Aircraft noise at TW9 3PZ, Kew SAMPLE REPORT

What the official noise map and the published flight routes say about this postcode, in Richmond upon Thames. A desktop report from published data: no site visit or survey.

On most days, about 310 Heathrow planes a day pass over TW9 3PZ

Aircraft noise — Worth a look

57 dB on DEFRA's map, over the WHO guideline of 45

Next step: WebTrak shows each Heathrow flight as it passes; the link is on page 2.

The detail: page 2

Planes overhead — Worth a look

Heathrow: 310 a day when flying west

Next step: The wind decides which way Heathrow flies, and that decides your day.

The detail: page 2

Road noise — Good here

50.5 dB, under the WHO guideline of 53

Next step: Visit at rush hour to hear it for yourself.

The detail: page 2

Air — For context

NO_2 17.0 and PM2.5 8.5 µg/m³ on DEFRA's model; the WHO guidelines are 10 and 5

Next step: Breathe London's own map shows the nearest sensor's readings hour by hour.

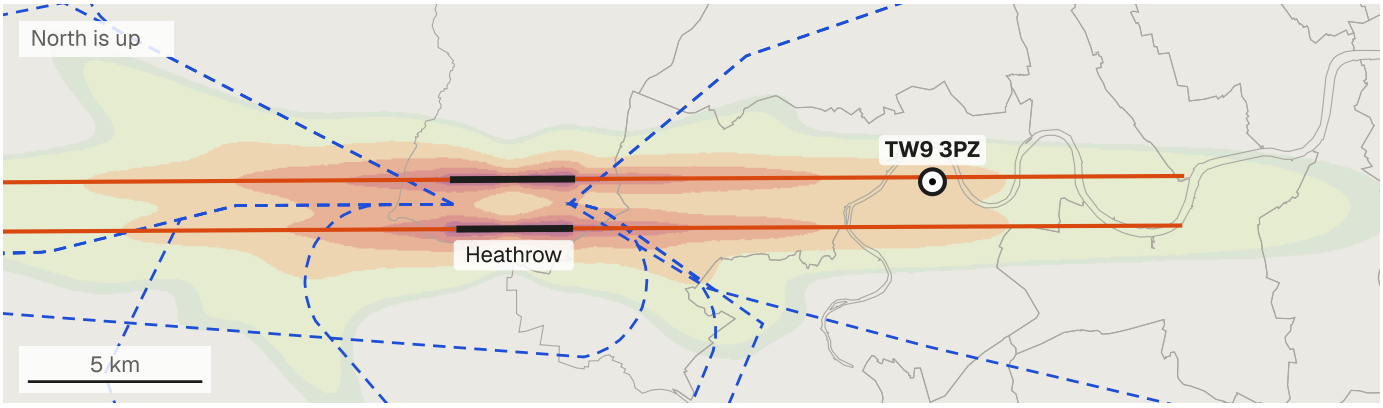
The detail: page 3

57 dB
average aircraft noise outdoors across a year (Lden), on DEFRA's official map. The WHO guideline is 45 dB

3.2/10
Sky Score's Quiet Skies score for this postcode. 10 is quietest

10.2 km
to the nearest runway, at Heathrow Airport, which lies to the west

0.1 km
from the approach line to Heathrow runway 27R, where landing aircraft are at about 1,800 ft



Report details TW9 3PZ, Kew, Richmond upon Thames · prepared 12 November 2026 · reference HCH7-V2UJ
How current DEFRA's noise maps for 2021, the latest published · flight routes AIRAC 2026-10-29 · planes counted January to August 2026 · air: DEFRA's model for 2024
Check this report skyscore.co.uk/reports/street/?postcode=TW9%203PZ&made=2026-11-12&ref=HCH7V2UJ

Aircraft and road noise in detail

Published routes within 5 km

Route	Used when aircraft are	Closest point to this postcode	Height
Landings, Heathrow runway 27R	landing towards the west	0.1 km to the north	about 1,800 ft
Landings, Heathrow runway 27L	landing towards the west	1.3 km to the south	about 1,800 ft
Departures, Detling route, Heathrow runway 09	taking off towards the east	4.6 km to the south	not published

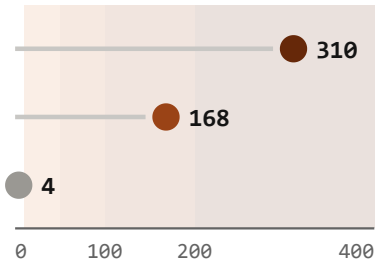
Airports covered: Heathrow and London City. Gatwick's routes are not included. Smaller airfields, military flights and helicopters are not covered.

Planes overhead a day, from Heathrow

Flying west
56% of days

Both ways
15% of days

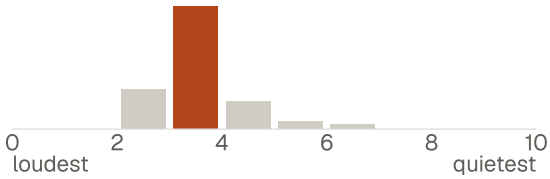
Flying east
29% of days



Overhead means more than halfway up the sky (48.5 degrees or more) and below 7,000 ft, the CAA's definition of an overflight (CAP 1498). January to August 2026.

How it compares within TW9

Quiet Skies scores of the 597 postcodes on DEFRA's map. This postcode's band is in orange.



Of the 597 postcodes in TW9 on DEFRA's map, **61% are quieter** than this one and 29% are louder.

Road noise at this postcode

This postcode **50.5 dB**

The WHO recommends at most **53 dB**

Road noise here is under the level the World Health Organization (WHO) recommends. DEFRA's modelled figure for 2021.

Have your say Heathrow's expansion consultation, open until 22 December

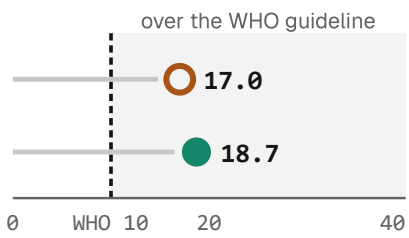
contact Heathrow about noise | find a flight on WebTrak | the CAA's airspace change portal

Spotted something wrong? Tell us

Air, and how to read this report

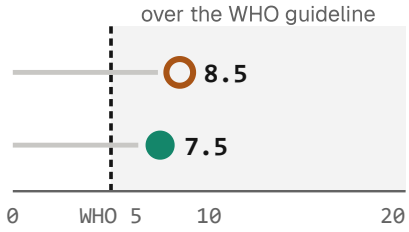
Air at this postcode, against the WHO guideline

NITROGEN DIOXIDE (NO_2), µg/m³



- **DEFRA's model** DEFRA's background model for this postcode's 1 km square, 2024.
- **George Street** 2.2 km. Breathe London sensor, low-cost, provisional. Roadside, 0.7 m from the kerb. Over the 12 months to September 2026.

FINE PARTICLES (PM2.5), µg/m³



- They measure in different ways, places and periods, so expect them to differ.
- A sensor by a road can read higher than DEFRA's background figure: it measures the traffic beside it, where DEFRA's is the average across a 1 km square.
- Each figure rests on at least 75% of the hours in its period.

Nearest station: Kew Gardens, 20 m in a straight line.

Reading this report

- Lden is a yearly average of the outdoor level, with evening and night flights weighted more heavily; it does not describe single loud events or the number of flights.
- DEFRA's map models 2021, when COVID restrictions cut air traffic. At Heathrow the CAA's model of 2025 puts the 55 dB area at 142.4 km² against 75.6 km² on DEFRA's map, so levels today are likely to be higher than DEFRA's map shows. That is an indication, not a correction.
- The route lines are the published centre lines: aircraft fly either side of them, and the path to joining a final approach is directed by air traffic control and is not drawn.
- A day counts as one way when 80% of its flights used that way.
- Counted from community flight tracking, checked against the CAA's monthly totals for Heathrow.
- PO boxes and other postcodes for organisations that receive a lot of post are left out: they sit at a delivery office or a business, not at homes.
- This is information, not a survey or an environmental search; visit at different times of day before deciding.
- It is not a conveyancing search under the Search Code. Our terms: skyscore.co.uk/terms.

Sources: DEFRA Strategic Noise Mapping Round 4 (aircraft and road, Lden, 2021 traffic) and DEFRA background pollution maps, Open Government Licence v3.0; flight routes from the UK Aeronautical Information Publication (NATS), AIRAC 2026-10-29; CAA ERCD Report 2601 (August 2026); WHO Environmental Noise Guidelines for the European Region (2018) and Global Air Quality Guidelines (2021); postcode positions from postcodes.io (ONS). Planes overhead: Flight tracks: adsb.lol (ODbL 1.0); Weather at each airport: Iowa Environmental Mesonet; Ground heights: Contains OS data © Crown copyright and database right; Postcode positions: ONS National Statistics Postcode Lookup (OGL). Contains Breathe London data licensed under the Open Government License v3.0. Compiled with Sky Score (skyscore.co.uk). Prepared 12 November 2026.