



NCC Ventilation Cheat Sheet for Electricians

Exhaust fans must duct outside:

- ✓ No more dumping moist air into roof spaces.

Minimum airflow rates:

- ✓ 25 L/s for bathrooms and sanitary compartments
- ✓ 40 L/s for kitchens and laundries

Bathrooms and Sanitary Compartments Without Natural Ventilation (no window, or openable space is less than 5% of the room's floor area):

- ✓ Exhaust fan runs 24/7 OR is interlocked with the light switch with a 10-minute run-on timer
- ✓ Minimum 14,000 mm² make-up air opening to an adjacent room is required (about a 20mm gap under a 700mm door) or ventilate in accordance with AS1668.2

Relevant NCC Clauses:

- ✓ Housing Provisions 10.8.2 Exhaust Systems
- ✓ Housing Provisions 10.6.2 Ventilation
- ✓ Volume Two H4D9 Condensation Management
- ✓ AS1668.2 on Ventilation

Source: Master Builders Queensland, Buildcert

What you must do on every job

1. Check fan size:

Make sure the fan you're installing moves enough air. 150mm duct fans usually meet 25 L/s — smaller ones often don't.

2. Duct to the outdoors:

Run ducting straight to a roof cowl or wall grille. No venting into eaves or roof space. Keep runs as short, smooth, and straight as possible.

3. Wire a run-on timer:

Fans must stay running for at least 10 minutes after the light switch is turned off in bathrooms and toilets without natural ventilation.

4. Allow for make-up air:

Tight door seals? You'll need a 20 mm door gap or a purpose-made vent to allow fresh air back in for bathrooms and toilets without natural ventilation.

5. Document it:

NCC compliance forms now require -

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| ✓ Exhaust airflow | ✓ Direct outdoor discharge |
| ✓ Timer installation | ✓ Tick all three before handing over |