

ABB BALDOR RELIANCE III

Customer information packet

VXM050742A

0.75HP, 1725RPM, 3PH, 60HZ, 56C, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
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	.750 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.500 A @ 460.0 V 3.000 A @ 230.0 V 3.200 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	73.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	34WG5721
Layout	34LY5336
Eff. date	05-01-2024
CD Diagram	CD0007
Poles	04
Leads	12#18
Proprietary	False
Created date	08-04-2020

High Voltage Full Load Amps	1.5 a
Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3420M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.22 IN
Power Factor	58
Product Family	Hazardous Location Motor
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload
Winding Thermal 1 Location	EP
Winding Thermal 2	None

Nameplate

NP0016XPSL				
NO.		CC		
SER. #				
SPEC	34-0000-0388			
CAT.NO.	VXM050742A			
H.P.	.75	T. CODE	T3C	
VOLTS	208-230/460			
AMPS	3.2-3/1.5			
R.P.M.	1725 34WG5721			
HZ	60	PH	3	CLASS B
SER.F.	1.00	DES	B	CODE K
RATING	40C AMB-CONT			
FRAME	56C	NEMA NOM. EFF	73	
	PF	58		
BLANK	NEMA MG-1 PART 5, IP54			

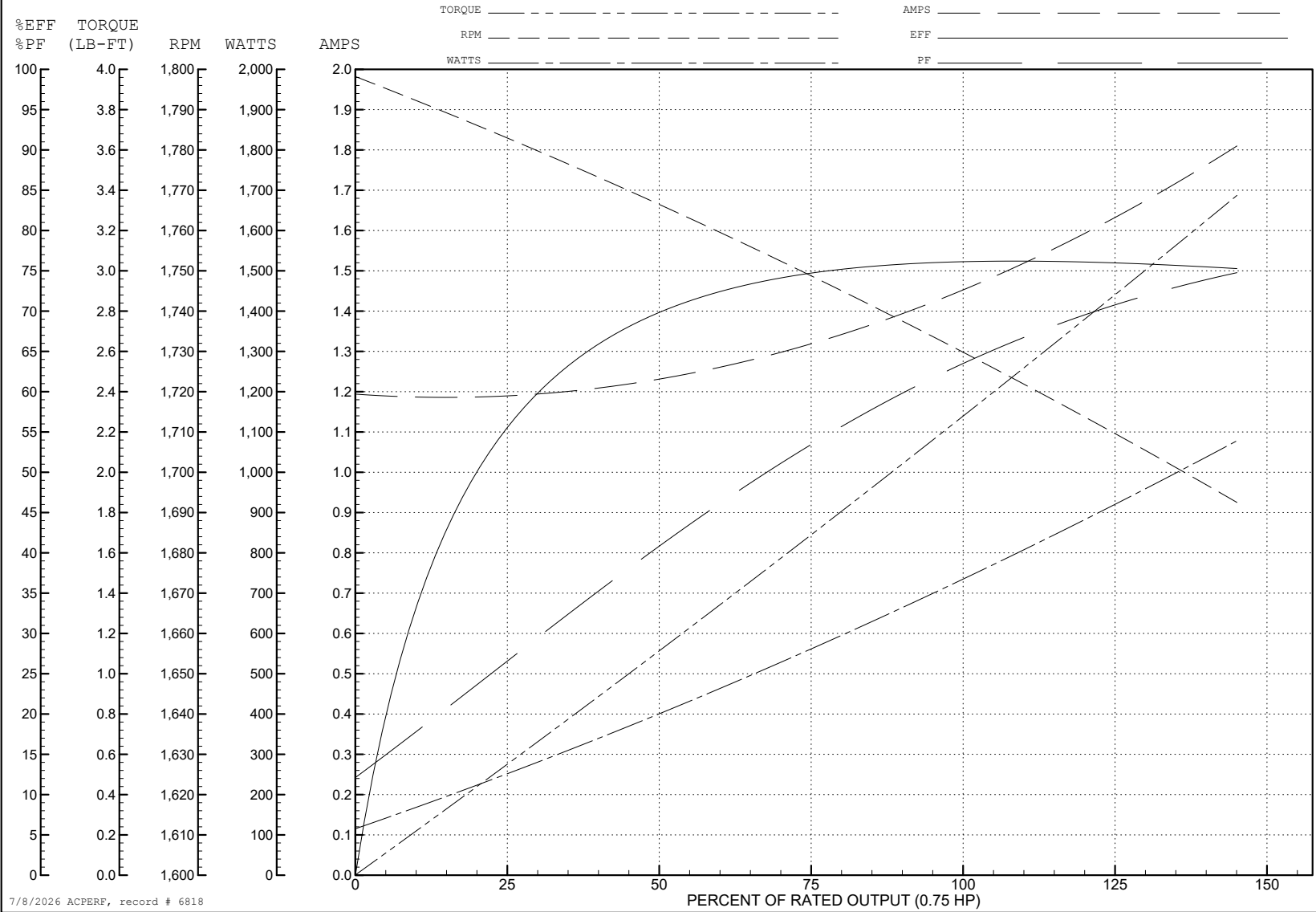
ABB Motors and Mechanical Inc.

