# FUTM - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

# October 2022

### S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	4.10	0.82	3.84	91.24

#### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	33.14	50.73	51.96	48.17	31.55	28.69	9.8311	49.79	9.9998	227.52	28.7207	13.47	4.8178
Virtu Agency	22.82	4.99	0.00	0.00	24.78	-0.07	-5.0000	-1.26	-5.0000	-4.57	-5.0000	0.00	0.0000
Virtu Americas, LLC	20.41	29.91	29.41	29.05	19.54	38.81	10.0000	42.65	10.0000	77.25	29.1602	17.28	8.8662
Speedroute, LLC	15.12	9.09	10.29	15.36	15.42	-4.21	-10.0000	-0.23	-10.0000	-1.15	-29.8961	-31.35	-13.2226
Dash/IMC Financial Markets	8.51	5.28	8.33	7.42	8.71	-1.72	-21.9323	-0.04	-4.8256	0.00	0.0000	-3.43	-14.8119

### Material Aspects:

#### CITADEL SECURITIES LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to tts affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to CDRG. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.0002 per share. Orders that are entered starting at 4 AM ET through 7 AM ET are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

#### Virtu Agency

Futu US inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to VALR to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

### Virtu Americas, LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to NITE. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.0002 per share.

Speedroute, LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to SPDR. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.002 per share.

Dash/IMC Financial Markets:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to DFIN to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

# October 2022

### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	5.42	1.11	3.68	89.79

#### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	36.17	47.69	50.47	51.02	34.69	218.41	3.1797	1,525.89	4.8295	2,158.43	7.6214	608.14	2.4906
Virtu Americas, LLC	23.82	28.61	29.63	29.24	23.23	115.64	1.8580	1,204.16	5.2038	1,063.42	6.4305	462.05	3.4177
Virtu Agency	17.95	5.86	0.00	0.00	19.64	-4.65	-5.0000	-204.98	-5.0000	-299.96	-5.0000	-0.86	-5.0000
Speedroute, LLC	13.64	11.30	13.67	12.76	13.82	-29.44	-1.6736	-476.73	-9.7230	-47.11	-10.7882	-484.69	-2.2801
Dash/IMC Financial Markets	8.43	6.54	6.22	6.98	8.63	-45.45	-11.4367	-0.33	-0.3279	0.00	0.0000	-113.96	-9.5717

### Material Aspects:

CITADEL SECURITIES LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to CDRG. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.0002 per share. Orders that are entered starting at 4 AM ET through 7 AM ET are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

Virtu Americas, LLC

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to NITE. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.002 per share.

Virtu Agency

Futu US inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to VALR to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

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Dash/IMC Financial Markets:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to DFIN to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

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# October 2022

## **Options**

### Summary

	Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
I	100.00	1.64	6.96	91.40	0.00

### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	48.33	44.00	49.76	48.30	0.00	142.00	54.8263	3,528.60	51.4899	1,544.60	50.4277	0.00	0.0000
Global Execution Brokers, LP	47.94	54.67	46.93	47.90	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
Dash/IMC Financial Markets	3.73	1.33	3.31	3.80	0.00	1.50	75.0000	37.50	52.0833	90.00	46.1538	0.00	0.0000

#### Material Aspects:

ITADEL SECURITIES LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing multi-listed option order flow to CDRG. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$1.00 per contract. For marketable orders on classes in the penny interval program the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.40 per contract, and for all other marketable orders the payment rate is \$0.90 per contract, and for all other marketable orders the payment rate is \$0.90 per contract.

Global Execution Brokers. LP:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing multi-listed option order flow to GEBB. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$1.00 per contract. For marketable orders on classes in the penny interval program the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.40 per contract, and for all other marketable orders the payment rate is \$0.90 per contract.

Dash/IMC Financial Markets:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing multi-listed option order flow to DFIN. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$1.00 per contract. For non-marketable orders on classes in the penny interval program the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.40 per contract.

