

Moomoo Financial Inc - 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	0.06	22.53	77.26	0.15

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)
Nasdaq Stock Market (XNAS)	57.80	100.00	6.41	72.77	52.14	-0	-4.8750	-352	-28.0200	2,821	26.3103	-0	-3.2193
CBOE EDGX Exchange (EDGX)	12.72	0.00	1.93	15.90	0.00	0		-117	-28.5365	368	23.1307	0	
IBKR ATS (IATS)	8.41	0.00	36.43	0.27	0.00	0		0	0.0000	0	0.0000	0	
New York Stock Exchange (XNYS)	6.45	0.00	0.27	8.17	47.86	0		-23	-27.2045	699	19.0941	-0	-7.0644
XTX Execution Services LLC (XTXE)	2.13	0.00	8.64	0.23	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	2.10	0.00	5.86	1.00	0.00	0		-318	-29.9214	72	24.4572	0	
UBS ATS (UBSA)	1.25	0.00	5.54	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGX Exchange (EDGX):

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IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate

exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

New York Stock Exchange (XNYS):

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NYSE Arca (ARCX):

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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	0.02	31.13	68.54	0.31

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)
Nasdaq Stock Market (XNAS)	35.88	100.00	9.47	47.74	59.26	-4	-10.7531	-15,125	-21.1954	25,267	11.3414	-36	-6.3395
NYSE Arca (ARCX)	16.58	0.00	7.17	20.90	5.60	0		-10,294	-16.7070	23,866	28.4876	-5	-14.1057
CBOE EDGX Exchange (EDGX)	13.98	0.00	3.22	18.94	0.00	0		-5,262	-17.7869	5,782	19.5203	0	
New York Stock Exchange (XNYS)	5.14	0.00	0.55	7.11	29.50	0		-994	-25.3711	5,113	18.4221	-8	-4.3187
IBKR ATS (IATS)	4.96	0.00	15.33	0.27	0.00	0		0	0.0000	0	0.0000	0	
HRT Execution Services LLC (HRTX)	3.13	0.00	10.05	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	2.24	0.00	7.19	0.00	0.00	0		4,317	16.5759	-0	-27.1324	0	
UBS ATS (UBSA)	1.97	0.00	6.28	0.03	0.00	0		0	0.0000	0		0	
IEX (IEXD)	1.91	0.00	4.98	0.53	0.00	0		-234	-6.6650	-1	-0.2550	0	
MIAX PEARL Equities (EPRL)	1.89	0.00	2.35	1.69	0.00	0		-4,401	-27.3828	5,179	28.7547	0	
CBOE BYX	1.73	0.00	2.91	1.20	0.00	0		172	0.9842	-4	-3.0229	0	

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)
Exchange (BATY)													
CODA (CODA)	1.58	0.00	5.06	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

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CBOE EDGA Exchange (EDGA):

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IEX (IEXD):

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MIAx PEARL Equities (EPRL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BYX Exchange (BATY):

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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
100.00	0.00	14.64	85.36	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)
CBOE C2 Exchange (C2OX)	25.26		5.68	28.62		0		-13,060	-42.1179	22,809	41.9315	0	
Cboe EDGX Options Exchange (EDGO)	20.46		10.13	22.24		0		5,085	24.1723	29,692	21.0016	0	
Chicago Board Options Exchange (XCBO)	13.13		2.07	15.02		0		2,934	25.2258	2,397	9.7853	0	
NYSE Arca Options (ARCO)	9.11		9.65	9.02		0		-10,009	-49.7225	8,945	49.7482	0	
Nasdaq GEMX (GMNI)	8.42		1.71	9.57		0		-1,680	-39.7477	8,116	40.3490	0	
Nasdaq Options Market (XNDQ)	8.04		3.12	8.89		0		-3,199	-40.9603	8,321	47.3856	0	
Nasdaq MRX (MCRY)	4.23		28.65	0.05		0		17,849	31.1303	113	27.8596	0	
MIAX Emerald Exchange (EMLD)	3.25		2.11	3.45		0		-1,198	-37.0904	4,020	42.9901	0	

