

ABB BALDOR RELIANCE III

Customer information packet

GNEM3667T

1.5HP//1.1KW, 1170//965RPM, 3PH, 60//50HZ, 1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
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	1.500 HP @ 60 HZ 1.100 KW @ 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	5.800 A @ 190.0 V 5.200 A @ 208.0 V 5.000 A @ 230.0 V

Part Detail

Revision	C
Type	AC
Mech. spec.	06C101
Base	
Status	PRD/A
Elec. spec.	06WGX900
Layout	06LYC101
Eff. date	08-05-2024
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	08-17-2023

	2.900 A @ 380.0 V
	2.500 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	2.5 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
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	0634M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.24 IN
Power Factor	65
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.	GNEM3667T								
SPEC.	06C101X900G1								
HP	1.5HP//1.1KW						PH	3	
VOLTS	208-230/460//190/380								
AMPS	5.2-5/2.5//5.8/2.9								
R.P.M. (1/MIN)	1170//965						WT.	48	KG
FRAME	182T		HZ		60//50		I.P.	44	
SER.F.	1.15	CODE	K	DES.	B	CLASS	F		
NOM.EFF.	87.5//81.1		% (100%)						
P.F.	65	IC411, 10:1 VT							
RATING	40C AMB-S1 CONT				CC	010A			
DE	6206		ODE	6205					
ENCL	TEFC	SN							
	SFA 5.8-5.6/2.8//6.4/3.2								
	IE3-50HZ 87.0(75%), 86.0(50%)								
	IE3-60HZ 86.8(75%), 84.6(50%)								

AC Induction Motor Performance Data

Record # 101088

Typical performance - not guaranteed values

Winding: 06WGX900-R001			Type: 0634M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5HP//1.1KW		Full Load Torque		6.76 LB-FT	
Volts		208-230/460//190/380		Start Configuration		direct on line	
Full Load Amps		5.2-5/2.5//5.8/2.9		Breakdown Torque		24.8 LB-FT	
R.P.M.		1170//965		Pull-up Torque		12.8 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque		16.1 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		16.7 A
Service Factor (S.F.)		1.15		No-load Current		1.66 A	
NEMA Nom. Eff.		87.5	Power Factor	65	Line-line Res. @ 25°C		6.89 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		26°C	
S.F. Amps		5.8-5.6/2.8//6.4/3.2		Temp. Rise @ S.F. Load		30°C	
				Locked-rotor Power Factor		30.5	
				Rotor inertia		0.319 lb-ft²	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	44	56	64	69	73	67
Efficiency	76	84.6	86.8	87.6	87.2	86	87.4
Speed	1194	1188	1180	1173	1165	1155	1168
Line amperes	1.73	1.92	2.2	2.52	2.92	3.37	2.76

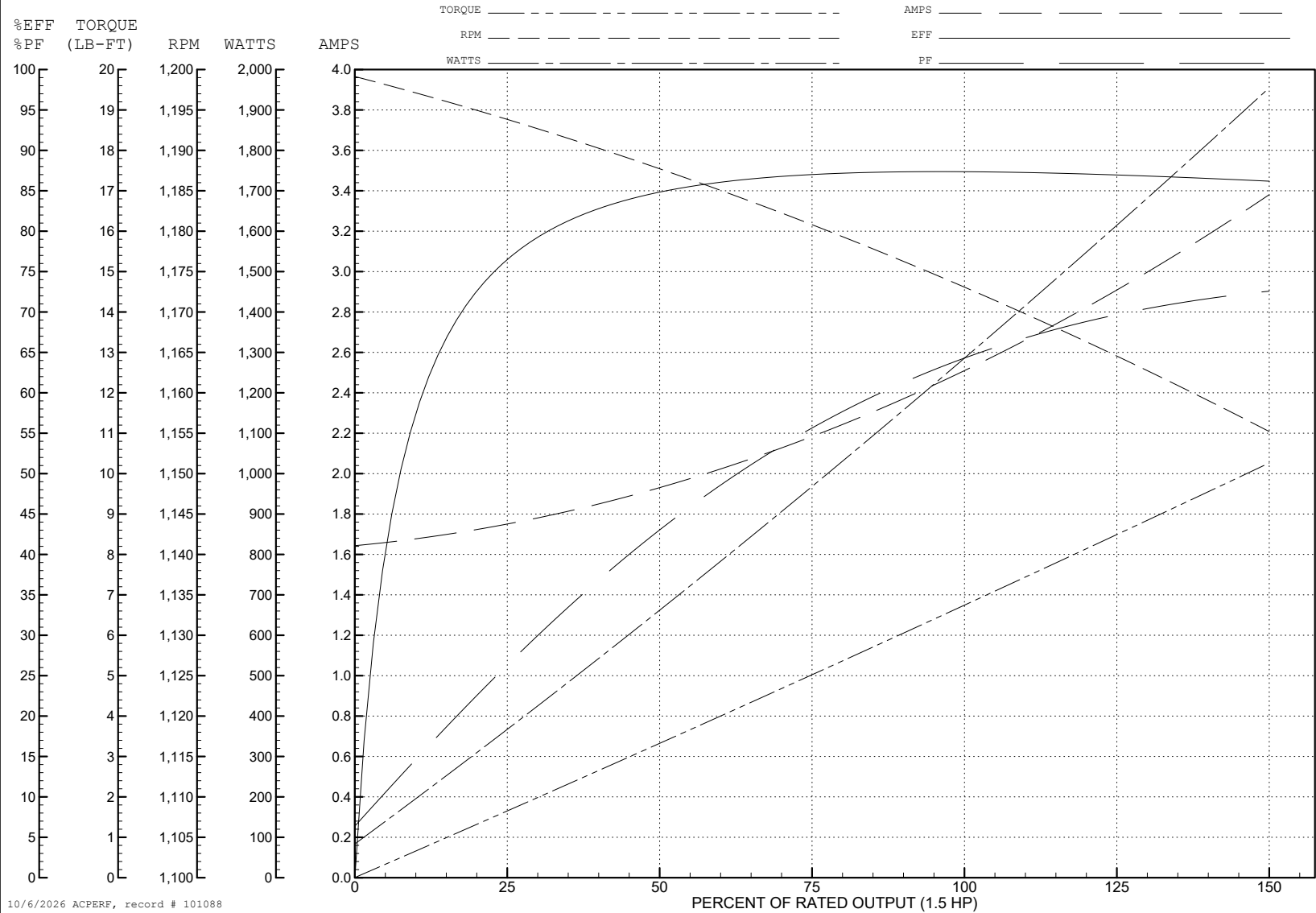
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WINDING # 06WGX900

