Industrial Fieldbook — Data-Center Chillers

FULL PRODUCT

- 12-sheet Excel workbook | 17 product families | 9 manufacturers
- 153 commercial specifications | 163 source-linked evidence relationships | 24 distinct cited public sources
- FAMILY SCREEN + SPEC MATRIX + COMMERCIAL SPECS + EVIDENCE + ATTRIBUTE COVERAGE
- 59 attributes assessed for coverage | 23-field specification matrix | Methodology + coverage guidance
- 4 variant/configuration rows | 4 lifecycle relationships | 6 corporate relationships | 7 facility records
- CSV + JSON exports | Executive brief PDF

The following pages show every customer-facing worksheet in the paid Excel workbook. One genuine representative row is shown on each data sheet; all other substantive rows are redacted.

WORKBOOK CONTENTS — 12 visible worksheets

1. START HERE
12 worksheet rows × 2 columns

2. COVERAGE
21 worksheet rows × 2 columns

3. FAMILY SCREEN
18 worksheet rows × 19 columns

4. SPEC MATRIX
18 worksheet rows × 23 columns

5. COMMERCIAL SPECS
154 worksheet rows × 11 columns

6. EVIDENCE
164 worksheet rows × 14 columns

7. ATTRIBUTE COVERAGE
60 worksheet rows × 5 columns

8. VARIANT CONFIGURATIONS
5 worksheet rows × 10 columns

9. PREDECESSOR - SUCCESSOR RELATIO
5 worksheet rows × 11 columns

10. CORPORATE - OWNERSHIP RELATIONS
7 worksheet rows × 10 columns

11. FACILITIES
8 worksheet rows × 16 columns

12. METHODOLOGY
10 worksheet rows × 2 columns

Row numbers are original Excel positions. Column panels are continuations, not additional sheets.

Supporting sheets preserve their row structure; only one small approved line is exposed.

Data-Center Chillers — SHEET 1 OF 12 — START HERE

12 worksheet rows × 2 columns I 10 substantive rows (excluding header) I SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–12 I Columns A–B I Original header row 1 repeated below

	A	B
1	**Item**	**Value**
2	Product	Industrial Fieldbook — Data-Center Chillers
3	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]
6		
7	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 2 OF 12 — COVERAGE

21 worksheet rows × 2 columns | 19 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–21 | Columns A–B | Original header row 1 repeated below

	A	B
1	**Item**	**Value**
2	Product	Industrial Fieldbook — Data-Center Chillers
3	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]
7		
8	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 3 OF 12 — FAMILY SCREEN

18 worksheet rows × 19 columns | 17 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): shortlist families.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Lifecycle status**	**Product type**	**Manufacturer series**
2	PF-001	Trane Technologies plc	Trane CenTraVac Water-Cooled Data Center Chillers (CDHH & CVHH)	CURRENT - NEW GENERATION	Water-cooled centrifugal chiller (data-center specific)	CenTraVac CDHH / CVHH
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 3 OF 12 — FAMILY SCREEN

18 worksheet rows × 19 columns | 17 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): shortlist families.

	G	H	I	J	K	L
1	**Cooling capacity tons max**	**Chilled water temps**	**High temp water**	**Compressor type**	**Magnetic bearing**	**Oil free**
2	6000+ tons (CDHH)	[REDACTED]	[REDACTED]	centrifugal (multistage, direct-drive, semi-hermetic)	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 3 OF 12 — FAMILY SCREEN

18 worksheet rows × 19 columns | 17 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 | Columns M–R | Original header row 1 repeated below

Purpose (workbook): shortlist families.

	M	N	O	P	Q	R
1	**Refrigerant**	**Low gwp refrigerant**	**Integrated free cooling**	**Efficiency**	**AHRI**	**Commercially included specs (this family)**
2	R-1233zd (low-GWP)	[REDACTED]	yes (CVHH option)	[REDACTED]	[REDACTED]	17
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 3 OF 12 — FAMILY SCREEN

18 worksheet rows × 19 columns | 17 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 | Columns S–S | Original header row 1 repeated below

Purpose (workbook): shortlist families.

