REV	DATE	DESCRIPTION	BY	CHK	APPR
0	07/02/09	FIRST ISSUE	JH		
1					
2					
3					
4					

TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

MADE IN HOUSTON, TEXAS U.S.A.

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TITLE:

THREE-LINE DIAGRAM - 250~400kVA, H9 460VAC

CUSTOMER:

PROJECT NUMBER:

DRAWING NUMBER: 1308LZ03

REVISION: 0

SCALE:

CUSTOMER'S INCOMING POWER 460V, 3ø, 60Hz (SEE NOTE)

1CB ®

3CB ®

2CB ®

TO OIL PUMP CONTACTOR (480V,12A Max.)

TO PUMP OUT UNIT (480V,12A Max.)

LOCATED ON ISM CONTROL SUBPANEL

CONTROL VOLTAGE 115Vac/60Hz TO SHT. 08

3ø, 460V TO SHEET 08

MCCB1 ®

460V, 3ø, 60Hz

ACL ®

TO MCCB1-L1,L2,L3

MOUNTED EXTERNALLY TO CONTROLLER NEMA TYPE 1 OPTIONAL

HF HARMONIC FILTER

CT SELECTION TABLE (CT1-3)		
RLA	RATIO	CT OUTPUT RANGE
203~225	250:5	4.06~4.50A
226~270	300:5	3.76~4.50A
271~299	350:5	3.87~4.27A
300~360	400:5	3.75~4.50A
361~405	450:5	4.01~4.50A
406~450	500:5	4.06~4.50A

LINE CURRENT TO SHT 08

CT1-3 ®

CPT1

CPT2

460V ⓙ

115VAC

CF1~CF6 COOLING FANS

480/115 40VA

PT1

OPTIONAL

VMS

VM

0-600Vac

VFD ®

FUR~T ®

AMS

AM

0~XXXA

OPTIONAL

GROUND FAULT CURRENT TO SHEET 08 (OPTIONAL)

MOT

BOTTOM ENTRY OPTION

CUSTOMER'S INCOMING POWER 460V, 3ø, 60Hz

LEGEND

ACL	AC LINE REACTOR
AM	AMMETER
AMS	AMMETER SWITCH
CB	THERMAL-MAG CIRCUIT BREAKER
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DCL	DC LINK REACTOR
FU	FUSE
HF	HARMONIC FILTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MOT	MOTOR
PB	POWER BLOCK
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VMS	VOLTMETER SWITCH

ⓙ JUMPER

Ⓡ SEE RATINGS PAGE

NOTE: DISCONNECTING MEANS TO BE PROVIDED BY INSTALLER.