

ABB BALDOR RELIANCE III

Customer information packet L1407

1HP, 1140RPM, 1PH, 60HZ, 184, 3628L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	8.400 A @ 208.0 V 8.000 A @ 230.0 V 16.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	65.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AC
Type	AC
Mech. spec.	36D011
Base	
Status	NLA/A
Elec. spec.	36WG0988
Layout	36LYD011
Eff. date	04-08-2016
CD Diagram	CD0001
Poles	06
Leads	6#16
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	8.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628L
Mounting Arrangement	F1
Number of Poles	6
Overall Length	14.13 IN
Power Factor	62
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1140 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

NP1256L									
CAT.NO.									
SPEC.	36D11-988								
HP	1								
VOLTS	115/230								
AMP	16/8								
RPM	1140								
FRAME	184		HZ	60			PH	1	
SER.F.	1.15		CODE	K	DES	L	CLASS	B	
NEMA-NOM-EFF	65		PF	62					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	OPEN		SN						

Accessories

Part number	Description	Multiplier
36-486	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 10497

Typical performance - not guaranteed values

Winding: 36WG0988-R001			Type: 3628L		Enclosure: OPEN			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		1	Full Load Torque		4.5 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		16/8	Breakdown Torque		11 LB-FT			
R.P.M.		1140	Pull-up Torque		10.5 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		12.8 LB-FT		
NEMA Design Code		L	KVA Code	K	Starting Current		39 A	
Service Factor (S.F.)		1.15		No-load Current		7.6 A		
NEMA Nom. Eff.		65	Power Factor		62	Line-line Res. @ 25°C		1.87 Ω A Ph 1.57 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		55°C		
S.F. Amps				Temp. Rise @ S.F. Load		61°C		

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	38	48	56	62	67	60
Efficiency	39	54	60	62	63	62	62.6
Speed	1188	1180	1169	1158	1144	1127	1150
Line amperes	7.7	8	8.5	9.3	10.1	11.4	9.78

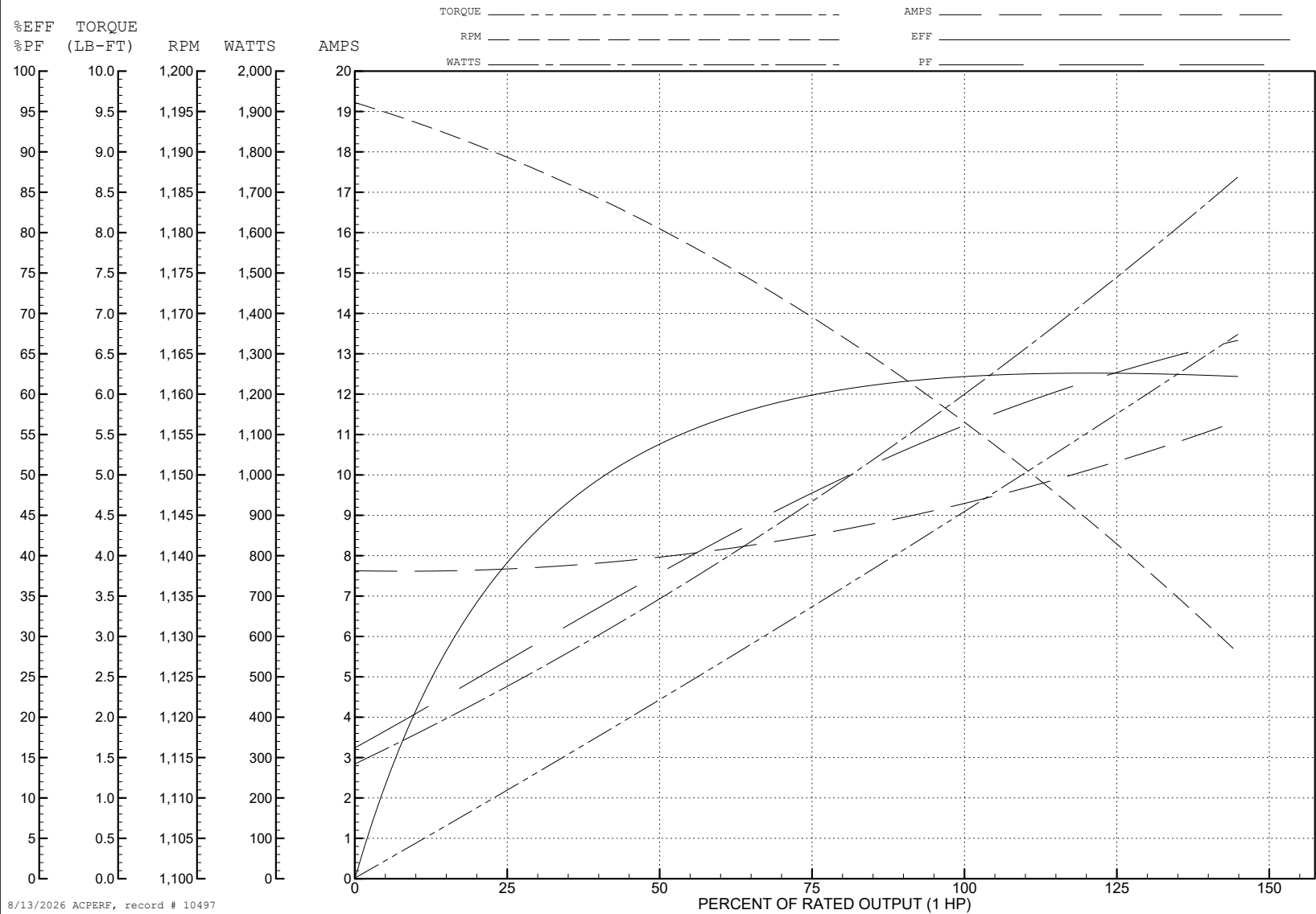
ABB Motors and Mechanical Inc.

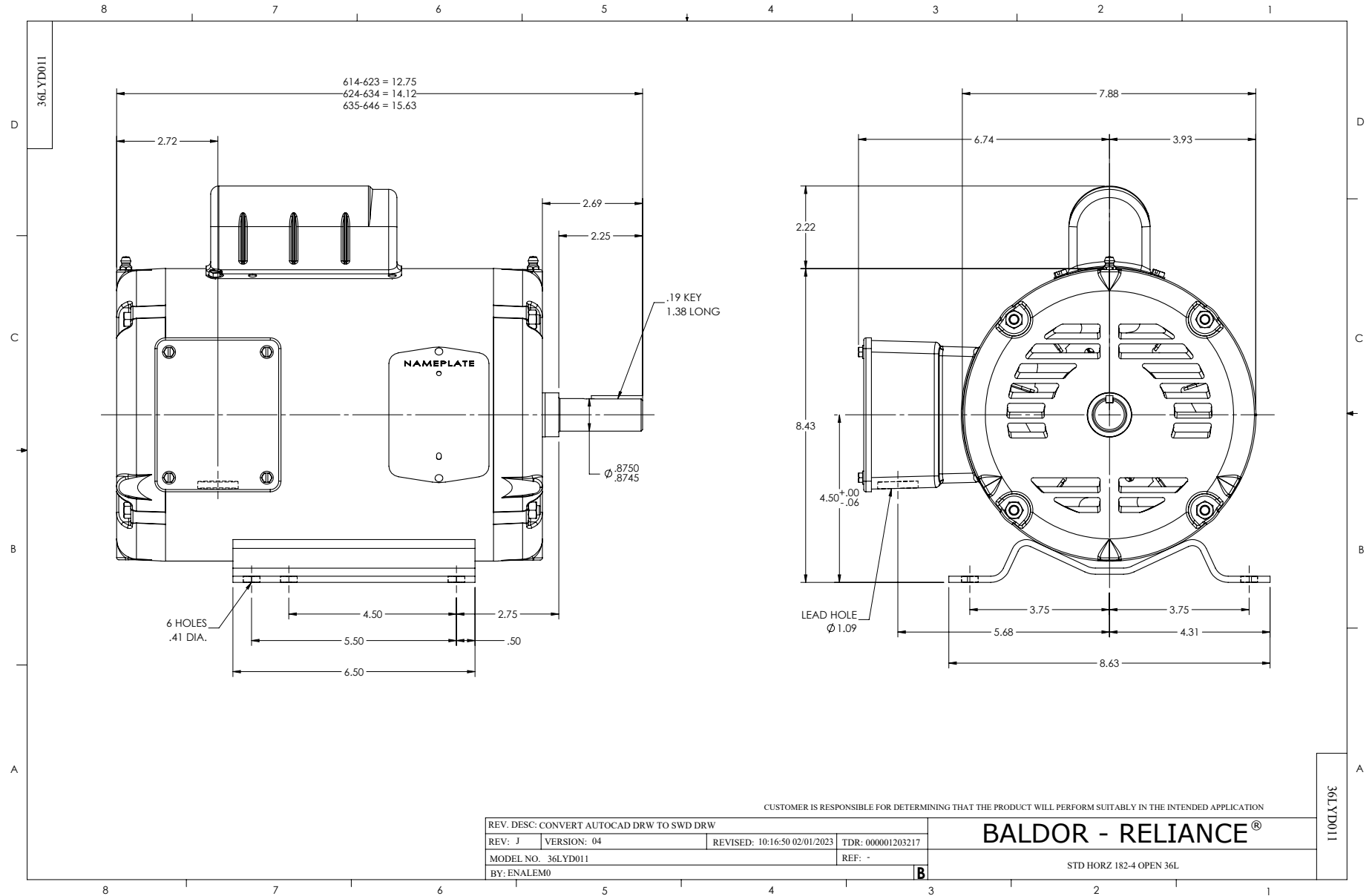
WINDING # 36WG0988

Typical performance - not guaranteed values.

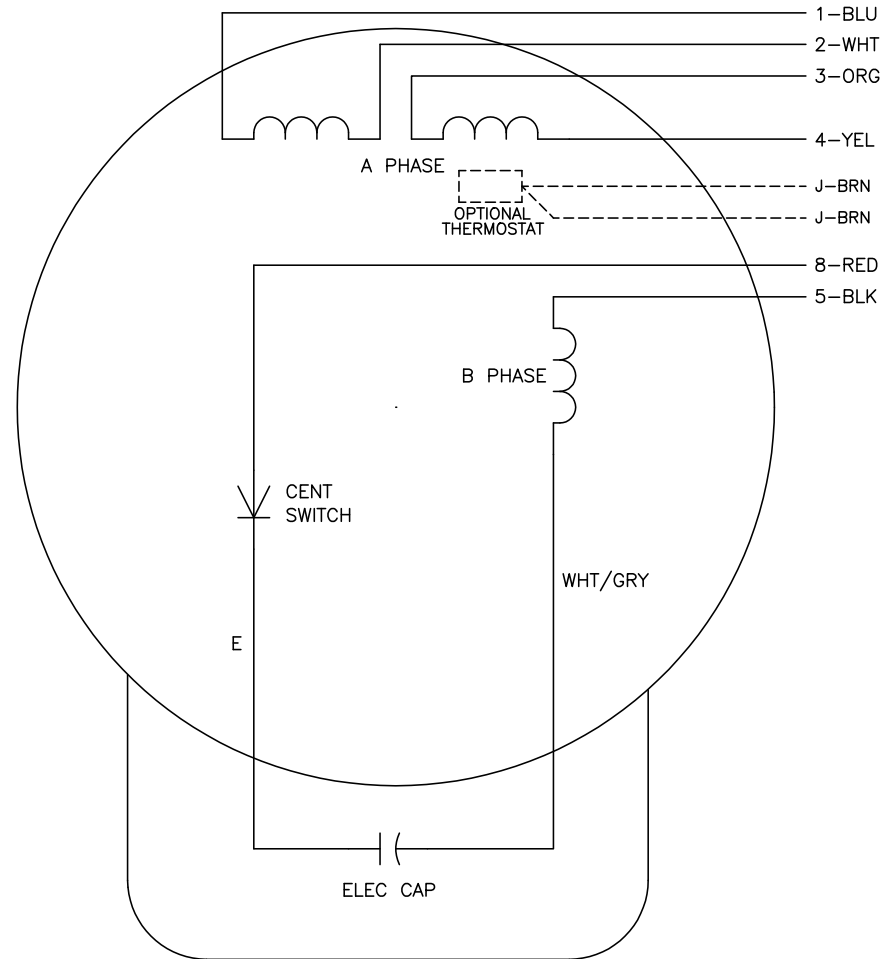
1 HP 1 PH 60 HZ 1140 RPM 230 V 3628L

TORQUES (LB-FT): PO=11 PU=10.5 LR=12.8 LRA=39





CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	—
LOW OPP	1,3,5	2,4,8	—

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D BY: JLP REVISED: 04/08/99 1:16 TDR: 0178636

100000

FILE: AAA00007405

MDL: —

MTL: —

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001