

SECURITIES AND EXCHANGE COMMISSION

FORM 485BPOS

Post-effective amendments [Rule 485(b)]

Filing Date: **2013-01-09**
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FILER

FEDERATED MDT STOCK TRUST

CIK:**357236** | IRS No.: **251412885** | State of Incorp.:**MA** | Fiscal Year End: **1031**
Type: **485BPOS** | Act: **33** | File No.: **002-75756** | Film No.: **13519640**

Mailing Address
*4000 ERICSSON DRIVE
WARRENDALE PA
15086-7561*

Business Address
*4000 ERICSSON DRIVE
WARRENDALE PA
15086-7561
8003417400*

FEDERATED MDT STOCK TRUST

CIK:**357236** | IRS No.: **251412885** | State of Incorp.:**MA** | Fiscal Year End: **1031**
Type: **485BPOS** | Act: **40** | File No.: **811-03385** | Film No.: **13519641**

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*4000 ERICSSON DRIVE
WARRENDALE PA
15086-7561*

Business Address
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WARRENDALE PA
15086-7561
8003417400*

Form N-1A

SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

Pre-Effective Amendment No.

Post-Effective Amendment No.

50

and/or

REGISTRATION STATEMENT UNDER THE INVESTMENT COMPANY ACT OF 1940

Amendment No.

45

FEDERATED MDT STOCK TRUST
(Exact Name of Registrant as Specified in Charter)

Federated Investors Funds
4000 Ericsson Drive
Warrendale, PA 15086-7561
(Address of Principal Executive Offices)

(412) 288-1900
(Registrant's Telephone Number, including Area Code)

John W. McGonigle, Esquire
Federated Investors Tower
Pittsburgh, Pennsylvania 15222-3779
(Name and Address of Agent for Service)

It is proposed that this filing will become effective (check appropriate box):

- immediately upon filing pursuant to paragraph (b)
on pursuant to paragraph (b)
60 days after filing pursuant to paragraph (a)(1)
on pursuant to paragraph (a)(1)
75 days after filing pursuant to paragraph (a)(2)
on pursuant to paragraph (a)(2) of Rule 485

If appropriate, check the following box:

This post-effective amendment designates a new effective date for a previously filed post-effective amendment.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, and the Investment Company Act of 1940, the Registrant, FEDERATED MDT STOCK TRUST, **certifies that it meets all of the requirements for effectiveness of this Amendment to its Registration Statement pursuant to Rule 485(b) under the Securities Act of 1933** and has duly caused this Amendment to its Registration Statement to be signed on its behalf by the undersigned, duly authorized, in the City of Pittsburgh and Commonwealth of Pennsylvania, on the 9th day of January, 2013.

FEDERATED MDT STOCK TRUST

BY: /s/ Alicia G. Powell

Alicia G. Powell, Assistant Secretary

Pursuant to the requirements of the Securities Act of 1933, this Amendment to its Registration Statement has been signed below by the following person in the capacity and on the date indicated:

NAME	TITLE	DATE
BY: /s/ Alicia G. Powell Alicia G. Powell, Assistant Secretary	Attorney In Fact For the Persons Listed Below	January 9, 2013
John F. Donahue *	Trustee	
J. Christopher Donahue *	President and Trustee (Principal Executive Officer)	
Richard A. Novak*	Treasurer (Principal Financial Officer)	
John F. Cunningham*	Trustee	
Maureen Lally-Green *	Trustee	
Peter E. Madden*	Trustee	
Charles F. Mansfield, Jr.*	Trustee	
Thomas O'Neill*	Trustee	
John S. Walsh*	Trustee	
*By Power of Attorney		

Federated MDT Stock Trust
Institutional Shares, Institutional Service Shares
Post-Effective Amendment No. 50

This Post-Effective Amendment is filed for the sole purpose of submitting the XBRL Interactive Data File exhibits for the Risk/Return Summary of the above-named Fund filed as part of Post-Effective Amendment No. 49 on December 27, 2012. The exhibits filed herewith do not constitute the complete publicly filed disclosure for the Fund, and should be used in conjunction with the complete prospectus for the Fund.

Exhibit List for Interactive Data File Submissions.

