	22	
SER.F.	1.15	CODE	L	DES.	B	CLASS	F		
NOM.EFF.	87.5//82.5		% (100%)						
P.F.	63	IC01, 10:1 VT							
RATING	40C AMB-S1 CONT				CC	010A			
DE	6206		ODE	6205					
ENCL	OPSB	SN							
	SFA 7.6/3.8//8.6/4.3								
	IE3-50HZ-86.9(75%),85.2(50%)								
	IE3-60HZ-87.6(75%),85.5(50%)								

AC Induction Motor Performance Data

Record # 101053

Typical performance - not guaranteed values

Winding: 36WGS947-R010		Type: 3636M	Enclosure: OPSB			
Nameplate Data		460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)	2	Full Load Torque	9.01 LB-FT			
Volts	208-230/460//190/380	Start Configuration	direct on line			
Full Load Amps	6.8/3.4//7.8/3.9	Breakdown Torque	35.3 LB-FT			
R.P.M.	1170//965	Pull-up Torque	19.7 LB-FT			
Hz	60//50	Phase	3	Locked-rotor Torque	25.1 LB-FT	
NEMA Design Code	B	KVA Code	L	Starting Current	23.9 A	
Service Factor (S.F.)	1.15	No-load Current	2.26 A			
NEMA Nom. Eff.	87.5	Power Factor	63	Line-line Res. @ 25°C	4.9075 Ω	
Rating - Duty	40C	AMB-CONT	Temp. Rise @ Rated Load			24°C
S.F. Amps	7.6/3.8//8.6/4.3	Temp. Rise @ S.F. Load			28°C	
		Locked-rotor Power Factor			29.9	
		Rotor inertia			0.338 lb-ft²	

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	62	68	72	66
Efficiency	77.9	85.5	87.6	88	87.6	86.8	87.8
Speed	1193.3	1187	1180.2	1173.2	1165.2	1155.9	1168
Line amperes	2.37	2.62	2.99	3.43	3.96	4.54	3.75

