

ABB BALDOR RELIANCE III

Customer information packet

M1711T

15-7.5HP, 1760/875RPM, 3PH, 60HZ, 256T, 0944M

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256T
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 15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	19.200 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	16.8 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AV
Type	AC
Mech. spec.	09C101
Base	
Status	PRD/A
Elec. spec.	09WGX235
Layout	09LYC101
Eff. date	10-07-2024
CD Diagram	CD0011
Poles	04/08
Leads	6#12
Proprietary	False
Created date	01-01-0001

KVA Code	H
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	0944M
Mounting Arrangement	F1
Number of Poles	4
	8
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	1760 rpm
	875 rpm
Speed Code	2S-1W-CT
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.	M1711T								
SPEC.	09C101X235								
HP	15-7.5								
VOLTS	460								
AMP	19.2/16.8								
RPM	1760/875								
FRAME	256T		HZ	60			PH	3	
SER.F.	1.15	CODE	H	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 # 36433

Typical performance - not guaranteed values

Winding: 09WGX235-R002			Type: 0944M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Speed Connection			
Rated Output (HP)		15/7.5	Full Load Torque		45 LB-FT	
Volts		460	Start Configuration		direct on line	
Full Load Amps		19.2/16.8	Breakdown Torque		135 LB-FT	
R.P.M.		1760/875	Pull-up Torque		49.6 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		73.6 LB-FT
NEMA Design Code		A	KVA Code	Starting Current		129 A
Service Factor (S.F.)		1.15	No-load Current		8.41 A	
NEMA Nom. Eff.		0	Power Factor	Line-line Res. @ 25°C		1.1904 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		69°C
S.F. Amps				Temp. Rise @ S.F. Load		84°C
				Locked-rotor Power Factor		55.3

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	68	78	84	87	88	86
Efficiency	80.5	86.7	87.8	87.4	86.2	84.7	86.7
Speed	1793	1786	1779	1771	1762	1751	1766
Line amperes	9.74	12.18	15.42	19.17	23.54	28.14	21.8

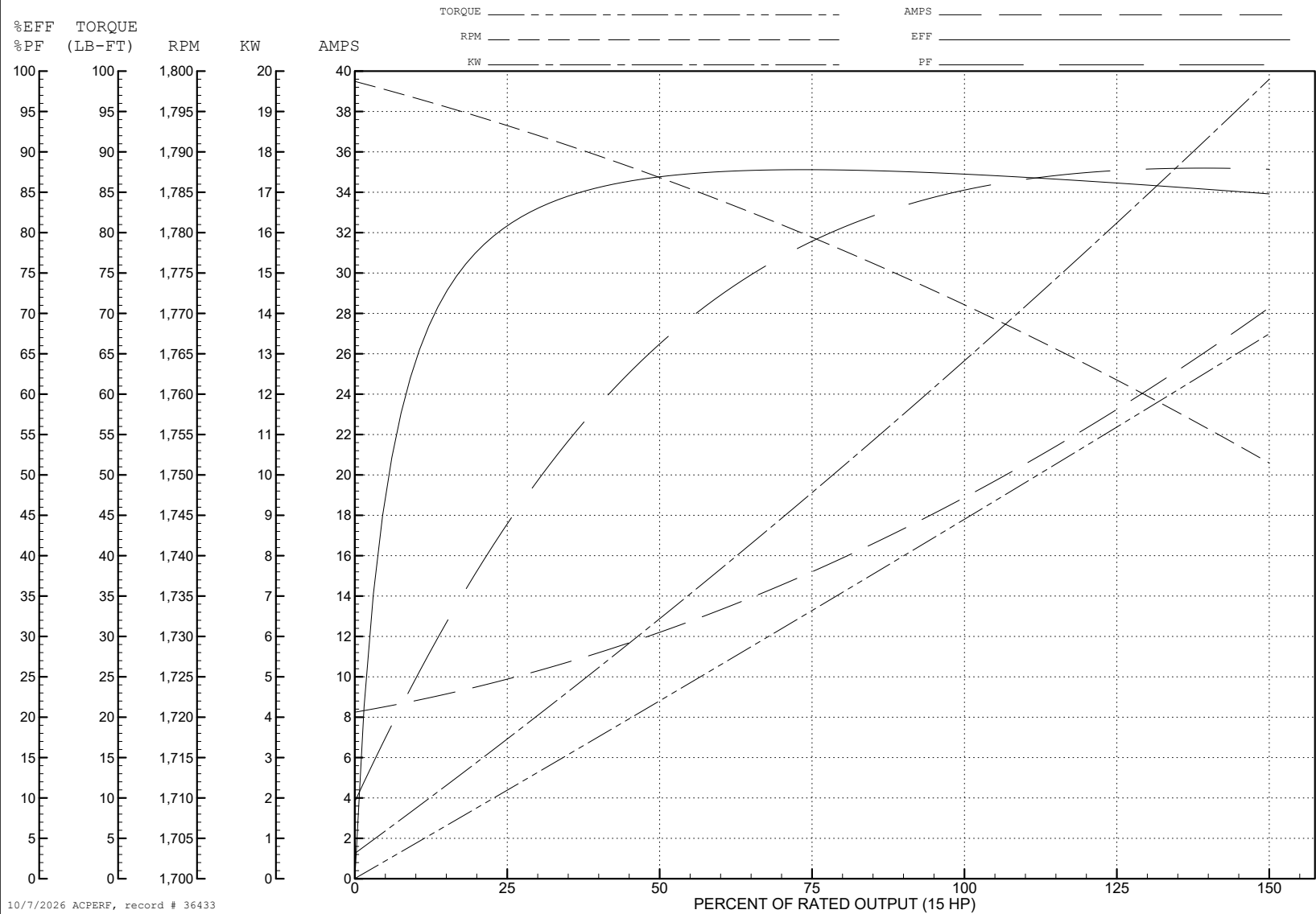
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WINDING # 09WGX235

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1771 RPM 460 V 0944M

TORQUES (LB-FT): PO=135 PU=49.6 LR=73.6 LRA=129



AC Induction Motor Performance Data

Record # 36434

Typical performance - not guaranteed values

Winding: 09WGX235-R002			Type: 0944M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: Low Speed Connection					
Rated Output (HP)		15/7.5	Full Load Torque		45 LB-FT			
Volts		460	Start Configuration		direct on line			
Full Load Amps		19.2/16.8	Breakdown Torque		122.2 LB-FT			
R.P.M.		1760/875	Pull-up Torque		49.9 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		57.2 LB-FT		
NEMA Design Code		A	KVA Code	H	Starting Current		67.1 A	
Service Factor (S.F.)		1.15	No-load Current		13.84 A			
NEMA Nom. Eff.		0	Power Factor		0	Line-line Res. @ 25°C		1.585 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		84°C	
S.F. Amps			Temp. Rise @ S.F. Load		95°C			
			Locked-rotor Power Factor		42.2			

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	21	33	44	52	59	63	56
Efficiency	59.6	73.3	78.3	80.3	80.7	80.2	80.5
Speed	896	892	887	882	876	870	878
Line amperes	14	14.59	15.52	16.8	18.57	20.59	17.9

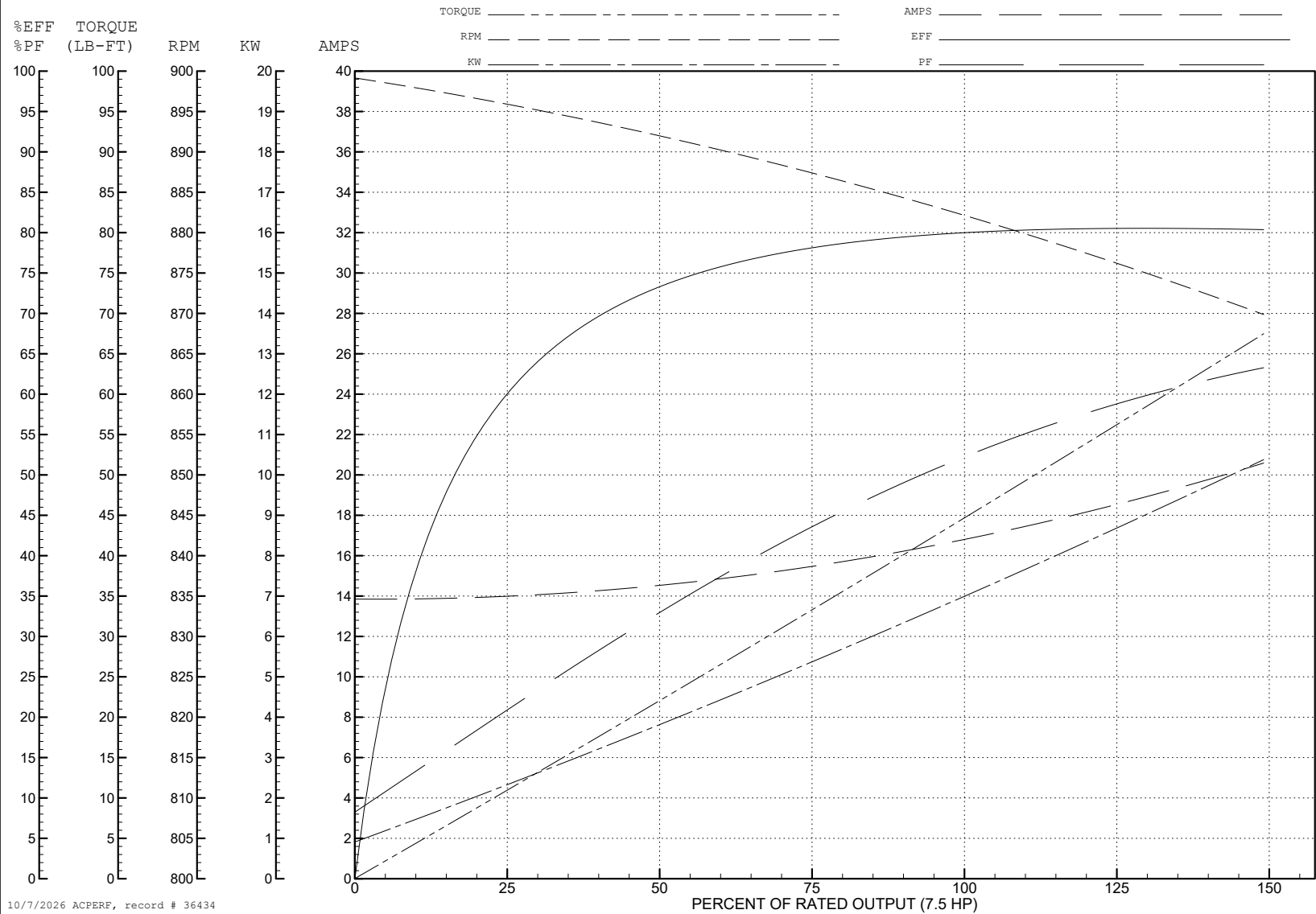
ABB Motors and Mechanical Inc.

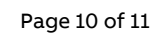
WINDING # 09WGX235

Typical performance - not guaranteed values.

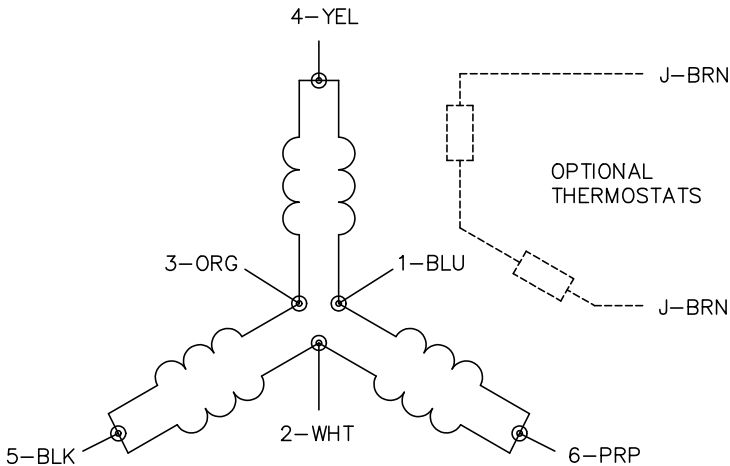
7.5 HP 3 PH 60 HZ 882 RPM 460 V 0944M

TORQUES (LB-FT): PO=122.2 PU=49.9 LR=57.2 LRA=67.1

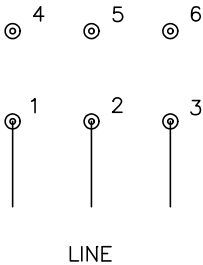




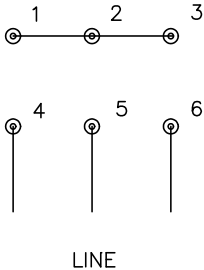
CD0011



LOW SPEED
(1D)



HIGH SPEED
(2Y)



- 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 BE A MULTIPLE OF THOSE SHOWN ABOVE.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: F	BY: JLP	REVISED: 01/21/99 5:04	TDR: 0171435
110000		FILE: DWG\142.wg	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING CONSTANT TORQUE

CD0011