Customer information packet

EM31156

1HP, 1170RPM, 3PH, 60HZ, 56H, 3526M, ODP, F1, N
Class - None
Division - Not Applicable

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11/1/2026 7:47:05 AM

Specifications

Enclosure	ODP
Frame	56H
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	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
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	1.500 A @ 460.0 V
	3.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	F
Type	AC
Mech. spec.	35J382
Base	
Status	PRD/A
Elec. spec.	35WGG019
Layout	35LYJ382
Eff. date	01-08-2026
CD Diagram	CD0005
Poles	06
Leads	9#18 Y
Proprietary	False
Created date	09-09-2022

KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	11.75 IN
Power Factor	67
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	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1170 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	None
Winding Thermal 2	None

Nameplate

NP3155LUA									
CAT.NO.	EM31156								
SPEC.	35J382G019G1								
HP	1								
VOLTS	230/460								
AMPS	3/1.5								
RPM	1170								
FRAME	56H	**HZ**	60			**PH**	3		
SF	1.15	**CODE**	J	**DES**	B	**CLASS**	F		
F.L. AVG. EFF.	82.5	**PF**	67						
RATING	40C AMB-CONT								
CC									
DE	6205	**ODE**	6203						
ENCL	ODP	**SN**							
USABLE AT	N/A								

Parts List

Part number	Description	Quantity
SA407336	SA 35J382G019G1	1.000 ea
RA398835	RA 35J382G019G1	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 ea
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3209G00	MASTER ODE,203 BRG	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3210B00	MASTER DE,205 BRG,1.000SH	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.017 ga
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
NP3155LUA	ALUM SUPER-E UL CC "SEMS" "USABLE AT" VE	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	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 # 82288
Typical performance - not guaranteed values

Winding: 35WGG019-R003 **Type:** 3526M **Enclosure:** OPEN

Nameplate Data			
Rated Output (HP)			1
Volts			230/460
Full Load Amps			3.0/1.5
R.P.M.			1155
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	J
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	4.479 LB-FT
Start Configuration	direct on line
Breakdown Torque	11.9 LB-FT
Pull-up Torque	7.06 LB-FT
Locked-rotor Torque	8.62 LB-FT
Starting Current	9.06 A
No-load Current	1.02 A
Line-line Res. @ 25ºC	20.372 Ω
Temp. Rise @ Rated Load	46°C
Temp. Rise @ S.F. Load	56°C
Locked-rotor Power Factor	48

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	47	1	1	1	1	1
Efficiency	73.5	81.9	83.5	83.1	81.6	79.1	82.2
Speed	1192.5	1185.4	1177.6	1168.7	1159	1147	1163
Line amperes	1.07	1.21	1.41	1.67	1.98	2.35	1.86

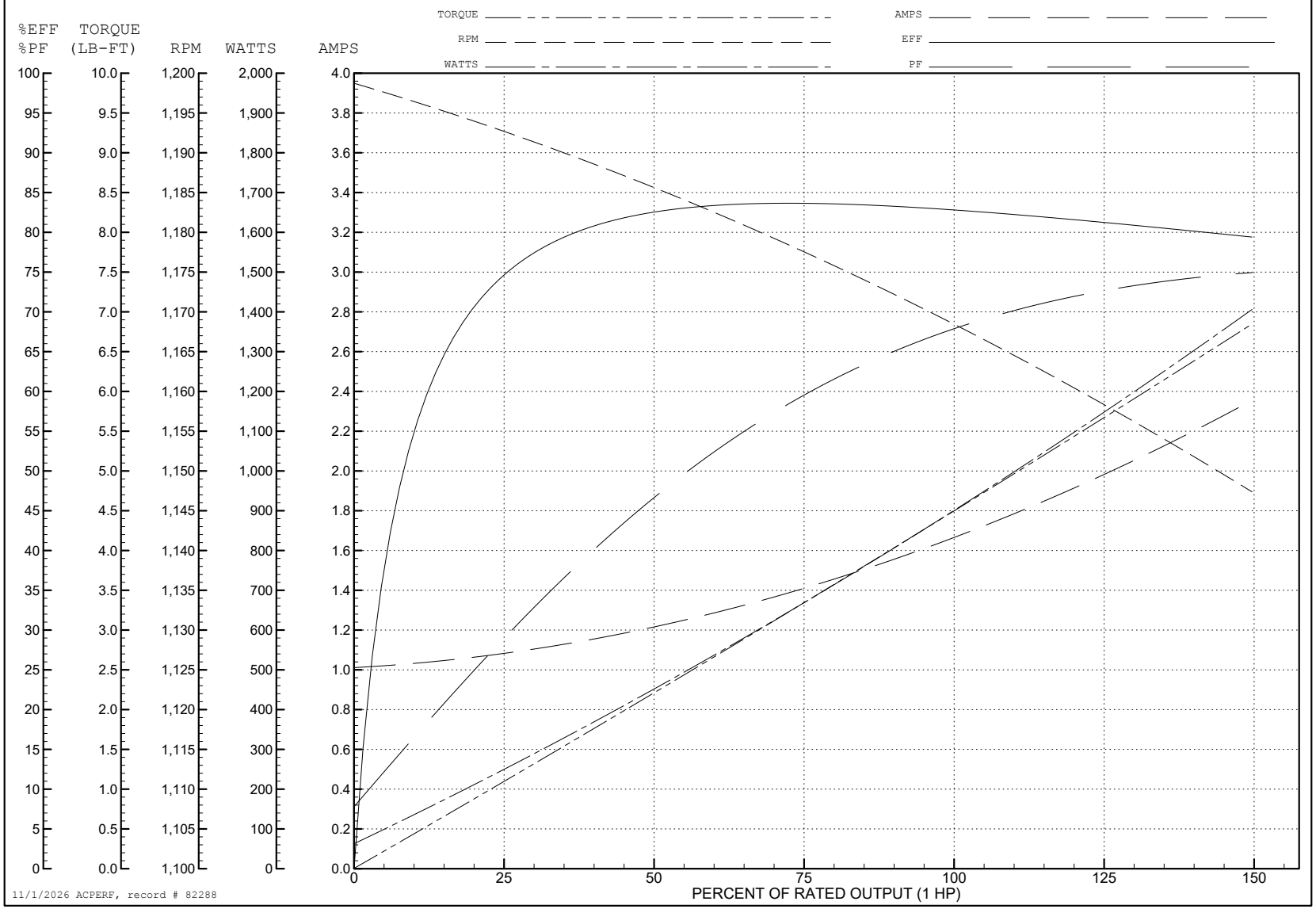
ABB Motors and Mechanical Inc.

