

D

C

B

A

D

C

B

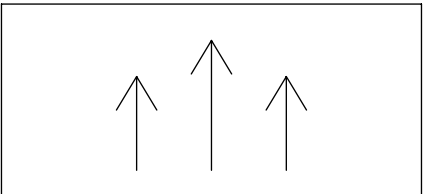
A

SIMPLEX™

FORCED AIR–COOLED RESISTIVE LOAD BANK

MODEL: MARS 750
CAPACITY: 750KW AT 1.0 P.F.
COOLING: FORCED AIR
AIRFLOW: 21,600 CFM
MAXIMUM AIR INTAKE TEMP.: 120°F
NOMINAL AIR TEMP.RISE:90°F–500°F MAX
TEMPERATURE RISE: $\frac{^{\circ}\text{F}=\text{KW}\times 3000}{\text{CFM}}$
DUTY CYCLE: Continuous
SHORT CIRCUIT CURRENT RATING 5kA
RMS SYMMETRICAL AT 480VAC

LOAD\CONTROL POWER CIRCUIT:
VOLTAGE: 480VAC
CONNECTION: 3–PHASE, 3–WIRE
FREQUENCY: 60HZ
FAN POWER: 480VAC
CONTROL POWER: 480:120V TRANSFORMER
FULL LOAD AMPS: 1221A
FAN MOTOR CURRENT: 13A
ENVIRONMENTAL TYPE 3R



AIRFLOW
DIRECTION

WORK ORDER 84743–14–43/2

WARNING

High Voltage: Turn off and disconnect power source before opening any compartment
High Temperature: Allow equipment to cool before servicing or opening any compartment
Rotating Equipment: Assure that fan has stopped before opening any compartment
For Operator Safety: Make sure this equipment is properly grounded when in use

SIMPLEX • 5300 RISING MOON ROAD SPRINGFIELD, IL. 62711 217–483–1600 24 HR. 217–528–3130 FAX 217–483–1616

All compression type connections on fuse blocks, load blocks, and contactors where used, should be checked for tightness frequently. This check should be established as a part of routine maintenance.

SIMPLEX™

SIMPLEX, INC., SPRINGFIELD, ILLINOIS, U.S.A.
(217)483-1600
www.simplexdirect.com

W.O.# 84743-14-43/2

MODEL MARS 750

SHORT CIRCUIT CURRENT RATING 5 kA

ENCLOSURE TYPE: 3R

LARGEST MOTOR FLA: 13A

LOAD\CONTROL POWER CIRCUIT:

VOLTAGE 480VAC 3 -PH 60 HZ

FULL LOAD AMPS: 1221

FUSE REPLACEMENT CHART

F4: 2A,600V,200KAIC
KLKR–2
F5: 2A,600V,200KAIC
KLDR–2

SIMPLEX™

Right Subpanel

FUSE REPLACEMENT CHART

F1–2: 3.5A,600V,200KAIC
KLDR–3.5
F3: 7A,600V,200KAIC
KLDR–7
MF1–MF3: 2A,600V,200KAIC
KLKR–2

SIMPLEX™

Center Subpanel

FUSE REPLACEMENT CHART

RF1–RF45: 70A,600V,200KAIC
JLLS–70

SIMPLEX™

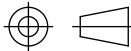
Center Subpanel

SIMPLEX™

SIMPLEX, INC.
5300 RISING MOON ROAD
SPRINGFIELD, ILLINOIS 62711-6228

THE INFORMATION HEREON IS THE
PROPERTY OF SIMPLEX, INC., AND/OR
ITS SUBSIDIARIES. WITHOUT WRITTEN
PERMISSION ANY COPYING,
TRANSMITTAL TO OTHERS AND USE
EXCEPT THAT FOR WHICH IT IS
LOANED IS PROHIBITED.
© 2014 SIMPLEX, INC.
ALL RIGHTS RESERVED

THIRD ANGLE PROJECTION



REV	DATE	DESCRIPTION	INT	APPR	REVISIONS & UPDATES									
					Original Revision	JLW	PWC							
A	03/25/2014													

TOLERANCES
X.XXX ± 0.005"
X.XX ± 0.010"
X.X ± 0.020"
FRACTIONAL ± 1/32"
ANGLES ± 1°
SURFACES 125/

APPROVED BY: PWC

DRAWN BY: JLW

SCALE: 1:1

SHEET SIZE: ANSI B

WORK ORDER
84743-14-43-2

DESCRIPTION
Nameplates

Approved 03/25/2014

DRAWING NUMBER

ACD-00002525

SHEET NUMBER REVISION

1 / 1

A