BALDOR • RELIANCE

Product Information Packet

EHM3313T

10HP,1770RPM,3PH,60HZ,215T,3742M,OPSB,F1

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Part Detail

Revision:	B	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	37WGL868	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	37J637	**Layout:**	37LYJ637	**Poles:**	04	**Created Date:**	11-11-2020
Base:	RG	**Eff. Date:**	01-08-2021	**Leads:**	9#14		

Specs

Catalog Number:	EHM3313T	**Insulation Class:**	F
Enclosure:	OPSB	**Inverter Code:**	Inverter Ready
Frame:	215T	**KVA Code:**	H
Frame Material:	Steel	**Lifting Lugs:**	Standard Lifting Lugs
Output @ Frequency:	10.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	3742M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	CSA	**Power Factor:**	82
	UR	**Product Family:**	General Purpose
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	Standard
Base Indicator:	Rigid	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**RoHS Status:**	ROHS COMPLIANT
Current @ Voltage:	12.500 A @ 460.0 V	**Shaft Extension Location:**	Pulley End

	25.000 A @ 230.0 V
	26.400 A @ 208.0 V
Design Code:	B
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

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
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 NP2094E06B03

CAT.NO.	EHM3313T								
SPEC.	37J637L868G1								
HP	10								
VOLTS	230/460								
AMPS	25/12.5								
RPM	1770								
FRAME	215T	**HZ**	60	**PH**	3				
SER.F.	1.15	**CODE**	H	**DES**	B	**CL**	F		
NEMA-NOM-EFF	91.7	**PF**	82						
RATING	40C AMB-CONT								
CC	010A	**USABLE AT 208V**	26.4						
DE	6307	**ODE**	6206						
AUTO		**MANUAL**		**NONE**					
ENCL	OPSB	**SN**							
BLANK									

Parts List

Part Number	Description	Quantity
SA387945	SA 37J637L868G1	1.000 EA
RA378285	RA 37J637L868G1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
37CB3006	37 CB CASTING W/1.38 LEAD HOLE @ 6:00	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
37EP3203D00	MASTER,ODE,206 BRG,GREASER,RELIEF	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3204A00	MASTER,DE,307 BRG,GREASER,RELIEF,AEGIS H	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
91XN0540J08	SCREW, 5-40 X 1/2", FHC, AS	4.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
HA3104A35	THRUBOLT .31-18 X 13.687	4.000 EA
37AD2001A01	BAFFLE PLATE, PLASTIC 0.63" WIDTH	2.000 EA

Parts List (continued)

Part Number	Description	Quantity
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data
Record # 85454
Preliminary Data Sheet

