

ABB BALDOR RELIANCE III

Customer information packet

JPL1409T

5HP, 3500RPM, 1PH, 60HZ, 184, JP, 3634LC, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184JP
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	23.000 A @ 208.0 V 21.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	21.5 a
Insulation Class	F

Part Detail

Revision	U
Type	AC
Mech. spec.	36E774
Base	
Status	PRD/A
Elec. spec.	36WGW925
Layout	36LYE774
Eff. date	06-24-2026
CD Diagram	CD0017A02
Poles	02
Leads	2#12 A PH,2#16 B PH
Proprietary	False
Created date	11-10-2005

Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 12 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.57 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
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	Shaft Slinger
Speed	3500 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.	JPL1409T										
SPEC.	36E774W925G1										
HP	5										
VOLTS	230										
AMP	21.5										
RPM	3500										
FRAME	184JP			HZ	60				PH	1	
SER.F.	1.15		CODE	H	DES	L		CLASS		F	
NEMA-NOM-EFF	80		PF	96							
RATING	40C AMB-CONT										
CC											
DE	6207			ODE	6205						
ENCL	OPEN		SN								

AC Induction Motor Performance Data

Record # 65030

Typical performance - not guaranteed values

Winding: 36GW925-R001			Type: 3634LC		Enclosure: OPEN			
Nameplate Data			230 V, 60 Hz: Single Voltage Motor					
Rated Output (HP)		5	Full Load Torque		7.46 LB-FT			
Volts		230	Start Configuration		direct on line			
Full Load Amps		21.5	Breakdown Torque		23.85 LB-FT			
R.P.M.		3500	Pull-up Torque		12.02 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		12.02 LB-FT		
NEMA Design Code		L	KVA Code	H	Starting Current		154 A	
Service Factor (S.F.)		1.15	No-load Current		4.9 A			
NEMA Nom. Eff.		75	Power Factor		88	Line-line Res. @ 25°C		0.316 Ω A Ph 0.937 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		83°C		
S.F. Amps				Temp. Rise @ S.F. Load		96°C		
				Locked-rotor Power Factor		76.8		
				Rotor inertia		0.153 LB-FT2		

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	81	89	92	93	92	88	92
Efficiency	66.1	77.2	79.8	79.6	77.5	73.7	78.3
Speed	3574	3546	3515	3480	3434	3372	3452
Line amperes	7.76	11.85	16.56	21.72	27.7	35.76	25.3

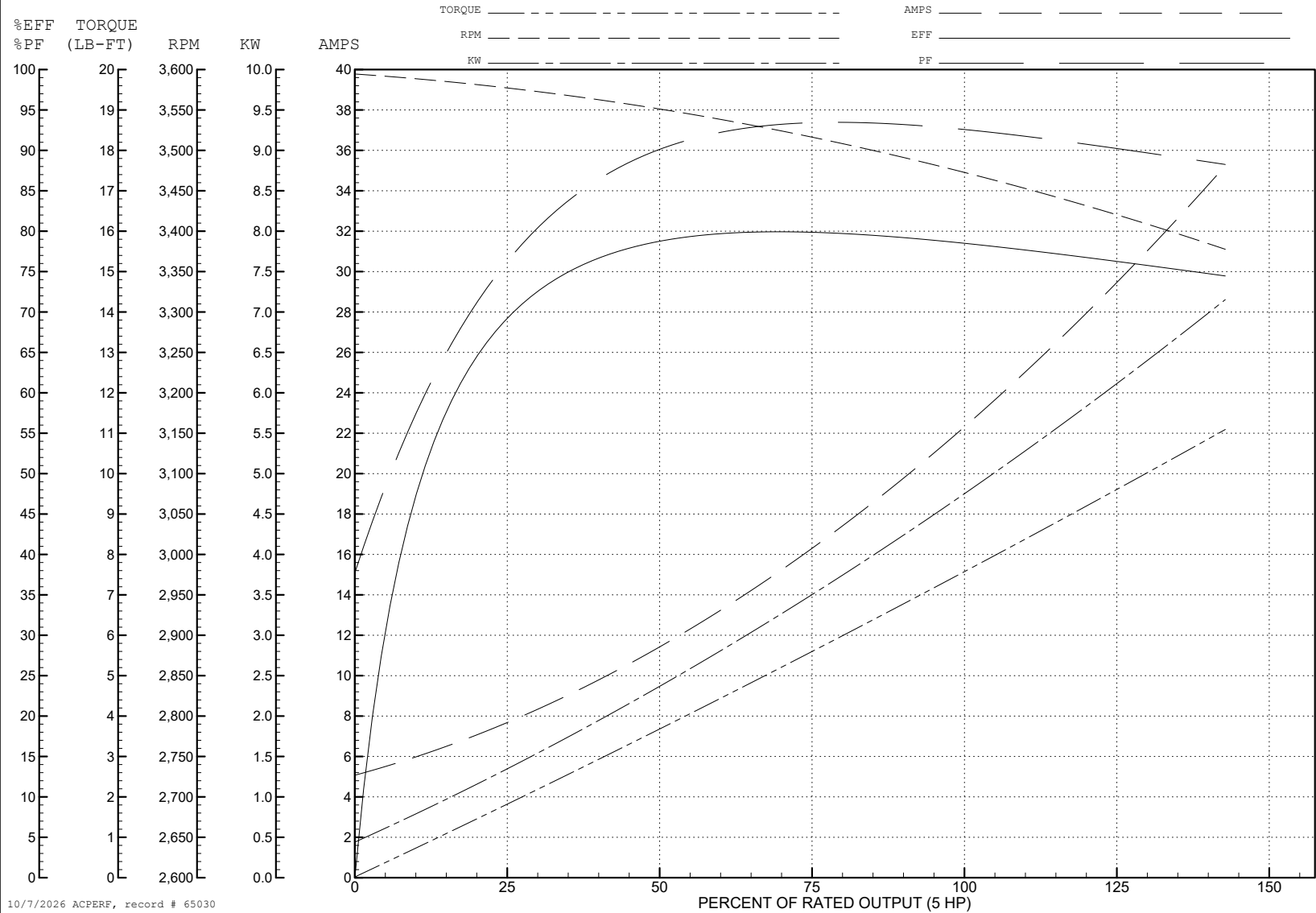
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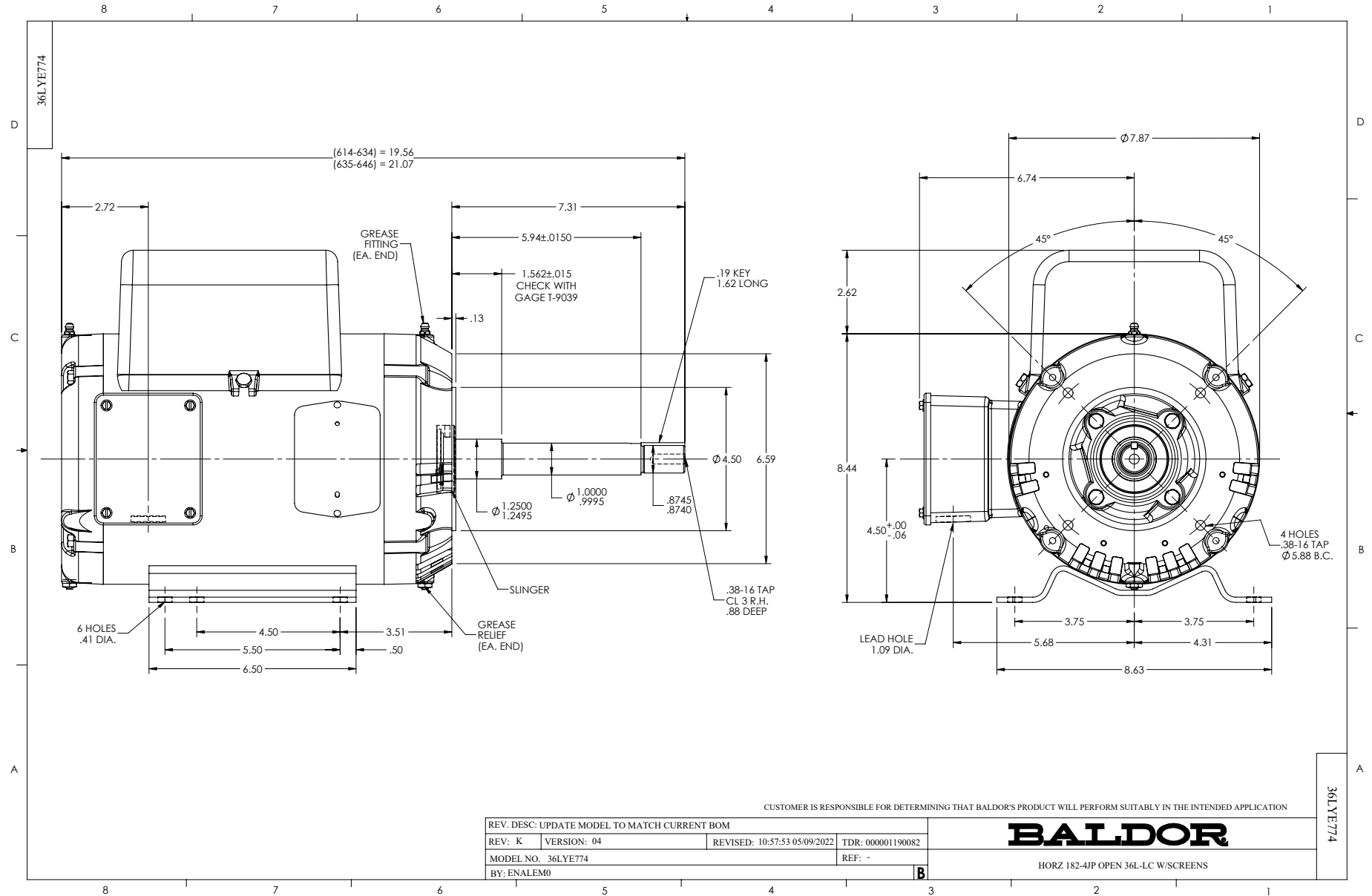
WINDING # 36GW925

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 3500 RPM 230 V 3634LC

TORQUES (LB-FT): PO=23.85 PU=12.02 LR=12.02 LRA=154





CD0017A02