EX-101.INS	INSTANCE
EX-101.SCH	SCHEMA
EX-101.CAL	CALCULATION LINKBASE
EX-101.DEF	DEFINITION LINKBASE
EX-101.LAB	LABEL LINKBASE
EX-101.PRE	PRESENTATION LINKBASE

Label	Element	Value
<u>Risk/Return:</u>	rr_RiskReturnAbstract	
<u>Registrant Name</u>	dei_EntityRegistrantName	FEDERATED MDT STOCK TRUST
<u>Prospectus Date</u>	rr_ProspectusDate	Dec. 31, 2012
<u>Document Creation Date</u>	dei_DocumentCreationDate	Dec. 27, 2012

Label	Element	Value
Risk/Return:	rr_RiskReturnAbstract	
Registrant Name	dei_EntityRegistrantName	FEDERATED MDT STOCK TRUST
Prospectus Date	rr_ProspectusDate	Dec. 31, 2012
FEDERATED MDT STOCK TRUST		
Risk/Return:	rr_RiskReturnAbstract	
Risk/Return [Heading]	rr_RiskReturnHeading	Federated MDT Stock Trust (the "Fund")
Objective [Heading]	rr_ObjectiveHeading	RISK/RETURN SUMMARY: INVESTMENT OBJECTIVE
Objective, Primary [Text Block]	rr_ObjectivePrimaryTextBlock	The Fund's investment objective is to provide growth of income and capital.
Expense [Heading]	rr_ExpenseHeading	RISK/RETURN SUMMARY: FEES AND EXPENSES
Expense Narrative [Text Block]	rr_ExpenseNarrativeTextBlock	This table describes the fees and expenses that you may pay if you buy and hold Institutional Shares (IS) and Service Shares (SS) of the Fund.
Shareholder Fees Caption [Text]	rr_ShareholderFeesCaption	Shareholder Fees (fees paid directly from your investment)
Operating Expenses Caption [Text]	rr_OperatingExpensesCaption	Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)
Fee Waiver or Reimbursement over Assets, Date of Termination	rr_FeeWaiverOrReimbursementOverAssetsDateOfTermination	January 1, 2014
Fee Waiver Or Reimbursement Over Assets Later Of Termination Or Next Effective Prospectus	fmst_FeeWaiverOrReimbursementOverAssetsLaterOfTerminationOrNextEffectiveProspectus	up to but not including the later of (a) January 1, 2014 (the "Termination Date"); or (b) the date of the Fund's next effective Prospectus.
Portfolio Turnover [Heading]	rr_PortfolioTurnoverHeading	Portfolio Turnover
Portfolio Turnover [Text Block]	rr_PortfolioTurnoverTextBlock	The Fund pays transaction costs, such as commissions, when

it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Fund Shares are held in a taxable account. These costs, which are not reflected in Annual Fund Operating Expenses or in the Example, affect the Fund's performance. During the most recent fiscal year, the Fund's portfolio turnover rate was 121% of the average value of its portfolio.

[Portfolio Turnover, Rate](#)
[Expense Example \[Heading\]](#)
[Expense Example Narrative \[Text Block\]](#)

rr_PortfolioTurnoverRate

121.00%

rr_ExpenseExampleHeading

Example

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds.

rr_ExpenseExampleNarrativeTextBlock

The Example assumes that you invest \$10,000 for the time periods indicated and then redeem all of your Shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the operating expenses are based on the contractual expense limitation as shown in the table above and remain the same. Although your actual costs and returns may be higher or lower, based on these assumptions your costs would be:

[Strategy](#)
[\[Heading\]](#)

rr_StrategyHeading

[Strategy](#)
[Narrative \[Text](#)
[Block\]](#)

rr_StrategyNarrativeTextBlock

RISK/RETURN SUMMARY: INVESTMENTS, RISKS and PERFORMANCE

What are the Fund's Main Investment Strategies?

The Fund seeks to achieve its objective by investing primarily in the common stock of U.S. companies.

The Fund's investment adviser's investment strategy utilizes a large-cap value approach by selecting most of its investments from companies listed in the Russell 1000® Value Index, an index that measures the performance of those companies with lower price-to-book ratios and lower forecasted growth values within the large-cap segment of the U.S. equity universe, which includes the 1,000 largest U.S. companies by market capitalization. The Fund considers large-cap companies to be those of a size similar to companies listed in the Russell 1000® Value Index. As of October 31, 2012, companies in the Russell 1000® Value Index ranged in market capitalization from \$309 million to \$426.3 billion. As more fully described in this Prospectus, the Fund's investments primarily include the following: equity securities of domestic issuers.

The Fund's investment adviser implements its

strategy using a quantitative computer model driven by fundamental stock selection variables, including company valuations, profit trends and earnings risks. This process, called the Optimum Q process, seeks to impose strict discipline over stock selection, unimpeded by market or manager psychology. It seeks to maximize compound annual return while controlling risk.

Because the Fund refers to equity investments in its name, it will notify shareholders at least 60 days in advance of any change in its investment policies that would enable the Fund to normally invest less than 80% of its net assets (plus any borrowings for investment purposes) in equity investments.

The Fund actively trades its portfolio securities in an attempt to achieve its investment objective. Active trading will cause the Fund to have an increased portfolio turnover rate, which may generate shorter-term gains (losses) for its shareholders, which are taxed at a higher rate than longer-term gains (losses). Actively trading portfolio securities increases the Fund's trading costs and may have an adverse impact on the Fund's performance.

What are the Main Risks of Investing in the Fund?

[Risk \[Heading\]](#)

rr_RiskHeading

rr_RiskNarrativeTextBlock

All mutual funds take investment risks. Therefore, it is possible to lose money by investing in the Fund. The primary factors that may reduce the Fund's returns include:

- **Stock Market Risk.** The value of equity securities in the Fund's portfolio will fluctuate and, as a result, the Fund's Share price may decline suddenly or over a sustained period of time.
- **Large Sized Companies Risk.** The Fund will principally invest in large-size companies. Although diminished in larger cap companies, the risks of investing in all companies include business failure and reliance on erroneous reports. Larger, more established companies may be unable to respond quickly to new competitive challenges like changes in consumer tastes or innovative smaller competitors.

- **Risk Related to Investing for Value.** Due to their relatively low valuations, value stocks are typically less volatile than growth stocks. Additionally, value stocks tend to have higher dividends than growth stocks. This means they depend less on price changes for returns and may lag behind growth stocks in an up market.
- **Sector Risk.** Because the Fund may allocate relatively more assets to certain industry sectors than others, the Fund's performance may be more susceptible to any developments which affect those sectors emphasized by the Fund.
- **Quantitative Modeling Risk.** The Fund employs quantitative models as a management technique. These models examine multiple economic factors using

various proprietary and third-party data. The results generated by quantitative analysis may perform differently than expected and may negatively affect Fund performance for various reasons (for example, human judgment, data imprecision, software or other technology malfunctions, or programming inaccuracies).

The Shares offered by this Prospectus are not deposits or obligations of any bank, are not endorsed or guaranteed by any bank and are not insured or guaranteed by the U.S. government, the Federal Deposit Insurance Corporation, the Federal Reserve Board or any other government agency. All mutual funds take investment risks. Therefore, it is possible to lose money by investing in the Fund. The Shares offered by this Prospectus are not deposits or obligations of any bank, are not endorsed or guaranteed by any bank and are not insured or guaranteed by the U.S. government, the Federal Deposit Insurance Corporation, the Federal Reserve

[Risk Lose Money \[Text\]](#)

rr_RiskLoseMoney

[Risk Not Insured Depository Institution \[Text\]](#)

rr_RiskNotInsuredDepositoryInstitution

[Bar Chart and Performance Table \[Heading\]](#) rr_BarChartAndPerformanceTableHeading

[Performance Narrative \[Text Block\]](#)

rr_PerformanceNarrativeTextBlock

Board or any other government agency.

Performance: Bar Chart and Table

Risk/Return Bar Chart

The Fund's IS class commenced operations on January 29, 2010. For the period prior to the commencement of operations of the IS class, the performance information shown below is for the Fund's SS class. The performance of the SS class has not been adjusted to reflect the expenses applicable to the IS class since the IS class has a lower expense ratio than the expense ratio of the SS class. The performance of the SS class has been adjusted to remove any voluntary waiver of Fund expenses related to the SS class that may have occurred during the period prior to the commencement of operations of the IS class.

The bar chart and performance table below reflect historical performance data for the Fund and are intended to help you analyze the Fund's investment risks in light of its historical returns. The bar chart shows the variability of the Fund's SS class total returns on a calendar year-by-year basis. The Average Annual Total Return table shows returns for each class averaged over the stated periods, and includes comparative

[Performance Information Illustrates Variability of Returns \[Text\]](#)

rr_PerformanceInformationIllustratesVariabilityOfReturns

performance information. The Fund's performance will fluctuate, and past performance (before and after taxes) is not necessarily an indication of future results. Updated performance information for the Fund is available under the "Products" section at FederatedInvestors.com or by calling 1-800-341-7400.

The bar chart shows the variability of the Fund's SS class total returns on a calendar year-by-year basis.

[Performance Availability Phone \[Text\]](#)

rr_PerformanceAvailabilityPhone

1-800-341-7400

[Performance Availability Website Address \[Text\]](#)

rr_PerformanceAvailabilityWebSiteAddress

FederatedInvestors.com

[Performance Past Does Not Indicate Future \[Text\]](#)

rr_PerformancePastDoesNotIndicateFuture

The Fund's performance will fluctuate, and past performance (before and after taxes) is not necessarily an indication of future results.

Federated MDT Stock Trust - SS Class
The Fund's SS class total return for the nine month period from January 1, 2012 to September 30, 2012, was 32.10%.

[Bar Chart \[Heading\]](#)
[Bar Chart Closing \[Text Block\]](#)

rr_BarChartHeading

Within the periods shown in the bar chart, the Fund's SS class highest quarterly return was 16.77% (quarter ended June 30, 2003). Its lowest quarterly return was (19.39)% (quarter ended September 30, 2002).

Average Annual Total Return Table

[Performance Table Heading](#)

rr_PerformanceTableHeading

[Performance Table Uses Highest Federal Rate](#)

rr_PerformanceTableUsesHighestFederalRate

[Performance Table Not Relevant to Tax Deferred](#)

rr_PerformanceTableNotRelevantToTaxDeferred

[Performance Table One Class of after Tax Shown \[Text\]](#)

rr_PerformanceTableOneClassOfAfterTaxShown

[Performance Table Narrative](#)

rr_PerformanceTableNarrativeTextBlock

The stated returns assume the highest historical **federal** income and capital gains tax rates. These after-tax returns do **not** reflect the effect of any applicable **state** and **local** taxes.

After-tax returns are not relevant to investors holding Shares through a 401(k) plan, an Individual Retirement Account (IRA) or other tax-advantaged investment plans.

In addition to Return Before Taxes, Return After Taxes is shown for the Fund's SS class to illustrate the effect of federal taxes on Fund returns.

In addition to Return Before Taxes, Return After Taxes is shown for the Fund's SS class to illustrate the effect of federal taxes on Fund returns. After-tax returns are shown only for the SS class and after tax-returns for the IS class will differ from those shown for the SS class. Actual after-tax returns depend on each investor's personal tax situation, and are likely to differ from those shown. After-tax returns are calculated using a standard set of assumptions. The stated returns assume the highest historical **federal** income and capital gains tax rates. These after-tax returns do **not** reflect the effect of any applicable **state** and **local** taxes. After-tax returns are not relevant to investors holding Shares through a 401(k) plan, an Individual Retirement

Account (IRA) or other tax-advantaged investment plans.

(For the Period Ended December 31, 2011)

FEDERATED
MDT STOCK
TRUST | IS

Risk/Return:	rr_RiskReturnAbstract	
Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)	rr_MaximumSalesChargeImposedOnPurchasesOverOfferingPrice	none
Maximum Deferred Sales Charge (Load) (as a percentage of original purchase price or redemption proceeds, as applicable)	rr_MaximumDeferredSalesChargeOverOther	none
Maximum Sales Charge (Load) Imposed on Reinvested Dividends (and other Distributions) (as a percentage of offering price)	rr_MaximumSalesChargeOnReinvestedDividendsAndDistributionsOverOther	none
Redemption Fee (as a percentage of amount redeemed, if applicable)	rr_RedemptionFeeOverRedemption	none
Exchange Fee Management Fee	rr_ExchangeFeeOverRedemption	none
Distribution (12b-1) Fee	rr_ManagementFeesOverAssets	0.75%
Other Expenses Acquired Fund Fees and Expenses	rr_DistributionAndService12b1FeesOverAssets	none
Total Annual Fund Operating Expenses	rr_OtherExpensesOverAssets	0.57%
Contractual Fee Waiver and Expense Reimbursements	rr_AcquiredFundFeesAndExpensesOverAssets	none
	rr_ExpensesOverAssets	1.32%
	fmst_ContractualFeeWaiverAndExpenseReimbursements	0.28%

[1]

Fee Waiver and/or Expense Reimbursements	rr_FeeWaiverOrReimbursementOverAssets	0.27%	[1]
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements	rr_NetExpensesOverAssets	0.77%	
1 Year	rr_ExpenseExampleYear01	104	
3 Years	rr_ExpenseExampleYear03	325	
5 Years	rr_ExpenseExampleYear05	563	
10 Years	rr_ExpenseExampleYear10	1,248	
1 Year	rr_AverageAnnualReturnYear01	2.23%	
5 Years	rr_AverageAnnualReturnYear05	(1.60%)	
10 Years	rr_AverageAnnualReturnYear10	2.61%	
FEDERATED MDT STOCK TRUST SS			
Risk/Return:	rr_RiskReturnAbstract		
Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)	rr_MaximumSalesChargeImposedOnPurchasesOverOfferingPrice	none	
Maximum Deferred Sales Charge (Load) (as a percentage of original purchase price or redemption proceeds, as applicable)	rr_MaximumDeferredSalesChargeOverOther	none	
Maximum Sales Charge (Load) Imposed on Reinvested Dividends (and other Distributions) (as a percentage of offering price)	rr_MaximumSalesChargeOnReinvestedDividendsAndDistributionsOverOther	none	
Redemption Fee (as a percentage of amount redeemed, if applicable)	rr_RedemptionFeeOverRedemption	none	
Exchange Fee	rr_ExchangeFeeOverRedemption	none	
Management Fee	rr_ManagementFeesOverAssets	0.75%	
Distribution (12b-1) Fee	rr_DistributionAndService12b1FeesOverAssets	none	
Other Expenses	rr_OtherExpensesOverAssets	0.57%	

Acquired Fund Fees and Expenses	rr_AcquiredFundFeesAndExpensesOverAssets	none	
Total Annual Fund Operating Expenses	rr_ExpensesOverAssets	1.32%	
Contractual Fee Waiver and Expense Reimbursements	fmst_ContractualFeeWaiverAndExpenseReimbursements	0.28%	[1]
Fee Waiver and/or Expense Reimbursements	rr_FeeWaiverOrReimbursementOverAssets	0.05%	[1]
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements	rr_NetExpensesOverAssets	0.99%	
1 Year	rr_ExpenseExampleYear01	104	
3 Years	rr_ExpenseExampleYear03	325	
5 Years	rr_ExpenseExampleYear05	563	
10 Years	rr_ExpenseExampleYear10	1,248	
2002	rr_AnnualReturn2002	(19.07%)	
2003	rr_AnnualReturn2003	27.92%	
2004	rr_AnnualReturn2004	9.90%	
2005	rr_AnnualReturn2005	5.07%	
2006	rr_AnnualReturn2006	17.40%	
2007	rr_AnnualReturn2007	1.27%	
2008	rr_AnnualReturn2008	(31.86%)	
2009	rr_AnnualReturn2009	18.87%	
2010	rr_AnnualReturn2010	9.88%	
2011	rr_AnnualReturn2011	2.01%	
Year to Date Return, Label	rr_YearToDateReturnLabel		The Fund's SS class total return for the nine month period
Bar Chart, Year to Date Return, Date	rr_BarChartYearToDateReturnDate		Sep. 30, 2012
Bar Chart, Year to Date Return	rr_BarChartYearToDateReturn	32.10%	
Highest Quarterly Return, Label	rr_HighestQuarterlyReturnLabel		highest quarterly return
Highest Quarterly Return, Date	rr_BarChartHighestQuarterlyReturnDate		Jun. 30, 2003
Highest Quarterly Return	rr_BarChartHighestQuarterlyReturn	16.77%	
Lowest Quarterly Return, Label	rr_LowestQuarterlyReturnLabel		lowest quarterly return
Lowest Quarterly Return, Date	rr_BarChartLowestQuarterlyReturnDate		Sep. 30, 2002

Lowest Quarterly Return	rr_BarChartLowestQuarterlyReturn	(19.39%)	
1 Year	rr_AverageAnnualReturnYear01	2.01%	
5 Years	rr_AverageAnnualReturnYear05	(1.67%)	
10 Years	rr_AverageAnnualReturnYear10	2.58%	
FEDERATED MDT STOCK TRUST Return After Taxes on Distributions SS			
Risk/Return:	rr_RiskReturnAbstract		
1 Year	rr_AverageAnnualReturnYear01	(0.07%)	
5 Years	rr_AverageAnnualReturnYear05	(2.81%)	
10 Years	rr_AverageAnnualReturnYear10	1.37%	
FEDERATED MDT STOCK TRUST Return After Taxes on Distributions and Sale of Fund Shares SS			
Risk/Return:	rr_RiskReturnAbstract		
1 Year	rr_AverageAnnualReturnYear01	4.07%	
5 Years	rr_AverageAnnualReturnYear05	(1.46%)	
10 Years	rr_AverageAnnualReturnYear10	2.14%	
FEDERATED MDT STOCK TRUST Russell 1000® Value Index (reflects no deduction for fees, expenses or taxes)			
Risk/Return:	rr_RiskReturnAbstract		
1 Year	rr_AverageAnnualReturnYear01	0.39%	[2]
5 Years	rr_AverageAnnualReturnYear05	(2.64%)	[2]
10 Years	rr_AverageAnnualReturnYear10	3.89%	[2]
FEDERATED MDT STOCK TRUST S&P 500 Index (reflects no deduction for fees, expenses or taxes)			
Risk/Return:	rr_RiskReturnAbstract		
1 Year	rr_AverageAnnualReturnYear01	2.11%	[3]
5 Years	rr_AverageAnnualReturnYear05	(0.25%)	[3]
10 Years	rr_AverageAnnualReturnYear10	2.92%	[3]

[1] Under the investment advisory contract, the Adviser is required to reimburse/waive the amount, limited to the amount of the management fee, by which the Fund's aggregate annual operating expenses, including the management fee, but excluding interest,

taxes, brokerage commissions, expenses of registering and qualifying the Fund and its Shares under federal and state laws, expenses of withholding taxes and extraordinary expenses, exceed (after voluntary waivers and reimbursements) 1.00% of its average daily net assets. Shareholders must approve any changes to this contractual waiver/reimbursement. In addition, the Adviser and its affiliates have voluntarily agreed to waive their fees and/or reimburse expenses so that the total annual fund operating expenses (excluding Acquired Fund Fees and Expenses, if any) paid by the Fund's IS class and SS class will not exceed 0.77% and 0.99% (the "Fee Limit"), respectively, up to but not including the later of (a) January 1, 2014 (the "Termination Date"); or (b) the date of the Fund's next effective Prospectus. While the Adviser and its affiliates currently do not anticipate terminating or increasing these additional arrangements prior to the Termination Date, these additional arrangements may only be terminated or the Fee Limit increased prior to the Termination Date with the agreement of the Fund's Board of Trustees.

[2] The Russell 1000® Value Index measures the performance of the large-cap value segment of the U.S. equity universe. It includes those Russell 1000 companies with lower price-to-book ratios and higher forecasted growth values.

[3] S&P 500 Index is a market capitalization-weighted index of the stocks in the S&P 500 Index having the lowest price to book ratios.

FEDERATED MDT STOCK TRUST

Federated MDT Stock Trust (the "Fund")

RISK/RETURN SUMMARY: INVESTMENT OBJECTIVE

The Fund's investment objective is to provide growth of income and capital.

RISK/RETURN SUMMARY: FEES AND EXPENSES

This table describes the fees and expenses that you may pay if you buy and hold Institutional Shares (IS) and Service Shares (SS) of the Fund.

Shareholder Fees (fees paid directly from your investment)

Shareholder Fees FEDERATED MDT STOCK TRUST	IS	SS
<u>Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price)</u>	none	none
<u>Maximum Deferred Sales Charge (Load) (as a percentage of original purchase price or redemption proceeds, as applicable)</u>	none	none
<u>Maximum Sales Charge (Load) Imposed on Reinvested Dividends (and other Distributions) (as a percentage of offering price)</u>	none	none
<u>Redemption Fee (as a percentage of amount redeemed, if applicable)</u>	none	none
<u>Exchange Fee</u>	none	none

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)

Annual Fund Operating Expenses FEDERATED MDT STOCK TRUST	IS	SS
<u>Management Fee</u>	0.75%	0.75%
<u>Distribution (12b-1) Fee</u>	none	none
<u>Other Expenses</u>	0.57%	0.57%
<u>Acquired Fund Fees and Expenses</u>	none	none
<u>Total Annual Fund Operating Expenses</u>	1.32%	1.32%
<u>Contractual Fee Waiver and Expense Reimbursements</u>	[1] 0.28%	0.28%
<u>Fee Waiver and/or Expense Reimbursements</u>	[1] 0.27%	0.05%
<u>Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements</u>	0.77%	0.99%

[1] Under the investment advisory contract, the Adviser is required to reimburse/waive the amount, limited to the amount of the management fee, by which the Fund's aggregate annual operating expenses, including the management fee, but excluding interest, taxes, brokerage commissions, expenses of registering and qualifying the Fund and its Shares under federal and state laws, expenses of withholding taxes and extraordinary expenses, exceed (after voluntary waivers and reimbursements) 1.00% of its average daily net assets. Shareholders must approve any changes to this contractual waiver/reimbursement. In addition, the Adviser and its affiliates have voluntarily agreed to waive their fees and/or reimburse expenses so that the total annual fund operating expenses (excluding Acquired Fund Fees and Expenses, if any) paid by the Fund's IS class and SS class will not exceed 0.77% and 0.99% (the "Fee Limit"), respectively, up to but not including the later of (a) January 1, 2014 (the "Termination Date"); or (b) the date of the Fund's next

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Example

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds.