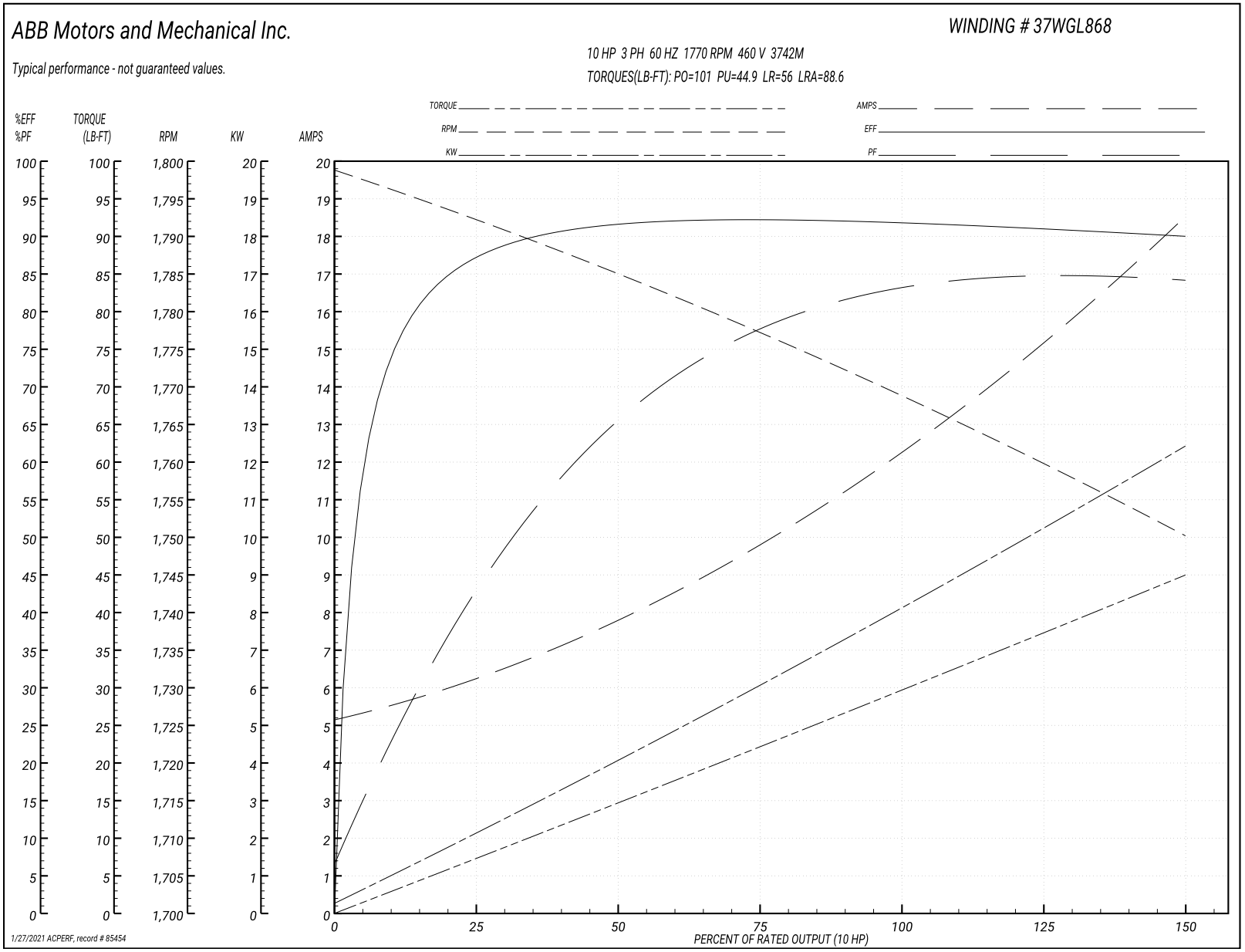
Winding: 37WGL868-RXXX	**Type:** 3742M	**Enclosure:** OPSB

