

ABB BALDOR RELIANCE III

Customer information packet

EJMM3158T-5

3HP, 3450RPM, 3PH, 60HZ, 143JM, 3528M, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	145JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV 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	3.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
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	3.0 a
Insulation Class	B

Part Detail

Revision	L
Type	AC
Mech. spec.	35T910
Base	
Status	PRD/A
Elec. spec.	35WGL264
Layout	35LYT910
Eff. date	04-30-2024
CD Diagram	CD0006
Poles	02
Leads	3#18
Proprietary	False
Created date	08-12-2015

Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.25 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
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	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

NP1259L									
CAT.NO.	EJMM3158T-5								
SPEC.	35T910L264G1								
HP	3								
VOLTS	575								
AMP	3								
RPM	3450								
FRAME	145JM		HZ	60			PH	3	
SER.F.	1.15		CODE	K	DES	B	CL	B	
NEMA-NOM-EFF	85.5		PF	89					
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6203					
ENCL	OPEN		SN						

AC Induction Motor Performance Data

Record # 52359

Typical performance - not guaranteed values

Winding: 35WGL264-R003			Type: 3528M		Enclosure: OPEN		
Nameplate Data			575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		3	Full Load Torque		4.65 LB-FT		
Volts		575	Start Configuration		direct on line		
Full Load Amps		3	Breakdown Torque		18.8 LB-FT		
R.P.M.		3450	Pull-up Torque		12.3 LB-FT		
Hz		60	Phase		3	Locked-rotor Torque	17.4 LB-FT
NEMA Design Code		B	KVA Code		K	Starting Current	25.8 A
Service Factor (S.F.)		1.15				No-load Current	1.11 A
NEMA Nom. Eff.		85.5	Power Factor		89	Line-line Res. @ 25°C	7.4 Ω
Rating - Duty		40C	AMB-CONT			Temp. Rise @ Rated Load	
						Locked-rotor Power Factor	49.6
						Rotor inertia	0.0774 LB-FT2

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	54	76	85	89	92	93	91
Efficiency	82.5	87.2	87.2	86.1	84.4	82.1	85.1
Speed	3567	3536	3500	3458	3416	3366	3433
Line amperes	1.32	1.74	2.32	3	3.67	4.47	3.4

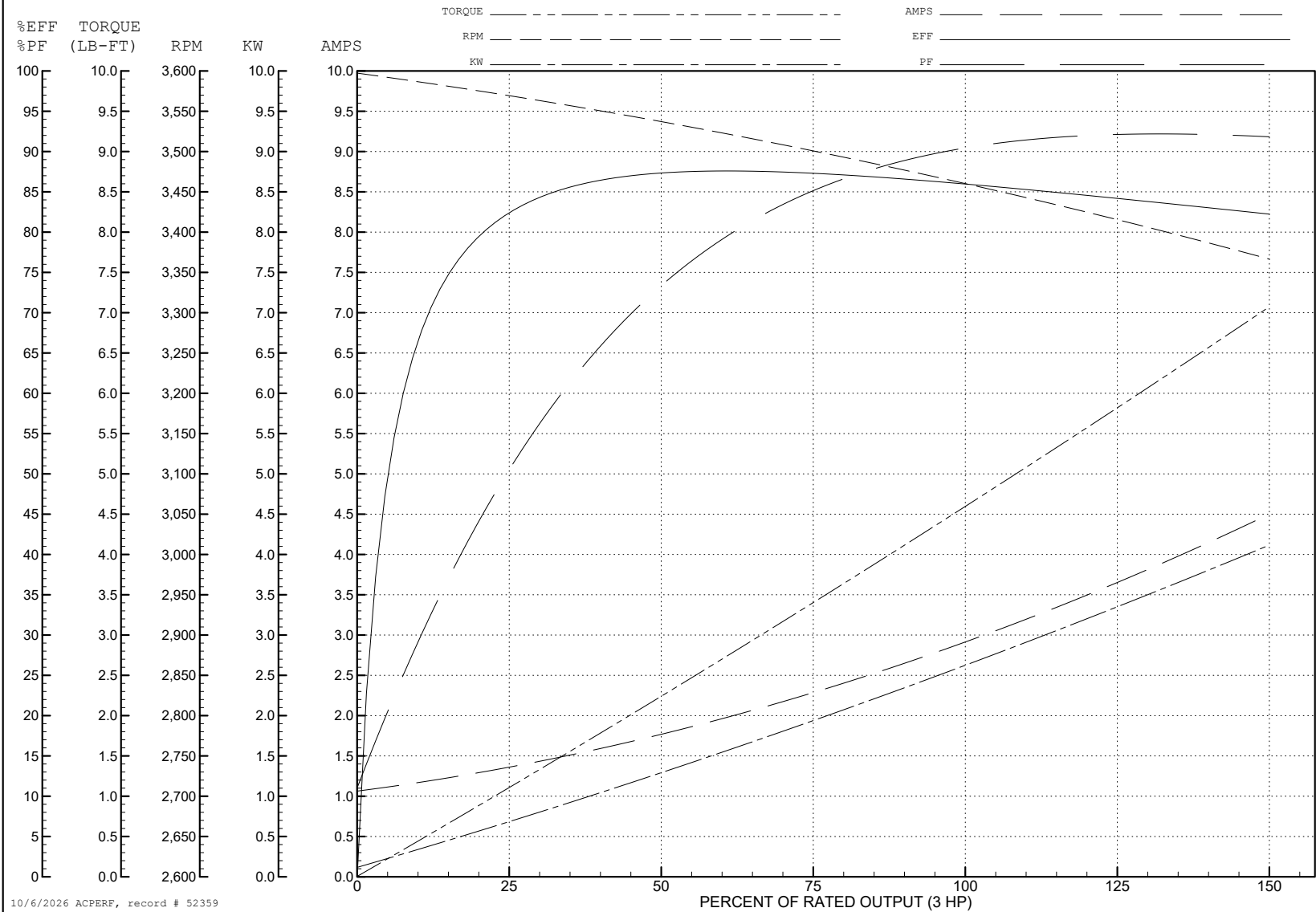
ABB Motors and Mechanical Inc.

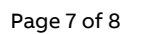
WINDING # 35WGL264

Typical performance - not guaranteed values.

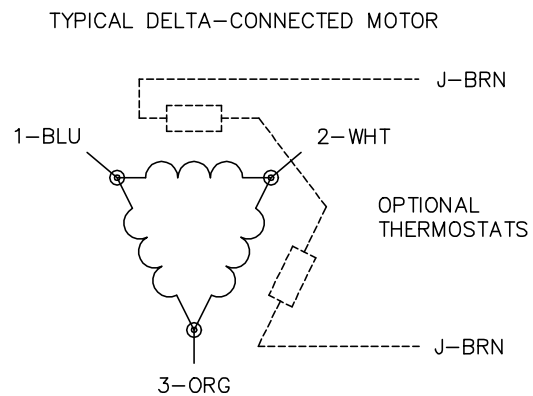
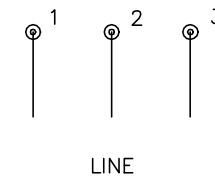
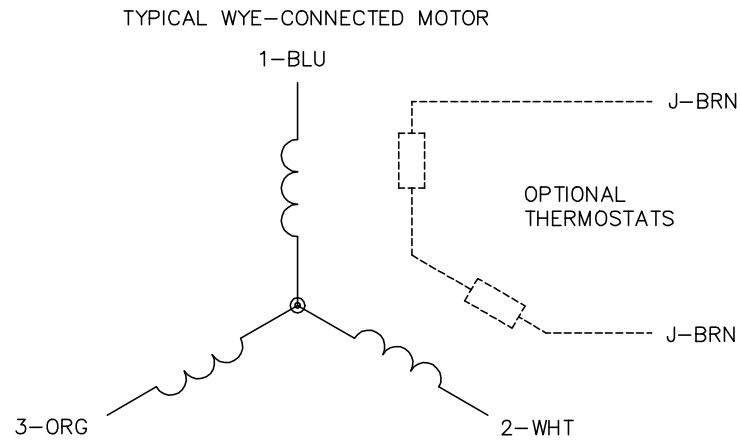
3 HP 3 PH 60 HZ 3450 RPM 575 V 3528M

TORQUES (LB-FT): PO=18.8 PU=12.3 LR=17.4 LRA=25.8





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: —



BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1