

Results for 2Q FY03/2023 (Summary)



(JPY B)

[Statement of Income] Net sales: JPY 153.0 B (YoY: 11.8%)
Operating income: JPY 0.4 B (YoY: -87.8%)

 Sales increased due to the yen's depreciation despite the impact of automakers' production cutbacks in response to the semiconductor shortage and Shanghai lockdown.

 Profit declined due to hikes in raw material costs which could not be offset by efforts to improve sales.

[Balance Sheet]

- Inventories increased due to the impact of the weaker yen on the foreign exchange despite ongoing efforts to reduce inventory through order adjustments, etc.
- Equity ratio was up due to an increase in foreign currency translation adjustments resulting from the yen's depreciation.

[Cash Flow Statement]

Free cash flows improved due to improved working capital.

Consolidated	2Q FY03/2022	2Q FY03/2023	Change
Net sales	136.9	153.0	16.1
Operating income	3.4	0.4	-3.0
Ordinary income	3.4	1.9	-1.5
Profit	0.3	(0.9)	-1.2

Consolidated	Mar. 31, 2022	Sept. 30, 2022	Change
Cash and deposits	74.5	77.7	3.2
Inventories	62.9	65.9	2.9
Interest-bearing debt	179.6	179.6	0.0
Net assets	88.2	100.8	12.6
Total assets	342.7	360.5	17.8
Equity ratio	19.8%	22.0%	2.2%
Net D/E ratio	1.5	1.3	-0.3

Consolidated	2Q FY03/2022	2Q FY03/2023	Change
CF from operating activities	3.4	7.5	4.0
Depreciation	8.2	8.4	0.2
CF from investing activities	(2.8)	(4.1)	-1.3
Capital expenditures	(4.7)	(4.0)	0.6
FCF	0.5	3.3	2.7

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Sales increased due to the yen's depreciation despite the impact of drastic production cutbacks by automakers during the Shanghai lockdown. Profit declined due to hikes in raw material costs which could not be offset by efforts to improve prices.

(JPY B)

	2Q FY03/2022	2Q FY03/2023	Change	Percentage change
Net sales	136.9	153.0	16.1	11.8%
Operating income	3.4	0.4	-3.0	-87.8%
Operating margin	2.5%	0.3%	-	-2.2pts
Ordinary income	3.4	1.9	-1.5	-43.3%
Profit before tax	3.6	1.8	-1.8	-49.6%
Profit(*)	0.3	(0.9)	-1.2	-

^(*) Net profit attributable to owners of parent

Average Exchange Rates for Apr-Sept (JPY)

Currency	FY03/2022	FY03/2023
USD	109.81	134.04
EUR	130.91	138.82
CNY	16.99	19.88

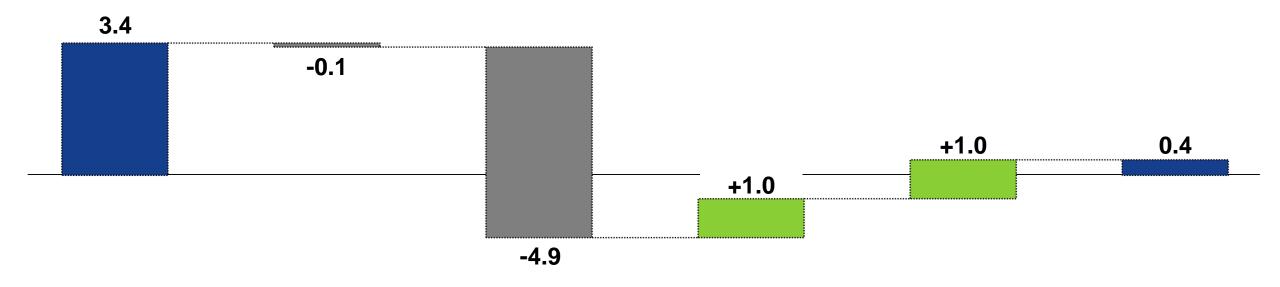
Breakdown of non-	■ Non-operating income: 3.0			
operating income and expenses	■ Non-operating expenses: (1.5)			
	■ Extraordinary income/loss: (0.1)			
Breakdown of	■ Corporation tax: (1.9)			
ordinary income	■ Net profit (loss) attributable to non-controlling interests: (0.8)			