# November 2022

### S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	6.71	0.73	3.58	88.98

#### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	46.95	62.71	65.14	64.73	44.90	373.45	9.9933	277.85	9.9903	1,892.14	29.4072	521.27	10.9837
Virtu Agency	23.61	2.30	0.00	0.00	26.37	-0.52	-5.0000	-12.24	-5.0000	-44.79	-5.0000	0.00	0.0000
Virtu Americas, LLC	21.91	29.74	30.65	30.74	20.89	180.25	10.0000	142.86	10.0000	882.09	29.8149	261.59	12.8100
Dash/IMC Financial Markets	5.99	4.23	3.46	3.55	6.24	-15.31	-17.4181	-0.35	-15.5531	0.00	0.0000	-27.59	-15.4066
Speedroute, LLC	1.54	1.03	0.75	0.98	1.61	-6.59	-10.0000	-0.04	-10.0000	-0.58	-22.6070	-29.83	-14.7281

### **Material Aspects:**

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#### Virtu Agency:

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# November 2022

### Non-S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	6.67	1.11	3.06	89.16

#### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	50.13	61.68	64.70	65.51	48.55	3,744.29	5.4712	25,980.67	7.1312	40,448.80	14.0271	6,643.62	3.4888
Virtu Americas, LLC	23.51	28.44	29.85	28.93	22.87	1,749.09	5.6597	11,952.65	6.7347	17,348.01	15.8599	3,854.80	4.6115
Virtu Agency	18.98	4.45	0.00	0.00	20.96	-53.57	-5.0000	-2,466.11	-5.0000	-3,153.58	-5.0000	-3.75	-5.0000
Dash/IMC Financial Markets	5.79	4.18	4.36	4.47	5.97	-98.11	-6.6940	-37.74	-2.3661	0.00	0.0000	-407.85	-5.4450
Speedroute, LLC	1.59	1.25	1.10	1.09	1.64	-126.97	-7.2344	-61.76	-7.6086	-39.34	-20.7070	-729.17	-5.1512

### Material Aspects:

#### CITADEL SECURITIES LLC

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# November 2022

## **Options**

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	2.39	10.38	87.23	0.00

#### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
Global Execution Brokers, LP	51.22	52.69	51.50	51.15	0.00	3,787.20	45.7889	24,409.10	48.1290	30,059.90	42.7412	4.80	40.0000
CITADEL SECURITIES LLC	41.58	41.01	41.09	41.66	0.00	3,096.00	51.1144	24,352.60	50.4414	21,895.40	43.3710	0.00	0.0000
Dash/IMC Financial Markets	7.19	6.30	7.41	7.19	0.00	783.50	53.6277	3,500.10	52.1236	4,313.30	42.5795	0.00	0.0000

### Material Aspects:

Global Execution Brokers, LP:

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#### CITADEL SECURITIES LLC

Futu US Inc. (Moomoo Financial Inc.) routes order flow to CDRG. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract.

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# December 2022

### S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	6.06	0.73	3.70	89.51

### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	57.11	64.61	66.50	63.75	56.25	589.31	9.9813	516.81	9.9998	2,251.25	29.0361	372.67	9.4874
Virtu Americas, LLC	20.80	29.39	29.18	31.14	19.72	253.19	10.0000	281.47	10.0000	879.92	29.8875	215.20	11.7089
Virtu Agency	15.75	1.26	0.00	0.00	17.51	-0.28	-5.0000	-7.46	-5.0000	-28.89	-5.0000	0.00	0.0000
Dash/IMC Financial Markets	5.07	3.68	3.67	4.13	5.22	-40.38	-27.1625	-0.13	-21.5968	0.00	0.0000	-18.72	-12.9182
Speedroute, LLC	1.27	1.06	0.66	0.98	1.30	-7.02	-10.0000	-0.07	-10.0000	-0.46	-29.7386	-33.75	-14.9798

### Material Aspects:

### CITADEL SECURITIES LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to CDRG. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders that are entered starting at 4 AM ET through 7 AM ET are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

#### Virtu Americas, LLC

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to NITE. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.002 per share.

#### Virtu Agency:

Futu US inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to VALR to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

#### Dash/IMC Financial Markets

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to DFIN to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

### Speedroute, LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to SPDR. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.0002 per share.

