

ABB BALDOR RELIANCE III

Customer information packet

JML3608T

5HP, 3450RPM, 1PH, 60HZ, 184JM, 3640LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184JM
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	22.000 A @ 208.0 V 19.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	83.0 %
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	19.5 a
Insulation Class	F

Part Detail

Revision	AJ
Type	AC
Mech. spec.	36E510
Base	
Status	PRD/A
Elec. spec.	36WGW914
Layout	36LYE510
Eff. date	05-05-2025
CD Diagram	CD0017A02
Poles	02
Leads	2#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3640LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	19.55 IN
Power Factor	99
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.00
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	3450 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.	JML3608T								
SPEC.	36E510W914								
HP	5								
VOLTS	230								
AMP	19.5								
RPM	3450								
FRAME	184JM		HZ	60			PH	1	
SER.F.	1.00	CODE	G	DES	L	CLASS	F		
NEMA-NOM-EFF	83	PF	99						
RATING	40C AMB-CONT								
CC									
DE	6207		ODE	6205					
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 10881

Typical performance - not guaranteed values

Winding: 36GW914-R001				Type: 3640LC		Enclosure: TEFC		
Nameplate Data				230 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		5		Full Load Torque		7.5 LB-FT		
Volts		230		Start Configuration		direct on line		
Full Load Amps		19.5		Breakdown Torque		26 LB-FT		
R.P.M.		3450		Pull-up Torque		12.5 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		15 LB-FT		
NEMA Design Code		L	KVA Code	G		Starting Current		128 A
Service Factor (S.F.)		1		No-load Current		2.3 A		
NEMA Nom. Eff.		83	Power Factor	99		Line-line Res. @ 25°C		0.38 Ω A Ph 1.02 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		93°C		

Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	98	98	98	98	97	97
Efficiency	66.4	81.5	83.9	83.9	82.1	79.2
Speed	3565	3539	3507	3472	3430	3389
Line amperes	6.5	10.4	14.9	19.6	24.7	29.9

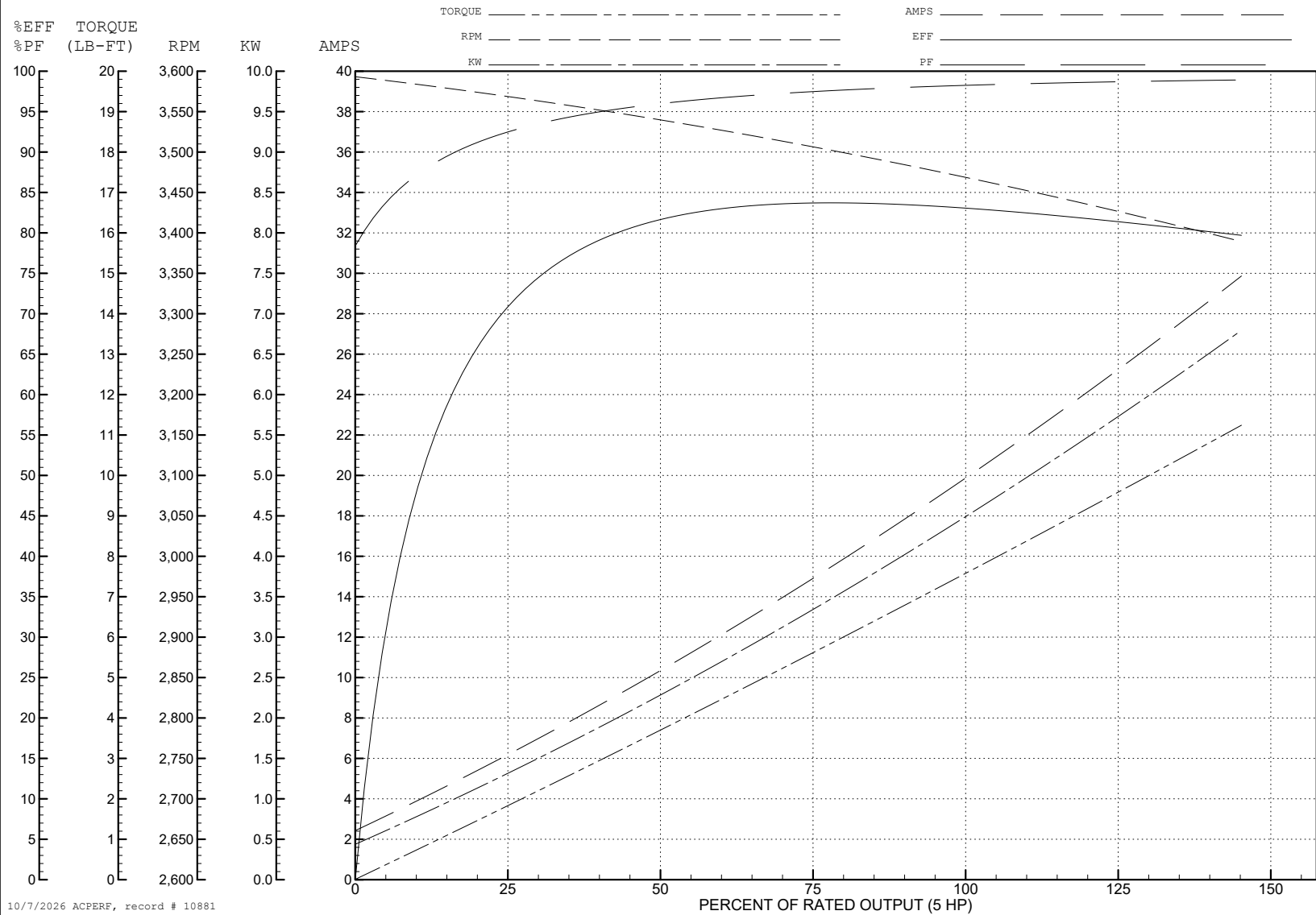
ABB Motors and Mechanical Inc.

WINDING # 36WG914

Typical performance - not guaranteed values.

5 HP 1 PH 60 HZ 3450 RPM 230 V 3640LC

TORQUES (LB-FT): PO=26 PU=12.5 LR=15 LRA=128



CD0017A02