	S
1	**Evidence rows (this family)**
2	18
3	[REDACTED]
4	[REDACTED]
5	[REDACTED]
6	[REDACTED]
7	[REDACTED]
8	[REDACTED]
9	[REDACTED]
10	[REDACTED]
11	[REDACTED]
12	[REDACTED]
13	[REDACTED]
14	[REDACTED]
15	[REDACTED]
16	[REDACTED]
17	[REDACTED]
18	[REDACTED]

Data-Center Chillers — SHEET 4 OF 12 — SPEC MATRIX

18 worksheet rows × 23 columns | 17 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): compare well-covered attributes.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Data center application**	**Refrigerant**	**Compressor type**
2	PF-001	Trane Technologies plc	Trane CenTraVac Water-Cooled Data Center Chillers (CDHH & CVHH)	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 4 OF 12 — SPEC MATRIX

18 worksheet rows × 23 columns | 17 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): compare well-covered attributes.

	G	H	I	J	K	L
1	**Cooling capacity tons range**	**Oil free**	**Integrated free cooling**	**Magnetic bearing**	**Warm water support**	**Maximum ambient**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 4 OF 12 — SPEC MATRIX

18 worksheet rows × 23 columns I 17 substantive rows (excluding header) I SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 I Columns M–R I Original header row 1 repeated below

Purpose (workbook): compare well-covered attributes.

	M	N	O	P	Q	R
1	**Leaving chilled water temp range**	**Ambient range**	**Cooling capacity kW range**	**Cooling capacity kW max**	**Air cooled**	**Free cooling**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 4 OF 12 — SPEC MATRIX

18 worksheet rows × 23 columns I 17 substantive rows (excluding header) I SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–18 I Columns S–W I Original header row 1 repeated below

Purpose (workbook): compare well-covered attributes.

	S	T	U	V	W
1	**Cooling capacity MW**	**Water cooled**	**Redundancy architecture**	**Recovery time**	**Water use**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–27 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Attribute**	**Commercial value**	**Evidence class**
2	PF-001	Trane Technologies plc	Trane CenTraVac Water-Cooled Data Center Chillers (CDHH & CVHH)	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
22	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
23	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
24	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
25	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
26	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
27	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 28–55 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Attribute**	**Commercial value**	**Evidence class**
28	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
29	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
30	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
31	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
32	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
33	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
34	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
35	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
36	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
37	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
38	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
39	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
40	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
41	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
42	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
43	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
44	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
45	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
46	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
47	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
48	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
49	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
50	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
51	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
52	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
53	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
54	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
55	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 56–83 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Attribute**	**Commercial value**	**Evidence class**
56	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
57	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
58	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
59	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
60	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
61	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
62	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
63	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
64	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
65	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
66	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
67	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
68	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
69	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
70	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
71	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
72	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
73	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
74	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
75	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
76	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
77	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
78	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
79	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
80	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
81	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
82	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
83	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 84–111 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Attribute**	**Commercial value**	**Evidence class**
84	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
85	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
86	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
87	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
88	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
89	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
90	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
91	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
92	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
93	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
94	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
95	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
96	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
97	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
98	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
99	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
100	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
101	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
102	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
103	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
104	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
105	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
106	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
107	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
108	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
109	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
110	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
111	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 112–139 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Attribute**	**Commercial value**	**Evidence class**
112	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
113	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
114	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
115	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
116	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
117	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
118	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
119	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
120	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
121	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
122	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
123	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
124	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
125	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
126	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
127	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
128	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
129	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
130	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
131	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
132	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
133	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
134	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
135	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
136	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
137	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
138	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
139	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 140–154 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	A	B	C	D	E	F
1	**Family ID**	**Manufacturer**	**Family**	**Attribute**	**Commercial value**	**Evidence class**
140	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
141	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
142	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
143	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
144	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
145	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
146	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
147	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
148	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
149	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
150	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
151	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
152	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
153	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
154	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–29 | Columns G–K | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	G	H	I	J	K
1	**Record type**	**Confidence**	**Caveat / condition**	**Source URL**	**Date checked**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
22	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
23	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
24	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
25	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
26	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
27	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
28	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
29	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 30–57 | Columns G–K | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	G	H	I	J	K
1	**Record type**	**Confidence**	**Caveat / condition**	**Source URL**	**Date checked**
30	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
31	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
32	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
33	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
34	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
35	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
36	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
37	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
38	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
39	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
40	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
41	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
42	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
43	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
44	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
45	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
46	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
47	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
48	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
49	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
50	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
51	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
52	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
53	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
54	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
55	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
56	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
57	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 58–85 | Columns G–K | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	G	H	I	J	K
1	**Record type**	**Confidence**	**Caveat / condition**	**Source URL**	**Date checked**
58	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
59	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
60	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
61	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
62	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
63	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
64	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
65	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
66	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
67	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
68	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
69	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
70	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
71	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
72	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
73	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
74	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
75	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
76	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
77	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
78	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
79	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
80	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
81	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
82	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
83	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
84	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
85	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 86–113 | Columns G–K | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	G	H	I	J	K
1	**Record type**	**Confidence**	**Caveat / condition**	**Source URL**	**Date checked**
86	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
87	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
88	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
89	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
90	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
91	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
92	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
93	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
94	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
95	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
96	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
97	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
98	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
99	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
100	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
101	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
102	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
103	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
104	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
105	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
106	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
107	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
108	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
109	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
110	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
111	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
112	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
113	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns | 153 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 114–141 | Columns G–K | Original header row 1 repeated below