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# December 2022

### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders
100.00	6.13	1.04	3.19	89.65

### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
CITADEL SECURITIES LLC	57.08	61.79	63.49	62.99	56.48	3,940.05	4.4337	19,408.12	6.1461	42,789.45	13.1872	1,764.14	0.7552
Virtu Americas, LLC	22.47	28.10	29.79	29.49	21.75	1,811.63	4.2003	8,830.13	5.7189	15,312.37	13.0455	3,401.32	3.7121
Virtu Agency	11.81	2.93	0.00	0.01	12.97	-27.89	-5.0000	-1,408.64	-5.0000	-1,887.74	-5.0000	-3.70	-5.0000
Dash/IMC Financial Markets	7.42	6.07	5.76	6.46	7.56	-209.14	-5.4861	-16.79	-1.9990	0.00	0.0000	-693.00	-6.7115
Speedroute, LLC	1.22	1.11	0.96	1.05	1.23	-62.38	-7.3309	-55.56	-9.6518	-71.39	-22.6676	-603.33	-5.6330

### Material Aspects:

### CITADEL SECURITIES LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to CDRG. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders that are entered starting at 4 AM ET through 7 AM ET are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

#### Virtu Americas, LLC

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to NITE. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.002 per share.

#### Virtu Agency

Futu US inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to VALR to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

#### Dash/IMC Financial Markets

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing Inc. routes orders to DFIN to which orders are executed leveraging executing venues sweep and algorithmic order routing strategies. Futu Clearing Inc pays exchange, regulatory, market data, and clearing fees and receives exchange rebates as credits where applicable. Futu Clearing Inc may also receive incremental pricing benefits if certain volume thresholds are met as part of a cost/plus model with the base commission being \$0.0005 per share.

### Speedroute, LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing listed equity order flow to SPDR. For marketable orders the payment rate is \$0.001 per share, for non-marketable orders the rate is \$0.003 per share, and for extended hours orders the rate is \$0.0002 per share.

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# December 2022

# **Options**

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non- Directed Orders	Non-Marketable Limit Orders as % of Non- Directed Orders	Other Orders as % of Non-Directed Orders		
100.00	2.95	12.76	84.28	0.00		

### Venues

Venue - Non-directed Order Flow	Non- Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non- Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(USD)	Net Payment Paid/ Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/ Received for Non- Marketable Limit Orders(USD)	Net Payment Paid/ Received for Non- Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cents per hundred shares)
Global Execution Brokers, LP	54.05	53.31	54.81	53.96	0.00	12,616.90	48.0552	43,636.30	48.0164	47,634.80	41.6450	2.80	40.0000
CITADEL SECURITIES LLC	39.83	40.23	39.00	39.94	0.00	8,779.00	51.8578	37,233.20	49.2913	31,173.90	42.2485	0.00	0.0000
Dash/IMC Financial Markets	6.12	6.46	6.19	6.10	0.00	1,772.00	50.6575	4,348.20	51.1613	5,951.30	41.8457	1.60	40.0000

### Material Aspects:

#### Global Execution Brokers, LP:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing multi-listed option order flow to GEBB. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$0.90 per contract. For marketable orders on classes in the penny interval program the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.40 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract.

#### CITADEL SECURITIES LLC:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing multi-listed option order flow to CDRG. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$1.00 per contract. For marketable orders on classes in the penny interval program the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.40 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract.

#### Dash/IMC Financial Markets:

Futu US Inc. (Moomoo Financial Inc.) routes order flow to Its affiliated broker-dealer Futu Clearing Inc. for further order handling. Futu Clearing, Inc. receives payment for routing multi-listed option order flow to DFIN. For complex orders on classes in the penny interval program the payment rate is \$0.40 per contract, and for all other complex orders the payment rate is \$1.00 per contract. For marketable orders on classes in the penny interval program the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.40 per contract, and for all other marketable orders the payment rate is \$0.50 per contract, and for all other marketable orders the payment rate is \$0.50 per contract.