

ABB BALDOR RELIANCE III

Customer information packet

EM7134T

1.5HP, 1765RPM, 3PH, 60HZ, 145T, 0526M, XPFC, F

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	145T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UL
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	4.600 A @ 230.0 V 4.600 A @ 208.0 V 2.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	M
Type	AC
Mech. spec.	05E346
Base	
Status	NLA/A
Elec. spec.	05WGX163
Layout	05LYE346
Eff. date	01-18-2023
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	06-01-2011

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	2.3 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No 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	X0526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.28 IN
Power Factor	71
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
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	1765 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

NP1426XPSLEV										
NO.		CC	010A							
SER.										
SPEC.	05E346X163G1									
CAT.NO.	EM7134T									
HP	1.5	T. CODE			T3C					
VOLTS	208-230/460									
AMPS	4.6/2.3									
RPM	1765									
HZ	60	PH	3	CL	B					
SER.F.	1.00	DES		B	CODE			M		
RATING	40C AMB-CONT									
FRAME	145T	NEMA-NOM-EFF							86.5	
PF	71									
BLANK										

AC Induction Motor Performance Data

Record # 35532

Typical performance - not guaranteed values

Winding: 05WGX163-R002			Type: 0526M		Enclosure: XPFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1.5	Full Load Torque		4.54 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		4.6/2.3	Breakdown Torque		21.7 LB-FT		
R.P.M.		1765	Pull-up Torque		12.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		15 LB-FT	
NEMA Design Code		B	KVA Code		M		
Service Factor (S.F.)		1	Starting Current		20.7 A		
NEMA Nom. Eff.		86.5	Power Factor		71		
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		34°C
S.F. Amps					Temp. Rise @ S.F. Load		40°C

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	31	49	62	71	77	80
Efficiency	74.5	83.1	85.9	87	86.6	86
Speed	1792	1783	1774	1764	1754	1743
Line amperes	1.61	1.77	2.03	2.32	2.69	3.09

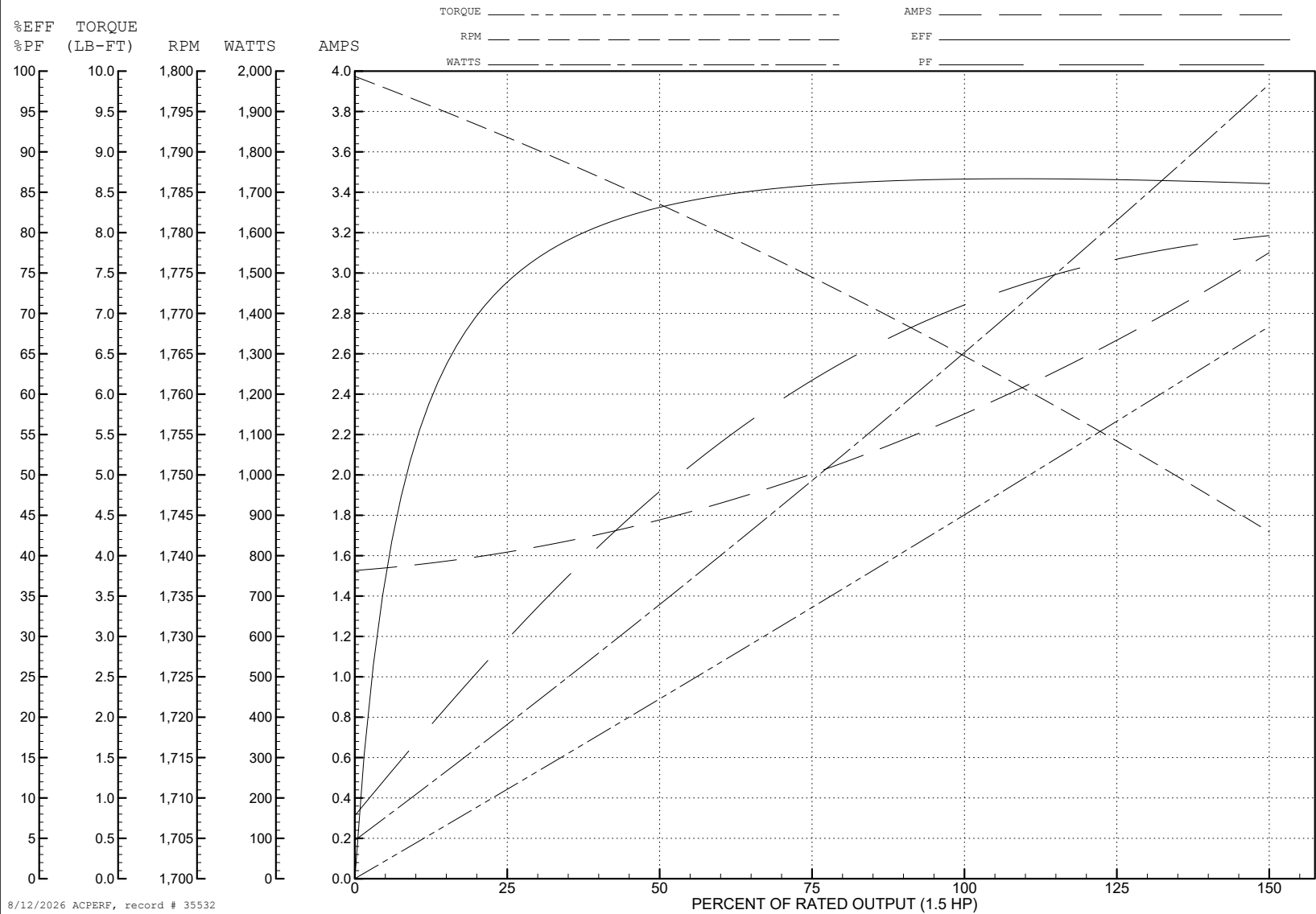
ABB Motors and Mechanical Inc.

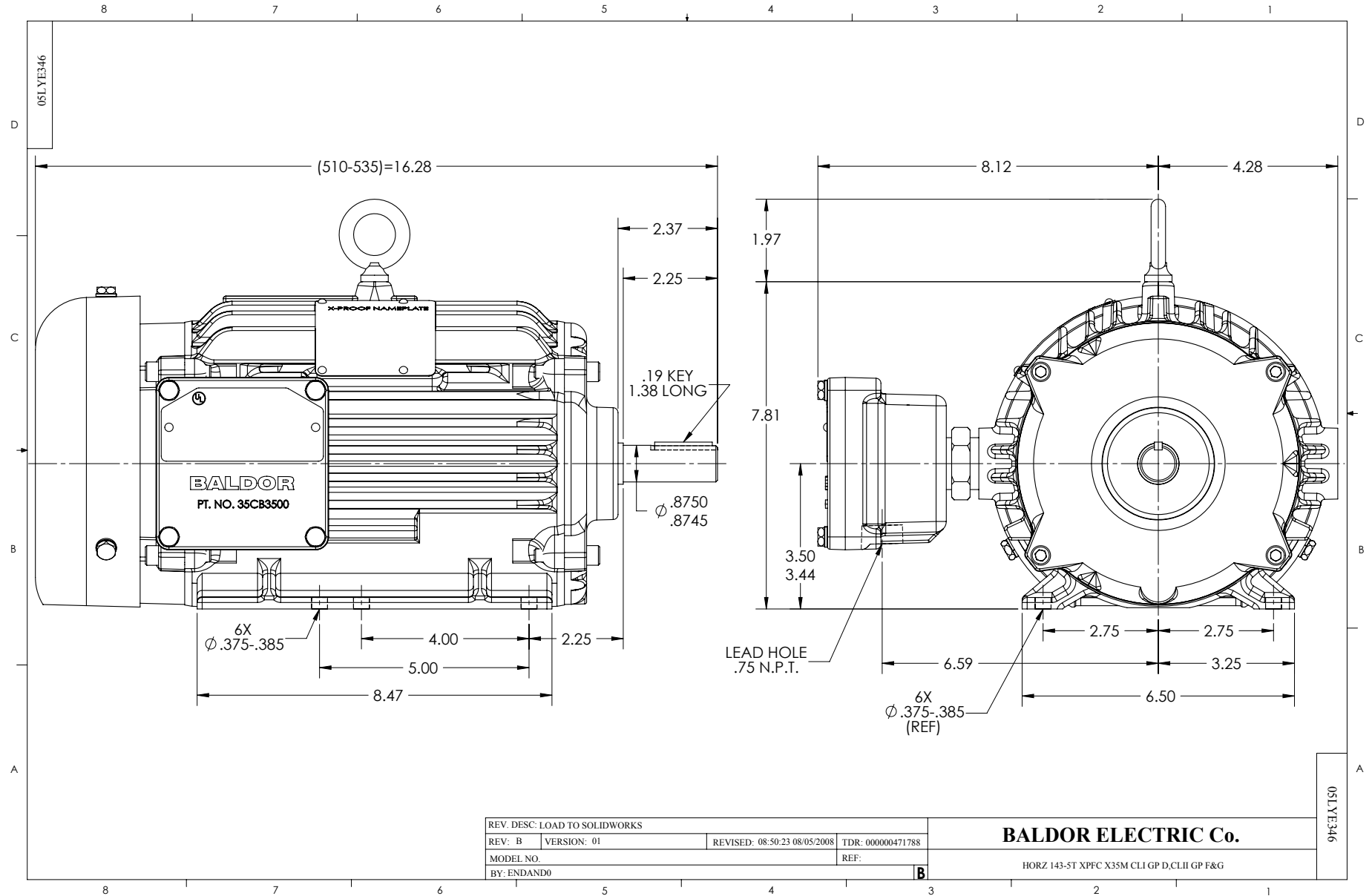
WINDING # 05WGX163

Typical performance - not guaranteed values.

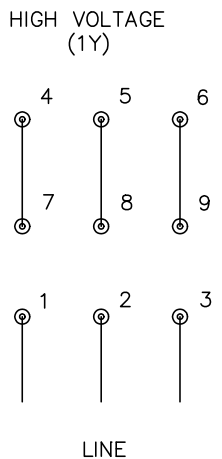
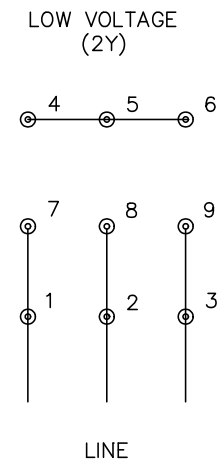
1.5 HP 3 PH 60 HZ 1765 RPM 460 V 0526M

TORQUES (LB-FT): PO=21.7 PU=12.3 LR=15 LRA=20.7





CD0005



- 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: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

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