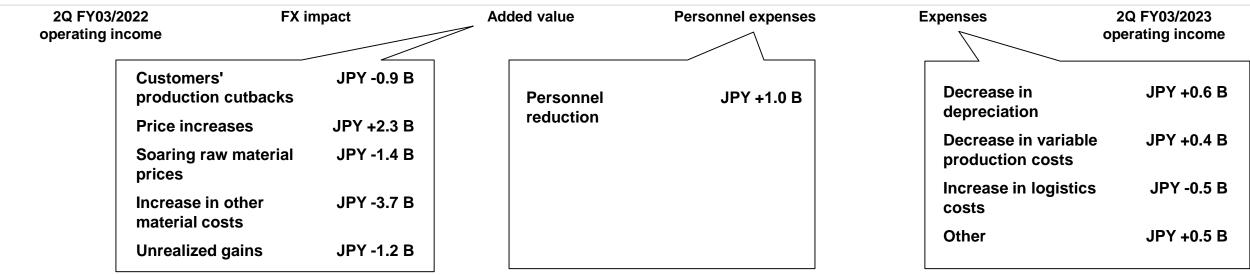
I. Results for 2Q FY03/2023 (Factors behind Changes in Operating Income)











I. Results for 2Q FY03/2023 (by Segment)

		2Q FY03/2022		2Q FY03/2023			Change in	Percentage change in
	Net sales	Operating income (B)	Operating margin	Net sales	Operating income (A)	Operating margin	operating income (A-B)	operating income (A/B)
Transportation equipment-related operations	127.1	2.6	2.1%	143.5	(0.4)	-0.3%	-3.0	-
Information service operations	6.9	0.5	7.5%	6.8	0.5	8.6%	0.0	13.6%
Other	2.8	0.3	10.8%	2.5	0.2	9.0%	-0.0	-25.6%
Adjustments	-	0.0	-	-	0.0	-	0.0	-
Total	136.9	3.4	2.5%	153.0	0.4	0.3%	-3.0	-87.8%

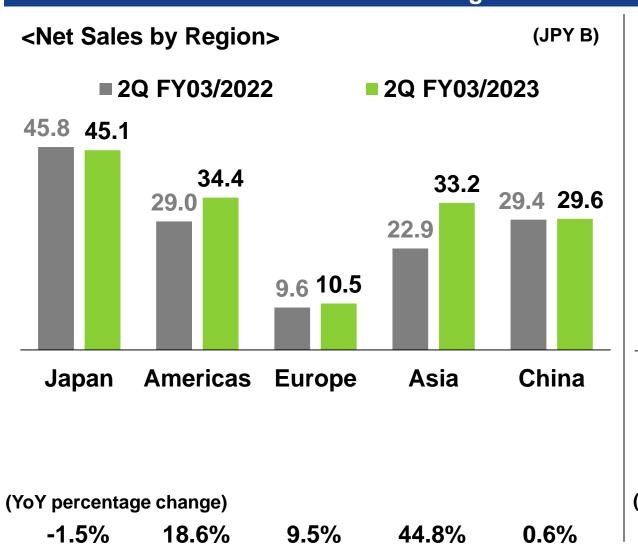
Transportation equipment-related operations	 Sales increased due to the yen's depreciation, but profit declined mainly due to hikes in raw material costs which could not be offset by efforts to improve prices.
Information service operations	 Both sales and profit were on a par with 2Q FY03/2022 thanks to steady software development and system sales in the public works and social/industrial segments.
Other	 Both sales and profit declined mainly due to a shortage and stockout of aftermarket motorcycle parts.

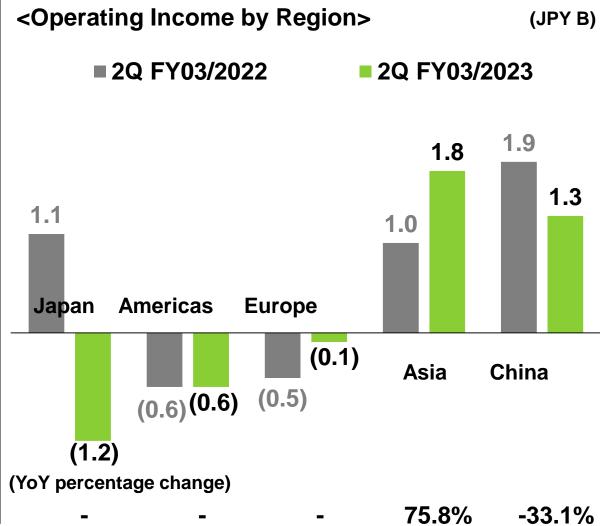
I. Results for 2Q FY03/2023 (by Region)



Profit declined in Japan mainly due to hikes in raw material costs which could not be offset by efforts to improve prices.

