UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): August 7, 2024

Emerson Electric Co.

(Exact Nat	me of Registrant as Specified	in Charter)
Missouri	1-278	43-0259330
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(I.R.S. Employer Identification Number)
8000 West Florissant Avenue		
St. Louis, Missouri		63136
(Address of Principal Executive Offices)		(Zip Code)
Registrant	s telephone number, including	g area code:
	(314) 553-2000	
Check the appropriate box below if the Form 8-K filing is inten provisions: Written communications pursuant to Rule 425 under the Se Soliciting material pursuant to Rule 14a-12 under the Excha Pre-commencement communications pursuant to Rule 14d Pre-commencement communications pursuant to Rule 13e	ecurities Act (17 CFR 230.425 ange Act (17 CFR 240.14a-12 -2(b) under the Exchange Act) ?) : (17 CFR 240.14d-2(b))
Securities registered pursuant to Section 12(b) of the Act:		
Title of each class Common Stock of \$0.50 par value per share 1.250% Notes due 2025 2.000% Notes due 2029	Trading Symbol(s) EMR EMR 25A EMR 29	Name of each exchange on which registered New York Stock Exchange NYSE Chicago New York Stock Exchange New York Stock Exchange
Indicate by check mark whether the registrant is an emerging gro Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of	. ,	ule 405 of the Securities Act of 1933 (§230.405 of this chapter)
☐ Emerging growth company		
If an emerging growth company, indicate by check mark if the regrevised financial accounting standards provided pursuant to Sect		

Item 2.02 Results of Operations and Financial Condition

Quarterly Results Press Release

On Wednesday, August 7, 2024, a press release was issued regarding the third quarter results of Emerson Electric Co. (the "Company"). A copy of this press release is furnished with this Current Report on Form 8-K as Exhibit 99.1.

References to underlying orders in the press release refer to the Company's trailing three-month average orders growth versus the prior year, excluding currency, and significant acquisitions and divestitures.

Non-GAAP Financial Measures

The press release contains non-GAAP financial measures as such term is defined in Regulation G under the rules of the Securities and Exchange Commission. While the Company believes these non-GAAP financial measures are useful in evaluating the Company, this information should be considered as supplemental in nature and not as a substitute for or superior to the related financial information prepared in accordance with GAAP. Further, these non-GAAP financial measures may differ from similarly titled measures presented by other companies. The reasons management believes that these non-GAAP financial measures provide useful information are set forth in the Company's most recent Form 10-K filed with the Securities and Exchange Commission and in the press release furnished with this Form 8-K.

Forward-Looking and Cautionary Statements

Statements in the press release that are not strictly historical may be "forward-looking" statements, which involve risks and uncertainties, and Emerson undertakes no obligation to update any such statements to reflect later developments. These risks and uncertainties include the scope, duration and ultimate impacts of the Russia-Ukraine and other global conflicts, as well as economic and currency conditions, market demand, pricing, protection of intellectual property, cybersecurity, tariffs, competitive and technological factors, inflation, among others, as set forth in the Company's most recent Annual Report on Form 10-K and subsequent reports filed with the SEC. The outlook contained herein represents the Company's expectations for its consolidated results, other than as noted herein.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

Exhibit Number	Description of Exhibits
99.1 104	Emerson's August 7, 2024 press release announcing third quarter results. Cover Page Interactive Data File - the cover page XBRL tags are embedded within the Inline XBRL document.

SIGNATURE

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

EMERSON ELECTRIC CO. (Registrant)

Date: August 7, 2024 By: /s/ John A. Sperino

John A. Sperino Vice President and Assistant Secretary



Emerson Reports Third Quarter 2024 Results; Updates 2024 Outlook

ST. LOUIS (August 7, 2024) - Emerson (NYSE: EMR) today reported results¹ for its third quarter ended June 30, 2024 and updated its full year outlook for fiscal 2024. Emerson also declared a quarterly cash dividend of \$0.525 per share of common stock payable September 10, 2024 to stockholders of record on August 16, 2024.

(dollars in millions, except per share)	2023 Q3	2024 Q3	Change
Underlying Orders ²			3%
Net Sales	\$3,946	\$4,380	11%
Underlying Sales ³			3%
Pretax Earnings	\$822	\$455	
Margin	20.8%	10.4%	(1040) bps
Adjusted Segment EBITA ⁴	\$1,060	\$1,189	
Margin	26.9%	27.1%	20 bps
GAAP Earnings Per Share	\$1.12	\$0.60	(46)%
Adjusted Earnings Per Share ⁵	\$1.29	\$1.43	11%
Operating Cash Flow	\$842	\$1,067	27%
Free Cash Flow	\$769	\$975	27%

Management Commentary

"Emerson delivered another strong quarter, with solid underlying orders growth and with profitability and cash flow both exceeding expectations," said Emerson President and Chief Executive Officer Lal Karsanbhai. "Demand in process and hybrid markets, led by a constructive capex cycle, continues to meet expectations. Our operating leverage performance demonstrates the benefits of our highly differentiated technology and world-class Emerson Management System, giving us the confidence to execute on our plan for 2024."

Karsanbhai continued, "In the quarter, we also took another important step to simplify our portfolio and enhance our focus as a global leader in automation with the definitive agreement to completely exit the Copeland business. Emerson is creating value for our shareholders as we execute with our higher growth and higher margin automation portfolio."

2024 Outlook

The following tables summarize the fiscal year 2024 guidance framework for continuing operations⁶. The 2024 outlook assumes approximately \$300 million returned to shareholders through share repurchases and approximately \$1.2 billion of dividend payments. Guidance figures are approximate.

	2024
Net Sales Growth	~15%
Underlying Sales Growth	~6%
Earnings Per Share	\$2.82 - \$2.87
Amortization of Intangibles	~\$1.42
Restructuring and Related Costs	~\$0.34
Loss on Copeland Note Receivable	\$0.38
Amortization of Acquisition-related Inventory Step-up	\$0.38
Acquisition / Divestiture Fees and Related Costs	~\$0.24
Divestiture Loss / (Gain), net	(\$0.03)
Discrete Tax Benefits	(\$0.10)
Adjusted Earnings Per Share	\$5.45 - \$5.50
Operating Cash Flow	~\$3.2B
Free Cash Flow	~\$2.8B

¹ Results are presented on a continuing operations basis.