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1173 RPM 460 V 0634M

TORQUES (LB-FT): PO=24.8 PU=12.8 LR=16.1 LRA=16.7



AC Induction Motor Performance Data

Record # 101089

Typical performance - not guaranteed values

Winding: 06WGX900-R001				Type: 0634M		Enclosure: TEFC	
Nameplate Data				380 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		1.5HP//1.1KW		Full Load Torque		8.2 LB-FT	
Volts		208-230/460//190/380		Start Configuration		direct on line	
Full Load Amps		5.2-5/2.5//5.8/2.9		Breakdown Torque		23.7 LB-FT	
R.P.M.		1170//965		Pull-up Torque		13.4 LB-FT	
Hz	60//50	Phase	3	Locked-rotor Torque		17 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		16.2 A
Service Factor (S.F.)		1.15		No-load Current		1.64 A	
NEMA Nom. Eff.		87.5	Power Factor	65	Line-line Res. @ 25°C		6.89 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		32°C	
S.F. Amps		5.8-5.6/2.8//6.4/3.2		Temp. Rise @ S.F. Load		39°C	
				Locked-rotor Power Factor		34.5	
				Rotor inertia		0.319 LB-FT2	

Load Characteristics 380 V, 50 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	50	62	69	73	75	71
Efficiency	79.1	86	87	86.6	85.2	82.7	85.8
Speed	993	985	976	966	955	941	959
Line amperes	1.73	2.01	2.4	2.86	3.44	4.12	3.21

