

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM S-8  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**HEARTFLOW, INC.**  
(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**26-0506743**  
(I.R.S. Employer  
Identification No.)

**331 E. Evelyn Avenue  
Mountain View, California 94041**  
(Address, including zip code, of Principal Executive Offices)

**Heartflow, Inc.  
2025 Performance Incentive Plan**  
(Full title of the plan)

John C.M. Farquhar  
President and Chief Executive Officer  
Heartflow, Inc.  
331 E. Evelyn Avenue  
Mountain View, California 94041  
(650) 241-1221  
(Name, address and telephone number, including area code, of agent for service)

**COPY TO:**

Angela Ahmad  
Heartflow, Inc.  
331 E. Evelyn Avenue  
Mountain View, California 94041  
(650) 241-1221

Shelly Heyduk, Esq.  
Ryan Coombs, Esq.  
O'Melveny & Myers LLP  
610 Newport Center Drive, 17<sup>th</sup> Floor  
Newport Beach, California 92660  
(949) 823-6900

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer   
Non-accelerated filer

Accelerated filer   
Smaller reporting company   
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

## EXPLANATORY NOTE

The Heartflow, Inc. 2025 Performance Incentive Plan (the “Plan”) includes an evergreen provision, which provides that the total number of shares reserved for issuance under the Plan (the “Share Limit”) will automatically increase if, on the last day of the fiscal year of Heartflow, Inc. (the “Company” or “Registrant”), the Share Limit has not increased during such fiscal year pursuant to any Board-approved increase(s) by an aggregate amount equal to or greater than five percent (5%) of the total number of shares of the Company’s common stock, par value \$0.001 per share (the “Common Stock”), outstanding on the first day of such fiscal year (the “Minimum Annual Increase”), then in an amount equal to the difference between the Minimum Annual Increase and the aggregate amount in which the Share Limit increased pursuant to any Board-approved increase(s) during such fiscal year, effective as of the last day of such fiscal year. Notwithstanding the foregoing, the Company’s Board of Directors may act prior to the last day of such fiscal year to provide that an increase in the Share Limit will be a lesser number of shares of Common Stock than would otherwise occur pursuant to the preceding sentence.

**PART I**

**INFORMATION REQUIRED IN THE  
SECTION 10(a) PROSPECTUS**

The document(s) containing the information specified in Part I of Form S-8 will be sent or given to participants as specified by Rule 428(b)(1) promulgated under the Securities Act of 1933, as amended (the "Securities Act").

**PART II**  
INFORMATION REQUIRED IN THE  
REGISTRATION STATEMENT

**Item 3. Incorporation of Certain Documents by Reference**

The following documents of the Company filed with the Securities and Exchange Commission (the “Commission”) are incorporated herein by reference:

- (a) The Company’s prospectus, dated August 7, 2025, filed with the Commission pursuant to Rule 424(b) of the Securities Act, relating to the Registration Statement on Form S-1, as amended (Commission File No. 333-288733), which includes the unaudited consolidated financial statements of Heartflow, Inc. for the three months ended March 31, 2025, and the consolidated financial statements of Heartflow, Inc. for the years ended December 31, 2023 and 2024.
- (b) The description of the Company’s Common Stock contained in its Registration Statement on Form 8-A (Commission File No. 001-42790), filed with the Commission on August 7, 2025, and any other amendment or report filed for the purpose of updating such description.

All documents subsequently filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents; provided, however, that documents or information deemed to have been furnished and not filed in accordance with Commission rules shall not be deemed incorporated by reference into this Registration Statement. Any statement contained herein or in a document, all or a portion of which is incorporated or deemed to be incorporated by reference herein, shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or amended, to constitute a part of this Registration Statement.

**Item 4. Description of Securities**

Not applicable.

