

ABB BALDOR RELIANCE III

Customer information packet

CTM1760T

10/2.5HP, 1760/875RPM, 3PH, 60HZ, 0748M, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	213T
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	2.500 HP @ 60 HZ 10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 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	12.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.8 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K

Part Detail

Revision	B
Type	AC
Mech. spec.	07N044
Base	
Status	PRD/A
Elec. spec.	07WGZ112
Layout	07LYN044
Eff. date	07-08-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#14
Proprietary	False
Created date	12-14-2020

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0748M
Mounting Arrangement	F1
Number of Poles	4 8
Overall Length	19.32 IN
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 rpm 875 rpm
Speed Code	2S-1W-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

NP2134									
CAT.NO.	CTM1760T								
SPEC.	07N044Z112G1								
HP	10/2.5								
VOLTS	460								
AMP	12.8/4.8								
RPM	1760/875								
FRAME	213T	HZ		60		PH		3	
SER.F.	1.15	CODE		K	DES		B	CL	F
NEMA-NOM-EFF	PF								
RATING	40C AMB-CONT								
CC									
DE	6307	ODE		6206					
ENCL	TEFC	SN							
	SFA 14.7/5.4								

AC Induction Motor Performance Data

Record # 85819

Preliminary Data Sheet

Winding: 07WGZ112-R001			Type: 0748M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Speed Connection		
Rated Output (HP)		10/2.5		Full Load Torque		29.87 LB-FT
Volts		460		Start Configuration		direct on line
Full Load Amps		12.8/4.8		Breakdown Torque		104 LB-FT
R.P.M.		1760/875		Pull-up Torque		40.34 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		91.1 LB-FT
NEMA Design Code		B	KVA Code	Starting Current		108 A
Service Factor (S.F.)		1.15		No-load Current		4.74 A
NEMA Nom. Eff.		0	Power Factor	Line-line Res. @ 25°C		1.17 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		85°C
S.F. Amps		14.7/5.4		Temp. Rise @ S.F. Load		104°C
				Locked-rotor Power Factor		46
				Rotor inertia		1.19 lb-ft²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	70	78	83	84	84	84
Efficiency	85.4	89.4	89.4	88.1	86.3	83.9	87
Speed	1791	1781	1771	1759	1747	1731	1752
Line amperes	5.56	7.51	9.89	12.83	16.03	19.93	14.8

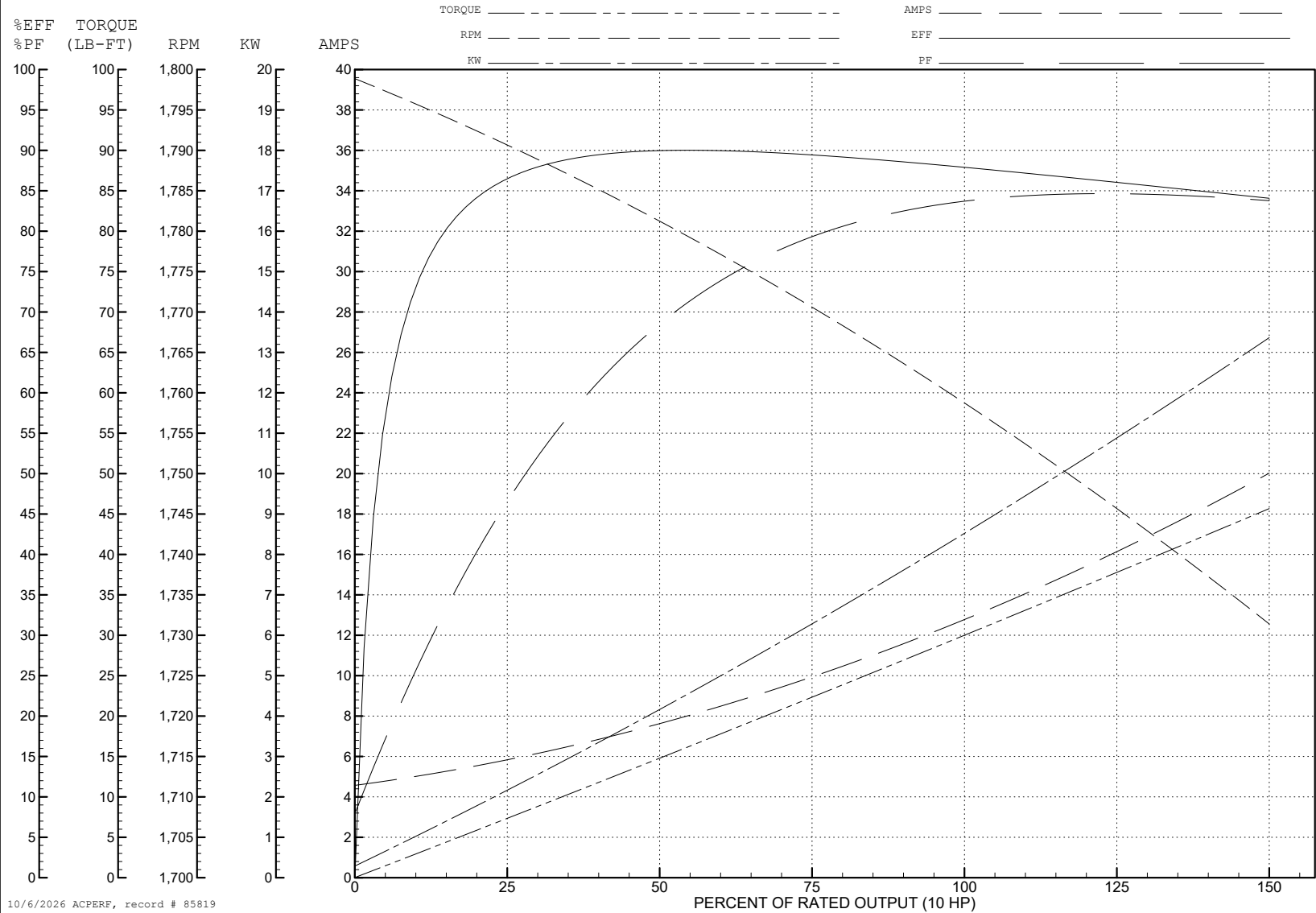
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WINDING # 07WGZ112

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1759 RPM 460 V 0748M

TORQUES (LB-FT): PO=104 PU=40.34 LR=91.1 LRA=108



10/6/2026 ACPERF, record # 85819

AC Induction Motor Performance Data

Record # 85820

Preliminary Data Sheet

Winding: 07WGZ112-R001			Type: 0748M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: Low Speed Connection				
Rated Output (HP)		10/2.5	Full Load Torque		14.9 LB-FT		
Volts		460	Start Configuration		direct on line		
Full Load Amps		12.8/4.8	Breakdown Torque		36.1 LB-FT		
R.P.M.		1760/875	Pull-up Torque		17.3 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		27.1 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		18.6 A
Service Factor (S.F.)		1.15		No-load Current		3.36 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		4.68 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		43°C	
S.F. Amps		14.7/5.4		Temp. Rise @ S.F. Load		51°C	
				Locked-rotor Power Factor		46	
				Rotor inertia		1.19 lb-ft²	

Load Characteristics 460 V, 60 Hz, 2.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	23	38	50	59	65	68	63
Efficiency	74	83.1	85.9	86.7	86.5	85.7	86.6
Speed	895.4	891.1	886.4	881.4	875.7	869.1	878
Line amperes	3.45	3.69	4.07	4.59	5.22	5.99	4.97

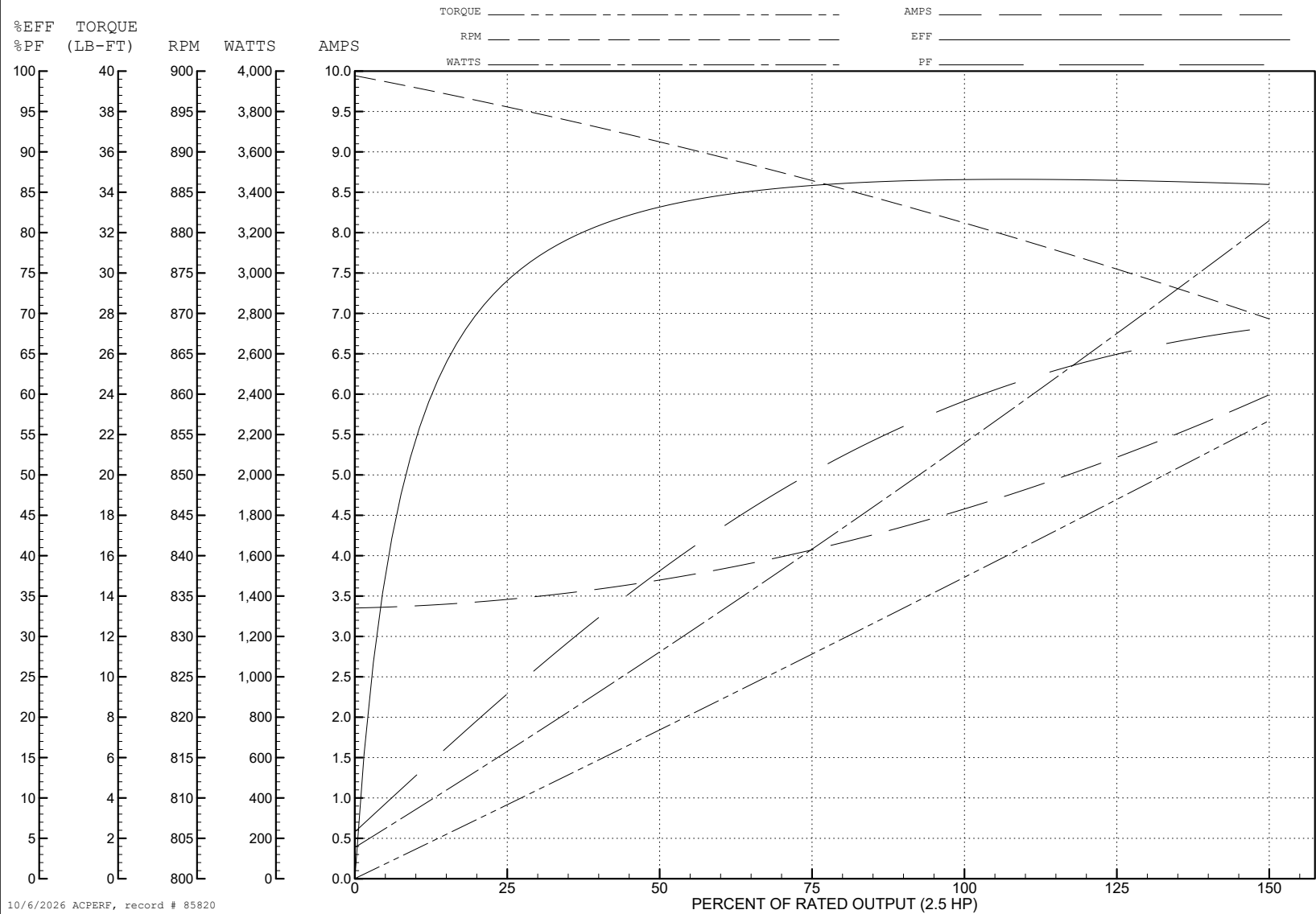
ABB Motors and Mechanical Inc.

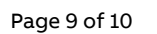
WINDING # 07WGZ112

Typical performance - not guaranteed values.

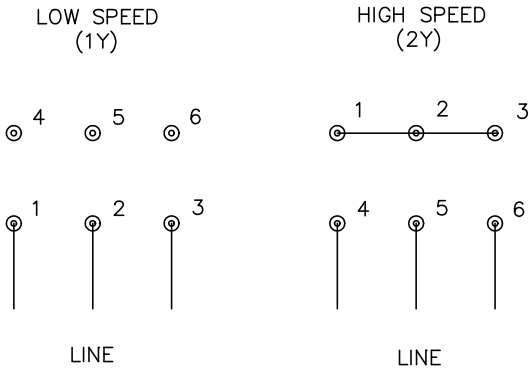
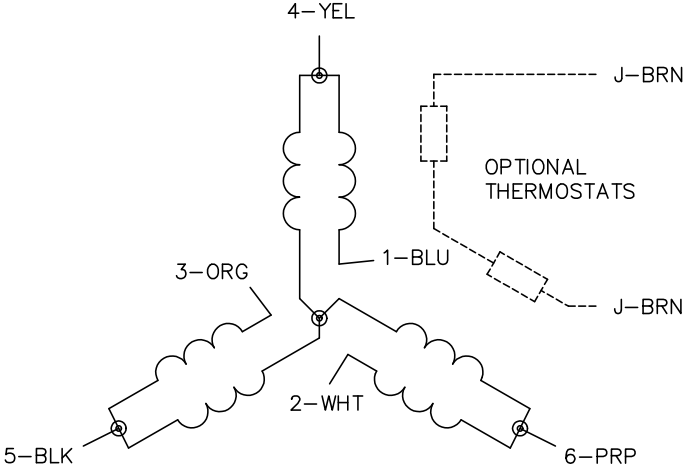
2.5 HP 3 PH 60 HZ 881.4 RPM 460 V 0748M

TORQUES (LB-FT): PO=36.1 PU=17.3 LR=27.1 LRA=18.6





CD0032



- 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: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

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

CD0032