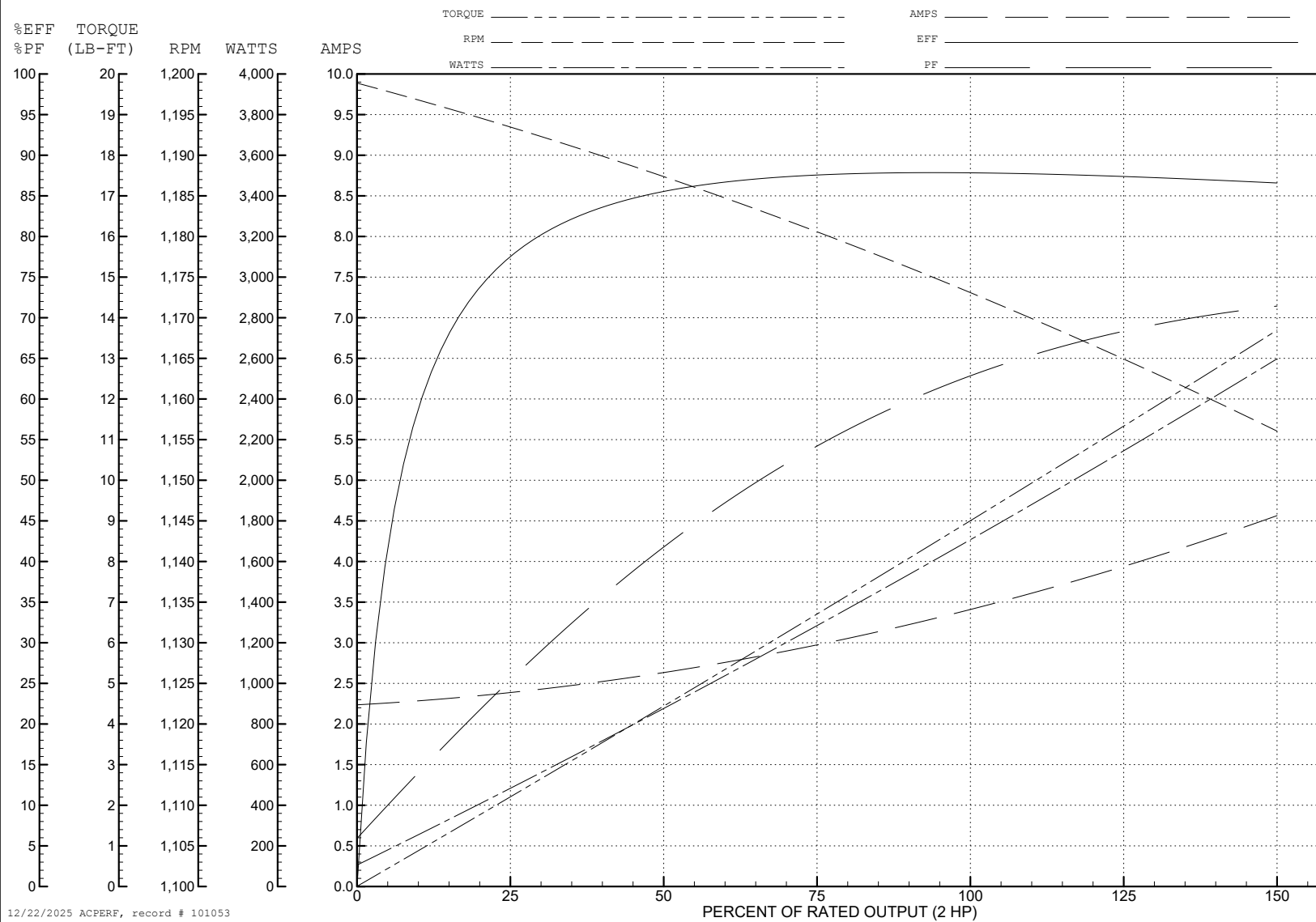
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WINDING # 36WGS947

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1173.2 RPM 460 V 3636M

TORQUES (LB-FT): PO=35.3 PU=19.7 LR=25.1 LRA=23.9



AC Induction Motor Performance Data

Record # 101054

Typical performance - not guaranteed values

Winding: 36WGS947-R010		Type: 3636M	Enclosure: OPSB	
Nameplate Data		380 V, 50 Hz: High Voltage Connection		
Rated Output (HP)	2	Full Load Torque	10.87 lb-ft	
Volts	208-230/460//190/380	Start Configuration	direct on line	
Full Load Amps	6.8/3.4//7.8/3.9	Breakdown Torque	24.9 lb-ft	
R.P.M.	1170//965	Pull-up Torque	19.7 lb-ft	
Hz	60//50 Phase	Locked-rotor Torque	11.4 lb-ft	
NEMA Design Code	B KVA Code	Starting Current	14.1 A	
Service Factor (S.F.)	1.15	No-load Current	2.19 A	
NEMA Nom. Eff.	87.5 Power Factor	Line-line Res. @ 25°C	4.71 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	24°C	
S.F. Amps	7.6/3.8//8.6/4.3	Temp. Rise @ S.F. Load	29°C	
		Locked-rotor Power Factor	33.7	
		Rotor inertia	0.338 LB-FT2	

Load Characteristics 380 V, 50 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	64	71	75	77	73
Efficiency	78	85.2	86.9	86.8	85.9	84.3	86.3
Speed	992	985	977	968	958	946	962
Line amperes	2.31	2.62	3.08	3.68	4.39	5.24	4.11

ABB Motors and Mechanical Inc.

WINDING # 36WGS947

Typical performance - not guaranteed values.

2 HP 3 PH 50 HZ 968 RPM 380 V 3636M

TORQUES(lb-ft): PO=24.9 PU=19.7 LR=11.4 LRA=14.1