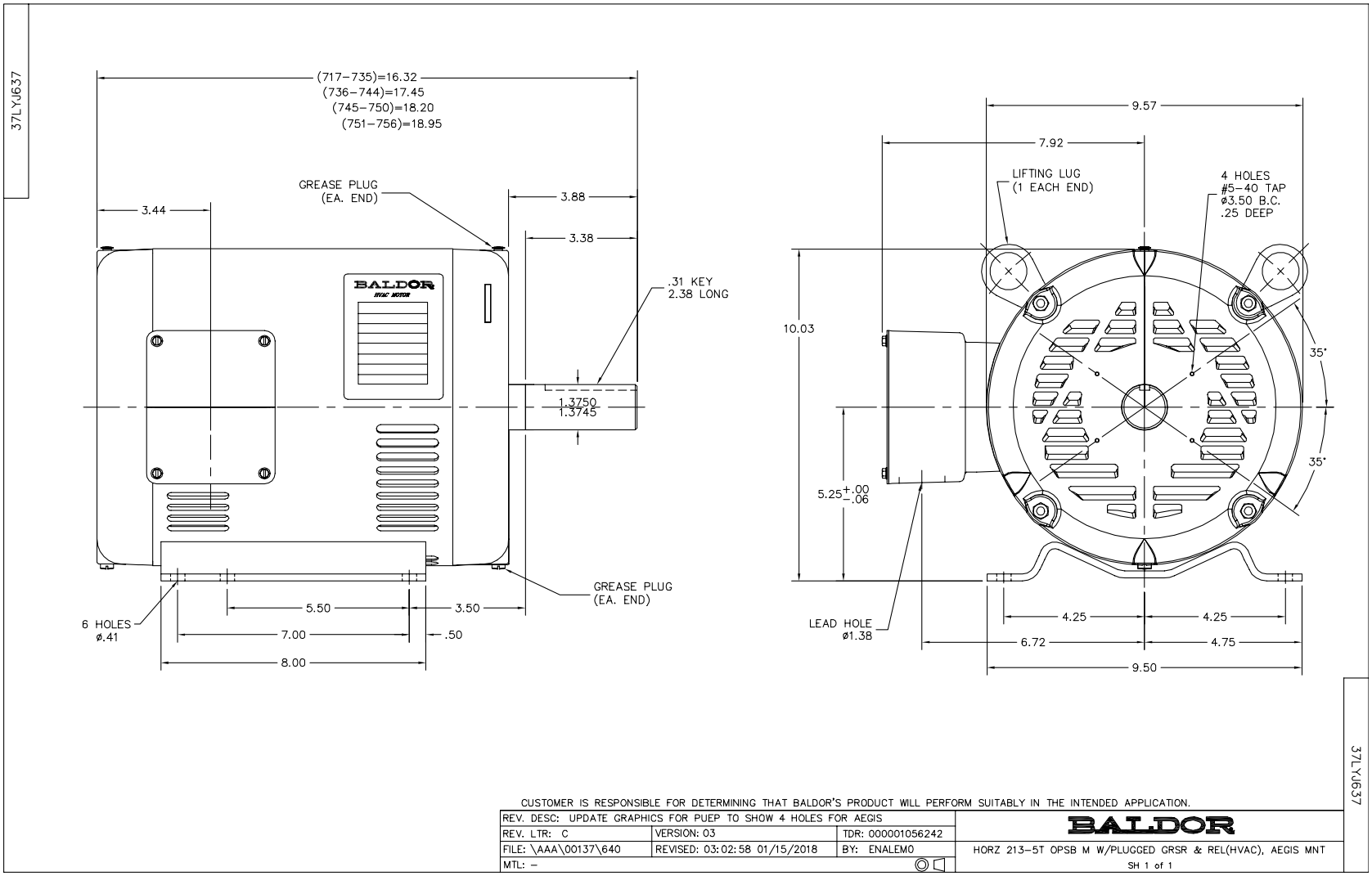
Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		10	**Full Load Torque**	29.8 LB-FT
Volts		230/460	**Start Configuration**	direct on line
Full Load Amps		25.0/12.5	**Breakdown Torque**	101 LB-FT
R.P.M.		1770	**Pull-up Torque**	44.9 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	56 LB-FT
NEMA Design Code	B **KVA Code**	H	**Starting Current**	88.6 A
Service Factor (S.F.)		1.15	**No-load Current**	5.31 A
NEMA Nom. Eff.	91.7 **Power Factor**	82	**Line-line Res. @ 25ºC**	1.18 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	35°C
S.F. Amps		28.0/14.0	**Temp. Rise @ S.F. Load**	44°C
			Locked-rotor Power Factor	42.6
			Rotor inertia	1.03 lb-ft²