² Underlying orders does not include AspenTech.

³ Underlying sales excludes the impact of currency translation, and significant acquisitions and divestitures.

⁴ Adjusted segment EBITA represents segment earnings less restructuring and intangibles amortization expense.

- ⁵ Adjusted EPS excludes intangibles amortization expense, restructuring and related costs, the amortization of acquisition-related inventory step-up, acquisition/divestiture gains, losses, fees and related costs, discrete tax benefits, an AspenTech Micromine purchase price hedge and write-offs associated with Emerson's Russia exit.
- ⁶ With the June 6, 2024 definitive agreement to completely exit its remaining interests in the Copeland joint venture, Emerson will report financial results for the Copeland equity ownership as discontinued operations for all periods presented, beginning in Q3 2024. The earnings from discontinued operations for 2024 are expected to be \$0.55 to \$0.60 per share, including the after-tax gain on the equity stake in Copeland. The Copeland Note Receivable interest income through June 6, 2024 remains in continuing operations. The pretax loss on the sale of the note receivable, \$279M (\$217M after-tax), is also reported in continuing operations but excluded from adjusted earnings per share, (\$0.38).

Copeland Transaction Update

As of August 2, 2024, Emerson has completed the previously announced sale of the Copeland Note Receivable to Copeland with pretax cash proceeds of \$1.9 billion. The sale of the 40% equity stake to private equity funds managed by Blackstone, with pretax cash proceeds of \$1.5 billion, is expected to close by the end of August. Emerson intends to use the approximately \$2.9 billion after-tax cash proceeds from both transactions to pay down its existing debt obligations. Both transactions are expected to result in a net pretax gain of approximately \$0.2 billion.

Conference Call

Today, beginning at 8:00 a.m. Central Time / 9:00 a.m. Eastern Time, Emerson management will discuss the third quarter results during an investor conference call. Participants can access a live webcast available at www.emerson.com/investors at the time of the call. A replay of the call will be available for 90 days. Conference call slides will be posted in advance of the call on the company website.

About Emerson

Emerson (NYSE: EMR) is a global technology and software company providing innovative solutions for the world's essential industries. Through its leading automation portfolio, including its majority stake in AspenTech, Emerson helps hybrid, process and discrete manufacturers optimize operations, protect personnel, reduce emissions and achieve their sustainability goals. For more information, visit Emerson.com.

Forward-Looking and Cautionary Statements

Statements in this press release that are not strictly historical may be "forward-looking" statements, which involve risks and uncertainties, and Emerson undertakes no obligation to update any such statements to reflect later developments. These risks and uncertainties include the scope, duration and ultimate impacts of the Russia-Ukraine and other global conflicts, as well as economic and currency conditions, market demand, pricing, protection of intellectual property, cybersecurity, tariffs, competitive and technological factors, inflation, among others, as set forth in the Company's most recent Annual Report on Form 10-K and subsequent reports filed with the SEC. The outlook contained herein represents the Company's expectation for its consolidated results, other than as noted herein.

Emerson uses our Investor Relations website, www.Emerson.com/investors, as a means of disclosing information which may be of interest or material to our investors and for complying with disclosure obligations under Regulation FD. Accordingly, investors should monitor our Investor Relations website, in addition to following our press releases, SEC filings, public conference calls, webcasts and social media. The information contained on, or that may be accessed through, our website is not incorporated by reference into, and is not a part of, this document.

Investors: Colleen Mettler (314) 553-2197 Media: Joseph Sala / Greg Klassen Joele Frank, Wilkinson Brimmer Katcher (212) 355-4449

(tables attached)

EMERSON AND SUBSIDIARIES CONSOLIDATED OPERATING RESULTS (AMOUNTS IN MILLIONS EXCEPT PER SHARE, UNAUDITED)

Scales		Quarter Ended June 30,		Ν	Nine Months Ended 30,		ed June		
Cost of sales 1,952 2,066 5,660 6,351 SG&A expenses 1,042 1,254 3,072 3,822 Gain on subordinated interest — — — — — 277 Loss on Copeland note receivable — — 279 — 227 Other deductions, net 130 294 359 1,072 Interest expense, net 10 56 111 157 Interest income from related party¹ (10) (24) (10) (86 Earnings from continuing operations before income taxes 822 455 1,883 1,34 Income taxes 168 88 400 266 Earnings from continuing operations 654 367 1,483 1,077 Discontinued operations, net of tax 8,712 (15) 10,979 (88 Net earnings from continuing operations 8,712 (15) 10,979 (88 Less: Noncontrolling interests in subsidiaries 14 23 (13) 11		_	2023		2024		2023		2024
SG&A expenses 1,042 1,254 3,072 3,827 Gain on subordinated interest — — — 279 — 227 Closs on Copeland note receivable — 130 294 359 1,075 Other deductions, net 1130 294 359 1,075 Interest steponse, net 100 65 111 1,075 Interest steponse, net 100 (24) (10) (86 Earnings from continuing operations before income taxes 822 455 1,883 1,34 Income taxes 664 367 1,483 1,07 Discontinued operations, net of tax 8,712 (115) 10,97 (26 Ret armings 9,366 352 12,462 98 Less: Noncontrolling interests in subsidiaries 14 23 1(13) 11 Net earnings common stockholders 8,735 323 11,30 11 Earnings from continuing operations 8,643 8,344 1,502 1,66	Net sales	\$	3,946	\$	4,380	\$	11,075	\$	12,873
Gain on subordinated interest — — — — 2 (7) Loss on Copeland note receivable — 279 — 277 Other deductions, net 130 294 359 1,07 Interest expense, net 10 56 1111 155 Interest income from related party¹ (10) (24) (10) 086 Earnings from continuing operations before income taxes 822 455 1,883 1,34 Income taxes 168 88 400 266 Earnings from continuing operations 654 367 1,483 1,07 Discontinued operations, net of tax 8,712 (15) 10,979 (86 Net earnings 9,366 352 12,462 98 Less: Noncontrolling interests in subsidiaries 9,356 329 12,475 98 Less: Noncontrolling operations 8,643 3,44 1,502 1,06 Discontinued operations 8,709 (15) 10,973 (88 Net earnings from	Cost of sales		1,952		2,066		5,660		6,359
Loss on Copeland note receivable — 279 — 277 Other deductions, net 130 294 359 1,275 Interest expense, net 110 264 110 165 Interest income from related party¹ (10) (24) (10) 0.88 Earnings from continuing operations before income taxes 822 455 1,883 1,34 Income taxes 664 367 1,483 1,07 Earnings from continuing operations 654 367 1,483 1,07 Discontinued operations, net of tax 8,712 (15) 10,979 (88 Net earnings 9,366 352 12,462 96 Less: Noncontrolling interests in subsidiaries 14 23 (13) 11 Net earnings common stockholders \$9,352 329 \$12,475 967 Earnings from continuing operations \$643 \$344 \$1,502 \$1,606 Discontinued operations \$9,352 \$329 \$12,475 \$97 Diluted avg.	SG&A expenses		1,042		1,254		3,072		3,827
Other deductions, net Interest expense, net Interest expense, net Interest income from related party¹ (10) 56 111 155 1.07 11 155 1.07 11 155 1.07 11 155 1.07 11 155 1.07 155 1.0	Gain on subordinated interest		_				_		(79)
Interest expense, net 10 56 111 155 116	Loss on Copeland note receivable		_		279		_		279
Interest income from related party¹ (10) (24) (10) (86) Earnings from continuing operations before income taxes 822 455 1,883 1,344 Income taxes 168 88 400 266 Earnings from continuing operations 654 367 1,483 1,075 Discontinued operations, net of tax 8,712 (15) 10,979 (88 Net earnings 9,366 352 12,462 988 Less: Noncontrolling interests in subsidiaries 14 23 (10) 11 Net earnings common stockholders 8 352 329 12,475 977 Earnings from continuing operations 8,643 344 1,502 1,06 Discontinued operations 8,709 (15) 10,973 0.86 Net earnings from continuing operations \$74.0 \$74.8 \$78.1 \$74.1 Diluted earnings per share common stockholders \$1.12 \$0.60 \$2.60 \$1.80 Earnings from continuing operations \$1.50 \$0.50	Other deductions, net		130		294		359		1,075
Earnings from continuing operations before income taxes 822 455 1,883 1,34 Income taxes 168 88 400 266 Earnings from continuing operations 654 367 1,483 1,075 Discontinued operations, net of tax 8,712 (15) 10,979 (88 Net earnings 9,366 352 12,462 98 Less: Noncontrolling interests in subsidiaries 14 23 (13) 1.15 Net earnings common stockholders 8,9352 329 12,475 97 Earnings from continuing operations 8,709 (15) 10,973 (88 Net earnings from continuing operations 8,709 (15) 10,973 (88 Net earnings from continuing operations 8,709 (15) 10,973 (88 Net earnings from continuing operations 574.0 574.8 578.1 574.2 Diluted earnings per share common stockholders 8,112 8,060 \$2.60 \$1.8 Earnings from continuing operations \$15.62 \$0.57	Interest expense, net				56		111		157
Income taxes 168 88 400 266 Earnings from continuing operations, net of tax 8,712 (15) 10,979 88 Net earnings 9,366 352 12,462 98 Less: Noncontrolling interests in subsidiaries 14 23 (13) 11 Net earnings common stockholders 39,352 329 12,475 977 Earnings from continuing operations 8,709 (15) 10,973 88 Pair ings from continuing operations 8,709 (15) 10,973 88 Net earnings from continuing operations 8,709 (15) 10,973 88 Net earnings common stockholders 8,709 (15) 10,973 88 Net earnings per share common stockholders \$1,12 \$0,60 \$1,20 \$1,20 Diluted earnings per share common stockholders \$1,12 \$0,60 \$2,60 \$1,80 Earnings from continuing operations \$1,12 \$0,60 \$2,60 \$1,80 Discontinued operations \$1,12 \$0,60 \$2,60	Interest income from related party ¹		(10)		(24)		(10)		(86)
Earnings from continuing operations 654 367 1,483 1,075 Discontinued operations, net of tax 8,712 (15) 10,979 (88 Net earnings 9,366 352 12,462 98 Less: Noncontrolling interests in subsidiaries 14 23 (13) 13 Net earnings common stockholders \$9,352 \$329 \$12,475 \$9.77 Earnings from continuing operations \$643 \$344 \$1,502 \$1,060 Discontinued operations \$9,352 \$329 \$12,475 \$9.77 Net earnings from continuing operations \$643 \$344 \$1,502 \$1,060 Net earnings common stockholders \$9,352 \$329 \$12,475 \$9.77 Diluted avg. shares outstanding \$74.0 \$74.8 \$78.1 \$74.1 Diluted earnings per share common stockholders \$1.12 \$0.60 \$2.60 \$1.80 Earnings from continuing operations \$15.16 (0.03) \$18.96 (0.15 Diluted earnings per common share \$15.16 (0.03) <th>Earnings from continuing operations before income taxes</th> <th></th> <th>822</th> <th></th> <th>455</th> <th></th> <th>1,883</th> <th></th> <th>1,341</th>	Earnings from continuing operations before income taxes		822		455		1,883		1,341
Discontinued operations, net of tax 8,712 (15) 10,979 (88) 10,979 (98) (88) 10,936 (352) 12,462 (98) 98 10,936 (352) 12,462 (98) 98 11 23 11,379 (13) (13) (13) (14) 11,579 (14) (14) (14) (14) (14) (14) (14) (14)	Income taxes		168		88		400		266
Net earnings 9,366 352 12,462 985 Less: Noncontrolling interests in subsidiaries 14 23 (13) 11 Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Earnings from continuing operations \$ 643 \$ 344 \$ 1,502 \$ 1,066 Discontinued operations 8,709 (15) 10,973 (88 Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Diluted avg. shares outstanding 574.0 574.8 578.1 574.1 Diluted earnings per share common stockholders \$ 1,12 \$ 0,60 \$ 2,60 \$ 1,86 Earnings from continuing operations \$ 15,16 (0,03) \$ 18,96 (0,18 Discontinued operations \$ 16,28 \$ 0,57 \$ 21,56 \$ 1,66 Diluted earnings per common share \$ 16,28 \$ 0,57 \$ 21,56 \$ 1,66 Diluted earnings per common share \$ 16,28 \$ 0,57 \$ 21,56 \$ 1,66 Other deductions, net \$ 120 \$ 264	Earnings from continuing operations		654		367		1,483		1,075
Less: Noncontrolling interests in subsidiaries 14 23 (13) 13 Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 977 Earnings from continuing operations \$ 643 \$ 344 \$ 1,502 \$ 1,060 Discontinued operations \$ 7,709 (15) \$ 10,973 (88 Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 977 Diluted avg. shares outstanding \$ 774.0 \$ 774.8 \$ 578.1 \$ 574.0 Diluted earnings per share common stockholders \$ 1.12 \$ 0.60 \$ 2.60 \$ 1.80 Earnings from continuing operations \$ 15.16 (0.03) \$ 18.60 \$ 1.80 Discontinued operations \$ 15.16 (0.03) \$ 18.60 \$ 1.80 Diluted earnings per share common share \$ 15.16 (0.03) \$ 18.60 \$ 1.80 Diluted earnings per common share \$ 16.28 \$ 0.57 \$ 21.56 \$ 1.60 Diluted earnings per common share \$ 16.28 \$ 0.57 \$ 21.50 \$ 1.60 Other deductions,	Discontinued operations, net of tax		8,712		(15)		10,979		(88)
Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Earnings common stockholders \$ 643 \$ 344 \$ 1,502 \$ 1,060 Discontinued operations \$ 8,709 (15) \$ 10,973 (88 Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Diluted avg. shares outstanding \$ 74.0 \$ 74.8 \$ 78.1 \$ 74.0 Diluted earnings per share common stockholders \$ 1.12 \$ 0.60 \$ 2.60 \$ 1.80 Discontinued operations \$ 15.16 (0.03) 18.96 (0.15 Discontinued operations \$ 15.16 (0.03) 18.96 (0.15 Diluted earnings per common share \$ 16.28 \$ 0.57 \$ 21.56 \$ 1.60 Diluted earnings per common share \$ 16.28 \$ 0.57 \$ 21.56 \$ 1.60 Other deductions, net \$ 2023 2024 2023 2024 Amortization of intangibles \$ 12 5.7 4.1 1.7 Other \$ 2.5 4 1.7 1.7	Net earnings		9,366		352		12,462		987
Earnings common stockholders Earnings from continuing operations \$ 643 \$ 344 \$ 1,502 \$ 1,067 Discontinued operations \$ 8,709 (15) 10,973 (88 Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Diluted earnings per share common stockholders \$ 574.0 \$ 574.8 \$ 578.1 \$ 574.0 Earnings from continuing operations \$ 1.12 \$ 0.60 \$ 2.60 \$ 1.8 Discontinued operations \$ 15.16 (0.03) \$ 18.96 (0.15 Diluted earnings per common share \$ 16.28 \$ 0.57 \$ 21.56 \$ 1.60 Diluted earnings per common share \$ 16.28 \$ 0.57 \$ 21.56 \$ 1.60 Other deductions, net Amortization of intangibles \$ 120 \$ 264 \$ 357 \$ 81* Amortization of intangibles \$ 12 57 41 18* Restructuring costs \$ 12 57 41 18* Other \$ 20 20 20 30 90	Less: Noncontrolling interests in subsidiaries		14		23		(13)		15
Earnings from continuing operations \$ 643 \$ 344 \$ 1,502 \$ 1,060 \$ 1,0973 \$ (86	Net earnings common stockholders	\$	9,352	\$	329	\$	12,475	\$	972
Discontinued operations 8,709 (15) 10,973 (88) Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Diluted avg. shares outstanding 574.0 574.8 578.1 574.0 Diluted earnings per share common stockholders Earnings from continuing operations \$ 1,12 \$ 0,60 \$ 2,60 \$ 1.86 Discontinued operations \$ 15,16 (0.03) 18,96 (0.18 Diluted earnings per common share \$ 16,28 \$ 0.57 \$ 21.56 \$ 1.68 Diluted earnings per common share \$ 16,28 \$ 0.57 \$ 21.56 \$ 1.68 Other deductions, net Amortization of intangibles \$ 120 \$ 264 \$ 357 \$ 81* Restructuring costs \$ 12 57 41 17* Other (2) (27) (39) 94* Total \$ 130 \$ 294 \$ 359 \$ 1,075	Earnings common stockholders								
Net earnings common stockholders \$ 9,352 \$ 329 \$ 12,475 \$ 972 Diluted avg. shares outstanding 574.0 574.8 578.1 574. Diluted earnings per share common stockholders Earnings from continuing operations \$1.12 \$0.60 \$2.60 \$1.80 Discontinued operations 15.16 (0.03) 18.96 (0.18 Diluted earnings per common share \$16.28 \$0.57 \$21.56 \$1.60 Diluted earnings per common share \$16.28 \$0.57 \$21.56 \$1.60 Other deductions, net 2023 2024 2023 2024 Amortization of intangibles \$120 \$264 \$357 \$81 Restructuring costs 12 57 41 17 Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075	Earnings from continuing operations	\$	643	\$	344	\$	1,502	\$	1,060
Diluted avg. shares outstanding 574.0 574.8 578.1 574.7 Diluted earnings per share common stockholders Earnings from continuing operations \$1.12 \$0.60 \$2.60 \$1.84 Discontinued operations 15.16 (0.03) 18.96 (0.16 Diluted earnings per common share \$16.28 \$0.57 \$21.56 \$1.60 Quarter Ended June 30, 2024 2023 2024 2023 2024 Other deductions, net Amortization of intangibles \$120 \$264 \$357 \$81* Restructuring costs 12 57 41 17* Other (2) (27) (39) 94* Total \$130 \$294 \$359 \$1,075*	Discontinued operations		8,709		(15)		10,973		(88)
Diluted earnings per share common stockholders Earnings from continuing operations \$1.12 \$0.60 \$2.60 \$1.80 Discontinued operations 15.16 (0.03) 18.96 (0.15 Diluted earnings per common share \$16.28 \$0.57 \$21.56 \$1.69 Quarter Ended June 30, Nine Months Ended June 30, \$2023 2024 2023 2024 Other deductions, net \$120 \$264 \$357 \$817 Restructuring costs \$12 \$7 41 17 Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075	Net earnings common stockholders	\$	9,352	\$	329	\$	12,475	\$	972
Earnings from continuing operations \$1.12 \$0.60 \$2.60 \$1.84 Discontinued operations 15.16 (0.03) 18.96 (0.15 Diluted earnings per common share \$16.28 \$0.57 \$21.56 \$1.65 Quarter Ended June June June June June June June June	Diluted avg. shares outstanding		574.0		574.8		578.1		574.1
Discontinued operations 15.16 (0.03) 18.96 (0.15)	Diluted earnings per share common stockholders								
Diluted earnings per common share \$16.28 \$0.57 \$21.56 \$1.68 Quarter Ended June 30, 2024 Nine Months Ended June 30, 30, 2024 Nine Months Ended June 30, 2024 \$2023 2024 2023 2024 Other deductions, net Amortization of intangibles Restructuring costs \$120 \$264 \$357 \$817 Restructuring costs 12 57 41 170 Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075	Earnings from continuing operations		\$1.12		\$0.60		\$2.60		\$1.84
Quarter Ended June June 30 Nine Months Ended June 30 2023 2024 2023 2024 Other deductions, net Amortization of intangibles Restructuring costs \$120 \$264 \$357 \$81° Restructuring costs 12 57 41 170° Other (2) (27) (39) 94° Total \$130 \$294 \$359 \$1,075°	Discontinued operations		15.16		(0.03)		18.96		(0.15)
June 30, 30, 2023 2024 2023 2024 Other deductions, net Amortization of intangibles \$120 \$264 \$357 \$81 Restructuring costs 12 57 41 17 Other (2) (27) (39) 9 Total \$130 \$294 \$359 \$1,075	Diluted earnings per common share		\$16.28		\$0.57		\$21.56		\$1.69
Other deductions, net 2023 2024 2023 2024 Amortization of intangibles \$120 \$264 \$357 \$817 Restructuring costs 12 57 41 170 Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075					led	Ν			ed June
Other deductions, net Amortization of intangibles \$120 \$264 \$357 \$817 Restructuring costs 12 57 41 170 Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075				e 30,	0004			υ,	0004
Amortization of intangibles \$120 \$264 \$357 \$81° Restructuring costs 12 57 41 17° Other (2) (27) (39) 94° Total \$130 \$294 \$359 \$1,075°			2023		2024		2023	_	2024
Restructuring costs 12 57 41 170 Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075	·		£400		COC 4				0044
Other (2) (27) (39) 94 Total \$130 \$294 \$359 \$1,075	<u> </u>								
Total \$130 \$294 \$359 \$1,075	•								
				_	<u>`_</u>		, ,	_	
1 Penragents interest on the Canaland note receivable through June 6, 2024	Total 1 Represents interest on the Copeland note receivable through June 6, 2024.	_	\$130	_	⊅ ∠94	_	 \$359	_	\$1,075

EMERSON AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS (DOLLARS IN MILLIONS, UNAUDITED)

	Sept 30, 2023		June 30, 2024	
Assets				
Cash and equivalents	\$	8,051	\$	2,298
Receivables, net		2,518		2,761
Inventories		2,006		2,303
Other current assets		1,244		1,458
Total current assets		13,819		8,820
Property, plant & equipment, net		2,363		2,688
Goodwill		14,480		17,936
Other intangible assets		6,263		10,627
Copeland note receivable and equity investment held-for-sale		3,255		2,908
Other		2,566		2,606
Total assets	\$	42,746	\$	45,585
Liabilities and equity				
Short-term borrowings and current maturities of long-term debt	\$	547	\$	2,991
Accounts payable		1,275		1,251
Accrued expenses		3,210		3,350
Total current liabilities		5,032		7,592
Long-term debt		7,610		7,111
Other liabilities		3,506		4,194
Equity				
Common stockholders' equity		20,689		20,799
Noncontrolling interests in subsidiaries		5,909		5,889
Total equity		26,598		26,688
Total liabilities and equity	\$	42,746	\$	45,585

EMERSON AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (DOLLARS IN MILLIONS, UNAUDITED)

	Nine Months Ended June 30,			e 30,	
	2023		2024		
Operating activities					
Net earnings	\$	12,462	\$	987	
Earnings from discontinued operations, net of tax		(10,979)		88	
Adjustments to reconcile net earnings to net cash provided by operating activities:					
Depreciation and amortization		780		1,263	
Stock compensation		198		203	
Amortization of acquisition-related inventory step-up		_		231	
Gain on subordinated interest		_		(79)	
Loss on Copeland note receivable		_		279	
Changes in operating working capital		(359)		(176)	
Other, net		(383)		(552)	
Cash from continuing operations		1,719		2,244	
Cash from discontinued operations		(439)		4	
Cash provided by operating activities		1,280		2,248	
Investing activities					
Capital expenditures		(194)		(251)	
Purchases of businesses, net of cash and equivalents acquired		_		(8,342)	
Proceeds from subordinated interest		15		79	
Proceeds from related party note receivable		918		_	
Other, net		(124)		(86)	
Cash from continuing operations		615		(8,600)	
Cash from discontinued operations		12,485		36	
Cash provided by (used in) investing activities		13,100		(8,564)	
Financing activities					
Net increase (decrease) in short-term borrowings		(1,476)		2,229	
Proceeds from short-term borrowings greater than three months		395		322	
Payments of short-term borrowings greater than three months		(400)		(100)	
Payments of long-term debt		(744)		(547)	
Dividends paid		(900)		(901)	
Purchases of common stock		(2,000)		(175)	
AspenTech purchases of common stock		(100)		(188)	
Payment of related party note payable		(918)		_	
Other, net		(159)		(57)	
Cash provided by (used in) financing activities		(6,302)		583	
Effect of exchange rate changes on cash and equivalents		75		(20)	
Increase (decrease) in cash and equivalents		8,153	·	(5,753)	
Beginning cash and equivalents		1,804		8,051	
Ending cash and equivalents	\$	9,957	\$	2,298	

EMERSON AND SUBSIDIARIES SEGMENT SALES AND EARNINGS (DOLLARS IN MILLIONS, UNAUDITED)

The following tables show results for the Company's segments on an adjusted segment EBITA basis and are intended to supplement the Company's results of operations, including its segment earnings which are defined as earnings before interest and taxes. The Company defines adjusted segment and total segment EBITA as segment earnings excluding intangibles amortization expense, and restructuring and related expense. Adjusted segment and total segment EBITA, and adjusted segment and total segment EBITA margin are measures used by management and may be useful for investors to evaluate the Company's segments' operational performance.

	Quarter Ended June 30,					
	 2023		2024	Reported	Underlying	
Sales	 	-	<u> </u>			
Final Control	\$ 1,035	\$	1,046	1 %	2 %	
Measurement & Analytical	913		982	8 %	9 %	
Discrete Automation	668		618	(8)%	(6)%	
Safety & Productivity	363		351	(3)%	(3)%	
Intelligent Devices	\$ 2,979	\$	2,997	1 %	2 %	
Control Systems & Software	663		700	6 %	7 %	
Test & Measurement	_		355			
AspenTech	320		343	7 %	7 %	
Software and Control	\$ 983	\$	1,398	42 %	7 %	
Eliminations	(16)		(15)			
Total	\$ 3,946	\$	4,380	11 %	3 %	

	Quarter Ended June 30,
Americas	3 %
Europe	4 %
Asia, Middle East & Africa	2 %

Table 4 cont.

Nine	Months	Ended	June 30

	 2023	2024		Reported	Underlying	
Sales						
Final Control	\$ 2,889	\$	3,037	5 %	6 %	
Measurement & Analytical	2,550		2,942	15 %	17 %	
Discrete Automation	1,969		1,863	(5)%	(5)%	
Safety & Productivity	1,034		1,038	— %	— %	
Intelligent Devices	\$ 8,442	\$	8,880	5 %	6 %	
Control Systems & Software	1,892		2,062	9 %	10 %	
Test & Measurement	_		1,104			
AspenTech	793		878	11 %	11 %	
Software and Control	\$ 2,685	\$	4,044	51 %	10 %	
Eliminations	(52)		(51)			
Total	\$ 11,075	\$	12,873	16 %	7 %	

Sales Growth by Geography

Nine	Months	Ended	June

	30,
Americas	5 %
Europe	9 %
Asia, Middle East & Africa	9 %

Table 4 cont.

		Quarter End	ded June (30,		Quarter Ended June 30,				
	2023				20)24	_			
		Reported (GAAP)		sted EBITA on-GAAP)		Reported (GAAP)		sted EBITA n-GAAP)		
Earnings										
Final Control	\$	245	\$	266	\$	253	\$	279		
Margins		23.7 %		25.7 %		24.2 %		26.8 %		
Measurement & Analytical		257		263		252		266		
Margins		28.1 %		28.7 %		25.6 %		27.0 %		
Discrete Automation		124		144		109		134		
Margins		18.5 %		21.4 %		17.6 %		21.5 %		
Safety & Productivity		82		88		79		86		
Margins		22.7 %		24.3 %		22.5 %		24.7 %		
Intelligent Devices	\$	708	\$	761	\$	693	\$	765		
Margins		23.7 %		25.5 %		23.1 %		25.5 %		
Control Systems & Software		144		151		168		178		
Margins		21.8 %		22.8 %		23.9 %		25.2 %		
Test & Measurement		_		_		(88)		76		
Margins						(24.7)%		21.4 %		
AspenTech		27		148		· 49		170		
Margins		8.2 %		46.1 %		14.5 %		50.0 %		
Software and Control	\$	171	\$	299	\$	129	\$	424		
Margins	Ť	17.4 %	•	30.4 %	•	9.2 %	•	30.3 %		
Corporate items and interest expense, net:										
Stock compensation		(56)		(56)		(56)		(47)		
Unallocated pension and postretirement costs		42		42		38		38		
Corporate and other		(43)		(19)		(38)		(24)		
Gain on subordinated interest		`		` <u> </u>		` <u> </u>		`_		
Loss on Copeland note receivable		_		_		(279)		_		
Interest expense, net		(10)		_		`(56)		_		
Interest income from related party ¹		10		_		24		_		
Pretax Earnings / Adjusted EBITA	\$	822	\$	1,027	\$	455	\$	1,156		
Margins	Ť	20.8 %	•	26.0 %	•	10.4 %	•	26.4 %		
Supplemental Total Segment Earnings:										
Adjusted Total Segment EBITA			\$	1,060			\$	1,189		
Margins				26.9 %				27.1 %		

¹ Represents interest on the Copeland note receivable through June 6, 2024.

Table 4 cont.

		Quarter Ended June 30, 2023					Quarter Ended June 30,						
							2024						
		ization of ngibles ¹	á	ructuring and ed Costs ²		zization of ngibles ¹		Restructuring and telated Costs ²					
Final Control	\$	22	\$	(1)	\$	21	\$	5					
Measurement & Analytical		5		1		11		3					
Discrete Automation		8		12		9		16					
Safety & Productivity		7		(1)		6		1					
Intelligent Devices	\$	42	\$	11	\$	47	\$	25					
Control Systems & Software		6		1		6		4					
Test & Measurement		_		_		139		25					
AspenTech		121		_		121		_					
Software and Control	\$	127	\$	1	\$	266	\$	29					
Corporate		_		1		_		6 ³					
Total	\$	169	\$	13	\$	313	\$	60					

¹ Amortization of intangibles includes \$49 and \$49 reported in cost of sales for the three months ended June 30, 2023 and 2024, respectively.

³ Corporate restructuring of \$6 for the three months ended June 30, 2024 includes \$5 related to integration-related stock compensation expense attributable to NI.

