

ABB BALDOR RELIANCE III

Customer information packet

M1725T

7.5/3.3HP, 1760/1160RPM, 3PH, 60HZ, 254T

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ 3.300 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	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	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	10.300 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
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	5.7 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AU
Type	AC
Mech. spec.	09C101
Base	
Status	PRD/A
Elec. spec.	09WGX206
Layout	09LYC101
Eff. date	10-07-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#12
Proprietary	False
Created date	01-01-0001

KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0928M
Mounting Arrangement	F1
Number of Poles	4
	6
Overall Length	23.28 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1160 rpm
	1760 rpm
Speed Code	2S-2W-VT
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.	M1725T								
SPEC.	09C101X206								
HP	7.5/3.3								
VOLTS	460								
AMP	10.3/5.7								
RPM	1760/1160								
FRAME	254T		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	A	CLASS	F		
NEMA-NOM-EFF		PF							
RATING	40C AMB-CONT								
CC									
DE	6309		ODE	6208					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 36431

Typical performance - not guaranteed values

Winding: 09WGX206-R002			Type: 0928M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Speed Connection		
Rated Output (HP)		7.5/3.3		Full Load Torque		22.2 LB-FT
Volts		460		Start Configuration		direct on line
Full Load Amps		10.3/5.7		Breakdown Torque		81 LB-FT
R.P.M.		1760/1160		Pull-up Torque		47 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		55 LB-FT
NEMA Design Code		B	KVA Code	Starting Current		72 A
Service Factor (S.F.)		1.15		No-load Current		5.4 A
NEMA Nom. Eff.		0	Power Factor	Line-line Res. @ 25°C		2.4 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C
S.F. Amps				Temp. Rise @ S.F. Load		73°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	63	75	82	86	88	84
Efficiency	70.9	80.8	83.8	84.7	84.5	83.8	84.6
Speed	1793	1787	1780	1773	1766	1758	1769
Line amperes	5.9	6.9	8.4	10.3	12.1	14.3	11.3

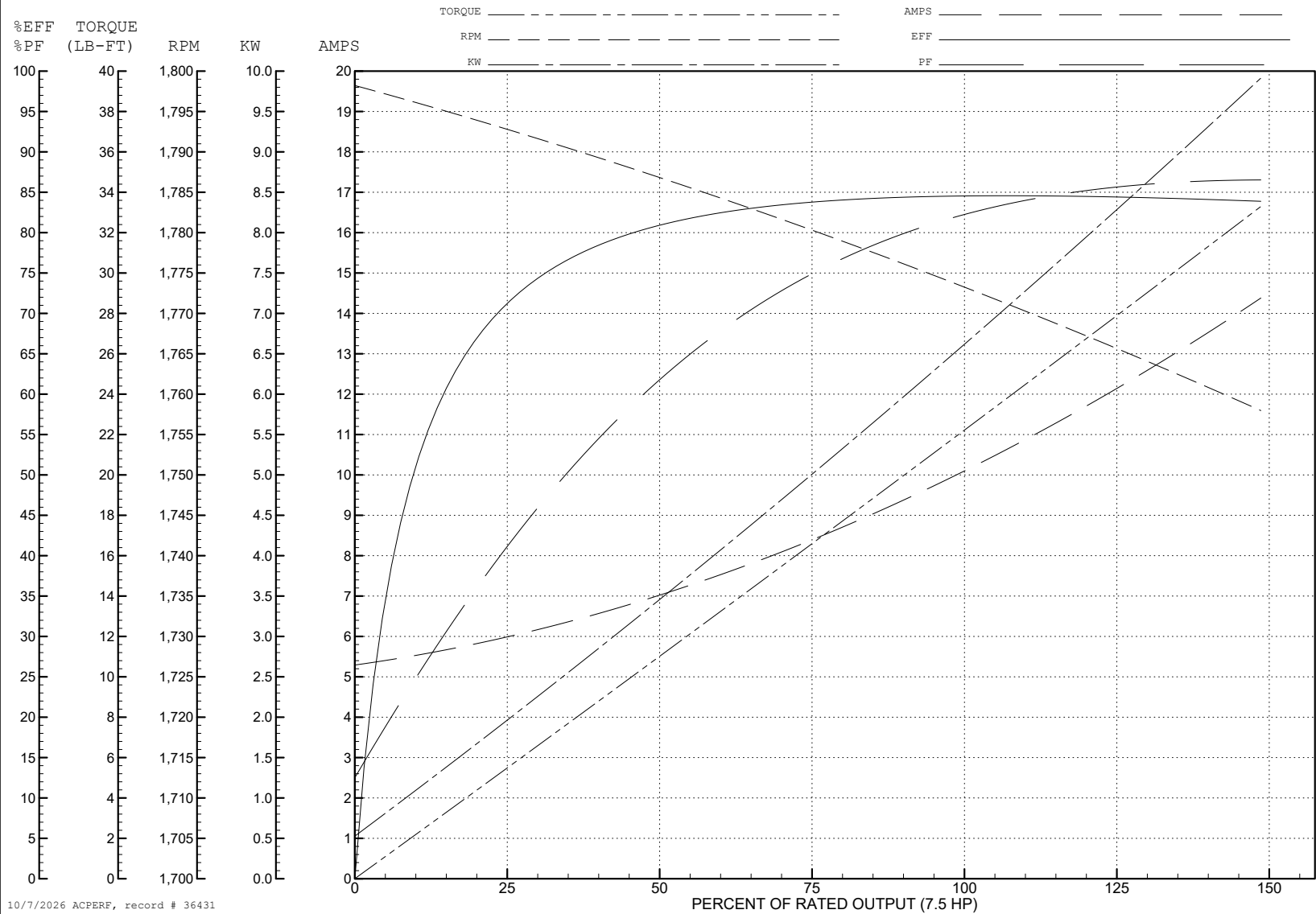
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WINDING # 09WGX206

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1773 RPM 460 V 0928M

TORQUES (LB-FT) : PO=81 PU=47 LR=55 LRA=72



AC Induction Motor Performance Data

Record # 36432

Typical performance - not guaranteed values

Winding: 09WGX206-R002			Type: 0928M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: Low Speed Connection			
Rated Output (HP)		7.5/3.3		Full Load Torque		14.7 LB-FT	
Volts		460		Start Configuration		direct on line	
Full Load Amps		10.3/5.7		Breakdown Torque		52 LB-FT	
R.P.M.		1760/1160		Pull-up Torque		26 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		31 LB-FT	
NEMA Design Code		B	KVA Code	H		Starting Current	32 A
Service Factor (S.F.)		1.15		No-load Current		4.4 A	
NEMA Nom. Eff.		0	Power Factor	0		Line-line Res. @ 25°C	5.91 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		54°C	
S.F. Amps				Temp. Rise @ S.F. Load		60°C	

Load Characteristics 460 V, 60 Hz, 3.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	45	57	67	74	78	71
Efficiency	58.5	72	77.2	79.2	79.8	79.4	79.6
Speed	1195	1191	1187	1182	1177	1172	1179
Line amperes	4.5	4.8	5.2	5.7	6.6	7.5	6.32

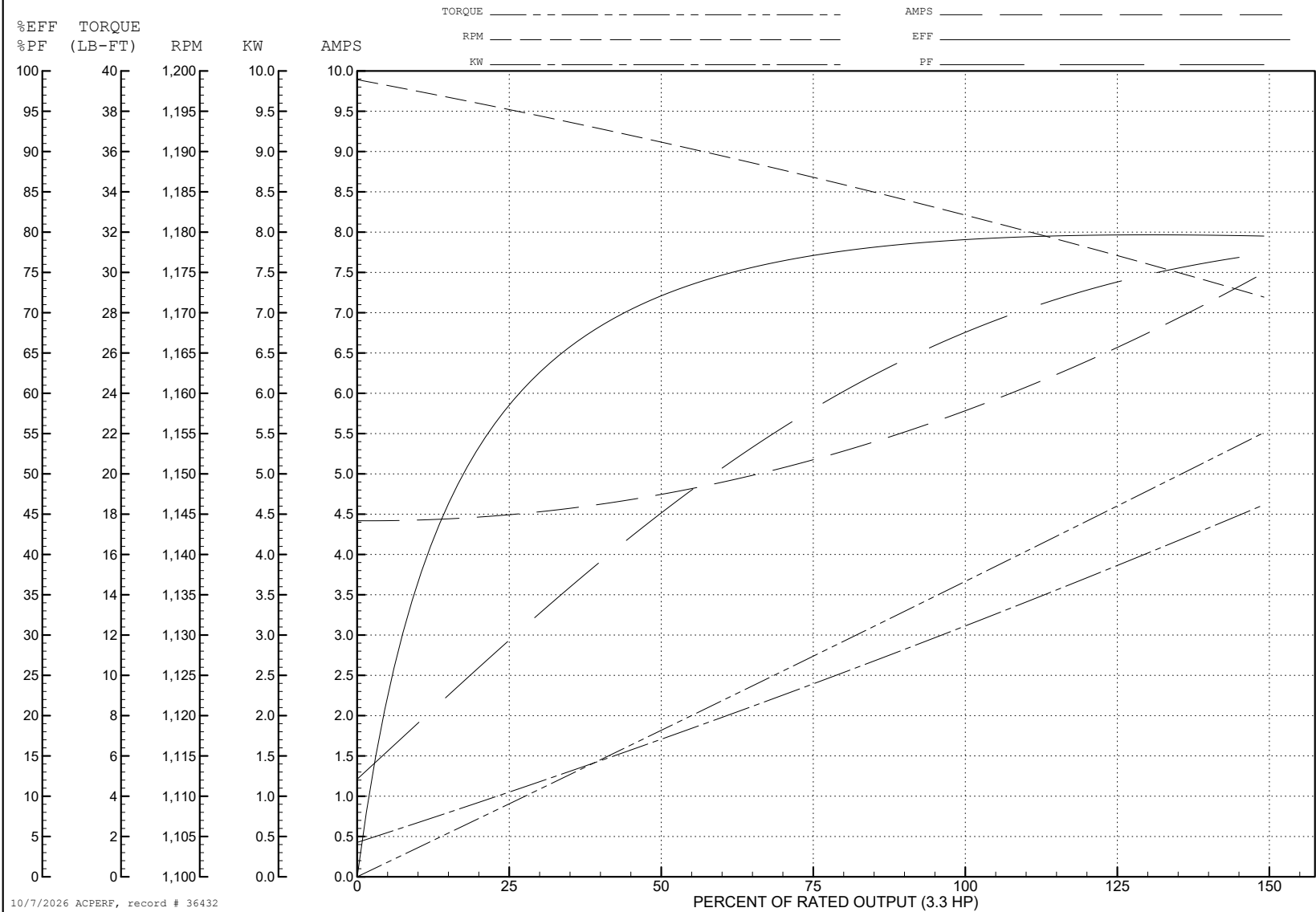
ABB Motors and Mechanical Inc.

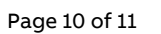
WINDING # 09WGX206

Typical performance - not guaranteed values.

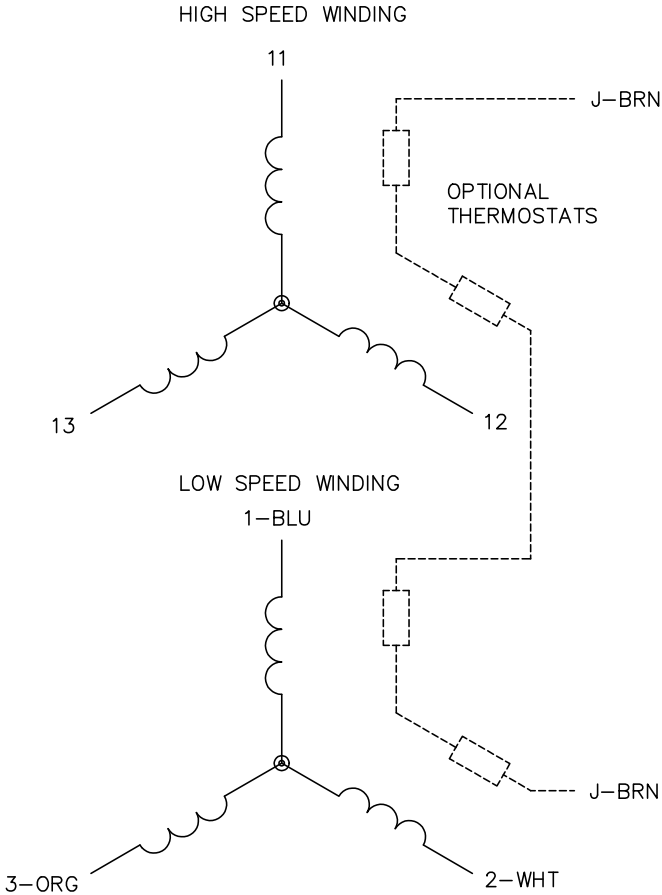
3.3 HP 3 PH 60 HZ 1182 RPM 460 V 0928M

TORQUES (LB-FT) : PO=52 PU=26 LR=31 LRA=32

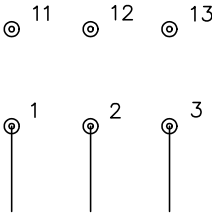




CD0013

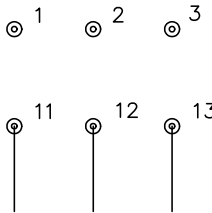


LOW SPEED



LINE

HIGH SPEED



LINE

- NOTES:
- 1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 - 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 - 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0013

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
CD0013		FILE: AAA00005143	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 2-WINDING