

ABB BALDOR RELIANCE III

Customer information packet

CEM3607T-G

1.5HP, 1165RPM, 3PH, 60HZ, 182TC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Steel
Frequency	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
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV NEMA PREMIUM UR
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	4.800 A @ 230.0 V 2.400 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
Heater Indicator	No Heater
High Voltage Full Load Amps	2.4 a

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGS916
Layout	36LYN147
Eff. date	01-02-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	12-16-2019

Insulation Class	H
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3632M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.55 IN
Power Factor	67
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1165 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

NP3441LUA									
CAT.NO.	CEM3607T-G								
SPEC	36-0000-0251								
HP	1.5								
VOLTS	230/460								
AMPS	4.8/2.4								
RPM	1165								
FRAME	182TC		HZ	60			PH	3	
SF	1.15		CODE	K	DES	B	CLASS	H	
NEMA NOM. EFF	87.5		PF	67					
RATING	40C AMB-CONT								
CC	010A								
ENCL	TEFC		SER						
DE	6206		ODE	6205					
VPWM INVERTER READY									
CT6-60H(10:1)VT3-60H(20:1									
	50HZ 1.5HP 190/380V 4.8/2.4A							SF1.0	

AC Induction Motor Performance Data

Record # 38401

Typical performance - not guaranteed values

Winding: 36WGS916-R002			Type: 3632M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		6.86 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		4.8/2.4	Breakdown Torque		23.8 LB-FT		
R.P.M.		1165	Pull-up Torque		12.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15.3 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		15.8 A
Service Factor (S.F.)		1.15	No-load Current		1.47 A		
NEMA Nom. Eff.		87.5	Power Factor	67	Line-line Res. @ 25°C		7.3716 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		34°C
S.F. Amps					Temp. Rise @ S.F. Load		41°C
					Locked-rotor Power Factor		30
					Rotor inertia		0.301 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	48	59	67	71	74	69
Efficiency	79.1	86	87.5	87.5	86.5	85.2	86.9
Speed	1192.2	1184.8	1176.8	1168.1	1158.2	1147.5	1162
Line amperes	1.57	1.77	2.07	2.43	2.88	3.36	2.7

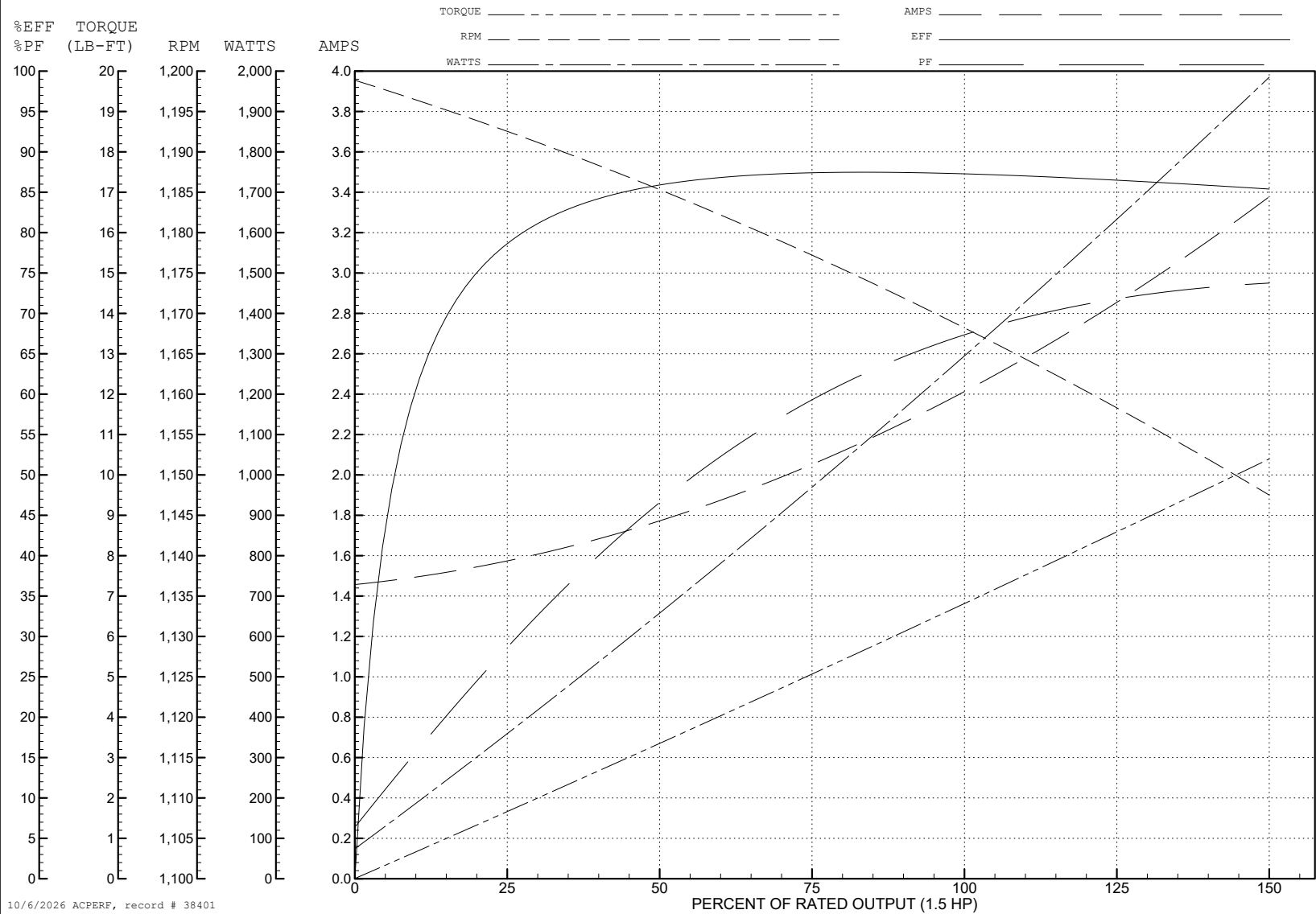
ABB Motors and Mechanical Inc.