The Example assumes that you invest \$10,000 for the time periods indicated and then redeem all of your Shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the operating expenses are based on the contractual expense limitation as shown in the table above and remain the same. Although your actual costs and returns may be higher or lower, based on these assumptions your costs would be:

Expense Example

**FEDERATED MDT STOCK 1 Year 3 Years 5 Years 10 Years
TRUST (USD \$)**

IS	104	325	563	1,248
SS	104	325	563	1,248

Portfolio Turnover

The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Fund Shares are held in a taxable account. These costs, which are not reflected in Annual Fund Operating Expenses or in the Example, affect the Fund's performance. During the most recent fiscal year, the Fund's portfolio turnover rate was 121% of the average value of its portfolio.

RISK/RETURN SUMMARY: INVESTMENTS, RISKS and PERFORMANCE

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The Fund's investment adviser implements its strategy using a quantitative computer model driven by fundamental stock selection variables, including company valuations, profit trends and earnings risks. This process, called the Optimum Q process, seeks to impose strict discipline over stock selection, unimpeded by market or manager psychology. It seeks to maximize compound annual return while controlling risk.

Because the Fund refers to equity investments in its name, it will notify shareholders at least 60 days in advance of any change in its investment policies that would enable the Fund to normally invest less than 80% of its net assets (plus any borrowings for investment purposes) in equity investments.

The Fund actively trades its portfolio securities in an attempt to achieve its investment objective. Active trading will cause the Fund to have an increased portfolio turnover rate, which may generate shorter-term gains (losses) for its shareholders, which are taxed at a higher rate than longer-term gains (losses). Actively trading portfolio securities increases the Fund's trading costs and may have an adverse impact on the Fund's performance.

What are the Main Risks of Investing in the Fund?

All mutual funds take investment risks. Therefore, it is possible to lose money by investing in the Fund. The primary factors that may reduce the Fund's returns include:

- **Stock Market Risk.** The value of equity securities in the Fund's portfolio will fluctuate and, as a result, the Fund's Share price may decline suddenly or over a sustained period of time.
- **Large Sized Companies Risk.** The Fund will principally invest in large-size companies. Although diminished in larger cap companies, the risks of investing in all companies include business failure and reliance on erroneous reports. Larger, more established companies may be unable to respond quickly to new competitive challenges like changes in consumer tastes or innovative smaller competitors.
- **Risk Related to Investing for Value.** Due to their relatively low valuations, value stocks are typically less volatile than growth stocks. Additionally, value stocks tend to have higher dividends than growth stocks. This means they depend less on price changes for returns and may lag behind growth stocks in an up market.
- **Sector Risk.** Because the Fund may allocate relatively more assets to certain industry sectors than others, the Fund's performance may be more susceptible to any developments which affect those sectors emphasized by the Fund.
- **Quantitative Modeling Risk.** The Fund employs quantitative models as a management technique. These models examine multiple economic factors using various proprietary and third-party data. The results generated by quantitative analysis may perform differently than expected and may negatively affect Fund performance for various reasons (for example, human judgment, data imprecision, software or other technology malfunctions, or programming inaccuracies).

The Shares offered by this Prospectus are not deposits or obligations of any bank, are not endorsed or guaranteed by any bank and are not insured or guaranteed by the U.S. government, the Federal Deposit Insurance Corporation, the Federal Reserve Board or any other government agency.

