

ABB BALDOR RELIANCE III

Customer information packet

JMM3212TX

5HP, 3450RPM, 3PH, 60HZ, 182JM, 3534M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	182JM
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	5.000 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	6.100 A @ 460.0 V 13.000 A @ 208.0 V 12.200 A @ 230.0 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

Part Detail

Revision	AL
Type	AC
Mech. spec.	35N835
Base	
Status	PRD/A
Elec. spec.	35WGT481
Layout	35LYN835
Eff. date	04-10-2026
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	06-22-2007

Heater Indicator	No Heater
High Voltage Full Load Amps	6.1 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	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	3534M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.62 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

NP1256L									
CAT.NO.	JMM3212TX								
SPEC.	35N835T481								
HP	5								
VOLTS	208-230/460								
AMP	13-12.2/6.1								
RPM	3450								
FRAME	182JM		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	B	CLASS		B	
NEMA-NOM-EFF	85.5	PF	89						
RATING	40C AMB-CONT								
CC									
DE	6207		ODE	6203					
ENCL	OPSB	SN							
	NOT FOR USE IN USA								

AC Induction Motor Performance Data

Record # 9422

Typical performance - not guaranteed values

Winding: 35WGT481-R001		Type: 3534M	Enclosure: OPSB
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5	Full Load Torque	7.81 LB-FT
Volts	208-230/460	Start Configuration	direct on line
Full Load Amps	13-12.2/6.1	Breakdown Torque	30.89 LB-FT
R.P.M.	3450	Pull-up Torque	23.14 LB-FT
Hz	60 Phase	Locked-rotor Torque	27.15 LB-FT
NEMA Design Code	B KVA Code	Starting Current	51.63 A
Service Factor (S.F.)	1.15	No-load Current	2.41 A
NEMA Nom. Eff.	85.5 Power Factor	Line-line Res. @ 25°C	3.08 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	55°C
S.F. Amps		Temp. Rise @ S.F. Load	67°C
		Locked-rotor Power Factor	52.2
		Rotor inertia	0.0931 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	86	91	93	93	92
Efficiency	80.9	86.1	86.8	86	84.4	82.3	85.2
Speed	3560	3524	3485	3443	3395	3344	3420
Line amperes	2.81	3.69	4.9	6.13	7.62	9.26	7.03

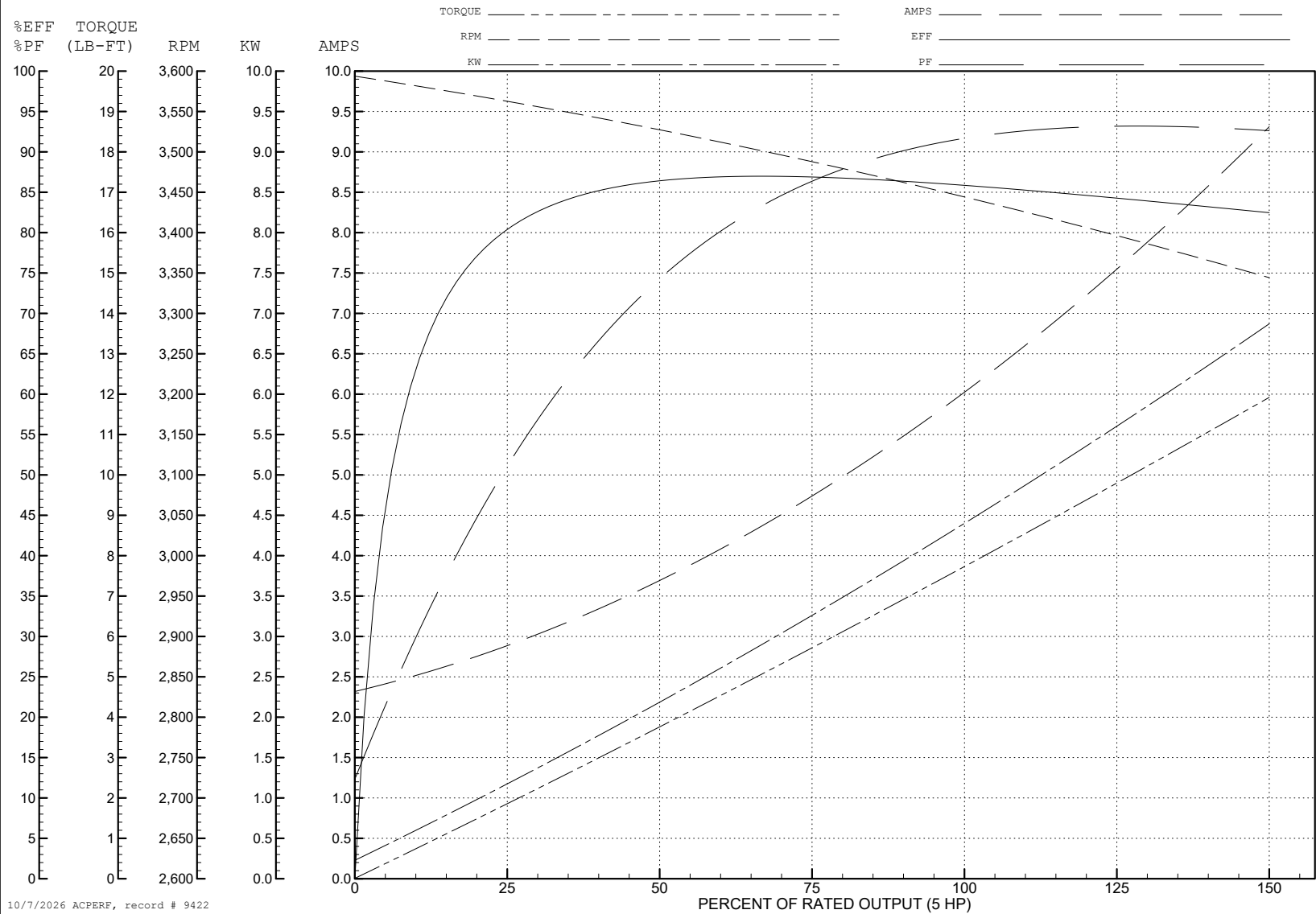
ABB Motors and Mechanical Inc.

WINDING # 35WGT481

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 3450 RPM 460 V 3534M

TORQUES (LB-FT): PO=30.89 PU=23.14 LR=27.15 LRA=51.63



AC Induction Motor Performance Data

Record # 20145

Typical performance - not guaranteed values

Winding: 35WGT481-R002			Type: 3534M		Enclosure: OPSB			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		5	Full Load Torque		7.81 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		13-12.2/6.1	Breakdown Torque		30.89 LB-FT			
R.P.M.		3450	Pull-up Torque		23.14 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		27.15 LB-FT		
NEMA Design Code		B	KVA Code	J	Starting Current		51.63 A	
Service Factor (S.F.)		1.15		No-load Current		2.41 A		
NEMA Nom. Eff.		85.5	Power Factor	89	Line-line Res. @ 25°C		3.08 Ω	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		55°C
S.F. Amps						Temp. Rise @ S.F. Load		67°C
						Locked-rotor Power Factor		52.2
						Rotor inertia		0.0931 LB-FT2

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	77	86	91	93	93	92
Efficiency	80.9	86.1	86.8	86	84.4	82.3	85.2
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Line amperes	2.81	3.69	4.9	6.13	7.62	9.26	7.03

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WINDING # 35WGT481

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5 HP 3 PH 60 HZ 3450 RPM 460 V 3534M

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