

ABB BALDOR RELIANCE III

Customer information packet

L1319T

1.5HP, 1740RPM, 1PH, 60HZ, 145T, 3528L, OPEN, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	145T
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	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US
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	18.600 A @ 115.0 V 9.200 A @ 208.0 V 9.300 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	66.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.3 a
Insulation Class	F

Part Detail

Revision	C
Type	AC
Mech. spec.	35DD001
Base	
Status	PRD/A
Elec. spec.	35WGG408
Layout	35LYDD001
Eff. date	07-02-2024
CD Diagram	CD0001
Poles	04
Leads	4#16 A PH,2#18 B PH Y
Proprietary	False
Created date	02-23-2023

Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.13 IN
Power Factor	78
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 Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1740 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.	L1319T								
SPEC.	35DD001G408								
HP	1.5								
VOLTS	115/230								
AMP	18.6/9.3								
RPM	1740								
FRAME	145T		HZ	60			PH	1	
SER.F.	1.15		CODE	K	DES	L	CLASS	F	
NEMA-NOM-EFF	66		PF	78					
RATING	40C AMB-CONT								
CC									
DE	6205		ODE	6203					
ENCL	OPEN		SN						

Parts List

Part number	Description	Quantity
SA414862	SA 35DD001G408	1.000 ea
RA406631	RA 35DD001G408	1.000 ea
EC1850A06SP	ELEC CAP 115V 2.0 X 4.3 X	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3209A00	MASTER ODE,203 BRG,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 ea
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3210A00	MASTER DE,205 BRG,1.000SH,GRSR	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.017 ga
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 ea
SP5051A24	MODEL 35 TORQ STATIONARY SWITCH FOR "L"	1.000 ea
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

PE-0000001

ZRTG PE ASSEMBLY

1.000 ea

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

AC Induction Motor Performance Data

Record # 89158

Typical performance - not guaranteed values

Winding: 35WGG408-R001			Type: 3528L		Enclosure: OPEN	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection			
Rated Output (HP)		1.5	Full Load Torque		4.49 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		18.6/9.3	Breakdown Torque		11.26 LB-FT	
R.P.M.		1740	Pull-up Torque		10.23 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		14.53 LB-FT	
NEMA Design Code		L KVA Code	Starting Current		116 A	
Service Factor (S.F.)		1.15	No-load Current		12.73 A	
NEMA Nom. Eff.		66 Power Factor	Line-line Res. @ 25°C		0.503 Ω A Ph 1.14 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		59°C	
S.F. Amps			Temp. Rise @ S.F. Load		68°C	
			Locked-rotor Power Factor		94.9	
			Rotor inertia		0.203 lb-ft²	

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	56	70	78	85	87	82
Efficiency	48.4	62.7	64.3	66.8	65.1	64	65.8
Speed	1791	1782	1768	1742	1726	1698	1732
Line amperes	13.16	14.14	16.31	18.62	21.62	25.38	20.4

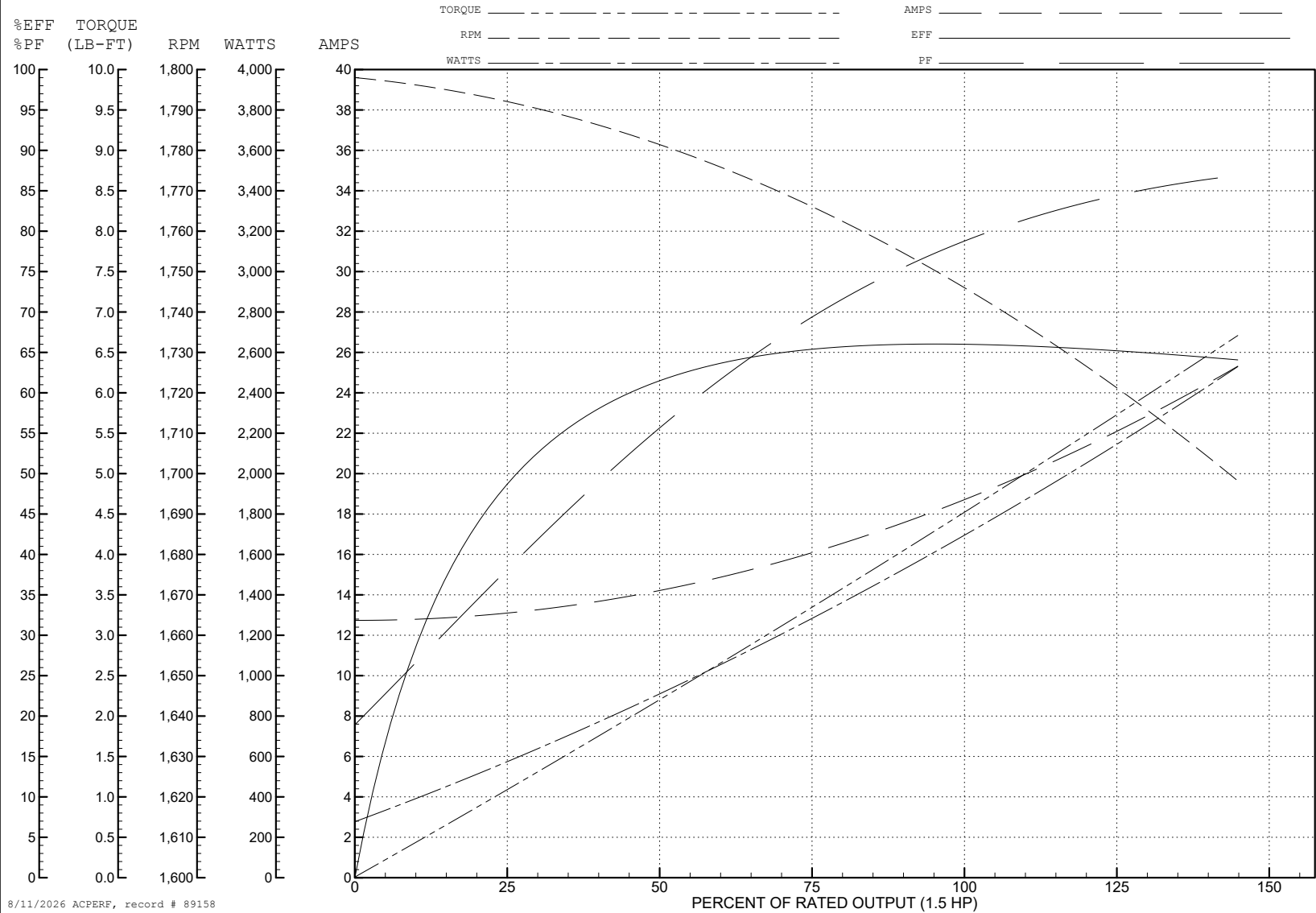
ABB Motors and Mechanical Inc.

WINDING # 35WGG408

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 1740 RPM 115 V 3528L

TORQUES (LB-FT): PO=11.26 PU=10.23 LR=14.53 LRA=116



8/11/2026 ACPERF, record # 89158



CD0001