Profit declined in China due to the Shanghai lockdown.





	2Q FY03/2022		2Q FY03/20	23	Cumulativa	Cumulative
	Cumulative sales	Percentage of total sales	Cumulative sales Percentage of total sales		Cumulative change	percentage change
Honda	55.4	42.5%	60.6	40.5%	+5.3	+9.4%
Automobile	34.5	26.5%	31.0	20.7%	-3.5	-10.1%
Motorcycle	20.8	16.0%	29.6	19.8%	+8.8	+42.3%
RNM	9.5	7.3%	10.4	7.0%	+0.9	+9.5%
SUBARU	6.1	4.7%	4.4	2.9%	-1.7	-27.9%
Suzuki	3.2	2.4%	4.2	2.8%	+1.0	+31.3%
Mazda	2.3	1.8%	2.9	1.9%	+0.6	+26.1%
VW Group	2.2	1.7%	3.5	2.3%	+1.3	+59.1%
Toyota Group	1.8	1.3%	1.3	0.9%	-0.5	-27.8%
Tier 1	37.4	28.7%	42.0	28.0%	+4.6	+12.3%
Other	12.5	9.6%	20.5	13.7%	+8.0	+64.0%
total	130.3		149.8		+19.5	+15.0%

^{*}RNM: Renault, Nissan, and Mitsubishi Motors

^{*}Sales figures by customer are used internally for transportation equipment-related operations and do not match the consolidated segment figures.

I. Results for 2Q FY03/2023 (by Business)

	2Q FY0	3/2022	2Q FY0	Cumulative	Cumulative	
	Cumulative sales	Percentage of total sales	Cumulative sales	Percentage of total sales	change	percentage change
Automobile	83.3	63.9%	93.1	62.1%	+9.8	+11.8%
Field-of-vision systems	42.7	32.8%	47.9	31.9%	+5.2	+12.2%
Convenience and comfort systems	40.6	31.1%	45.2	30.2%	+4.6	+11.3%
Motorcycle	28.7	22.0%	38.7	25.8%	+10.0	+34.8%
Electrification solutions	18.4	14.1%	18.1	12.1%	-0.3	-1.6%
total	130.3		149.8		+19.5	+15.0%

^{*}Sales figures by business are used internally for transportation equipment-related operations and do not match the consolidated segment figures.

I. Results for 2Q FY03/2023 (Consolidated Balance Sheet)



(JPY B)

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		March 31, 2022	Sept. 30, 2022	Change			March 31, 2022	Sept. 30, 2022	Change
	Cash and deposits	74.5	77.7	3.2	Trade	payables	25.3	28.7	3.3
	Accounts receivable	50.9	59.9	8.9	Other		49.5	51.3	1.8
	Inventories	62.9	65.9	2.9	Interes debt(*)	t-bearing	179.6	179.6	0.0
	Other	18.3	18.6	0.3	Liabilities		254.5	259.7	5.1
Curre	nt assets	206.7	222.1	15.4	Shareholders' equity		65.0	63.0	-1.9
	Property, plant and equipment	99.3	100.7	1.3	Accum compre income	ehensive	2.9	16.3	13.3
	Intangible assets	3.4	4.0	0.6	Total share equity	holders'	68.0	79.4	11.4
	Other	33.2	33.5	0.3	Non-contro	olling interests	20.1	21.4	1.2
Non-c	urrent assets	136.0	138.3	2.3	Total net assets		88.2	100.8	12.6
Total	assets	342.7	360.5	17.8	Total liabilities and net assets		342.7	360.5	17.8

Month-end Exchange Rates

JPY

Currency	March 31, 2022	Sept. 30, 2022
USD	122.42	144.81
EUR	136.74	142.39
CNY	19.22	20.34

(*) Borrowings + Bonds payable (excluding leases)

Indicators	March 31, 2022	Sept. 30, 2022
Equity ratio	19.8%	22.0%
Net D/E ratio	1.5	1.3

I. Results for 2Q FY03/2023 (Consolidated Cash Flow)



		2Q FY03/2022	2Q FY03/2023	Change
operating activities CF from investing	Net profit before income taxes	3.6	1.8	-1.8
	Depreciation	8.2	8.4	0.2
	Decrease (increase) in trade receivables	9.3	(2.1)	-11.5
	Decrease (increase) in inventories	(10.0)	3.0	13.1
	Increase (decrease) in trade payables	(4.3)	(2.5)	1.7
	Other	(3.3)	(1.0)	2.3
	Total	3.4	7.5	4.0
CF from	Purchase of non-current assets	(4.7)	(4.0)	0.6
	Other	1.8	(0.1)	-1.9
dottvitics	Total	(2.8)	(4.1)	-1.3
Free cash f	low	0.5	3.3	2.7
CF from	Increase (decrease) in short-term borrowings	(2.3)	(2.3)	-0.0
financing activities	Other	(1.7)	(1.8)	-0.1
	Total	(4.0)	(4.2)	-0.1
Foreign cu	rrency translation adjustment	0.5	4.1	3.5
Net increas	se (decrease) in cash and cash equivalents	(2.9)	3.2	6.2

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II. Difference between Forecast and Actual Results for 1H FY03/2023



Both net sales and operating income fell short of the forecast due to the impact of the Shanghai lockdown despite the positive effect of the weaker yen on sales. On the other hand, profit was on a par with the 1H forecast due to an increase in income taxes despite the positive effect of foreign exchange gains on ordinary income.

(JPY B)

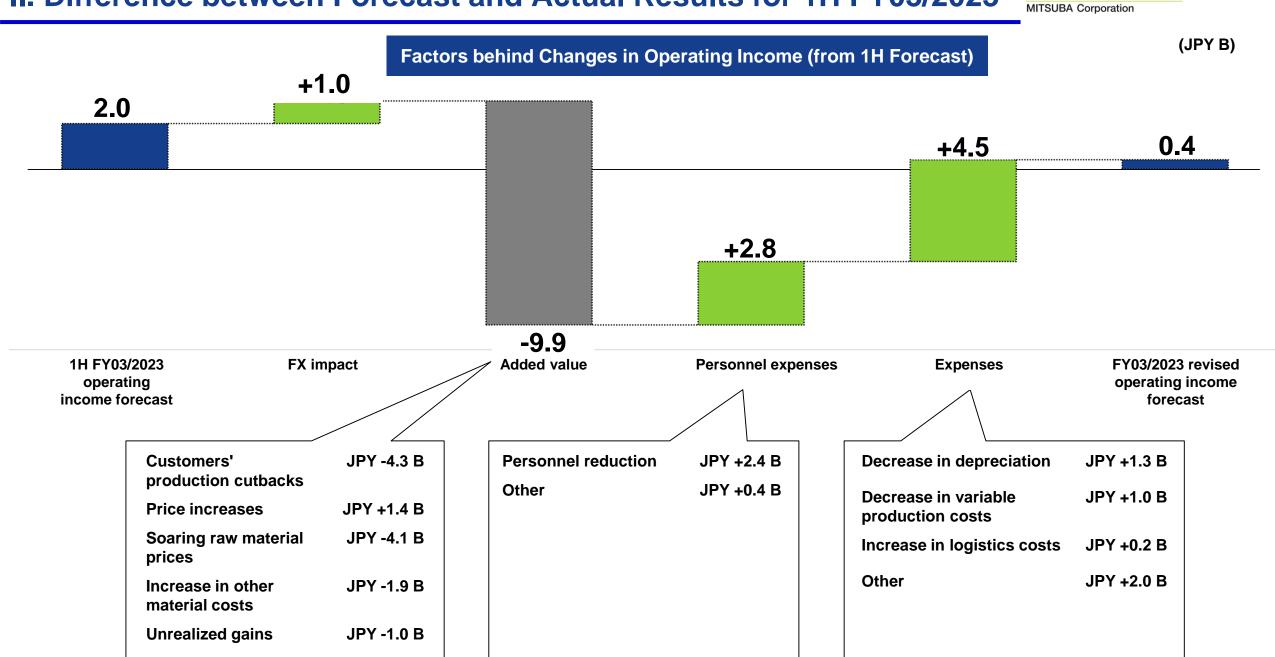
	1H forecast	2Q FY03/2023	Change	Percentage change
Net sales	155.0	153.0	-1.9	-1.3%
Operating income	2.0	0.4	-1.5	-78.7%
Operating margin	1.3%	0.3%	-	-1.0 pt
Ordinary income	1.2	1.9	0.7	64.8%
Profit(*)	(1.0)	(0.9)	0.0	-

^(*) Net profit attributable to owners of parent

Exchange rates

(JPY)

Currency	Forecast	FY03/2023
USD	120.00	134.04
EUR	135.00	138.82
CNY	18.00	19.88



- I. Results for 2Q FY03/2023
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III. Revised Full-year Forecast for FY03/2023

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The downward revision was made due to the decrease in sales and profit in the first half of the fiscal year, as well as the trend of automobile manufacturers' production cutbacks due to semiconductor supply shortages, rising material costs, and high distribution costs, which are expected to continue after October.

(JPY B)

	Initial forecast	Revised forecast	Change	Percentage change
Net sales	330.0	320.0	-10.0	-3.0%
Operating income	11.0	10.0	-1.0	-9.1%
Operating margin	3.3%	3.1%	~	-0.2pts
Ordinary income	9.6	10.0	0.4	4.2%
Profit(*)	4.0	3.0	-1.0	-25.0%

(*) Net profit attributable to owners of parent

Evchange Pates

Excitating Rat	(3F1)	
Currency	Revised forecast	
USD	120.00	
EUR	135.00	No change
CNY	18.00	

Currency	Foreign exchange sensitivity				
	Sales Operating incom				
USD	0.5	0.1			
EUR	0.15	0.05			
CNY	3.3	1.1			

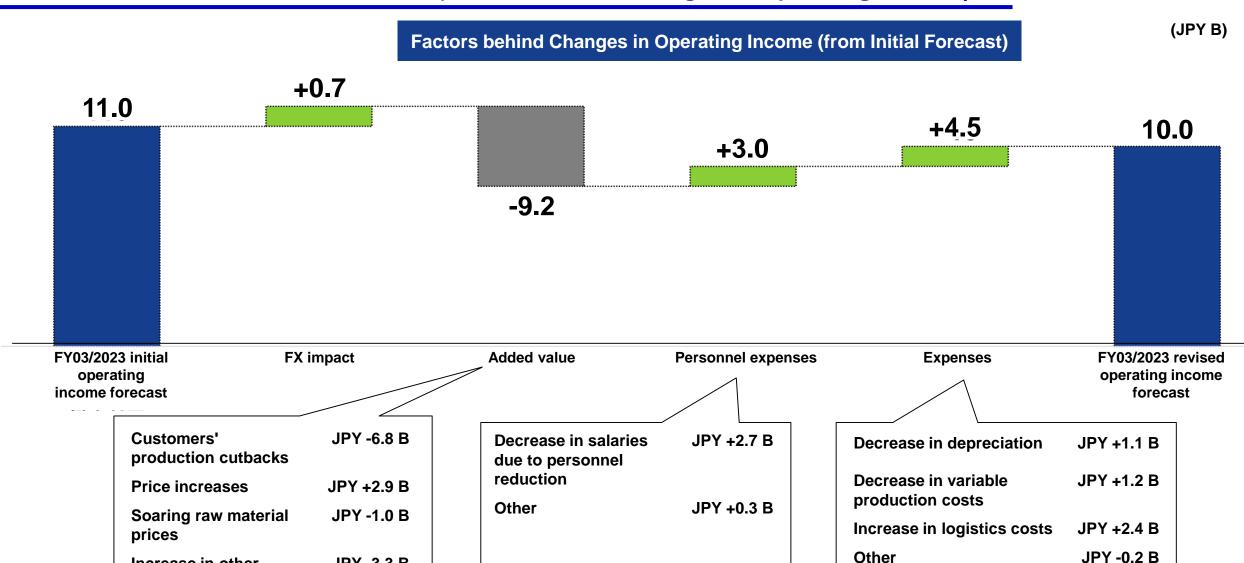
Increase in other

Unrealized gains

material costs

JPY -3.3 B

JPY -1.0 B



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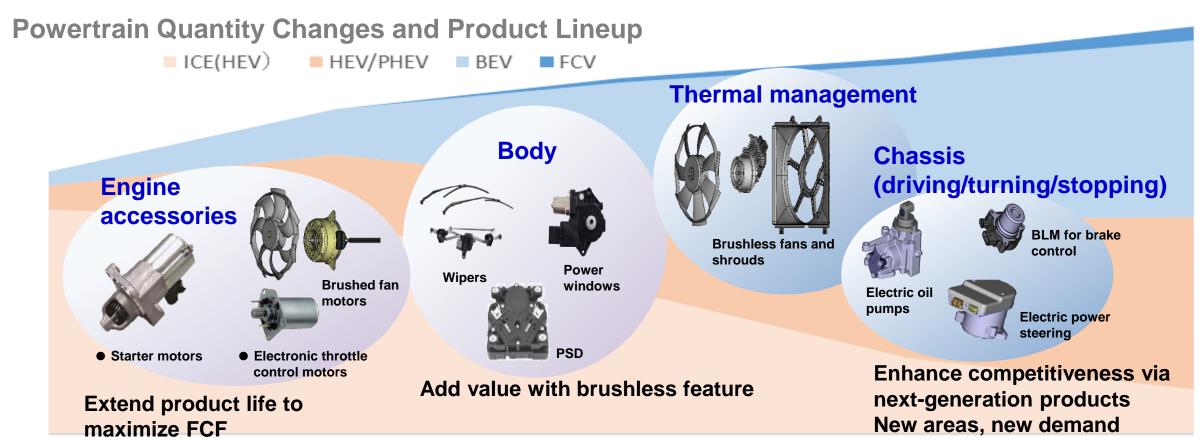
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Automotive Products

✓ Seeing rapid electrification as an opportunity, we will shift our products to those geared toward EVs to expand operations.



2020 2035 2040

Level2,3 Level4

Automotive Products: Changes in Portfolio

✓ We will shift to products for thermal management and chassis (driving/turning/stopping) to cover a decrease in engine accessories, with an eye to further growth.

Category	Product line	Sales (JPY B)	Major new products (including those under	
		FY2021	FY2030	development)	
Engine accessories	Starters				
	Throttle control	20.0			
	Exhaust valves				
Body	Wipers			 Brushless control wipers (2nd generation) 	
	Power windows and sunroofs	120.0	→	Power windows with integrated motor and drive	
	Power sliding doors			· PSD for ride sharing	
Thermal management	Fans and shrouds	15.0		· Brushless fans (2nd generation)	
Chassis (driving/turning/stopping)	Electric oil pumps (including thermal management)			· Electric oil pumps (2nd generation)	
	EPS	13.0		• EPS with integrated motor and drive	
	Brakes			BLM for brake control	

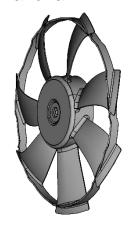


Thermal Management Product Lineup

✓ The shift to EVs requires a thermal management system for the entire vehicle, including the battery, PDU, and motor, and the need for electrical components such as brushless fans, electric oil pumps, electric water pumps, heaters, and flow channel switching valves will grow.

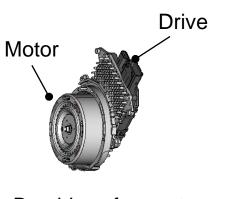
Brushless fans and shrouds for xEV

- Variations to accommodate different types of cars from kei cars to large SUVs
- World's smallest compact and lightweight model (based on Mitsuba data)
- Optimized cooling performance and wind noise via the use of shroud and fan



Quiet fan

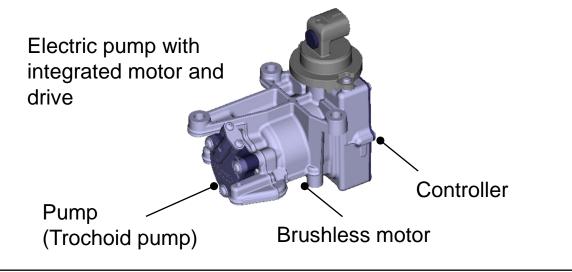
Shroud



Brushless fan motor

Electric oil pumps for xEV

- ◆ Stable oil supply at oil temperatures of -40 to 140°C
- ◆ Ranging from 80 to 200 W, optimal for cooling and hydraulic drive applications
- ◆ Can be installed inside the transmission (in oil)

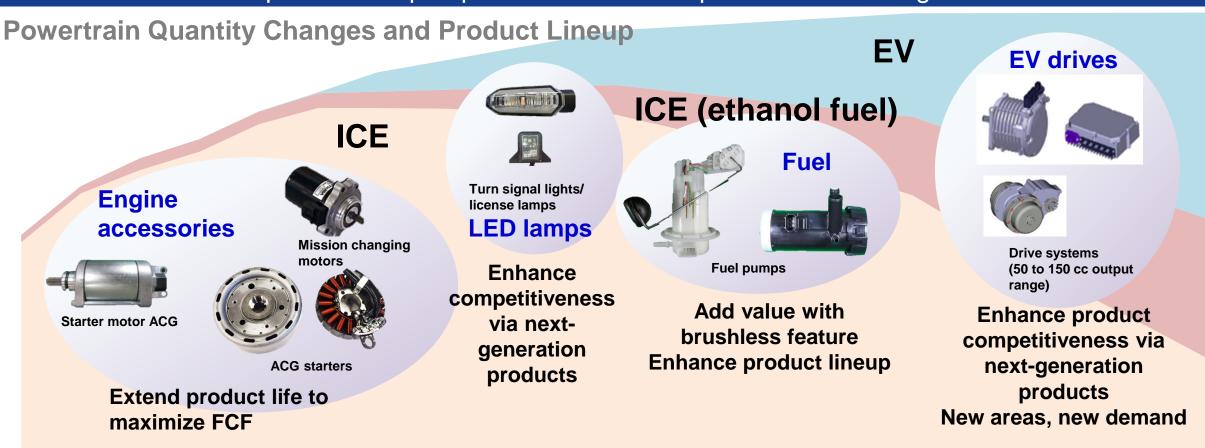






Motorcycle Products

- ✓ We will work on developing our original drive systems in anticipation of an increase in electric motorcycles.
- ✓ We will also develop brushless pumps for flex fuel in response to increasing use of bioethanol.



IV. Business Topics (How Shift to EVs Will Impact and Change Mitsuba Products)



Motorcycle Products: Changes in Portfolio

- ✓ We aim to increase market share for environmentally friendly products, including fuel pumps and ACG starters for FI systems.
- ✓ We will take flexible measures, including sale of our original drive systems, contract manufacturing of motors, and supply of parts, to increase sales and offset declining sales of engine accessories in 2030 and thereafter.

Category	Product line	Sales (J	IPY B)	Major new products (including those under	
		FY2021	FY2030	development)	
Engine accessories	Starters	12.0	\longrightarrow	 Add environmentally friendly devices and enhance output to 	
	AC generators	10.0	→	generate added value • Brushless pump with integrated	
	ACG starters	17.0		motor and drive for flex-fuel applications	
	Fuel pumps	14.0		αρρποαποτίο	
LED lamps Transmission-related	Turn signal lights/relays	7.0		 Employing light guide and sequential technology 	
	Mission changing and conveyor belt motors	0.5	→	o que men es em es egy	
EV drives	Drive systems (motors and controllers)	0.0		· Inner/outer rotor models	



Electric Motorcycle Systems Product Lineup

- ✓ We are developing three variations of naturally air-cooled, low-cost systems with different outputs, based on optimal magnetic circuits, heat radiation design, and control technology.
- ✓ Compact, lightweight design for low power consumption will enable a long cruising range.

Drive motor

Туре	Short spec	Middle spec	Long spec
Engine class	50 cc	100 to 125 cc	125 cc or higher
Appearance			
Max. output	2 kW @48 V	5 kW @48 V	8 kW @96 V
Max. torque	7.5 Nm	20 Nm	23 Nm
Cooling method		Air-cooled	

Controller

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V. Appendix: Results for 2Q FY03/2023 (Trend by Region)



			2Q FY0	3/2022			2Q FY0:	3/2023			QoQ change (C/B)
		1Q	2Q (A)	3Q	4Q	1Q (B)	2Q (C)	3Q	4Q	YoY change (C/A)	
Net s total	sales	69.7	67.1	72.0	77.5	66.8	86.2			+23.6%	+29.1%
	Japan	22.4	23.4	24.0	25.1	20.6	24.5			+4.8%	+19.0%
	Americas	15.2	13.8	14.0	16.2	15.7	18.7			+35.6%	+19.2%
	Europe	5.3	4.2	4.3	5.2	5.2	5.2			+23.8%	+0.6%
	Asia	10.6	12.3	12.9	14.6	14.4	18.8			+52.6%	+30.7%
	China	16.1	13.3	16.6	16.2	10.8	18.8			+41.4%	+74.3%
•	rating me total	3.0	0.4	0.0	3.6	(1.9)	2.3			+396.8%	-
	Japan	1.0	0.0	(0.9)	1.5	(1.6)	0.3			+304.0%	-
	Americas	(0.2)	(0.4)	(0.0)	0.5	(0.0)	(0.5)			-	-
	Europe	(0.3)	(0.2)	(0.2)	(0.0)	(0.1)	(0.0)			-	-
	Asia	0.7	0.2	0.3	(0.1)	0.3	1.5			+429.9%	+341.6%
	China	1.3	0.6	0.5	1.1	(0.2)	1.5			+162.5%	-

^{*}Operating income by region is the value prior to the elimination of intersegment transactions.