**Item 5. Interests of Named Experts and Counsel**

The validity of the issuance of Common Stock registered hereby is passed on for the Company by Angela Ahmad. Ms. Ahmad is the Chief Legal & Compliance Officer of the Company and is compensated by the Company as an employee. Ms. Ahmad owns 15,131 shares of Common Stock, 15,460 restricted stock units that are payable in an equivalent number of shares of Common Stock, and Company stock options to acquire up to an additional 303,845 shares of Common Stock. Ms. Ahmad is eligible to receive awards under the Plan.

**Item 6. Indemnification of Directors and Officers**

Section 145 of the General Corporation Law of the State of Delaware (the “Delaware General Corporation Law”) provides that a corporation may indemnify directors and officers as well as other employees and individuals against expenses (including attorneys’ fees), judgments, fines, and amounts paid in settlement actually and reasonably incurred by such person in connection with any threatened, pending, or completed actions, suits, or proceedings in which such person is made a party by reason of such person being or having been a director, officer, employee, or agent to the Registrant. The Delaware General Corporation Law provides that Section 145 is not exclusive of other rights to which those seeking indemnification may be entitled under any bylaw, agreement, vote of stockholders or disinterested directors, or otherwise. Article VIII of the Registrant’s amended and restated certificate of incorporation provides for indemnification by the Registrant of its directors and officers to the fullest extent permitted by the Delaware General Corporation Law. The Registrant has entered into indemnification agreements with each of its current directors, executive officers, and certain other officers to provide these directors and officers additional contractual assurances regarding the scope of the indemnification set forth in the Registrant’s amended and restated certificate of incorporation and to provide additional procedural protections. There is no pending litigation or proceeding involving a director or executive officer of the Registrant for which indemnification is sought.

Section 102(b)(7) of the Delaware General Corporation Law permits a corporation to provide in its certificate of incorporation that a director or an officer of the corporation shall not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director or an officer, except for liability (i) for any breach of the director’s or officer’s duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) in the case of directors, for unlawful payments of dividends or unlawful stock repurchases, redemptions, or other distributions, or (iv) for any transaction from which the director or officer derived an improper personal benefit; provided that officers may not be indemnified for actions by or in the right of the corporation. The Registrant’s amended and restated certificate of incorporation provides for such limitation of liability.

The Registrant maintains standard policies of insurance under which coverage is provided (a) to its directors and officers against loss rising from claims made by reason of breach of duty or other wrongful act and (b) to the Registrant with respect to payments that may be made by the Registrant to such officers and directors pursuant to the above indemnification provision or otherwise as a matter of law.

**Item 7. Exemption from Registration Claimed**

Not applicable.

**Item 8. Exhibits**

See the attached Exhibit Index at page 7, which is incorporated herein by reference.

## Item 9. Undertakings

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement;

*provided, however*, that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or 15(d) of the Exchange Act that are incorporated by reference in this Registration Statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(h) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the provisions described in Item 6 above, or otherwise, the Registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the

question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

## EXHIBIT INDEX

<u>Exhibit Number</u>	<u>Description of Exhibit</u>
4	<a href="#"><u>Heartflow, Inc. 2025 Performance Incentive Plan (filed as Exhibit 10.2 to the Company's Registration Statement on Form S-1 (Commission File No. 333-288733), filed with the Commission on July 17, 2025).</u></a>
5	<a href="#"><u>Opinion of Counsel (opinion re legality).</u></a>
23.1	<a href="#"><u>Consent of PricewaterhouseCoopers LLP (consent of independent registered public accounting firm).</u></a>
23.2	<a href="#"><u>Consent of Counsel (included in Exhibit 5).</u></a>
24	<a href="#"><u>Power of Attorney (included in this Registration Statement under "Signatures").</u></a>
107	<a href="#"><u>Filing Fee Table</u></a>

## SIGNATURES

Pursuant to the requirements of the Securities Act, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Form S-8 Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Mountain View, State of California, on August 11, 2025.

HEARTFLOW, INC.