Material Aspects:

CBOE C2 Exchange (C2OX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe EDGX Options Exchange (EDGO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Chicago Board Options Exchange (XCBO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca Options (ARCO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq GEMX (GMNI):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq Options Market (XNDQ):

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Nasdaq MRX (MCRY):

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MIAX Emerald Exchange (EMLD):

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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	0.05	25.00	74.81	0.14

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)
Nasdaq Stock Market (XNAS)	69.11	100.00	5.24	90.42	80.00	-0	-8.4375	-25	-28.8778	292	26.7969	-0	-11.2500
IBKR ATS (IATS)	6.22	0.00	24.32	0.18	0.00	0		0	0.0000	0	0.0000	0	
CBOE EDGX Exchange (EDGX)	4.48	0.00	1.19	5.59	0.00	0		-3	-24.1445	20	25.8200	0	
XTX Execution Services LLC (XTXE)	2.83	0.00	10.61	0.24	0.00	0		0	0.0000	0	0.0000	0	
HRT Execution Services LLC (HRTX)	1.93	0.00	7.72	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	1.80	0.00	7.21	0.00	0.00	0		0	0.0000	0		0	
NYSE Arca (ARCX)	1.80	0.00	4.71	0.83	0.00	0		-13	-30.0000	4	25.0000	0	
SG Americas Securities, LLC (SGAS)	1.57	0.00	6.27	0.00	0.00	0		0	0.0000	0		0	
CODA (CODA)	1.36	0.00	5.44	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

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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	0.02	29.67	69.95	0.35

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)
Nasdaq Stock Market (XNAS)	31.46	100.00	8.87	40.89	56.52	-0	-12.5000	-792	-18.5102	1,135	22.7287	-1	-4.7368
CBOE EDGX Exchange (EDGX)	22.86	0.00	4.83	30.63	0.00	0		-731	-22.6128	666	5.6328	0	
NYSE Arca (ARCA)	12.09	0.00	9.64	13.18	2.48	0		-986	-17.4628	667	28.4398	-0	-15.0000
New York Stock Exchange (XNYS)	7.44	0.00	0.96	10.04	37.89	0		-357	-28.4106	933	19.6387	-0	-1.6394
IBKR ATS (IATS)	4.53	0.00	14.61	0.28	0.00	0		0	0.0000	0	0.0000	0	
HRT Execution Services LLC (HRTX)	2.47	0.00	8.31	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	2.20	0.00	2.48	2.09	0.00	0		6	0.8123	-0	-2.8191	0	
IEX (IEXG)	2.15	0.00	6.71	0.23	0.00	0		-21	-6.8465	0	0.0000	0	
UBS ATS (UBSA)	1.93	0.00	6.51	0.00	0.00	0		0	0.0000	0		0	
CODA (CODA)	1.70	0.00	5.74	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	1.63	0.00	5.47	0.01	0.00	0		158	15.0131	-0	-30.0000	0	

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November 2022

Options

Summary

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100.00	0.00	16.73	83.27	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)
CBOE C2 Exchange (C2OX)	29.53	100.00	7.30	33.99		0		-9,140	-41.7293	14,088	41.9224	0	
Cboe EDGX Options Exchange (EDGO)	20.99	0.00	10.95	23.00		0		2,897	24.4795	15,897	21.0045	0	
Chicago Board Options Exchange (XCBO)	13.22	0.00	2.11	15.46		0		3,434	29.7734	1,312	9.9196	0	
NYSE Arca Options (ARCO)	10.94	0.00	10.86	10.95		0		-4,869	-49.0726	3,603	44.4412	0	
Nasdaq Options Market (XNDQ)	8.79	0.00	3.20	9.91		0		-2,178	-33.5921	4,094	38.8973	0	

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)
Nasdaq MRX (MCRY)	4.38	0.00	25.95	0.05		0		9,568	31.3141	44	26.8659	0	
Nasdaq GEMX (GMNI)	4.37	0.00	1.27	5.00		0		-753	-41.0810	1,827	40.2273	0	