		Quarter En	ded June 30	,
Depreciation and Amortization	20	023	2	024
Final Control	\$	39	\$	41
Measurement & Analytical		26		32
Discrete Automation		20		22
Safety & Productivity		15		14
Intelligent Devices		100		109
Control Systems & Software		22		26
Test & Measurement		_		150
AspenTech		123		122
Software and Control		145		298
Corporate		12		10
Total	\$	257	\$	417

² Restructuring and related costs includes \$1 and \$3 reported in cost of sales and selling, general and administrative expenses for the three months ended June 30, 2023 and 2024, respectively.

EMERSON AND SUBSIDIARIES ADJUSTED CORPORATE AND OTHER SUPPLEMENTAL (DOLLARS IN MILLIONS, UNAUDITED)

Quarter Ended June 30,

The following table shows the Company's stock compensation and corporate and other expenses on an adjusted basis. The Company's definition of adjusted stock compensation excludes integration-related stock compensation expense. The Company's definition of adjusted corporate and other excludes corporate restructuring and related costs, first year purchase accounting related items and transaction fees, and certain gains, losses or impairments. This metric is useful for reconciling from total adjusted segment EBITA to the Company's consolidated adjusted EBITA.

	20)23	20	024
Stock compensation (GAAP)	\$	(56)	\$	(56)
Integration-related stock compensation expense		_		91
Adjusted stock compensation (non-GAAP)	\$	(56)	\$	(47)
		Quarter Er	ded June 30,	
		2023		2024
Corporate and other (GAAP)	\$	(43)	\$	(38)
Corporate restructuring and related costs		1		1
Acquisition / divestiture costs		38		13
National Instruments investment gain		(12)		_
AspenTech Micromine purchase price hedge		(3)		_
Adjusted corporate and other (non-GAAP)	\$	(19)	\$	(24)

¹ Integration-related stock compensation expense relates to NI and includes \$5 reported as restructuring costs.

Quarter Ended June 30,

EMERSON AND SUBSIDIARIES ADJUSTED EBITA & EPS SUPPLEMENTAL (AMOUNTS IN MILLIONS EXCEPT PER SHARE, UNAUDITED)

The following tables, which show results on an adjusted EBITA basis and diluted earnings per share on an adjusted basis, are intended to supplement the Company's discussion of its results of operations herein. The Company defines adjusted EBITA as earnings excluding interest expense, net, income taxes, intangibles amortization expense, restructuring expense, first year purchase accounting related items and transaction fees, and certain gains, losses or impairments. Adjusted earnings per share excludes intangibles amortization expense, restructuring expense, first year purchase accounting related items and transaction-related costs, and certain gains, losses or impairments. Adjusted EBITA, adjusted EBITA margin, and adjusted earnings per share are measures used by management and may be useful for investors to evaluate the Company's operational performance.

	-	2023		2024
Pretax earnings	\$	822	\$	455
Percent of sales		20.8 %		10.4 %
Interest expense, net		10		56
Interest income from related party ¹		(10)		(24)
Amortization of intangibles		169		313
Restructuring and related costs		13		60
Acquisition/divestiture fees and related costs		38		17
National Instruments investment gain		(12)		_
AspenTech Micromine purchase price hedge		(3)		
Loss on Copeland note receivable				279
Adjusted EBITA	\$	1,027	\$	1,156
Percent of sales		26.0 %		26.4 %
		Quarter End	ded June 3	0,
		2023		2024
GAAP earnings from continuing operations per share	\$	1.12	\$	0.60
Amortization of intangibles		0.15		0.35
Restructuring and related costs		0.02		0.08
Acquisition/divestiture fees and related costs		0.07		0.02
National Instruments investment gain		(0.02)		_
Interest income on undeployed proceeds from Copeland transaction		(0.05)		_
Loss on Copeland note receivable		_		0.38
Adjusted earnings from continuing operations per share	\$	1.29	\$	1.43
Less: AspenTech contribution to adjusted earnings per share		(0.11)		(0.14)
Adjusted earnings per share excluding AspenTech contribution	\$	1.18	\$	1.29

¹ Represents interest on the Copeland note receivable through June 6, 2024.

Quarter Ended June 30, 2024

		 gaartor Eriaoa	ound	00, 202 1				
	Pretax arnings	Income Taxes	Ea	rnings from Cont. Ops.	Controlling erests ³	(Net Earnings Common ockholders	Diluted Earnings Per Share
As reported (GAAP)	\$ 455	\$ 88	\$	367	\$ 23	\$	344	\$ 0.60
Amortization of intangibles	313 1	74		239	40		199	0.35
Restructuring and related costs	60 2	14		46	_		46	0.08
Acquisition/divestiture fees and related costs	17	2		15	_		15	0.02
Loss on Copeland note receivable	279	62		217	_		217	0.38
Adjusted (non-GAAP)	\$ 1,124	\$ 240	\$	884	\$ 63	\$	821	\$ 1.43
Interest expense, net	56							
Interest income from related party ⁴	(24)							
Adjusted EBITA (non-GAAP)	\$ 1,156							

¹ Amortization of intangibles includes \$49 reported in cost of sales. ² Restructuring and related costs includes \$3 reported in cost of sales and selling, general and administrative expenses.

³ Represents the non-controlling interest in AspenTech applied to AspenTech's share of each adjustment presented herein and eliminated from Emerson's consolidated results.

⁴ Represents interest on the Copeland note receivable through June 6, 2024.

EMERSON AND SUBSIDIARIES ASPENTECH CONTRIBUTION TO EMERSON RESULTS SUPPLEMENTAL (AMOUNTS IN MILLIONS EXCEPT PER SHARE, UNAUDITED)

The following tables reconcile the financial results of AspenTech reported to its shareholders with the amounts included in Emerson's consolidated financial results. Emerson currently owns approximately 57 percent of the common shares outstanding of AspenTech, a separately traded public company (NASDAQ: AZPN), and consolidates AspenTech in its financial results. The 43 percent non-controlling interest in AspenTech is removed from Emerson's net earnings common stockholders through the non-controlling interest line item. AspenTech is also one of Emerson's segments and its GAAP segment earnings is reconciled below to its consolidated impact to clarify that certain items are reported outside of its segment earnings within Emerson corporate, including interest income and stock compensation.

Quarter Ended June 30, 2024

	Pretax arnings	ı	ncome Taxes Benefit)	Ear	nings from Cont. Ops.	controlling erests ⁴	С	Net arnings ommon ckholders	Diluted Earnings Per Share
Standalone reporting (GAAP)	\$ 53 1	\$	8	\$	45	,			
Other	 (1)		(5)		4				
Reported in Emerson consolidation (GAAP)	52		3		49	21		28	\$ 0.05
Adjustments:									
Amortization of intangibles	121 2		27		94	40		54	0.09
Adjusted (Non-GAAP)	\$ 173	\$	30	\$	143	\$ 61	\$	82	\$ 0.14
Interest income	(14) 3								
Stock compensation	11 3								
Adjusted segment EBITA (non-GAAP)	\$ 170								
Reconciliation to Segment EBIT									
Pre-tax earnings	\$ 52								
Interest income	(14) 3								
Stock compensation	11 3								
Segment EBIT (GAAP)	\$ 49								
Amortization of intangibles	121 2								
Adjusted segment EBITA (non-GAAP)	\$ 170								

¹ Amount reflects AspenTech's pretax earnings for the three months ended June 30, 2024 as reported in its quarterly earnings release 8-K.

² Amortization of intangibles includes \$48 reported in cost of sales.

 $^{^{\}rm 3}\,\mbox{Reported}$ in Emerson corporate line items.

⁴ Represents the non-controlling interest in AspenTech applied to each adjustment presented herein and eliminated from Emerson's consolidated results.

Reconciliations of Non-GAAP measures with the most directly comparable GAAP measure (dollars in millions, except per share amounts). See tables 4 through 7 for additional non-GAAP reconciliations.

2024 Q3 Underlying Sales Change	Reported	(Favorable) / Unfavorable FX	(Acquisitions) / Divestitures	Underlying
Final Control	1 %	1 %	— %	2 %
Measurement & Analytical	8 %	1 %	— %	9 %
Discrete Automation	(8)%	2 %	— %	(6)%
Safety & Productivity	(3)%	— %	— %	(3)%
Intelligent Devices	1 %	1 %	- %	2 %
Control Systems & Software	6 %	1 %	- %	7 %
Test & Measurement				
AspenTech	7 %	— %	— %	7 %
Software and Control	42 %	1 %	(36)%	7 %
Emerson	11 %	1 %	(9)%	3 %

Nine Months Ended June 30, 2024 Underlying Sales Change	Reported	(Favorable) / Unfavorable FX	(Acquisitions) / Divestitures	Underlying
Final Control	5 %	1 %	- %	6 %
Measurement & Analytical	15 %	1 %	1 %	17 %
Discrete Automation	(5)%	— %	— %	(5)%
Safety & Productivity	— %	— %	— %	— %
Intelligent Devices	5 %	1 %	- %	6 %
Control Systems & Software	9 %	— %	1 %	10 %
Test & Measurement				
AspenTech	11 %	— %	— %	11 %
Software and Control	51 %	- %	(41)%	10 %
Emerson	16 %	1 %	(10)%	7 %

Underlying Growth Guidance	2024 Guidance
Reported (GAAP)	~15%
(Favorable) / Unfavorable FX	~0.5 pts
(Acquisitions) / Divestitures	~(9.5) pts
Underlying (non-GAAP)	~6%

2023 Q3 Adjusted Segment EBITA	EBIT	EBIT Margin	Amortization of Intangibles	Restructuring and Related Costs	Adjusted Segment EBITA	Adjusted Segment EBITA Margin
Final Control	\$ 245	23.7 % \$	22	\$ (1)	\$ 266	25.7 %
Measurement & Analytical	257	28.1 %	5	1	263	28.7 %
Discrete Automation	124	18.5 %	8	12	144	21.4 %
Safety & Productivity	82	22.7 %	7	(1)	88	24.3 %
Intelligent Devices	\$ 708	23.7 % \$	42	\$ 11	\$ 761	25.5 %
Control Systems & Software	144	21.8 %	6	1	151	22.8 %
Test & Measurement	_	— %	_	_	_	— %
AspenTech	27	8.2 %	121	_	148	46.1 %
Software and Control	\$ 171	17.4 % \$	127	\$ 1	\$ 299	30.4 %

2024 Q3 Adjusted Segment EBITA	EBIT	EBIT Margin	Amortization of Intangibles	Restructuring and Related Costs	Adjusted Segment EBITA	Adjusted Segment EBITA Margin
Final Control	\$ 253	24.2 % \$	21	\$ 5	\$ 279	26.8 %
Measurement & Analytical	252	25.6 %	11	3	266	27.0 %
Discrete Automation	109	17.6 %	9	16	134	21.5 %
Safety & Productivity	79	22.5 %	6	1	86	24.7 %
Intelligent Devices	\$ 693	23.1 % \$	47	\$ 25	\$ 765	25.5 %
Control Systems & Software	168	23.9 %	6	4	178	25.2 %
Test & Measurement	(88)	(24.7)%	139	25	76	21.4 %
AspenTech	49	14.5 %	121	_	170	50.0 %
Software and Control	\$ 129	9.2 % \$	266	\$ 29	\$ 424	30.3 %

Total Adjusted Segment EBITA	2	2023 Q3	
Pretax earnings (GAAP)	\$	822 \$	455
Margin		20.8 %	10.4 %
Corporate items and interest expense, net		57	367
Amortization of intangibles		169	313
Restructuring and related costs		12	54
Adjusted segment EBITA (non-GAAP)	\$	1,060 \$	1,189
Margin		26.9 %	27.1 %

Free Cash Flow	2023 Q3 2024 Q3			2024E (\$ in billions)	
Operating cash flow (GAAP)	\$	842 \$	1,067	~\$3.2	
Capital expenditures		(73)	(92)	~(0.4)	
Free cash flow (non-GAAP)	\$	769 \$	975	~\$2.8	

Note 1: Underlying sales and orders exclude the impact of currency translation and significant acquisitions and divestitures.

Note 2: All fiscal year 2024E figures are approximate, except where range is given.