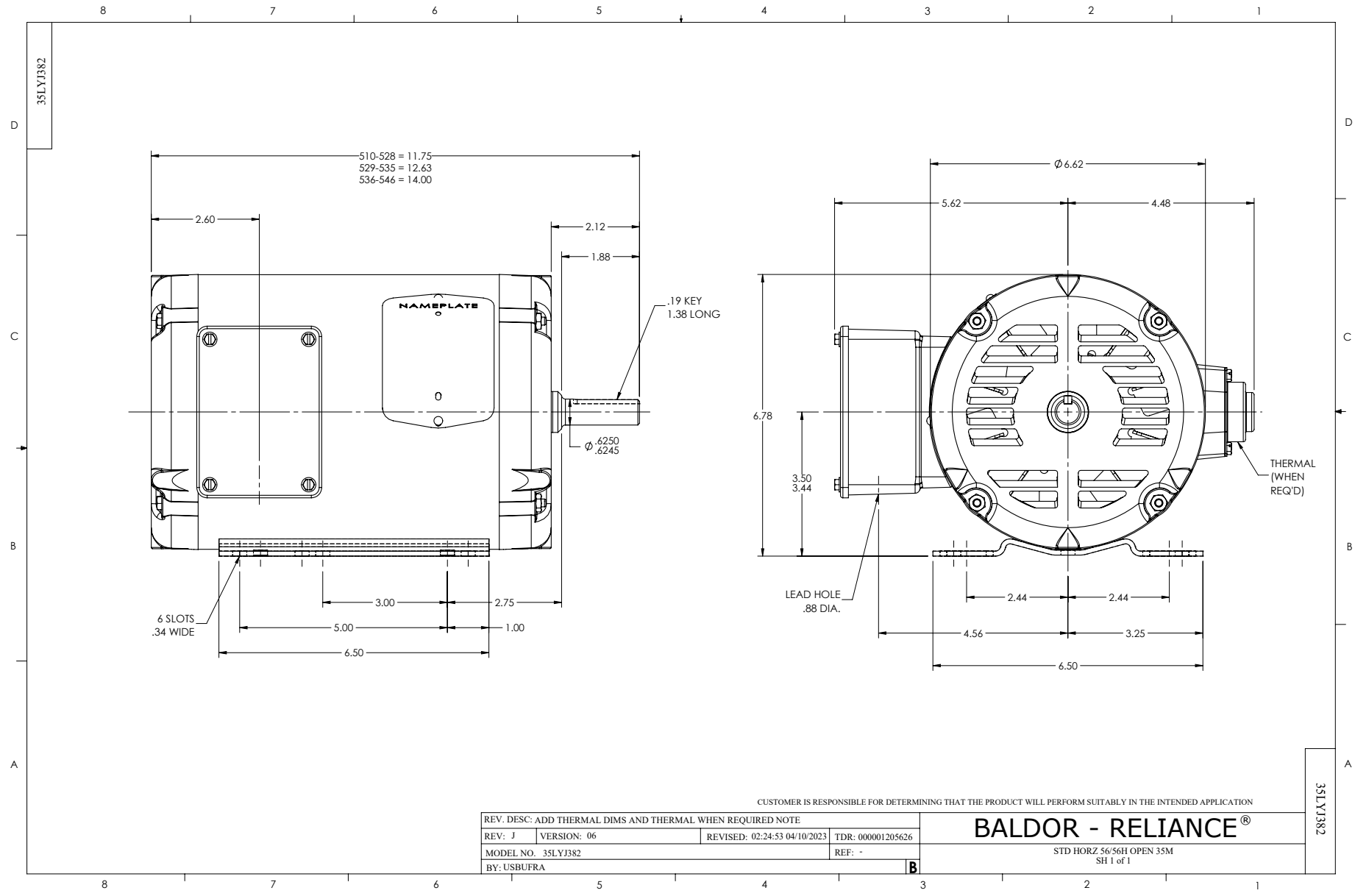
WINDING # 35WGG019

1 HP 3 PH 60 HZ 1155 RPM 460 V 3526M

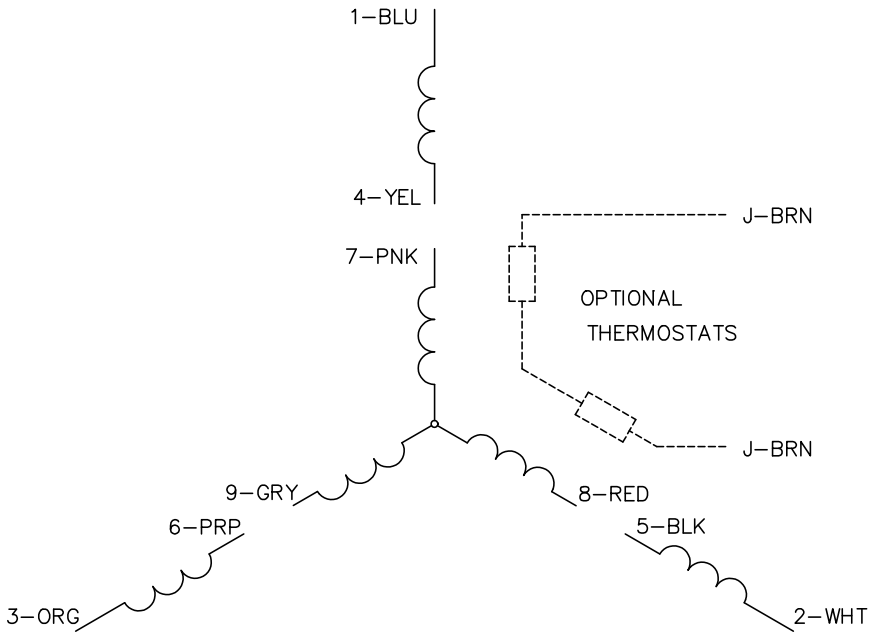
Typical performance - not guaranteed values.

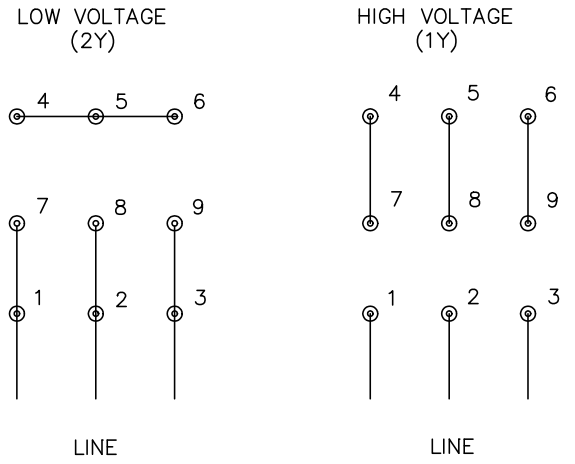
TORQUES(LB-FT): PO=11.9 PU=7.06 LR=8.62 LRA=9.06




35LYJ382
510-528 = 11.75
529-535 = 12.63
536-546 = 14.00
2.60
2.12
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
6 SLOTS
.34 WIDE
3.00
2.75
5.00
1.00
6.50
Ø 6.62
5.62
4.48
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
.88 DIA.
2.44
2.44
4.56
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: J
VERSION: 06
REVISED: 02:24:53 04/10/2023
TDR: 000001205626
MODEL NO. 35LYJ382
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56/56H OPEN 35M
SH 1 of 1
35LYJ382

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