WINDING # 34WG5721

0.75 HP 3 PH 60 HZ 1725 RPM 460 V 3420M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=10 PU=8.5 LR=8.8 LRA=10



7/8/2026 ACPERF, record # 6818

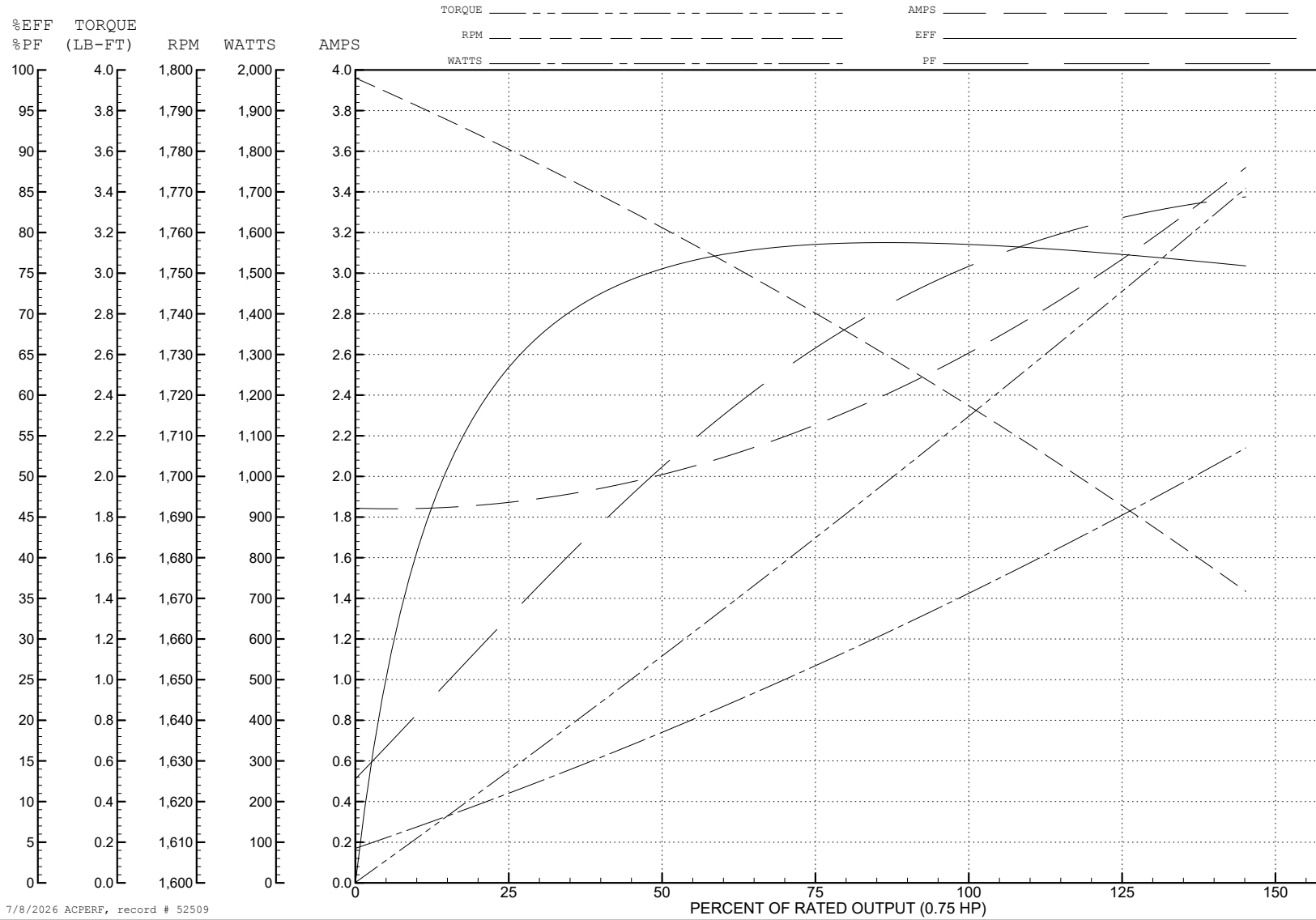
ABB Motors and Mechanical Inc.

WINDING # 34WG5721

0.75 HP 3 PH 60 HZ 1725 RPM 208 V 3420M

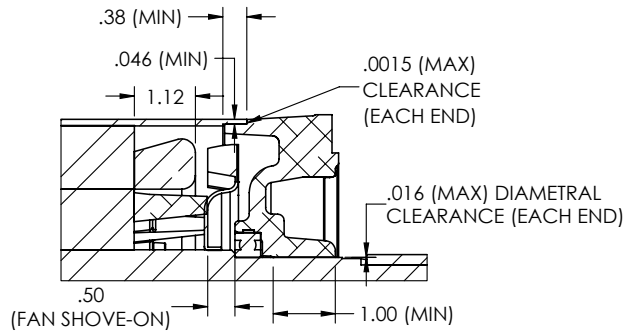
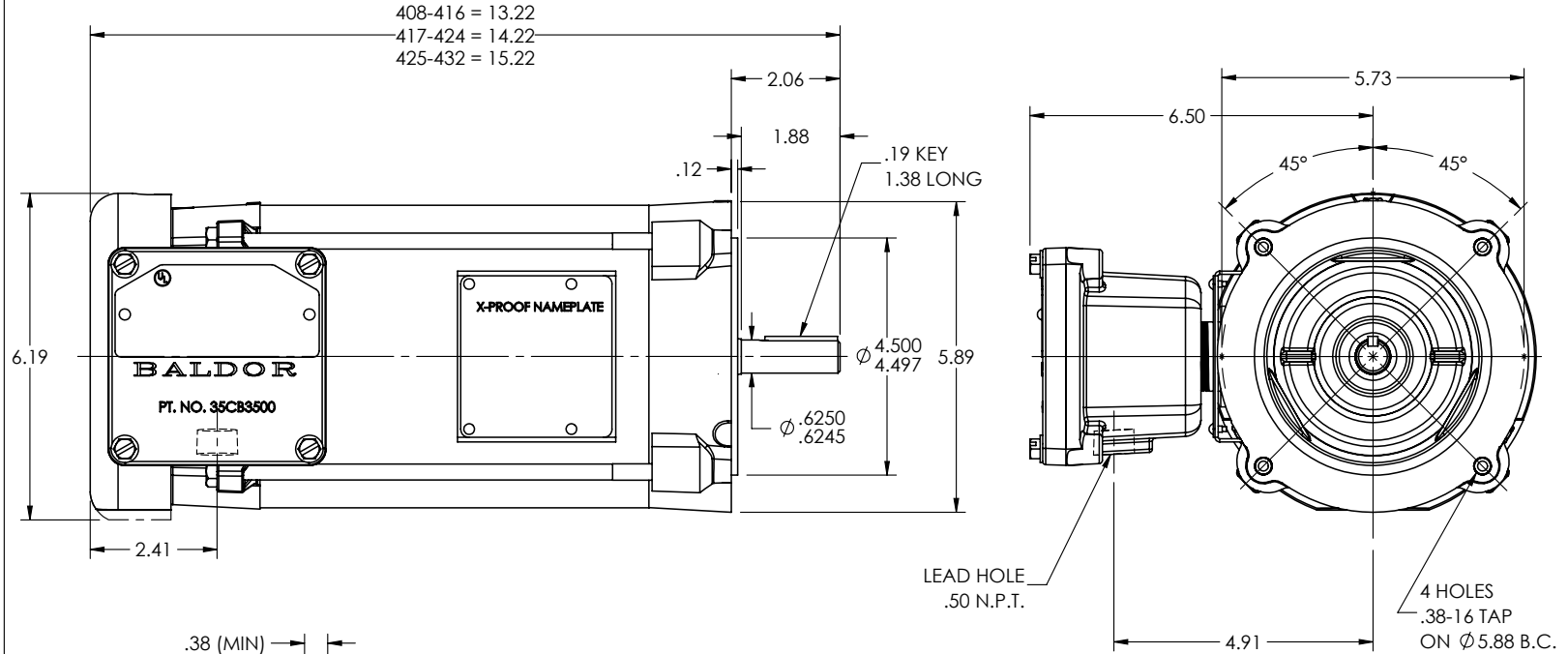
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=8.04 PU=6.66 LR=6.89 LRA=17.58



7/8/2026 ACPERF, record # 52509

34LY5336



PULLEY END DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

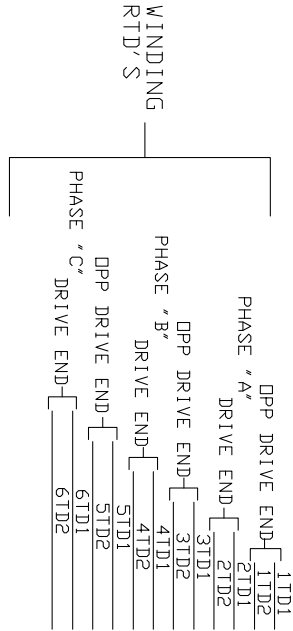
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REV: L	VERSION: 08	REVISED: 08:27:57 04/05/2023	TDR: 000001201165
34LY5336	MODEL NO. 34LY5336	REF: -	
	BY: ENFRAJ0		

BALDOR - RELIANCE®

STD VERT X34M NEMA 56C TEFC W/ATO CL1 GP D, CL2 GP F & G

34LY5336

**A-C MOTOR
CONNECTION DIAGRAM**



418174-033

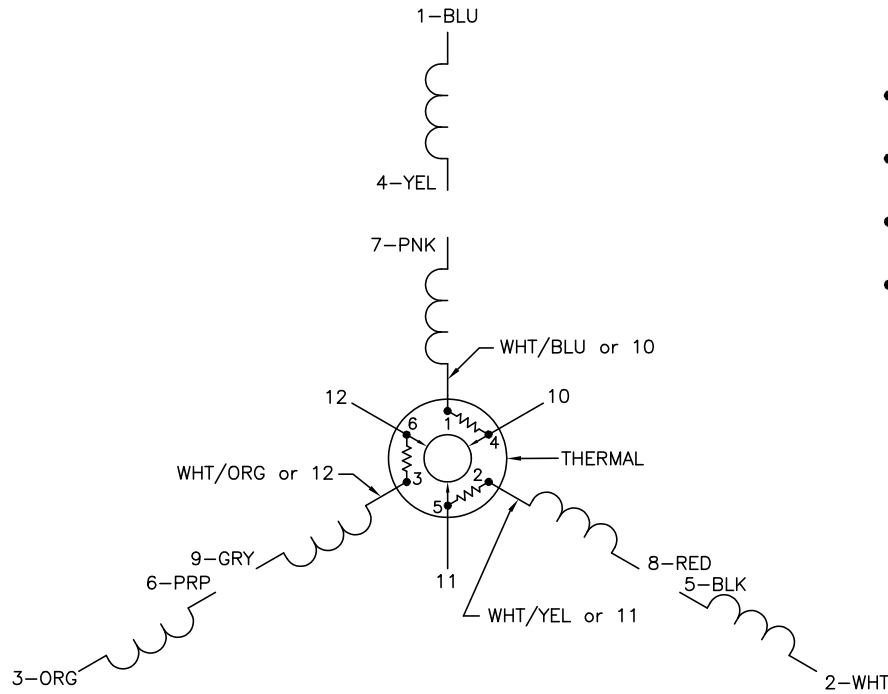
418174-033

CUSTOMER _____ CUSTOMER _____ S. O. NO. _____
 ORDER NO. _____
 APPROVED _____ SHEET NO. OF _____ D. O. DATE _____

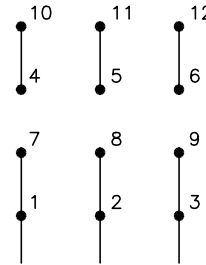
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REV. LTR: B	VERSION: 02	TDR: 00000797580
FILE: \RAG\00013\851	REVISED: 09:59:51 05/01/2013	BY: RAGJSS1
MTL: -		

BALDOR
A-C MOTOR CONNECTION DIAGRAM ACCESSORIES IN MAIN CONDUIT BOX
SH 1 of 1

CD0007

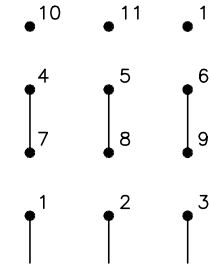


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0007

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
∟00000		FILE: AAA00008370	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS