

ABB BALDOR RELIANCE III

Customer information packet

M3608

2HP, 3450RPM, 3PH, 60HZ, 184, 3524M, TEFC, F1

Class -

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
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	2.600 A @ 460.0 V 5.200 A @ 230.0 V 5.600 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
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	J
Type	AC
Mech. spec.	35L108
Base	
Status	INA/A
Elec. spec.	35WGT962
Layout	35LYL108
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	04-30-2010

High Voltage Full Load Amps	2.6 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	13.76 IN
Power Factor	88
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	1.15
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	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.									
SPEC.	35L108T962H1								
HP	2								
VOLTS	208-230/460								
AMP	5.6-5.2/2.6								
RPM	3450								
FRAME	184		HZ	60			PH	3	
SER.F.	1.15	CODE	L	DES	B	CLASS		B	
NEMA-NOM-EFF	84	PF	88						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6203					
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 9718

Typical performance - not guaranteed values

Winding: 35WGT962-R001			Type: 3526M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		2	Full Load Torque		3 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		5.6-5.2/2.6	Breakdown Torque		12.4 LB-FT			
R.P.M.		3450	Pull-up Torque		7.6 LB-FT			
Hz		60	Phase		3	Locked-rotor Torque	11 LB-FT	
NEMA Design Code		B	KVA Code		L	Starting Current	24.3 A	
Service Factor (S.F.)		1.15	No-load Current		1.1 A			
NEMA Nom. Eff.		84	Power Factor		88	Line-line Res. @ 25°C	7.86 Ω	
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load			47°C
S.F. Amps			Temp. Rise @ S.F. Load		55°C			
			Locked-rotor Power Factor		54			
			Rotor inertia		0.0712 LB-FT2			

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	73	80	85	89	89	87
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6	83.9
Speed	3563	3537	3507	3475	3440	3402	3454
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

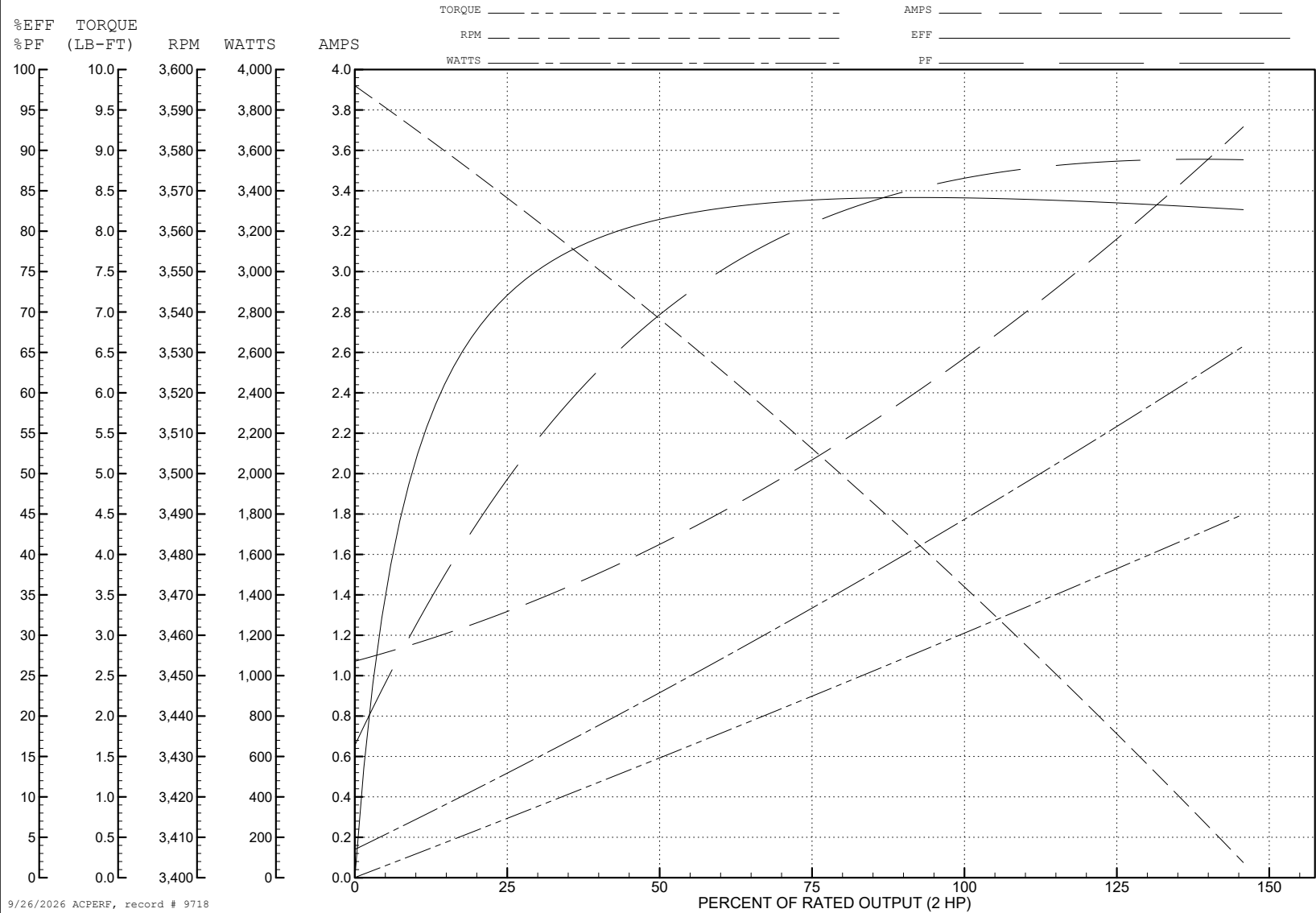
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WINDING # 35WGT962

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 3450 RPM 460 V 3526M

TORQUES (LB-FT): PO=12.4 PU=7.6 LR=11 LRA=24.3



AC Induction Motor Performance Data

Record # 20594

Typical performance - not guaranteed values

Winding: 35WGT962-R008		Type: 3526M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2	Full Load Torque	3 LB-FT
Volts	208-230/460	Start Configuration	direct on line
Full Load Amps	5.6-5.2/2.6	Breakdown Torque	12.4 LB-FT
R.P.M.	3450	Pull-up Torque	7.6 LB-FT
Hz	60 Phase	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B KVA Code	Starting Current	24.3 A
Service Factor (S.F.)	1.15	No-load Current	1.1 A
NEMA Nom. Eff.	84 Power Factor	Line-line Res. @ 25°C	7.86 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	47°C
S.F. Amps		Temp. Rise @ S.F. Load	55°C
		Locked-rotor Power Factor	54
		Rotor inertia	0.0712 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	73	80	85	89	89	87
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6	83.9
Speed	3563	3537	3507	3475	3440	3402	3454
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

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WINDING # 35WGT962

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 3450 RPM 460 V 3526M

TORQUES (LB-FT): PO=12.4 PU=7.6 LR=11 LRA=24.3

