

xAI

xAI: Grok 4.5

A practical fact sheet showing how this model performs, what it supports, and how it compares with other broadly useful AI models.

Key metrics

Quality rank #4/67

53.8

Overall quality score

Speed rank #44/67

54 t/s

Output tokens per second

Price rank #53/67

\$2.00/1M

Input price per 1M tokens

Context rank #28/67

500K

Content read at once

Practical specifications

Metric	xAI: Grok 4.5
Company	xAI
Reasoning	Yes
Open weights	No
Inputs	Text, Image
Output	Text
Context window	500K
Strongest uses	Coding, Everyday help, Math and logic

Where xAI: Grok 4.5 stands

xAI: Grok 4.5 ranks #4 of 67 for overall quality and #44 for response speed in the current catalogue.

Its listed input price is \$2.00/1M, output price is \$6.00/1M, and it can work with up to 500K of context at once.

Its strongest areas are coding, everyday help, math and logic.

Official model experience: <https://grok.com/>

Benchmark context

Quality - selected model shown darker



xAI: Grok 4.5 evaluation records

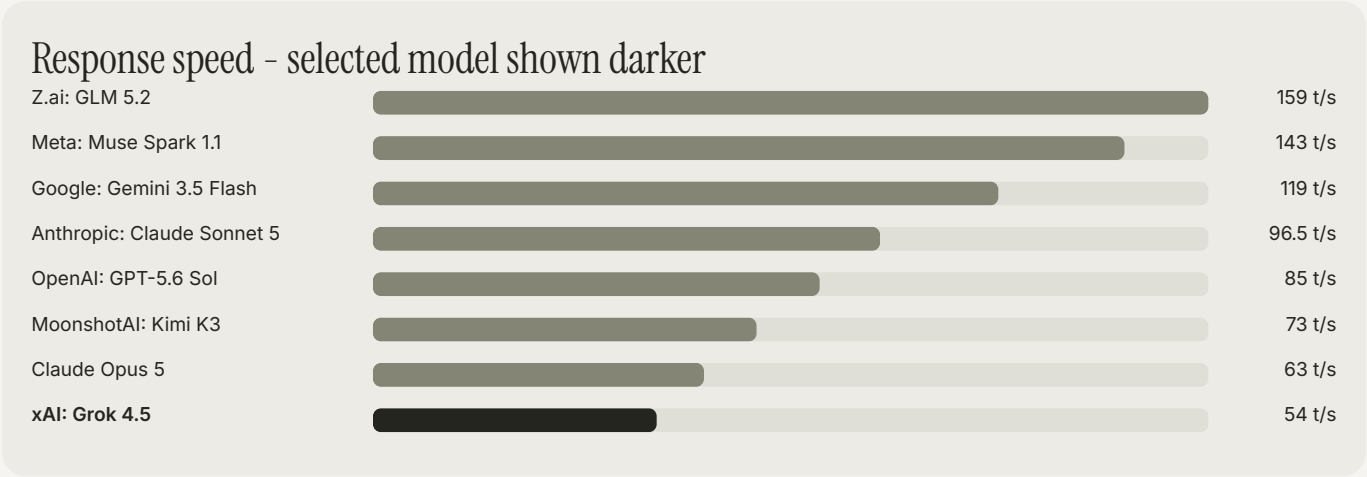
Scores retain their published benchmark names and are not blended across incompatible evaluations.

Metric	xAI: Grok 4.5
Intelligence Index	53.8
Coding Index	72.4
Agentic Index	45.7
GPQA	93.1
Humanity's Last Exam	40.3
AA-LCR	67.7
GDPval-AA	51.4

xAI: Grok 4.5 evaluation records – continued

Metric	xAI: Grok 4.5
CritPt	15.4
SciCode	54.1
AA-Omniscience Accuracy	52
AA-Omniscience Non-Hallucination Rate	46.5

Response speed



What this comparison shows

The darker bar marks xAI: Grok 4.5. The surrounding models provide context from the current catalogue rather than a claim that one model is best for every kind of work.

Response speed is only one factor. Quality, price, context size, and supported inputs should be considered alongside it.

Input price – selected model shown darker



How to read this report

Rankings compare this model with the current 100x Model Match catalogue. A higher quality or speed value is better. A lower price rank means the model is less expensive among the models listed.

This report is generated from the catalogue on July 30, 2026. Missing specifications are omitted rather than estimated.