WINDING # 36WGS916

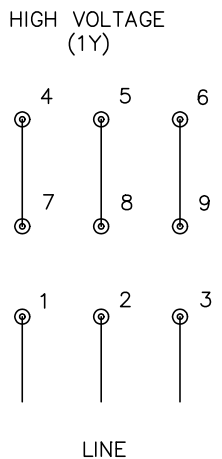
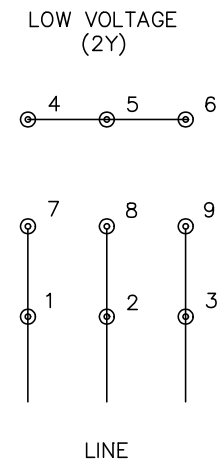
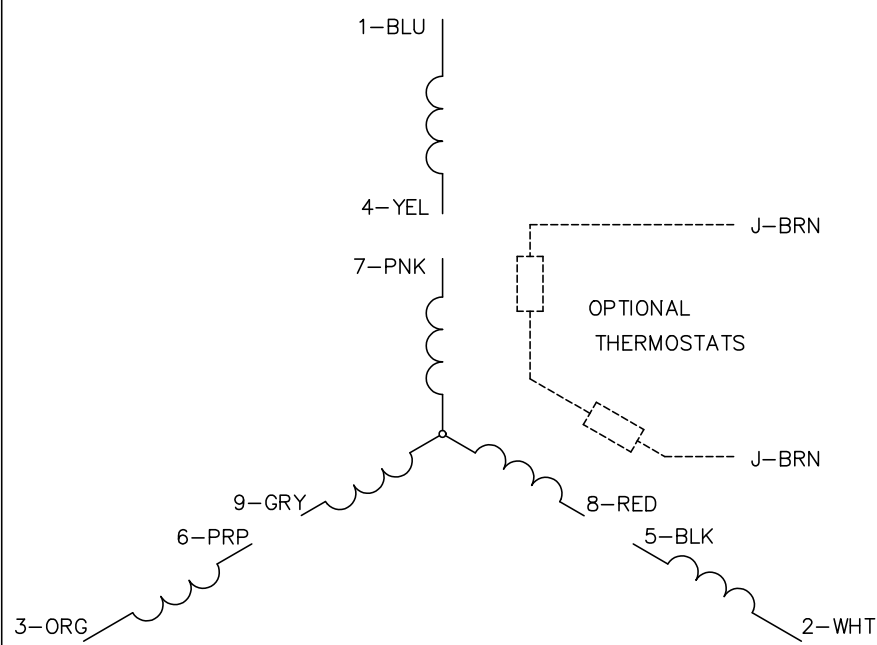
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1.5 HP 3 PH 60 HZ 1165 RPM 460 V 3632M

TORQUES (LB-FT): PO=23.8 PU=12.5 LR=15.3 LRA=15.8



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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005