Material Aspects:

CBOE C2 Exchange (C2OX):

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Nasdaq MRX (MCRY):

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December 2022

S&P 500 Stocks

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100.00	0.00	36.30	63.70	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)
CBOE EDGX Exchange (EDGX)	31.68		0.91	49.22		0		0		-0	-10.7273	0	
New York Stock	22.44		0.91	34.72		0		-0	-29.0000	6	19.8575	0	

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)
Exchange (XNYS)													
IBKR ATS (IATS)	15.18		39.09	1.55		0		0	0.0000	0	0.0000	0	
XTX Execution Services LLC (XTXE)	6.93		13.64	3.11		0		0	0.0000	0	0.0000	0	
Nasdaq Stock Market (XNAS)	5.28		2.73	6.74		0		-0	-30.0000	0	28.0000	0	
CBOE BYX Exchange (BATY)	2.31		0.00	3.63		0		0		0		0	
HRT Execution Services LLC (HRTX)	2.31		6.36	0.00		0		0	0.0000	0		0	
IEX (IEXD)	2.31		6.36	0.00		0		-0	-9.0000	0		0	
SG Americas Securities, LLC (SGAS)	1.65		4.55	0.00		0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.65		4.55	0.00		0		0	0.0000	0		0	

Material Aspects:

CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

New York Stock Exchange (XNYS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IEX (IEXD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

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	0.01	21.70	77.78	0.52

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)
Nasdaq Stock Market (XNAS)	43.33	100.00	7.66	53.04	78.38	0	0.0000	-241	-27.1127	204	5.8326	-2	-11.9336
CBOE EDGX Exchange (EDGX)	13.55	0.00	5.02	16.02	0.00	0		-95	-13.0434	36	21.6758	0	
NYSE Arca (ARCX)	13.43	0.00	10.08	14.43	4.05	0		-114	-9.7162	52	21.5608	-0	-7.5000
New York Stock Exchange (XNYS)	7.72	0.00	1.03	9.54	14.86	0		-168	-28.9332	244	19.3345	-0	-12.8846
IBKR ATS (IATS)	3.81	0.00	16.58	0.27	0.00	0		0	0.0000	0	0.0000	0	
CBOE BYX Exchange (BATY)	3.09	0.00	2.51	3.28	0.00	0		4	0.9661	0	2.0000	0	
Citadel Securities "PRO" (CDRG)	1.80	0.00	8.31	0.00	0.00	0		0	0.0000	0		0	
MEMX LLC (MEMX)	1.64	0.00	1.03	1.82	0.00	0		-10	-28.4517	159	20.0000	0	
IEX (IEXG)	1.61	0.00	7.02	0.11	0.00	0		-4	-9.5746	0	0.0000	0	
UBS ATS (UBSA)	1.43	0.00	6.57	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca (ARCX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

New York Stock Exchange (XNYS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

MEMX LLC (MEMX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

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	0.00	6.64	93.36	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)
Nasdaq ISE (XISX)	28.23		5.56	29.84		0		2	19.2707	43	86.0000	0	
NYSE Arca Options (ARCO)	27.68		5.56	29.25		0		-45	-85.0000	40	75.0000	0	
Nasdaq Options Market (XNDQ)	15.87		2.78	16.80		0		-21	-49.0000	0		0	
CBOE C2 Exchange (C2OX)	9.23		2.78	9.68		0		-3	-43.0000	0		0	
Cboe EDGX Options Exchange (EDGO)	4.98		2.78	5.14		0		0	21.0000	4	21.0000	0	
Nasdaq PHLX (XPHL)	2.58		16.67	1.58		0		6	55.2000	0		0	
NYSE American Options (AMXO)	2.58		0.00	2.77		0		0		0		0	

Material Aspects:

Nasdaq ISE (XISX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca Options (ARCO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq Options Market (XNDQ):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE C2 Exchange (C2OX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

clients.

Cboe EDGX Options Exchange (EDGO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq PHLX (XPHL):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE American Options (AMXO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.