

ABB BALDOR RELIANCE III

Customer information packet

VECP3667T

1.5HP, 1170RPM, 3PH, 60HZ, 182TC, 0630M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1.5
Current @ Voltage	5.000 A @ 230.0 V 5.200 A @ 208.0 V 2.500 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %

Part Detail

Revision	Q
Type	AC
Mech. spec.	06H480
Base	
Status	PRD/A
Elec. spec.	06WGW969
Layout	06LYH480
Eff. date	03-05-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	12-02-2010

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0630M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	16.98 IN
Power Factor	65
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1170 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

NP3257									
CAT.NO.	VECP3667T								
SPEC.	06H480W969G1								
HP	1.5 TE								
VOLTS	208-230/460								
AMP	5.2-5/2.5								
RPM	1170								
FRAME	182TC	HZ		60		PH		3	
SER.F.	1.15	CODE		K	DES		B	CL F	
RATING	40C AMB-CONT								
SN									
DE	6206	ODE		6206					
NEMA-NOM-EFF	87.5	PF		65					
G.MIN.EFF	87.5	CC		010A					
T. CODE	T3C	T=		160					

NP3260			
SPEC.	06H480W969G1		
D.E. BRG.	30BC02XP30X		
O.D.E. BRG.	30BC02XP30X		
GREASE	POLYREX EM		
RPM MAX	1800	MAX. KVAR	N/A
BLANK			
INV.TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.5	CT HZ TO	60
VT HZ FROM	0-	VT HZ TO	60
HTR-VOLTS		HTR-AMPS	
HTR-WATTS		MAX. SPACE HEATER TEMP.	

AC Induction Motor Performance Data

Record # 47055

Typical performance - not guaranteed values

Winding: 06WGW969-R015			Type: 0630M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		1.5	Full Load Torque		6.77 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		5.2-5/2.5	Breakdown Torque		24 LB-FT			
R.P.M.		1170	Pull-up Torque		12.5 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		15.8 LB-FT		
NEMA Design Code		B	KVA Code	K	Starting Current		16.19 A	
Service Factor (S.F.)		1.15	No-load Current		1.63 A			
NEMA Nom. Eff.		87.5	Power Factor		65	Line-line Res. @ 25°C		7.34 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		26°C	
S.F. Amps			Temp. Rise @ S.F. Load		32°C			

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	65	69	73	67
Efficiency	76.9	85	87.1	87.6	87	86	87.2
Speed	1193.7	1186.9	1179.4	1171.7	1163.1	1152.9	1167
Line amperes	1.7	1.9	2.18	2.51	2.92	3.38	2.76

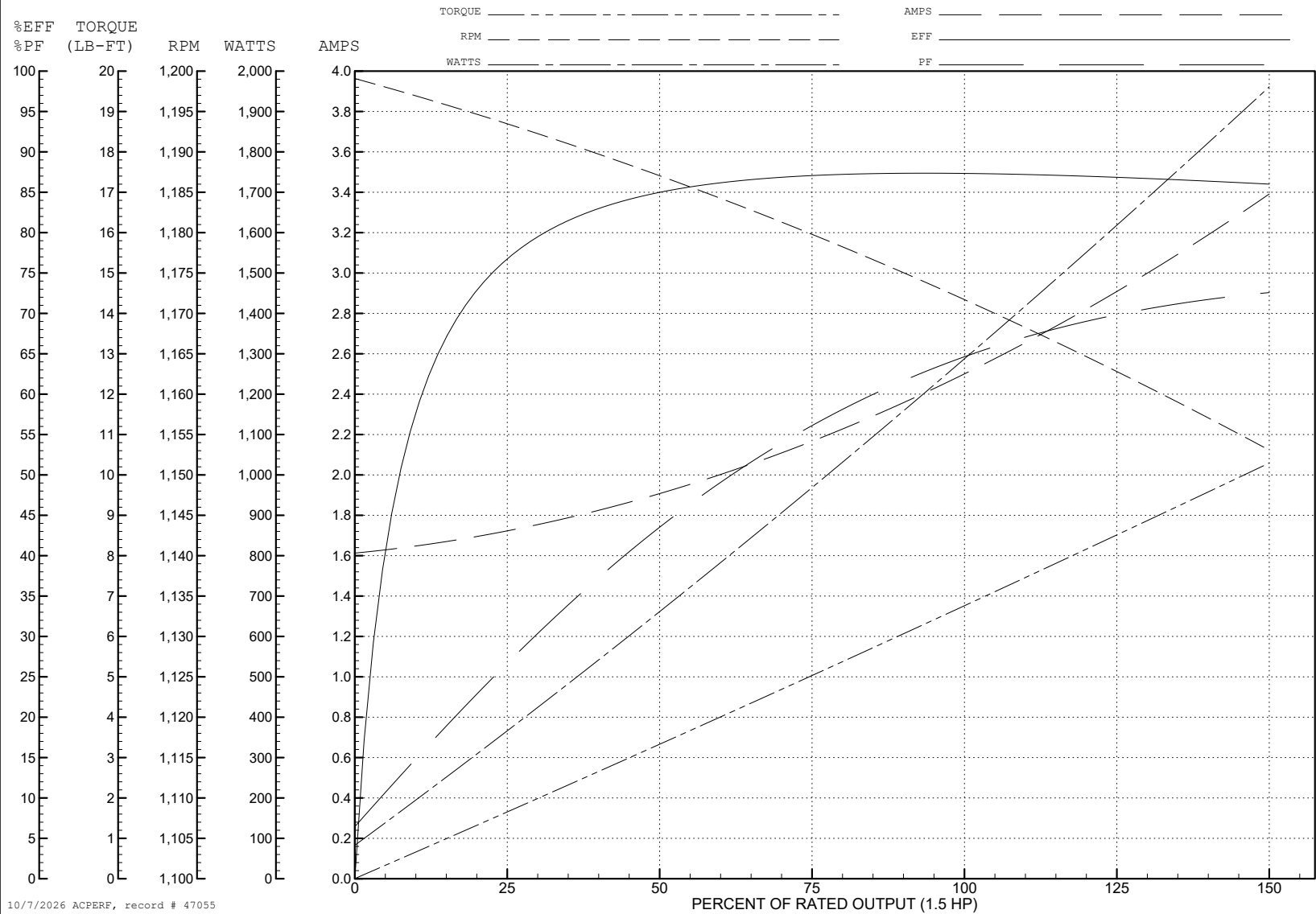
ABB Motors and Mechanical Inc.

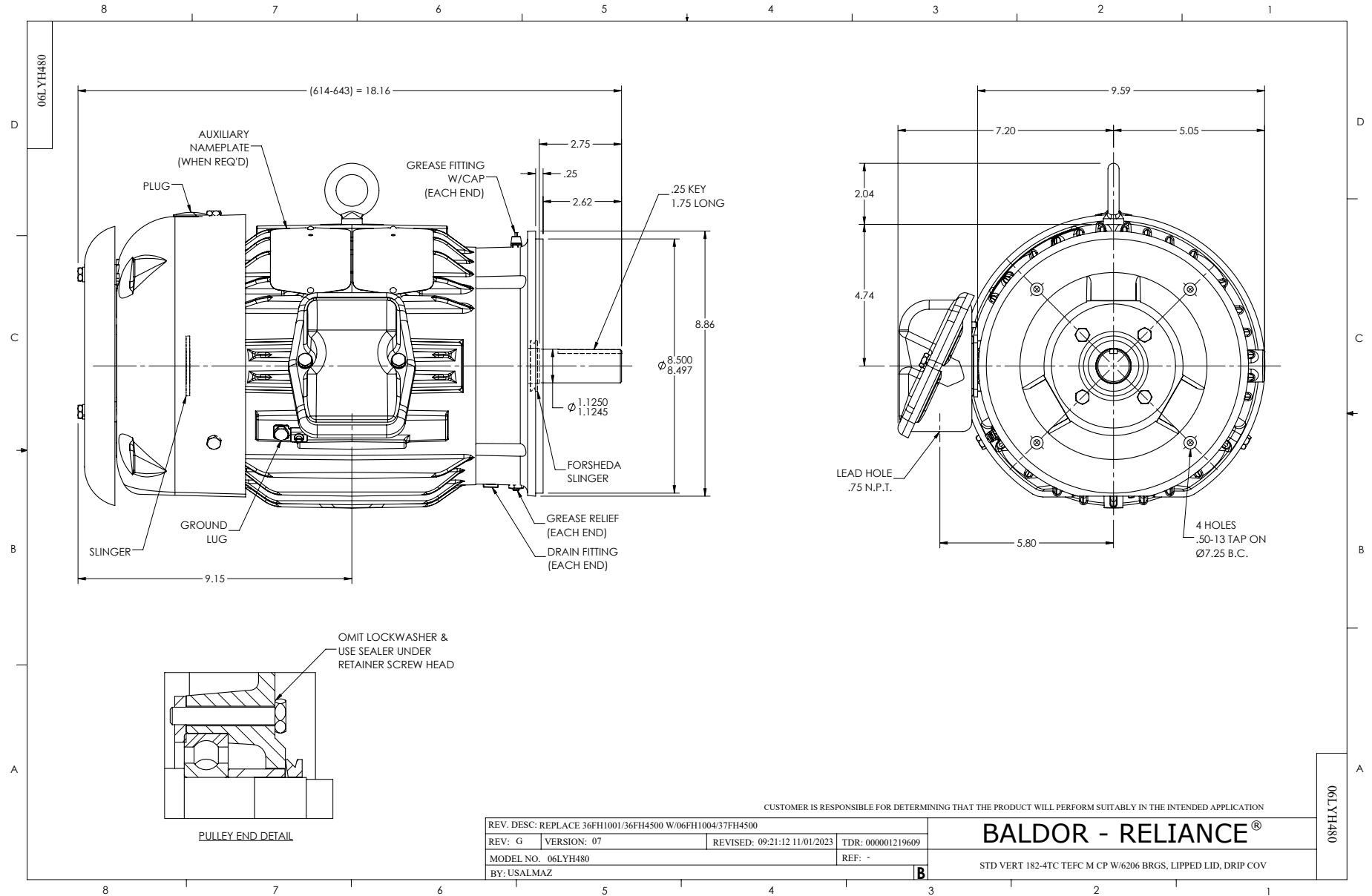
WINDING # 06WGW969

Typical performance - not guaranteed values.

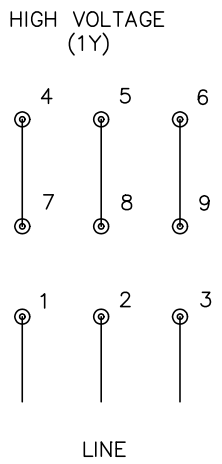
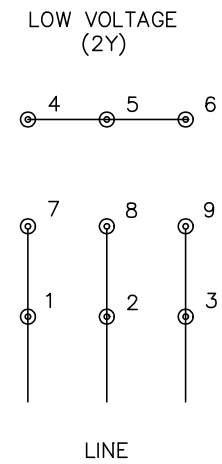
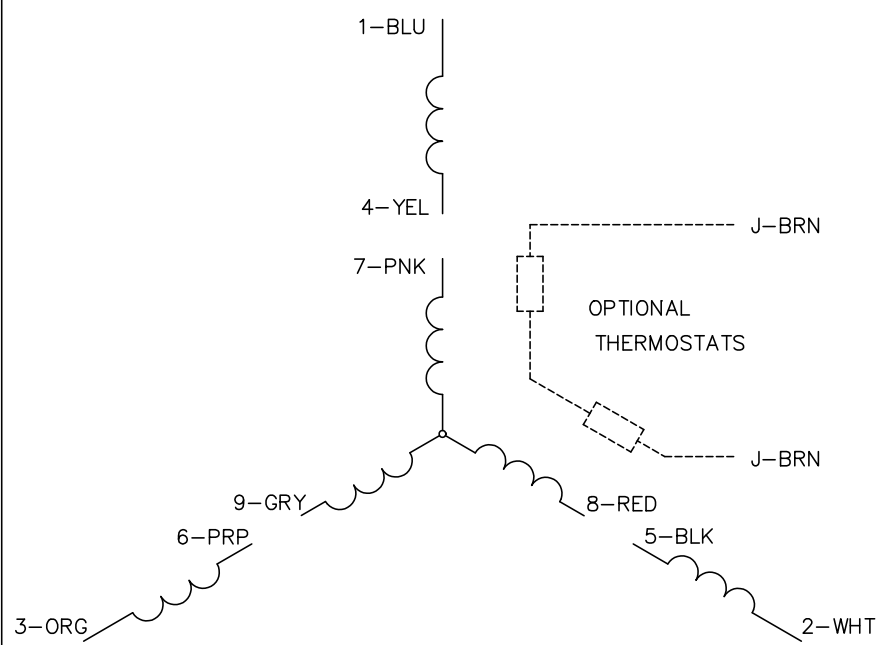
1.5 HP 3 PH 60 HZ 1170 RPM 460 V 0630M

TORQUES (LB-FT): PO=24 PU=12.5 LR=15.8 LRA=16.19





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
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005