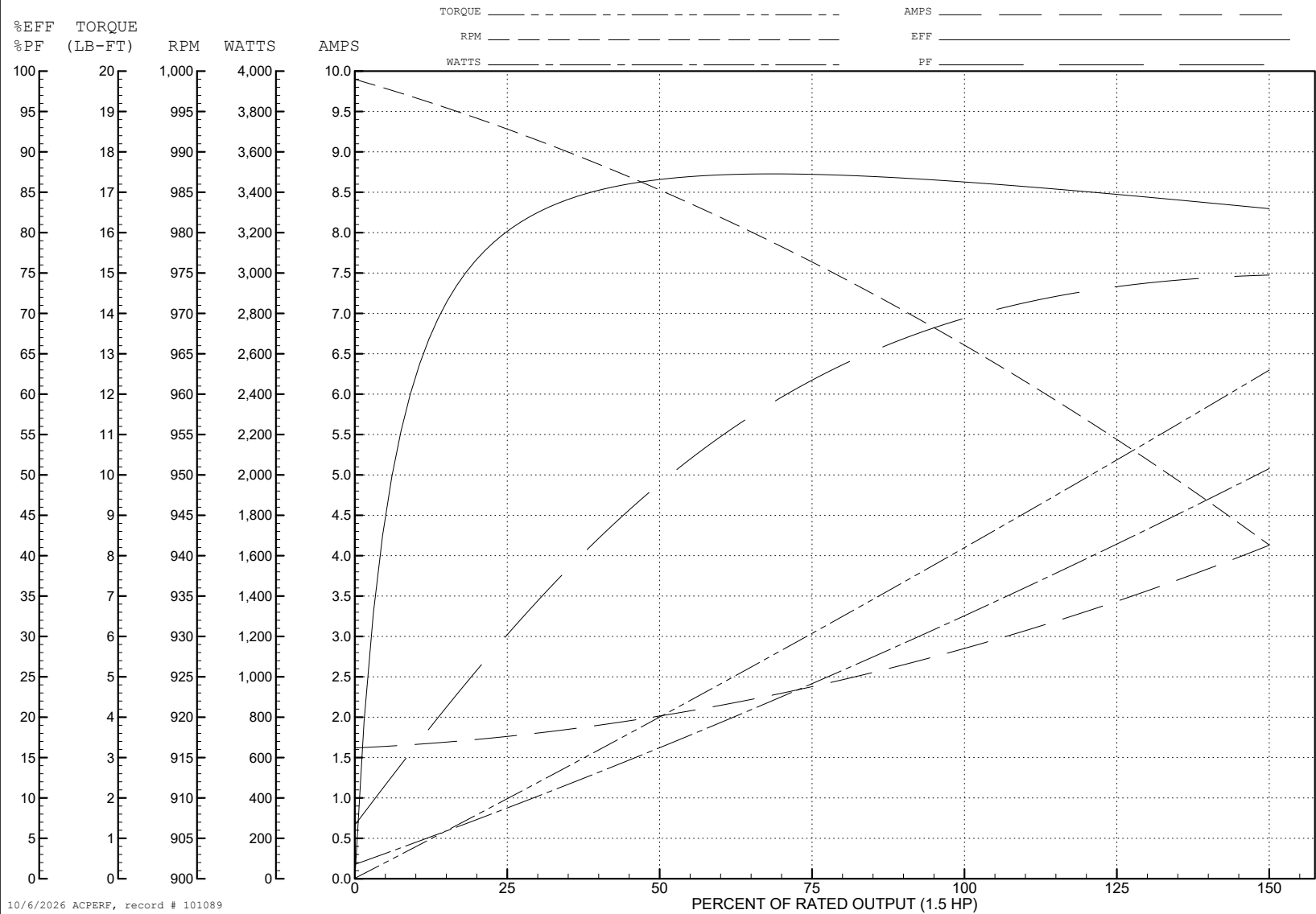
ABB Motors and Mechanical Inc.

WINDING # 06WGX900

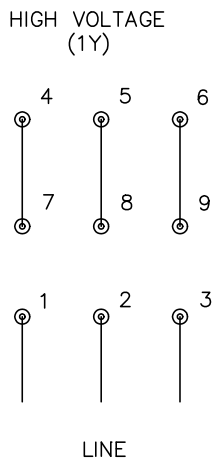
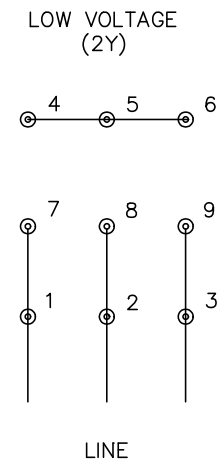
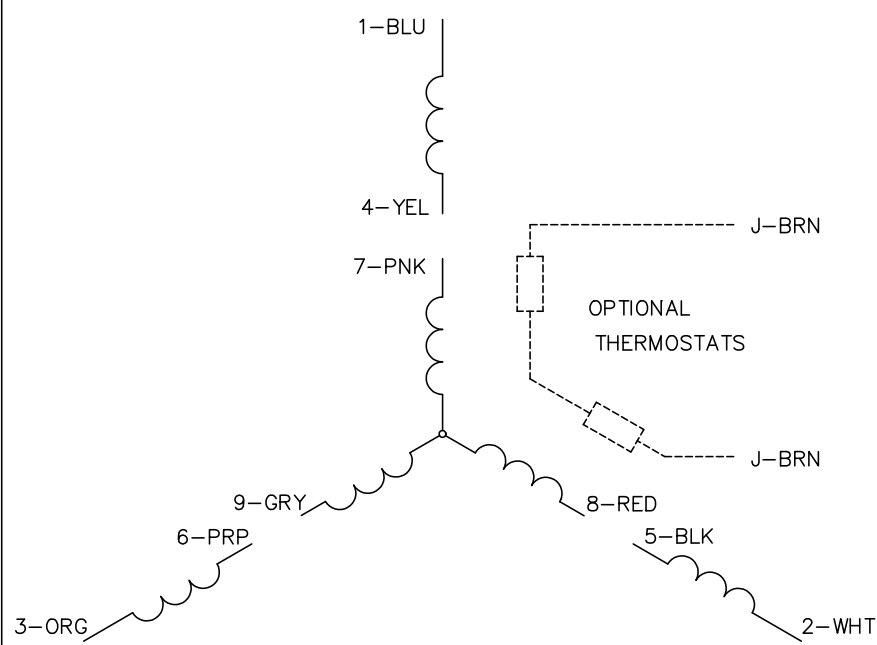
Typical performance - not guaranteed values.

1.5 HP 3 PH 50 HZ 966 RPM 380 V 0634M

TORQUES (LB-FT): PO=23.7 PU=13.4 LR=17 LRA=16.2



CD0005



- 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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
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S00000		FILE: AAA00005140	MDL: -
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BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005