
**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 May 2013

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 May 13, 2013, AerCap Holdings N.V. announced that it has completed an amendment and upsize of its revolving warehouse facility. The facility was amended to increase its size to \$1.1 billion, to allow for an additional two year revolving period with a three year term-out period, extending the facility to June 2018, and to provide a mechanism to increase the size of the facility post-closing. The press release is attached hereto as Exhibit 99.1.

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 and 333-165839, 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

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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: May 13, 2013

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EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.

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PRESS RELEASE

**AerCap Announces Increase and Amendment
to \$1.1 Billion Revolving Debt Facility**

Amsterdam, The Netherlands; May 13, 2013 — AerCap Holdings N.V. (“AerCap”, NYSE: AER) today announced that it has completed an amendment and upsize of its revolving warehouse facility.

The non-recourse facility, which was originally put in place in 2006, has been amended to increase the transaction size to \$1.1 billion and to allow for an additional two year revolving period with a three year term-out period, extending the transaction to June 2018. A mechanism to increase the size of the facility post-closing has also been included.

Credit Suisse AG acted as Lead Arranger and Structuring Agent on the Transaction. The facility, which currently finances 25 narrowbody aircraft, continues to allow for the acquisition of a range of aircraft types, and provides AerCap committed financing and significant flexibility to purchase aircraft.

In addition to Credit Suisse AG, this transaction includes several new and significant lenders for AerCap, including Bank of America Merrill Lynch and RBC Capital Markets who acted as Joint Lead Arrangers. Nomura and Citi acted as Documentation Agents, with the syndicate also including Scotiabank, BNP Paribas, ING Bank and Everbank Commercial Finance.

Paul Rofe, Group Treasurer of AerCap said: “We are delighted to close this significant upsize and extension to the facility. The fact that so many lenders renewed, and new lenders joined, is an endorsement of AerCap’s business model and capabilities. The extension to this facility will be key in helping AerCap execute our strategic objectives going forward.”

The total amount of financing transactions completed in 2013 by AerCap is now \$1.2 billion.

About AerCap

AerCap is one of the world’s leading aircraft leasing companies and has one of the youngest fleets in the industry. AerCap has \$10 billion of assets and a fleet of 341 aircraft. AerCap is a New York Stock Exchange-listed company (AER) and has its headquarters in the Netherlands with offices in Ireland, the United States, China, Singapore and the United Arab Emirates.

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.

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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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