

TECHNICAL SPECIFICATION:

AIR CONDITIONING KIT 47

PHELOPHEPA TRAIN SET #1 & 2

ACCOMMODATION/STORAGE COACH #19

REVISION 0

DATE RELEASED

20 OCTOBER 2014

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Document Name: **Technical Specification – Air Conditioner kit 47 for
Phelophepa Train set #1 & 2 coach #19**

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Date: 20 October 2014

Ref: **PD-PDC-NAT-SPEC-0248**

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Controlled and Issued by: Configuration Officer (Koedoespoort)

Approved by: Product Development Manager (Coaches)

Page: 1 of 5

CHANGE CONTROL

Control	Name and Description	Signature	Date
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Approved:	Daniel Kraal Acting: Principal Engineer Product Development - Coaches		

LIST OF REVISIONS

Revisions (Series)	Train set No.	Date	Name	Description of modification

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AIR CONDITIONING KIT 47 FOR PHELOPHEPA #1 & 2 ACCOMMODATION/STORAGE COACH #19

1. SCOPE

THIS SPECIFICATION DESCRIBES THE AIR CONDITIONER KIT TO BE SUPPLIED FOR PHELOPHEPA #1 & 2 ACCOMMODATION/STORAGE COACH #19. THE MATERIAL NUMBER FOR THIS KIT IS .

2. SPECIFICATION

ALL AIR CONDITIONING EQUIPMENT MUST BE SUPPLIED IN ACCORDANCE WITH TECHNICAL SPECIFICATION PD-PDC-NAT-SPEC-0044 : REQUIREMENTS FOR AIR CONDITIONING UNITS ON MAIN LINE POWER CAR TRAIN SETS.

3. AIR CONDITIONER UNITS REQUIRED

THE VARIOUS COMPONENTS AND QUANTITIES REQUIRED FOR PHELOPHEPA #1 & 2 ACCOMMODATION/STORAGE COACH #19 ARE TABULATED BELOW :

Phelophepa 1 & 2 Accommodation/Storage Coach 19			
Component	Type	Qty	Description
Standard evaporator mid-wall mounted	Daikin: 2,5kW R410 inverter driven	5	
Standard condenser unit	Daikin: 2,5kW R410 inverter driven	5	
Remote control	Daikin	5	
Evaporator covers	SME	5	Colour to be determined – must match compartment colour.
A/C hoses	Fittings on each side	5 sets	
Custom door louvres	Custom made for door thickness	6 sets	Colour to be determined – must match compartment colour.
Fresh air fan	VZE 100CB	1	
Fresh air ducting	With inlet and outlet louvers	1 set	Inlet ducting colour to match coach exterior. Outlet grills to match compartment interior colour.
Four core silicon cable	Cable between indoor and outdoor units	±100m	
Extraction fan	VZE 100CB	2	Grills to match toilet/shower ceiling colour.
Extraction fan	VZE 100CB	2	These extraction fans to be surface mounted with the suction side equipped with mesh and the delivery side connected to the monsoons with flexible ducting.

4. AIR-CONDITIONING LAYOUT :

PD-PDC-NAT-SKT-0584 sheet 2

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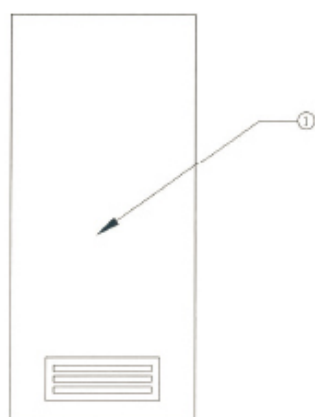
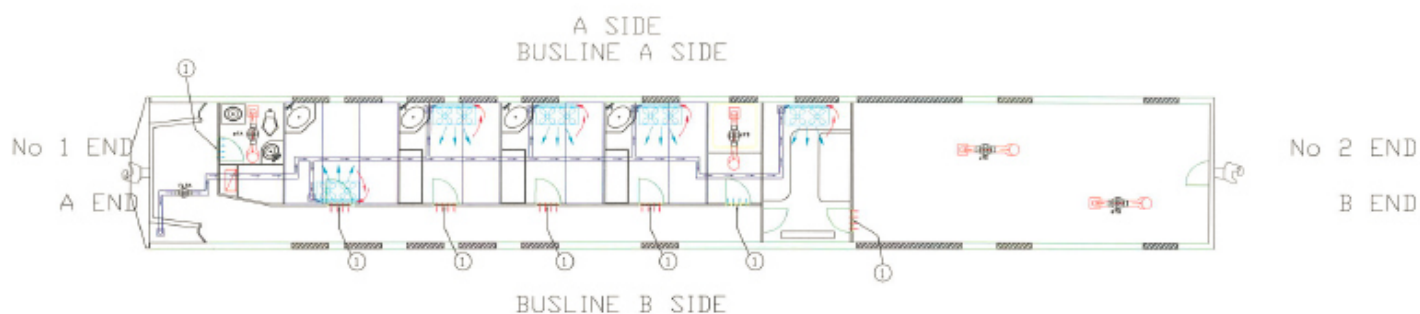
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	AIR LINE EXTENSION KIT AND WIRELESS KIT
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