

ABB BALDOR RELIANCE III

Customer information packet

EL11204

.25HP, 1140RPM, 1PH, 60HZ, 48, 3416LC, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	48
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	.250 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	CURUSEEV
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	1.450 A @ 230.0 V 2.900 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	64.0 %
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	1.5 a
Insulation Class	F

Part Detail

Revision	K
Type	AC
Mech. spec.	34F351
Base	
Status	PRD/A
Elec. spec.	34WGR066
Layout	34LYF351
Eff. date	12-31-2024
CD Diagram	CD0055
Poles	06
Leads	6#18
Proprietary	False
Created date	03-10-2014

Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3416LC
Mounting Arrangement	F1
Number of Poles	6
Overall Length	9.76 IN
Power Factor	84
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	1.35
Shaft Diameter	0.500 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

NP3155L									
CAT.NO.	EL11204								
SPEC.	34F351R066G1								
HP	.25								
VOLTS	115/230								
AMP	2.9/1.45								
RPM	1140								
FRAME	48		HZ	60			PH	1	
SER.F.	1.35		CODE	J	DES	N	CL	F	
F.L. AVG. EFF.	64		PF	84					
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	OPEN		SN						
	SFA 3.7/1.85								

AC Induction Motor Performance Data

Record # 44923

Typical performance - not guaranteed values

Winding: 34WGR066-R002			Type: 3416LC		Enclosure: OPEN		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		.25	Full Load Torque		1.14 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		2.9/1.45	Breakdown Torque		2.4 LB-FT		
R.P.M.		1140	Pull-up Torque		2.67 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		4.23 LB-FT	
NEMA Design Code		N	KVA Code	J	Starting Current		16.5 A
Service Factor (S.F.)		1.35		No-load Current		1.98 A	
NEMA Nom. Eff.		64	Power Factor	84	Line-line Res. @ 25°C		3.8763 Ω A Ph 7.1352 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		48°C	
S.F. Amps		3.7/1.85		Temp. Rise @ S.F. Load		63°C	

Load Characteristics 115 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	61	73	80	85	88	89	88
Efficiency	33.6	51.9	61.3	65.6	66.9	65	66.1
Speed	1186.6	1176.1	1163.7	1149.1	1130.7	1104.8	1120
Line amperes	2.01	2.17	2.48	2.92	3.45	4.15	3.73

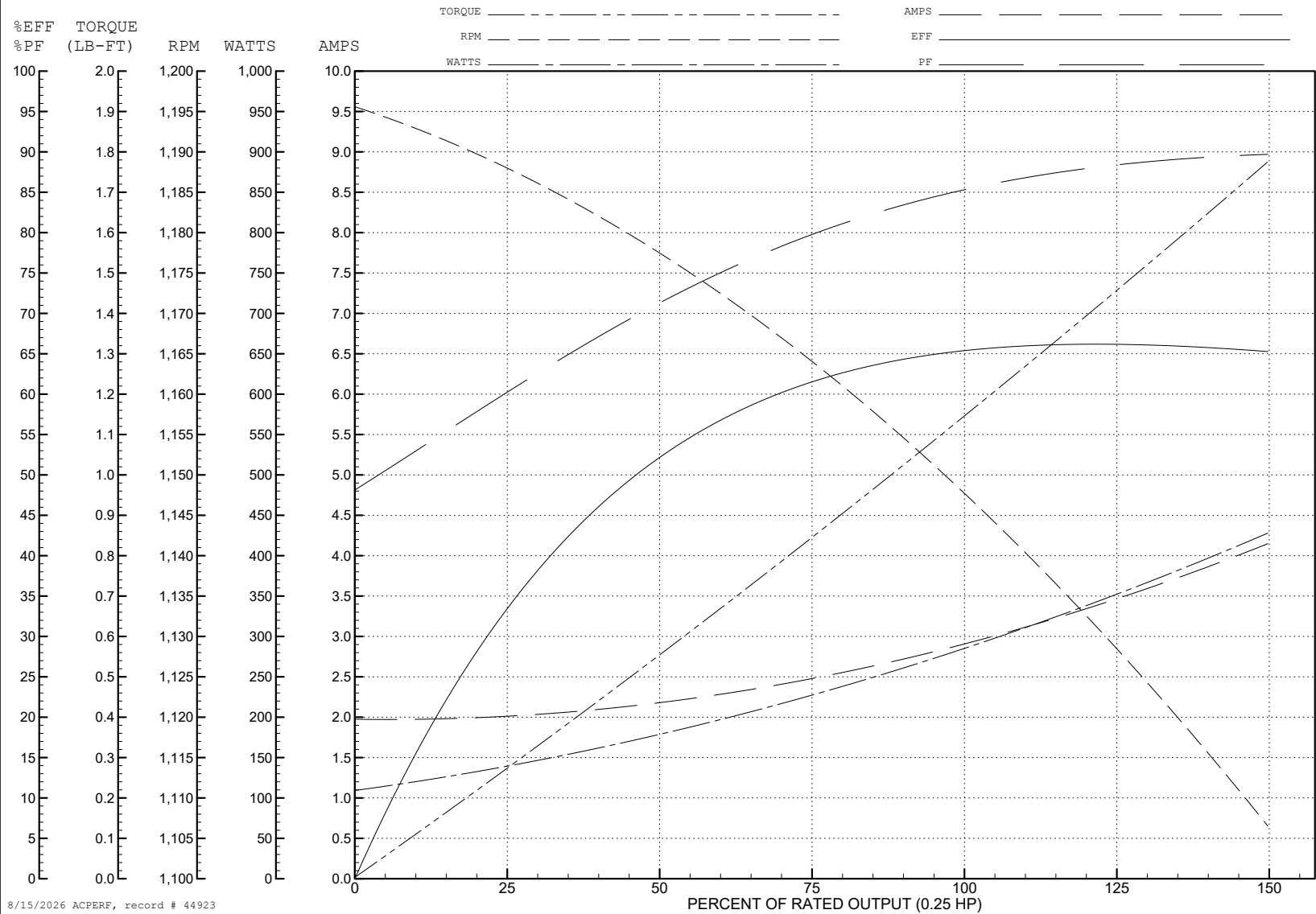
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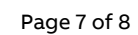
WINDING # 34WGR066

Typical performance - not guaranteed values.

0.25 HP 1 PH 60 HZ 1140 RPM 115 V 3416LC

TORQUES (LB-FT): PO=2.4 PU=2.67 LR=4.23 LRA=16.5





CD0055

