
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, DC 20549

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934**

For the month of April 2015

Commission File Number 001-33159

AERCAP HOLDINGS N.V.

(Translation of Registrant's Name into English)

Stationsplein 965, 1117 CE Schiphol Airport, The Netherlands, +31-20-655-9655
(Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

Other Events

On April 21, 2015, AerCap Holdings N.V. released a summary of its completed transactions during the first quarter of 2015. A copy of the press release summarizing this information is attached hereto as Exhibit 99.1.

The information contained in this Form 6-K is incorporated by reference into the Company's Form F-3 Registration Statement File No. 333-177659 and Form S-8 Registration Statements File Nos. 333-180323, 333-154416, 333-165839, 333-194637 and 333-194638, and related Prospectuses, as such Registration Statements and Prospectuses may be amended from time to time.

Exhibits

99.1 AerCap Holdings N.V. Press Release.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

AERCAP HOLDINGS N.V.

By: /s/ Aengus Kelly

Name: Aengus Kelly

Title: Authorized Signatory

Date: April 21, 2015

EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.



PRESS RELEASE

AerCap Executed 104 Aircraft Transactions During the First Quarter

67 aircraft lease transactions signed, 17 aircraft purchased and 20 aircraft sold

Amsterdam, The Netherlands; April 21, 2015 - AerCap Holdings N.V. ("AerCap," NYSE: AER) today announced its transactions during the first quarter 2015:

- **Signed lease agreements for 67 aircraft**
- **Delivered 32 aircraft under contracted lease agreements.**
- **Purchased 17 new aircraft**, including 2 Boeing 787-8s, 4 Boeing 787-9s, 6 Boeing 737-800s, 4 Airbus A321-200s and 1 Airbus A330-300.
- **Executed sale and part-out transactions for 20 aircraft**, including: 1 Airbus A310-300, 1 Airbus A319-100, 4 Airbus A320-200s, 1 Airbus A321-100, 1 Airbus A330-300, 2 Airbus A340-300s, 2 Boeing B737 classics, 2 Boeing 747-400s, 1 Boeing 757-200 and 1 Boeing B767-300ER from AerCap's owned portfolio, and 4 Boeing 737 classics from AerCap's managed portfolio.
- **Signed financing transactions for \$1.6 billion.**

As of March 31, 2015, AerCap's portfolio consisted of approximately 1,640 aircraft that were either owned, managed, or under contract to purchase.

About AerCap

AerCap is the global leader in aircraft leasing and has one of the most attractive order books in the industry. AerCap serves over 200 customers in approximately 90 countries with comprehensive fleet solutions and provides part-out and engine leasing services through its subsidiary, AeroTurbine. AerCap is listed on the New York Stock Exchange (AER). The company is headquartered in Amsterdam and has offices in Dublin, Los Angeles, Shannon, Fort Lauderdale, Miami, Singapore, Shanghai, Abu Dhabi, Seattle, and Toulouse.

This press release may contain forward-looking statements that involve risks and uncertainties. In most cases, you can identify forward-looking statements by terminology such as "may", "should", "expects", "plans", "anticipates", "believes", "estimates", "predicts", "potential" or "continue" or the negative of such terms or similar terminology. Such forward-looking statements are not guarantees of future performance and involve significant assumptions, risks and uncertainties, and actual results may differ materially from those in the forward-looking statements.

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