

ABB BALDOR RELIANCE III

Customer information packet L1313T

1.5HP, 3450RPM, 1PH, 60HZ, 143T, 3520L, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	143T
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	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUS 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	17.800 A @ 115.0 V 8.900 A @ 230.0 V 9.300 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
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	V
Type	AC
Mech. spec.	35T876
Base	
Status	PRD/A
Elec. spec.	35WGX958
Layout	35LYT876
Eff. date	05-07-2024
CD Diagram	CD0001
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	06-22-2007

High Voltage Full Load Amps	8.9 a
Insulation Class	B
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	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3520L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.13 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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.	L1313T										
SPEC.	35T876X958										
HP	1.5										
VOLTS	115/230										
AMP	17.8/8.9										
RPM	3450										
FRAME	143T			HZ	60				PH	1	
SER.F.	1.15		CODE	J	DES	L		CLASS		B	
NEMA-NOM-EFF	70		PF	78							
RATING	40C AMB-CONT										
CC											
DE	6205			ODE	6203						
ENCL	OPEN		SN								

Accessories

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

AC Induction Motor Performance Data

Record # 10112

Typical performance - not guaranteed values

Winding: 35WGX958-R001			Type: 3520L		Enclosure: OPEN	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5	Full Load Torque		2.25 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		17.8/8.9	Breakdown Torque		6.1 LB-FT	
R.P.M.		3450	Pull-up Torque		5.1 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		5.4 LB-FT	
NEMA Design Code		L KVA Code	Starting Current		46 A	
Service Factor (S.F.)		1.15	No-load Current		5.7 A	
NEMA Nom. Eff.		70 Power Factor	Line-line Res. @ 25°C		1.49 Ω A Ph 1.33 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		63°C	

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	57	69	77	82	87	80
Efficiency	53.5	66	70	70	69	66	70
Speed	3555	3520	3485	3450	3400	3355	3425
Line amperes	6	6.5	7.5	8.9	10.5	12.2	9.8

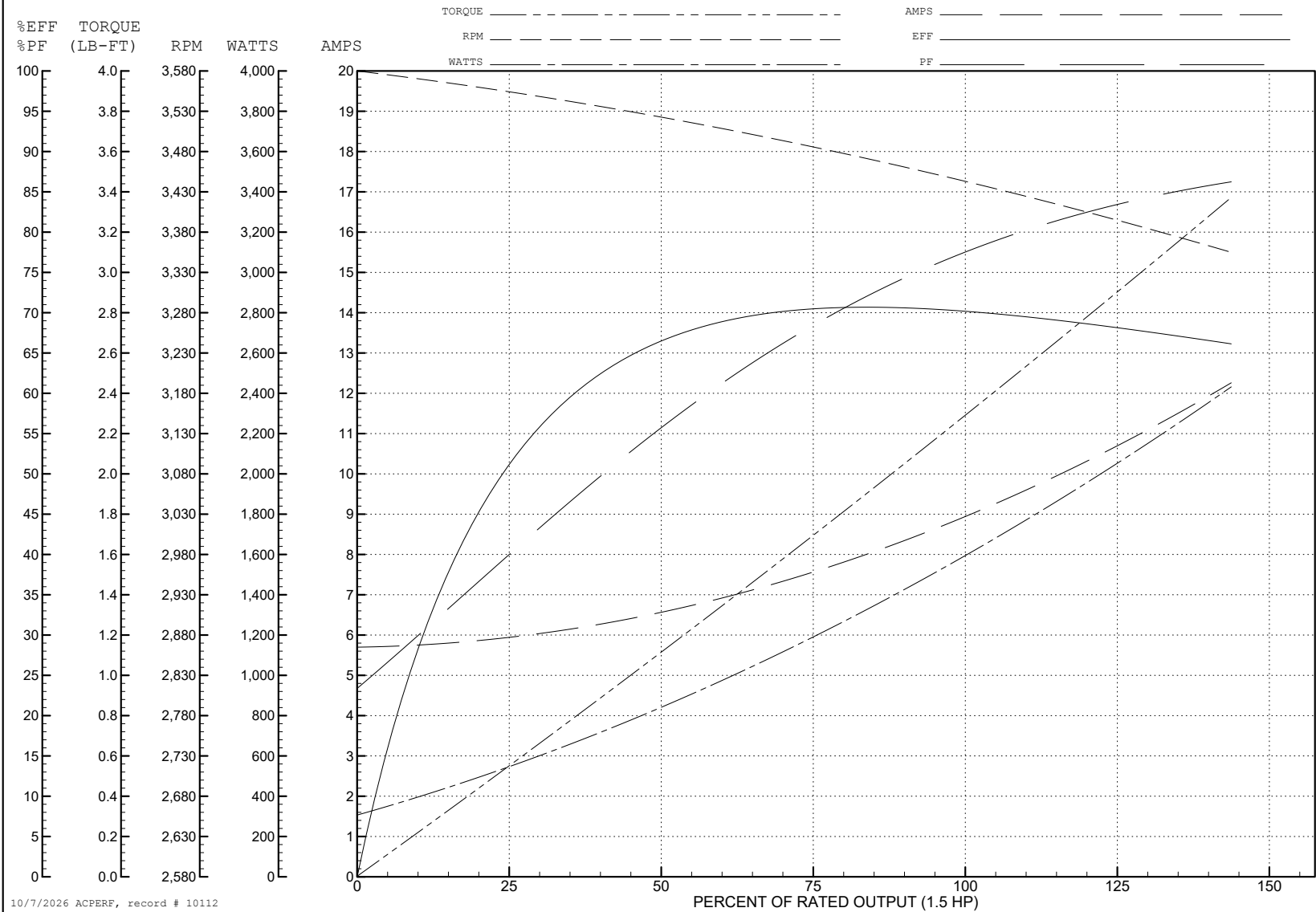
ABB Motors and Mechanical Inc.

WINDING # 35WGX958

Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 3450 RPM 230 V 3520L

TORQUES (LB-FT): PO=6.1 PU=5.1 LR=5.4 LRA=46



CD0001