Purpose (workbook): full long-form list.

	G	H	I	J	K
1	**Record type**	**Confidence**	**Caveat / condition**	**Source URL**	**Date checked**
114	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
115	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
116	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
117	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
118	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
119	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
120	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
121	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
122	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
123	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
124	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
125	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
126	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
127	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
128	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
129	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
130	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
131	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
132	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
133	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
134	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
135	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
136	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
137	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
138	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
139	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
140	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
141	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 5 OF 12 — COMMERCIAL SPECS

154 worksheet rows × 11 columns I 153 substantive rows (excluding header) I SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 142–154 I Columns G–K I Original header row 1 repeated below

Purpose (workbook): full long-form list.

	G	H	I	J	K
1	**Record type**	**Confidence**	**Caveat / condition**	**Source URL**	**Date checked**
142	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
143	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
144	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
145	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
146	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
147	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
148	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
149	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
150	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
151	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
152	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
153	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
154	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–29 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	A	B	C	D	E	F
1	**Evidence ID**	**Family ID**	**Manufacturer**	**Attribute**	**Normalized value**	**Exact supported claim (as published by the source)**
2	EV-0008	PF-001	Trane Technologies plc	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
22	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
23	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
24	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
25	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
26	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
27	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
28	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
29	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 30–57 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	A	B	C	D	E	F
1	**Evidence ID**	**Family ID**	**Manufacturer**	**Attribute**	**Normalized value**	**Exact supported claim (as published by the source)**
30	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
31	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
32	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
33	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
34	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
35	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
36	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
37	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
38	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
39	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
40	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
41	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
42	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
43	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
44	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
45	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
46	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
47	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
48	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
49	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
50	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
51	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
52	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
53	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
54	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
55	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
56	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
57	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 58–85 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	A	B	C	D	E	F
1	**Evidence ID**	**Family ID**	**Manufacturer**	**Attribute**	**Normalized value**	**Exact supported claim (as published by the source)**
58	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
59	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
60	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
61	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
62	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
63	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
64	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
65	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
66	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
67	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
68	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
69	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
70	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
71	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
72	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
73	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
74	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
75	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
76	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
77	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
78	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
79	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
80	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
81	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
82	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
83	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
84	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
85	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 86–113 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	A	B	C	D	E	F
1	**Evidence ID**	**Family ID**	**Manufacturer**	**Attribute**	**Normalized value**	**Exact supported claim (as published by the source)**
86	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
87	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
88	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
89	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
90	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
91	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
92	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
93	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
94	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
95	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
96	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
97	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
98	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
99	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
100	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
101	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
102	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
103	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
104	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
105	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
106	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
107	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
108	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
109	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
110	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
111	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
112	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
113	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 114–141 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	A	B	C	D	E	F
1	**Evidence ID**	**Family ID**	**Manufacturer**	**Attribute**	**Normalized value**	**Exact supported claim (as published by the source)**
114	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
115	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
116	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
117	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
118	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
119	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
120	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
121	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
122	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
123	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
124	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
125	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
126	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
127	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
128	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
129	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
130	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
131	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
132	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
133	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
134	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
135	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
136	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
137	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
138	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
139	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
140	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
141	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 142–164 | Columns A–F | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	A	B	C	D	E	F
1	**Evidence ID**	**Family ID**	**Manufacturer**	**Attribute**	**Normalized value**	**Exact supported claim (as published by the source)**
142	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
143	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
144	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
145	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
146	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
147	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
148	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
149	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
150	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
151	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
152	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
153	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
154	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
155	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
156	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
157	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
158	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
159	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
160	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
161	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
162	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
163	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
164	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–29 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	G	H	I	J	K	L
1	**Evidence class**	**Source type**	**Primary vs third party**	**Confidence**	**Ambiguity / caveat**	**Source URL**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
22	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
23	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
24	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
25	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
26	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
27	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
28	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
29	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 30–57 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	G	H	I	J	K	L
1	**Evidence class**	**Source type**	**Primary vs third party**	**Confidence**	**Ambiguity / caveat**	**Source URL**
30	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
31	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
32	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
33	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
34	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
35	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
36	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
37	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
38	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
39	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
40	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
41	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
42	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
43	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
44	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
45	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
46	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
47	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
48	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
49	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
50	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
51	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
52	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
53	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
54	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
55	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
56	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
57	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 58–85 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	G	H	I	J	K	L
1	**Evidence class**	**Source type**	**Primary vs third party**	**Confidence**	**Ambiguity / caveat**	**Source URL**
58	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
59	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
60	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
61	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
62	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
63	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
64	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
65	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
66	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
67	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
68	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
69	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
70	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
71	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
72	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
73	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
74	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
75	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
76	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
77	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
78	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
79	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
80	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
81	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
82	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
83	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
84	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
85	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 86–113 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	G	H	I	J	K	L
1	**Evidence class**	**Source type**	**Primary vs third party**	**Confidence**	**Ambiguity / caveat**	**Source URL**
86	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
87	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
88	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
89	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
90	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
91	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
92	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
93	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
94	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
95	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
96	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
97	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
98	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
99	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
100	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
101	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
102	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
103	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
104	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
105	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
106	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
107	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
108	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
109	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
110	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
111	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
112	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
113	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 114–141 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	G	H	I	J	K	L
1	**Evidence class**	**Source type**	**Primary vs third party**	**Confidence**	**Ambiguity / caveat**	**Source URL**
114	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
115	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
116	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
117	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
118	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
119	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
120	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
121	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
122	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
123	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
124	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
125	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
126	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
127	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
128	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
129	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
130	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
131	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
132	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
133	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
134	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
135	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
136	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
137	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
138	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
139	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
140	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
141	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 142–164 | Columns G–L | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	G	H	I	J	K	L
1	**Evidence class**	**Source type**	**Primary vs third party**	**Confidence**	**Ambiguity / caveat**	**Source URL**
142	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
143	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
144	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
145	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
146	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
147	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
148	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
149	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
150	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
151	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
152	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
153	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
154	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
155	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
156	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
157	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
158	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
159	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
160	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
161	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
162	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
163	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
164	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–29 | Columns M–N | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	M	N
1	**Source title**	**Date checked**
2	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]
22	[REDACTED]	[REDACTED]
23	[REDACTED]	[REDACTED]
24	[REDACTED]	[REDACTED]
25	[REDACTED]	[REDACTED]
26	[REDACTED]	[REDACTED]
27	[REDACTED]	[REDACTED]
28	[REDACTED]	[REDACTED]
29	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 30–57 | Columns M–N | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	M	N
1	**Source title**	**Date checked**
30	[REDACTED]	[REDACTED]
31	[REDACTED]	[REDACTED]
32	[REDACTED]	[REDACTED]
33	[REDACTED]	[REDACTED]
34	[REDACTED]	[REDACTED]
35	[REDACTED]	[REDACTED]
36	[REDACTED]	[REDACTED]
37	[REDACTED]	[REDACTED]
38	[REDACTED]	[REDACTED]
39	[REDACTED]	[REDACTED]
40	[REDACTED]	[REDACTED]
41	[REDACTED]	[REDACTED]
42	[REDACTED]	[REDACTED]
43	[REDACTED]	[REDACTED]
44	[REDACTED]	[REDACTED]
45	[REDACTED]	[REDACTED]
46	[REDACTED]	[REDACTED]
47	[REDACTED]	[REDACTED]
48	[REDACTED]	[REDACTED]
49	[REDACTED]	[REDACTED]
50	[REDACTED]	[REDACTED]
51	[REDACTED]	[REDACTED]
52	[REDACTED]	[REDACTED]
53	[REDACTED]	[REDACTED]
54	[REDACTED]	[REDACTED]
55	[REDACTED]	[REDACTED]
56	[REDACTED]	[REDACTED]
57	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 58–85 | Columns M–N | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	M	N
1	**Source title**	**Date checked**
58	[REDACTED]	[REDACTED]
59	[REDACTED]	[REDACTED]
60	[REDACTED]	[REDACTED]
61	[REDACTED]	[REDACTED]
62	[REDACTED]	[REDACTED]
63	[REDACTED]	[REDACTED]
64	[REDACTED]	[REDACTED]
65	[REDACTED]	[REDACTED]
66	[REDACTED]	[REDACTED]
67	[REDACTED]	[REDACTED]
68	[REDACTED]	[REDACTED]
69	[REDACTED]	[REDACTED]
70	[REDACTED]	[REDACTED]
71	[REDACTED]	[REDACTED]
72	[REDACTED]	[REDACTED]
73	[REDACTED]	[REDACTED]
74	[REDACTED]	[REDACTED]
75	[REDACTED]	[REDACTED]
76	[REDACTED]	[REDACTED]
77	[REDACTED]	[REDACTED]
78	[REDACTED]	[REDACTED]
79	[REDACTED]	[REDACTED]
80	[REDACTED]	[REDACTED]
81	[REDACTED]	[REDACTED]
82	[REDACTED]	[REDACTED]
83	[REDACTED]	[REDACTED]
84	[REDACTED]	[REDACTED]
85	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 86–113 | Columns M–N | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	M	N
1	**Source title**	**Date checked**
86	[REDACTED]	[REDACTED]
87	[REDACTED]	[REDACTED]
88	[REDACTED]	[REDACTED]
89	[REDACTED]	[REDACTED]
90	[REDACTED]	[REDACTED]
91	[REDACTED]	[REDACTED]
92	[REDACTED]	[REDACTED]
93	[REDACTED]	[REDACTED]
94	[REDACTED]	[REDACTED]
95	[REDACTED]	[REDACTED]
96	[REDACTED]	[REDACTED]
97	[REDACTED]	[REDACTED]
98	[REDACTED]	[REDACTED]
99	[REDACTED]	[REDACTED]
100	[REDACTED]	[REDACTED]
101	[REDACTED]	[REDACTED]
102	[REDACTED]	[REDACTED]
103	[REDACTED]	[REDACTED]
104	[REDACTED]	[REDACTED]
105	[REDACTED]	[REDACTED]
106	[REDACTED]	[REDACTED]
107	[REDACTED]	[REDACTED]
108	[REDACTED]	[REDACTED]
109	[REDACTED]	[REDACTED]
110	[REDACTED]	[REDACTED]
111	[REDACTED]	[REDACTED]
112	[REDACTED]	[REDACTED]
113	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns | 163 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 114–141 | Columns M–N | Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	M	N
1	**Source title**	**Date checked**
114	[REDACTED]	[REDACTED]
115	[REDACTED]	[REDACTED]
116	[REDACTED]	[REDACTED]
117	[REDACTED]	[REDACTED]
118	[REDACTED]	[REDACTED]
119	[REDACTED]	[REDACTED]
120	[REDACTED]	[REDACTED]
121	[REDACTED]	[REDACTED]
122	[REDACTED]	[REDACTED]
123	[REDACTED]	[REDACTED]
124	[REDACTED]	[REDACTED]
125	[REDACTED]	[REDACTED]
126	[REDACTED]	[REDACTED]
127	[REDACTED]	[REDACTED]
128	[REDACTED]	[REDACTED]
129	[REDACTED]	[REDACTED]
130	[REDACTED]	[REDACTED]
131	[REDACTED]	[REDACTED]
132	[REDACTED]	[REDACTED]
133	[REDACTED]	[REDACTED]
134	[REDACTED]	[REDACTED]
135	[REDACTED]	[REDACTED]
136	[REDACTED]	[REDACTED]
137	[REDACTED]	[REDACTED]
138	[REDACTED]	[REDACTED]
139	[REDACTED]	[REDACTED]
140	[REDACTED]	[REDACTED]
141	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 6 OF 12 — EVIDENCE

164 worksheet rows × 14 columns I 163 substantive rows (excluding header) I SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 142–164 I Columns M–N I Original header row 1 repeated below

Purpose (workbook): the exact wording behind any value.

	M	N
1	**Source title**	**Date checked**
142	[REDACTED]	[REDACTED]
143	[REDACTED]	[REDACTED]
144	[REDACTED]	[REDACTED]
145	[REDACTED]	[REDACTED]
146	[REDACTED]	[REDACTED]
147	[REDACTED]	[REDACTED]
148	[REDACTED]	[REDACTED]
149	[REDACTED]	[REDACTED]
150	[REDACTED]	[REDACTED]
151	[REDACTED]	[REDACTED]
152	[REDACTED]	[REDACTED]
153	[REDACTED]	[REDACTED]
154	[REDACTED]	[REDACTED]
155	[REDACTED]	[REDACTED]
156	[REDACTED]	[REDACTED]
157	[REDACTED]	[REDACTED]
158	[REDACTED]	[REDACTED]
159	[REDACTED]	[REDACTED]
160	[REDACTED]	[REDACTED]
161	[REDACTED]	[REDACTED]
162	[REDACTED]	[REDACTED]
163	[REDACTED]	[REDACTED]
164	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 7 OF 12 — ATTRIBUTE COVERAGE

60 worksheet rows × 5 columns | 59 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–29 | Columns A–E | Original header row 1 repeated below

	A	B	C	D	E
1	**Attribute**	**Customer-facing label**	**Families populated**	**Family coverage %**	**Evidence rows**
2	data_center_application	Data center application	17	100.0%	21
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
11	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
12	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
13	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
14	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
15	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
16	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
17	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
18	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
19	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
20	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
21	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
22	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
23	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
24	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
25	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
26	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
27	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
28	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
29	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 7 OF 12 — ATTRIBUTE COVERAGE

60 worksheet rows × 5 columns | 59 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 30–57 | Columns A–E | Original header row 1 repeated below

	A	B	C	D	E
1	**Attribute**	**Customer-facing label**	**Families populated**	**Family coverage %**	**Evidence rows**
30	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
31	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
32	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
33	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
34	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
35	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
36	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
37	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
38	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
39	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
40	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
41	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
42	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
43	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
44	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
45	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
46	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
47	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
48	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
49	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
50	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
51	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
52	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
53	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
54	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
55	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
56	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
57	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 7 OF 12 — ATTRIBUTE COVERAGE

60 worksheet rows × 5 columns | 59 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 58–60 | Columns A–E | Original header row 1 repeated below

	A	B	C	D	E
1	**Attribute**	**Customer-facing label**	**Families populated**	**Family coverage %**	**Evidence rows**
58	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
59	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
60	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 8 OF 12 — VARIANT CONFIGURATIONS

5 worksheet rows × 10 columns | 4 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–5 | Columns A–F | Original header row 1 repeated below

	A	B	C	D	E	F
1	**variant_id**	**product_family_id**	**variant_name**	**capacity**	**compressor_count**	**refrigerant**
2	PV-001	PF-001	CenTraVac CDHH	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 8 OF 12 — VARIANT CONFIGURATIONS

5 worksheet rows × 10 columns | 4 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–5 | Columns G–J | Original header row 1 repeated below

	G	H	I	J
1	**voltage**	**free_cooling**	**water_temperature**	**note**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 9 OF 12 — PREDECESSOR - SUCCESSOR RELATIO

5 worksheet rows × 11 columns | 4 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–5 | Columns A–F | Original header row 1 repeated below

	A	B	C	D	E	F
1	**relationship_id**	**legacy_family**	**legacy_family_id**	**successor_family**	**successor_family_id**	**relationship_type**
2	LR-001	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 9 OF 12 — PREDECESSOR - SUCCESSOR RELATIO

5 worksheet rows × 11 columns | 4 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–5 | Columns G–K | Original header row 1 repeated below

	G	H	I	J	K
1	**statement**	**basis**	**source**	**date_checked**	**confidence**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 10 OF 12 — CORPORATE - OWNERSHIP RELATIONS

7 worksheet rows × 10 columns | 6 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–7 | Columns A–F | Original header row 1 repeated below

	A	B	C	D	E	F
1	**relationship_id**	**supplier_id**	**relationship_type**	**subject**	**counterparty**	**effective_date**
2	REL-001	S-214	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 10 OF 12 — CORPORATE - OWNERSHIP RELATIONS

7 worksheet rows × 10 columns | 6 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–7 | Columns G–J | Original header row 1 repeated below

	G	H	I	J
1	**statement**	**source**	**date_checked**	**confidence**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 11 OF 12 — FACILITIES

8 worksheet rows × 16 columns | 7 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–8 | Columns A–F | Original header row 1 repeated below

	A	B	C	D	E	F
1	**facility_id**	**supplier_id**	**facility_name**	**city**	**state_province**	**country**
2	FAC-001	S-206	Trane Commercial - Davidson, NC (US base)	Davidson	North Carolina	USA
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 11 OF 12 — FACILITIES

8 worksheet rows × 16 columns | 7 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–8 | Columns G–L | Original header row 1 repeated below

	G	H	I	J	K	L
1	**facility_role**	**chiller_manufacturing_role**	**compressor_manufacturing_role**	**test_role**	**engineering_role**	**service_role**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 11 OF 12 — FACILITIES

8 worksheet rows × 16 columns | 7 substantive rows (excluding header) | SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–8 | Columns M–P | Original header row 1 repeated below

	M	N	O	P
1	**family_linkage**	**source**	**date_checked**	**confidence**
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Data-Center Chillers — SHEET 12 OF 12 — METHODOLOGY

10 worksheet rows × 2 columns I 8 substantive rows (excluding header) I SAMPLE — REDACTED

One genuine row shown; all other substantive rows redacted.

Excel rows 2–10 I Columns A–B I Original header row 1 repeated below

	A	B
1	**Item**	**Value**
2	Product	Industrial Fieldbook — Data-Center Chillers
3	[REDACTED]	[REDACTED]
4		
5	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]
9	[REDACTED]	[REDACTED]
10	[REDACTED]	[REDACTED]