

ABB BALDOR RELIANCE III



Customer information packet

M1009T

7.5/1.9HP, 1730/860RPM, 3PH, 60HZ, 213T, 3734

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	213T
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	7.500 HP @ 60 HZ 1.900 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 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	18.600 A @ 230.0 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	7.3 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J

Part Detail

Revision	C
Type	AC
Mech. spec.	37B001
Base	
Status	PRD/A
Elec. spec.	37WGZ660
Layout	37LYB001
Eff. date	09-05-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#12
Proprietary	False
Created date	12-14-2020

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3734M
Mounting Arrangement	F1
Number of Poles	4 8
Overall Length	16.32 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	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1730 rpm 860 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

NP1256L										
CAT.NO.	M1009T									
SPEC.	37B001Z660									
HP	7.5/1.9									
VOLTS	230									
AMP	18.6/7.3									
RPM	1730/860									
FRAME	213T		HZ	60		PH	3			
SER.F.	1.15	CODE	J	DES	B	CLASS	B			
NEMA-NOM-EFF		PF								
RATING	40C AMB-CONT									
CC										
DE	6307		ODE	6206						
ENCL	OPEN	SN								

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

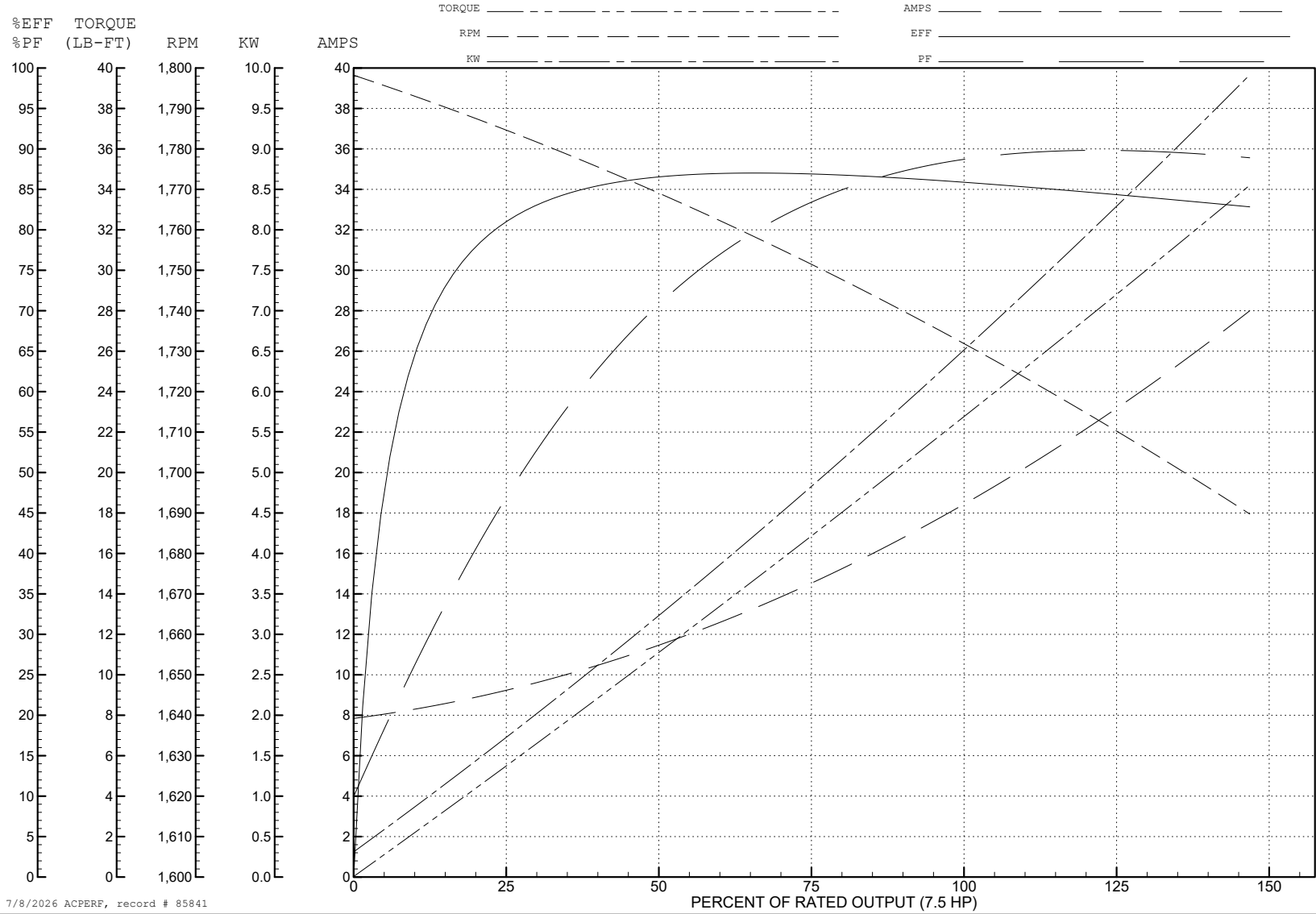
ABB Motors and Mechanical Inc.

WINDING # 37WGZ660

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1732 RPM 230 V 3734M

TORQUES (LB-FT): PO=71.84 PU=59.18 LR=66.32 LRA=139



7/8/2026 ACPERF, record # 85841

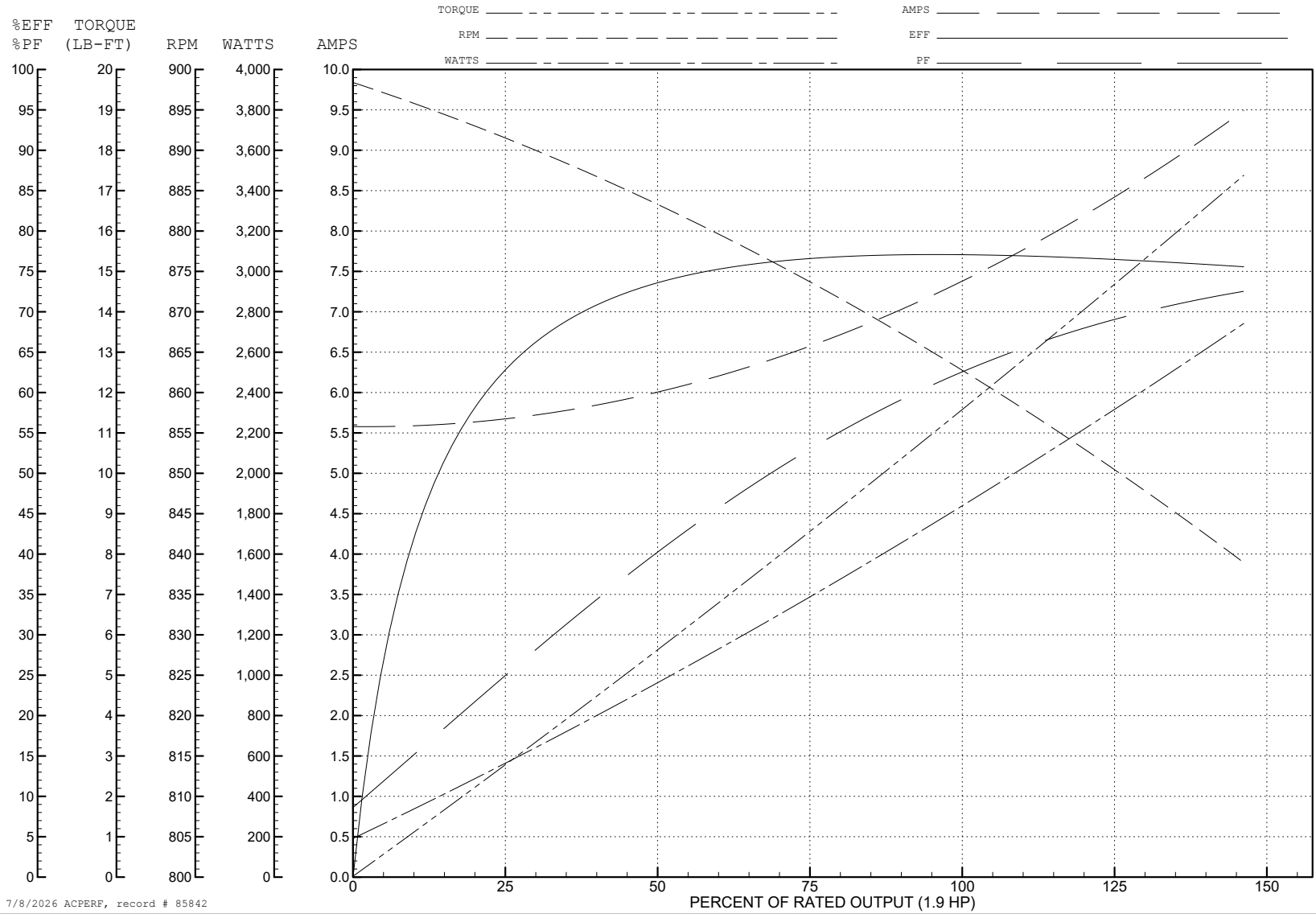
ABB Motors and Mechanical Inc.

WINDING # 37WGZ660

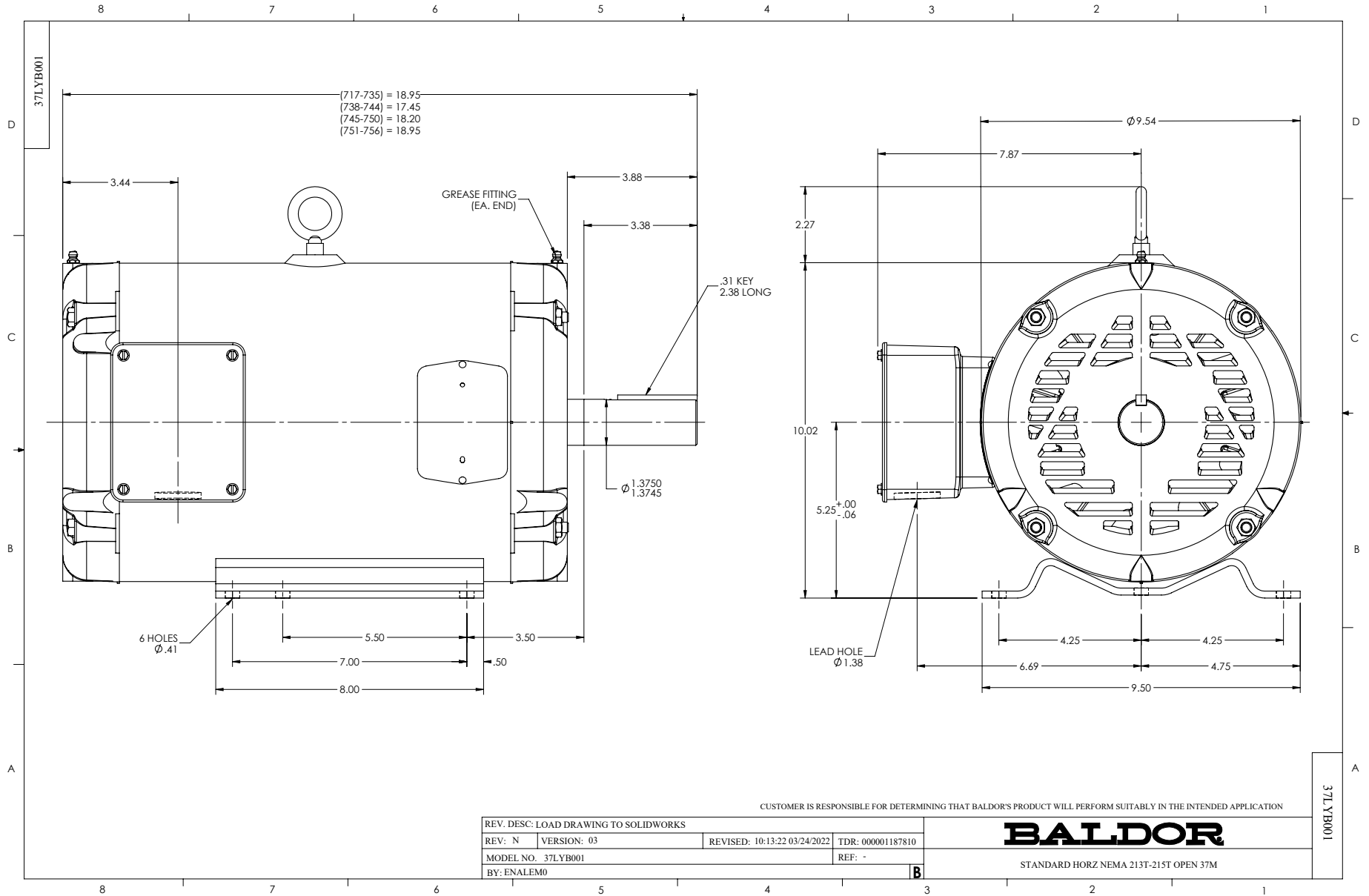
1.9 HP 3 PH 60 HZ 864 RPM 230 V 3734M

Typical performance - not guaranteed values.

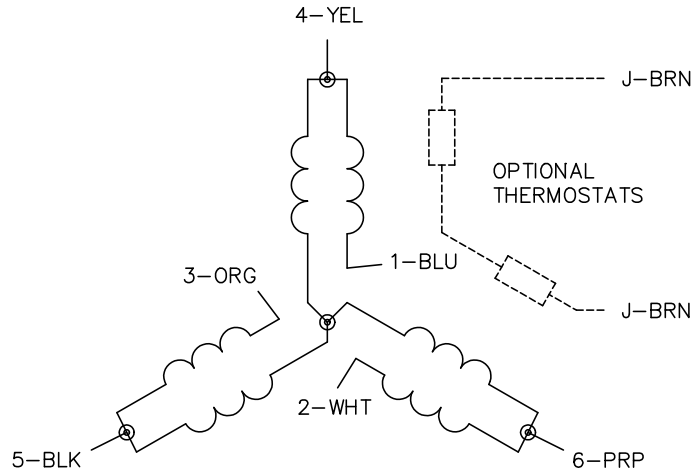
TORQUES (LB-FT): PO=31.64 PU=21.87 LR=24.3 LRA=34.15



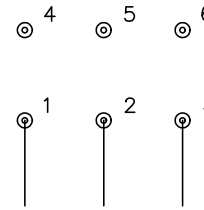
7/8/2026 ACPERF, record # 85842



CD0032

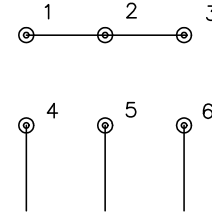


LOW SPEED
(1Y)



LINE

HIGH SPEED
(2Y)



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

CD0032

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