ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L71133 - CALORIFIERS

Learning Legacy Document

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Contents

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

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1 Introduction

1.1 Asset Details

Class Code:	L71133
Class Name:	Calorifiers
Class Lineage:	Construction Products>Services>Supply/storage/distribution of liquids and gases>Water and general supply/storage/distribution>Hot water storage>Calorifiers

1.2 Description

Calorifiers are appliances for providing, generating and storing domestic hot water

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)

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).

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2.1 Example Images

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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		The amount of water the tank can hold
Diameter (Metres)	Metres	NU	2		The overall diameter of the tank
Height (Metres)	Metres	NU	2		The overall height of the tank
Inlet Diameter (Millimetres)	Millimetres	NU	0		The diameter of the inlet connections
Input Voltage (Volts)	Volts	NU	0		The input voltage of the unit
Length (Metres)	Metres	NU	2		The overall length of the tank
Maximum Working Pressure (kPa)	kPa	NU	2		The maximum rated safe working pressure
Operating Temperature Maximum (Degrees Celsius)	Degrees Celsius	NU	2		The maximum operating temperature of the calorifier
Operating Temperature Minimum (Degrees Celsius)	Degrees Celsius	NU	2		The maximum operating temperature of the calorifier

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Outlet Diameter (Millimetres)	Millimetres	NU	0		The diameter of the outlet connections
Volume Flow (Litres/Sec)	Litres/Sec	NU	2		The maximum working volume flow of the unit
Width (Metres)	Metres	NU	2		The overall width of the tank

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)

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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

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8 Crossrail Technical Approvals

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

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