

TECHNICAL NOTE: TNOTE:06

Hybrid heat pumps in SAP 2009, 2012 and 10

Issue 2.0

DOCUMENT REVISIONS

Documents will be revised by issue of updated editions or amendments. Revised documents will be posted on the website at www.ncm-pcdb.org.uk/sap.

Technical or other changes which affect product recognition requirements (for example) will result in a new issue. Minor or administrative changes (e.g. corrections of spelling and typographical errors, changes to address and copyright details, the addition of notes for clarification etc.) may be made as amendments.

The issue number will be given in decimal format with the integer part giving the issue number and the fractional part giving the number of amendments (e.g. Issue 3.2 indicates that the document is at Issue 3 with 2 amendments).

Users of this document should ensure that they possess the latest issue.

DOCUMENT REVISION LOG

DATE	VERSION NO.	AMENDMENT DETAILS	APPROVED BY
27/07/20	1.0	First issue	PD
09/09/22	2.0	Technical note now valid for SAP 10	JH

TABLE OF CONTENTS

1.	INTRODUCTION	4
2.	SAP 2009/2012/10 ASSESSOR INSTRUCTIONS.....	4

Issue: 2.0	Hybrid heat pumps in SAP 2009, 2012 and 10	TNOTE:06
Date: 09/09/2022		Page 3 of 5

1. INTRODUCTION

This document follows on from previous guidance regarding the assessment of hybrid heat pumps in SAP 2009 and 2012¹. Having developed the methodology and associated tools further, this document introduces new instructions to be followed by assessors. These instructions are applicable from 1st August 2020.

2. SAP 2009/2012/10 ASSESSOR INSTRUCTIONS

1. The SAP assessor should complete a SAP calculation as normal, but temporarily entering a default gas boiler system (regular condensing with automatic ignition, code 102) as the main heating system
2. The assessor then uses the PCDB website² to identify the hybrid heat pump installed in the dwelling
3. The “User inputs” section of the “Hybrid heat pump support tool”³ should then be completed
4. Use the outputs provided in the spreadsheet to enter the heat pump as main heating system 1, the boiler as main heating system 2 and the fractions for both systems in the SAP software. Also enter water heating source as 'from second main heating system'
5. Recalculate the results to complete the SAP assessment

In some cases, the support tool will instruct an assessor to use a generic boiler from the PCDB. This product should *only* be used when instructed to do so by the support tool. In these instances, the assessor should also record the actual boiler installed in the dwelling in the notes section of the assessment.

¹ https://files.bregroup.com/SAP/SAP_Technical_Note_-_HHIC_Hybrid_-_Class1a1b_-_23.01.20_-_V7.pdf

² <https://www.ncm-pcdb.org.uk/sap/pcdbsearch.jsp?type=362&pid=31>

³ <https://www.ncm-pcdb.org.uk/sap/page.jsp?id=47>

Issue: 2.0	Hybrid heat pumps in SAP 2009, 2012 and 10	TNOTE:06
Date: 09/09/2022		Page 4 of 5

For this Technical Note to be valid, documentation demonstrating how the specification, installation and commissioning criteria have been satisfied must be presented to SAP assessors and Building Control officers on request.

If applicable, Building Control officers may request evidence of the outputs from the support tool.

This treatment will remain valid until further notice.

Issue: 2.0	Hybrid heat pumps in SAP 2009, 2012 and 10	TNOTE:06
Date: 09/09/2022		Page 5 of 5