By: /s/ John C.M. Farquhar

John C.M. Farquhar  
President and Chief Executive Officer

## POWER OF ATTORNEY

Each person whose signature appears below constitutes and appoints Vikram Verghese, Angela Ahmad and Mhairi L. Jones, and each of them, acting individually and without the other, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place, and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments, exhibits thereto and other documents in connection therewith) to this Registration Statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or either of them individually, or their or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, this Registration Statement has been signed below by the following persons in the capacities and on the dates indicated.

<b>Signature</b>	<b>Title</b>	<b>Date</b>
<u>/s/ John C.M. Farquhar</u> John C.M. Farquhar	President, Chief Executive Officer and Director <i>(Principal Executive Officer)</i>	August 11, 2025
<u>/s/ Vikram Verghese</u> Vikram Verghese	Chief Financial Officer <i>(Principal Financial Officer)</i>	August 11, 2025
<u>/s/ Mhairi L. Jones</u> Mhairi L. Jones	Chief Accounting Officer <i>(Principal Accounting Officer)</i>	August 11, 2025
<u>/s/ William C. Weldon</u> William C. Weldon	Chair of the Board of Directors	August 11, 2025
<u>/s/ Timothy C. Barabe</u> Timothy C. Barabe	Director	August 11, 2025
<u>/s/ Julie A. Cullivan</u> Julie A. Cullivan	Director	August 11, 2025
<u>/s/ Jeffrey C. Lightcap</u> Jeffrey C. Lightcap	Director	August 11, 2025
<u>/s/ Wayne J. Riley, M.D.</u> Wayne J. Riley, M.D.	Director	August 11, 2025
<u>/s/ Casey M. Tansey</u> Casey M. Tansey	Director	August 11, 2025





[Heartflow Letterhead]

August 11, 2025

Heartflow, Inc.  
331 E. Evelyn Avenue  
Mountain View, California 94041

Re: Registration of Securities of Heartflow, Inc.

Ladies and Gentlemen:

In connection with the registration of up to 17,346,193 shares of Common Stock of Heartflow, Inc., a Delaware corporation (the "Company"), par value \$0.001 per share (the "Shares"), under the Securities Act of 1933, as amended, pursuant to a Registration Statement on Form S-8 (the "Registration Statement"), filed with the Securities and Exchange Commission on or about the date hereof, such Shares to be issued or delivered pursuant to the Heartflow, Inc. 2025 Performance Incentive Plan (the "Plan"), you have requested my opinion set forth below.

In my capacity as counsel, I have examined originals or copies of those corporate and other records of the Company I considered appropriate.

On the basis of such examination and my consideration of those questions of law I considered relevant, and subject to the limitations and qualifications in this opinion, I am of the opinion that the Shares have been duly authorized by all necessary corporate action on the part of the Company and, when issued in accordance with such authorization, the provisions of the Plan and relevant agreements duly authorized by and in accordance with the terms of the Plan, and upon payment for and delivery of the Shares as contemplated in accordance with the Plan, and either (a) the countersigning of the certificate or certificates representing the Shares by a duly authorized signatory of the registrar for the Company's Common Stock, or (b) the book-entry of the Shares by the transfer agent for the Company's Common Stock in the name of The Depository Trust Company or its nominee, the Shares will be validly issued, fully paid and non-assessable.

I consent to your filing this opinion as an exhibit to the Registration Statement.

Respectfully submitted,

/s/ Angela Ahmad

## CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of Heartflow, Inc. of our report dated March 26, 2025, except for the effects of the reverse stock split discussed in Note 1 to the consolidated financial statements, as to which the date is August 1, 2025 relating to the financial statements of HeartFlow Holding, Inc. which appears in Heartflow, Inc.'s Registration Statement on Form S-1 (No. 333-288733).

/s/ PricewaterhouseCoopers LLP

San Jose, California  
August 11, 2025