ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4) L71112 – HEATING/COOLING PACKAGED PRESSURISATION UNIT

Learning Legacy Document

Document Number: **CRL1-XRL-Z3-ADDSD-CR001-50162**

Document Revision: **6.0**

Document History:

Revision:	Date:	Prepared by:	Checked by:	Authorised by:	Reason for Issue:
000	09-Nov-2012	[redacted]	[redacted]	[redacted]	First Issue
2.0	11-Oct-2013	[redacted]	[redacted]	[redacted]	Standardisation of Attribute Names and New Branding
3.0	03-Jun-2014	[redacted]	[redacted]	[redacted]	Asset Tag Identification Section Updated
4.0	19-Sep-2014	[redacted]	[redacted]	[redacted]	Approvals Added Consultations Removed
5.0	21-Aug-2015	[redacted]	[redacted]	[redacted]	Attribute Changes
6.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

This document contains proprietary information. No part of this document may be reproduced without prior written consent from the chief executive of Crossrail Ltd.

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited **RESTRICTED**

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

Contents

1 Introduction 4
1.1 Asset Details 4
1.2 Description 4
1.3 Related Functions 4
2 Asset Tag Identification Rules 5
2.1 Example Images 5
3 Attributes 7
3.1 Generic Attributes 7
3.2 Class Specific Attributes 7
4 Performance Data 9
5 Labelling 9
6 Other Information 9
7 Reference Material 9
8 Crossrail Technical Approvals 10

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

1 Introduction

1.1 Asset Details

Class Code:	L71112
Class Name:	Heating/cooling packaged pressurisation unit.
Class Lineage:	Construction Products>Services>Supply/storage/distribution of liquids and gases>Water and general supply/storage/distribution>Complete supply and distribution sets for water supply>Heating Cooling Packaged Pressurisation Units

1.2 Description

Heating/cooling packaged pressurisation units are designed to maintain the system design fill pressure in sealed heating and chilled water systems. They consist of a break tank, pump and expansion vessel.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

2.1 Example Images

Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Capacity (Cubic Metres)	Cubic Metres	NU	2		Volume of water in the Heating/cooling system
Dry Weight (Kilograms)	Kilograms	NU	2		What is the Dry weight of the asset
Integrated Controller		PD		Yes No	Is the controller intrigued into the unit?
Maximum Working Pressure (kPa)	kPa	NU	2		Maximum recommended working pressure of the vessel
Length (Millimetres)	Millimetres	NU	0		Length of the Unit
Width (Millimetres)	Millimetres	NU	0		Width of the Unit
Height (Millimetres)	Millimetres	NU	0		Height of the Unit
Starting Pressure (kPa)	kPa	NU	2		The starting pressure of the Unit
System Temperature (Degrees Celsius)	Degrees Celsius	NU	2		Max/Min water temperature
Vessel Capacity (Litres)	Litres	NU	2		What is the capacity of the vessel

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Working System Pressure (kPa)	kPa	NU	2		Maximum working water pressure

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED

4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System

© Crossrail Limited RESTRICTED

8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

Learning Legacy Document

Document uncontrolled once printed. All controlled documents are saved on the CRL Document System
© Crossrail Limited RESTRICTED