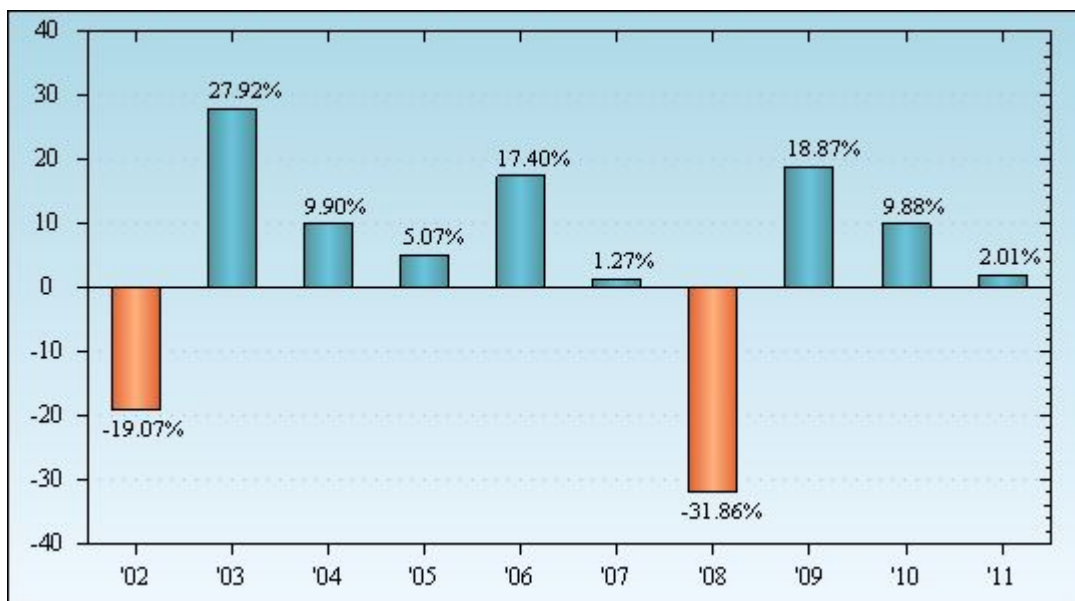
Performance: Bar Chart and Table

Risk/Return Bar Chart

The Fund's IS class commenced operations on January 29, 2010. For the period prior to the commencement of operations of the IS class, the performance information shown below is for the Fund's SS class. The performance of the SS class has not been adjusted to reflect the expenses applicable to the IS class since the IS class has a lower expense ratio than the expense ratio of the SS class. The performance of the SS class has been adjusted to remove any voluntary waiver of Fund expenses related to the SS class that may have occurred during the period prior to the commencement of operations of the IS class.

The bar chart and performance table below reflect historical performance data for the Fund and are intended to help you analyze the Fund's investment risks in light of its historical returns. The bar chart shows the variability of the Fund's SS class total returns on a calendar year-by-year basis. The Average Annual Total Return table shows returns for each class averaged over the stated periods, and includes comparative performance information. The Fund's performance will fluctuate, and past performance (before and after taxes) is not necessarily an indication of future results. Updated performance information for the Fund is available under the "Products" section at FederatedInvestors.com or by calling 1-800-341-7400.

Federated MDT Stock Trust - SS Class



The Fund's SS class total return for the nine month period from January 1, 2012 to September 30, 2012, was 32.10%.

Within the periods shown in the bar chart, the Fund's SS class highest quarterly return was 16.77% (quarter ended June 30, 2003). Its lowest quarterly return was (19.39)% (quarter ended September 30, 2002).

Average Annual Total Return Table

In addition to Return Before Taxes, Return After Taxes is shown for the Fund's SS class to illustrate the effect of federal taxes on Fund returns. After-tax returns are shown only for the SS class and after tax-returns for the IS class will differ from those shown for the SS class. Actual after-tax returns depend on each investor's personal tax situation, and are likely to differ from those shown. After-tax returns are calculated using a standard set of assumptions. The stated returns assume the highest historical **federal** income and capital gains tax rates. These after-tax returns do **not** reflect the effect of any applicable **state** and **local** taxes. After-tax returns are not relevant to investors holding Shares through a 401(k) plan, an Individual Retirement Account (IRA) or other tax-advantaged investment plans.

(For the Period Ended December 31, 2011)

Average Annual Total	
Returns FEDERATED MDT	1 Year 5 Years 10 Years
STOCK TRUST	

SS	2.01% (1.67%) 2.58%
SS Return After Taxes on Distributions	(0.07%) (2.81%) 1.37%
SS Return After Taxes on Distributions and Sale of Fund Shares	4.07% (1.46%) 2.14%
IS	2.23% (1.60%) 2.61%
Russell 1000® Value Index (reflects no deduction for fees, expenses or taxes) ^[1]	0.39% (2.64%) 3.89%
S&P 500 Index (reflects no deduction for fees, expenses or taxes)	^[2] 2.11% (0.25%) 2.92%

[1] The Russell 1000® Value Index measures the performance of the large-cap value segment of the U.S. equity universe. It includes those Russell 1000 companies with lower price-to-book ratios and higher forecasted growth values.

[2] S&P 500 Index is a market capitalization-weighted index of the stocks in the S&P 500 Index having the lowest price to book ratios.

**Document and Entity
Information**

**12 Months Ended
Dec. 31, 2012**

Risk/Return:

<u>Document Type</u>	485BPOS
<u>Document Period End Date</u>	Oct. 31, 2012
<u>Registrant Name</u>	FEDERATED MDT STOCK TRUST
<u>Central Index Key</u>	0000357236
<u>Amendment Flag</u>	false
<u>Document Creation Date</u>	Dec. 27, 2012
<u>Document Effective Date</u>	Dec. 28, 2012
<u>Prospectus Date</u>	Dec. 31, 2012