Load Characteristics 460 V, 60 Hz, 10 HP

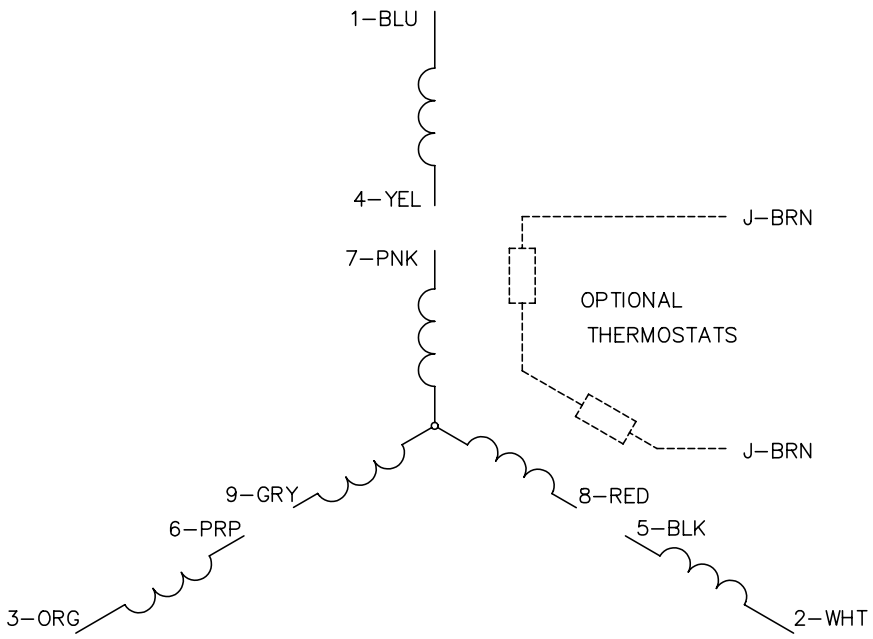
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	67	77	82	84	85	84
Efficiency	86.7	91.3	92.1	91.7	90.9	89.6	91.1
Speed	1792	1785	1777	1769	1760	1750	1762
Line amperes	6.04	7.69	9.84	12.4	15.3	18.4	14.1

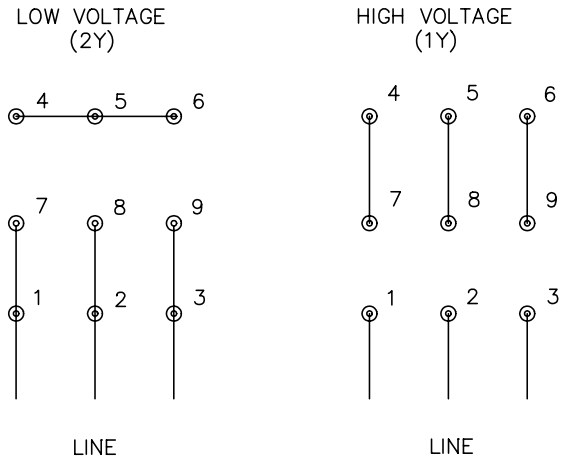
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values




37LYJ637
(717-735)=16.32
(736-744)=17.45
(745-750)=18.20
(751-756)=18.95
GREASE PLUG
(EA. END)
3.44
3.88
3.38
.31 KEY
2.38 LONG
BALDOR
HVAC MOTOR
1.3750
1.3745
GREASE PLUG
(EA. END)
6 HOLES
ø.41
5.50
3.50
7.00
.50
8.00
9.57
7.92
LIFTING LUG
(1 EACH END)
4 HOLES
#5-40 TAP
ø3.50 B.C.
.25 DEEP
10.03
35°
35°
5.25 +.00 -.06
LEAD HOLE
ø1.38
4.25
4.25
6.72
4.75
9.50
37LYJ637
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: UPDATE GRAPHICS FOR PUEP TO SHOW 4 HOLES FOR AEGIS
REV. LTR: C
VERSION: 03
TDR: 000001056242
FILE: \AAA\00137\640
REVISED: 03:02:58 01/15/2018
BY: ENALEM0
MTL: –
BALDOR
HORZ 213-5T OPSB M W/PLUGGED GRSR & REL(HVAC), AEGIS MNT
SH 1 of 1

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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS