

ABB BALDOR RELIANCE III

Customer information packet

AFM3532

3HP, 3450RPM, 3PH, 60HZ, 145T, 3528M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	145T
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	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 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	8.100 A @ 208.0 V 7.600 A @ 230.0 V 3.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None

Part Detail

Revision	AP
Type	AC
Mech. spec.	35T908
Base	
Status	PRD/A
Elec. spec.	35WGT123
Layout	35LYT908
Eff. date	01-05-2026
CD Diagram	CD0005
Poles	02
Leads	9#18 14" minimum Y
Proprietary	False
Created date	06-22-2007

Heater Indicator	No Heater
High Voltage Full Load Amps	3.8 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.74 IN
Power Factor	89
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP1279L									
CAT.NO.	AFM3532								
SPEC.	35T908T123G1								
HP	3								
VOLTS	208-230/460								
AMP	8.1-7.6/3.8								
RPM	3450								
FRAME	145T		HZ	60		PH		3	
SER.F.	1.00		CODE	K	DES	B		CL	B
NEMA-NOM-EFF	82.5		PF	89					
RATING	40C AMB-CONT								
CC									
DE	6205		ODE	6203					
ENCL	TEAO		SN						

AC Induction Motor Performance Data

Record # 20989

Typical performance - not guaranteed values

Winding: 35WGT123-R011		Type: 3528M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3	Full Load Torque	4.6 LB-FT
Volts	208-230/460	Start Configuration	direct on line
Full Load Amps	8.1-7.6/3.8	Breakdown Torque	19.7 LB-FT
R.P.M.	3450	Pull-up Torque	13.1 LB-FT
Hz	60 Phase	Locked-rotor Torque	17.5 LB-FT
NEMA Design Code	B KVA Code	Starting Current	32.9 A
Service Factor (S.F.)	1	No-load Current	1.4 A
NEMA Nom. Eff.	82.5 Power Factor	Line-line Res. @ 25°C	5.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	68°C

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	55	74	83	87	88	88
Efficiency	76	83	84.3	84	82.7	80.6
Speed	3559	3525	3490	3452	3409	3358
Line amperes	1.7	2.3	3	3.8	4.7	5.7

ABB Motors and Mechanical Inc.

WINDING # 35WGT123

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 3450 RPM 460 V 3528M

TORQUES (LB-FT): PO=19.7 PU=13.1 LR=17.5 LRA=32.9