V. Appendix: Results for 2Q FY03/2023 (Trend by Customer)



(JPY B)

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										(JPTB)	
		FY03/2	2022		FY03/2023				YoY change	QoQ change	
	1Q	2Q(A)	3Q	4Q	1Q(B)	2Q(C)	3Q	4Q	(C/A)	(C/B)	
Honda	27.6	27.8	30.7	32.2	25.2	35.4			+27.3%	+40.5%	
Automobile	17.4	17.1	18.0	18.0	12.6	18.4			+7.6%	+46.0%	
Motorcycle	10.2	10.6	12.7	14.2	12.6	17.0			+60.4%	+34.9%	
RNM	4.6	4.9	5.9	5.5	4.6	5.8			+18.4%	+26.1%	
SUBARU	3.2	2.9	3.7	3.4	2.0	2.4			-17.2%	+20.0%	
Suzuki	1.5	1.7	1.8	2.0	2.1	2.1			+23.5%	+0.0%	
Mazda	1.2	1.1	1.3	1.6	1.2	1.7			+54.5%	+41.7%	
VW Group	1.2	1.0	1.0	1.2	1.6	1.9			+90.0%	+18.8%	
Toyota Group	0.9	0.9	1.1	1.1	0.6	0.7			-22.2%	+16.7%	
Tier 1	19.8	17.6	18.2	19.9	18.5	23.5			+33.5%	+27.0%	
Other	7.7	4.8	6.0	6.6	9.0	11.5			+139.6%	+27.8%	
Total	67.7	62.6	69.6	73.5	64.8	85.0			+35.8%	+31.2%	

^{*}RNM: Renault, Nissan, and Mitsubishi Motors

^{*}Sales figures by customer are used internally for transportation equipment-related operations and do not match the consolidated segment figures.

V. Appendix: Results for 2Q FY03/2023 (Trend by Business)



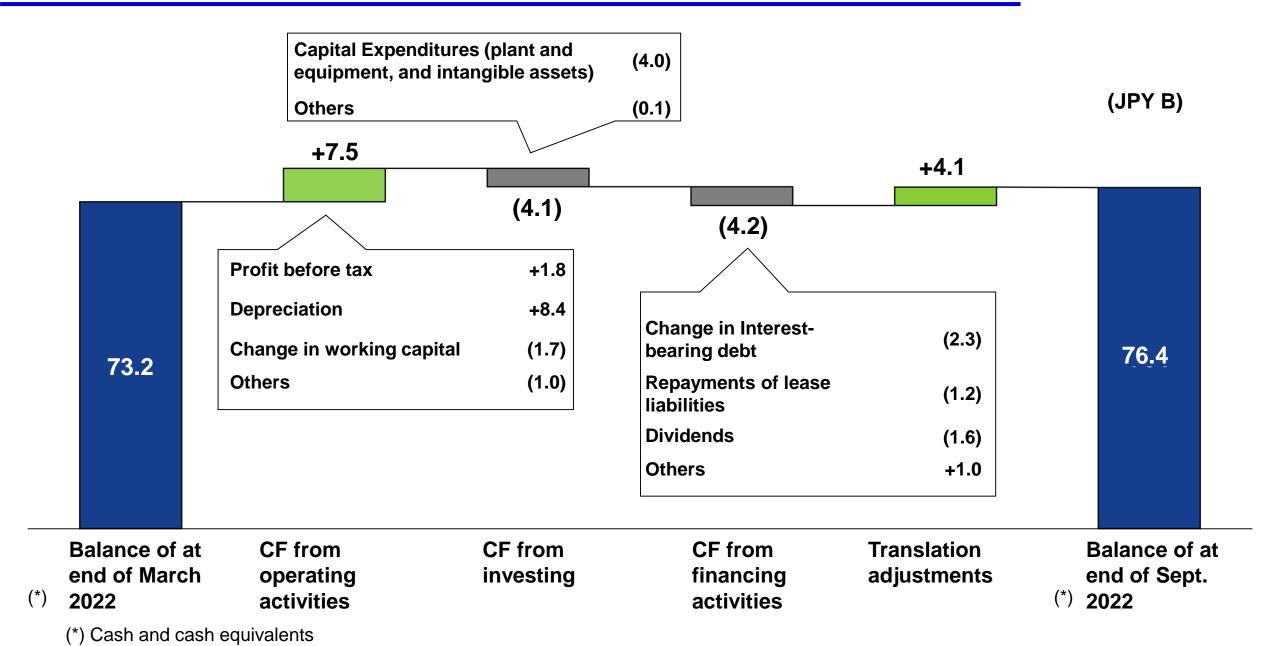
	FY03/2022				FY03/2023					
	1Q	2Q (A)	3Q	4Q	1Q (B)	2Q (C)	3Q	4Q	YoY change (C/A)	QoQ change (C/B)
Automobile	44.1	39.1	44.0	45.5	40.1	53.0			+35.5%	+32.2%
Motorcycle	13.8	14.9	15.9	17.9	16.8	21.8			+46.3%	+29.8%
Electrification Solutions	9.8	8.6	9.7	10.1	7.8	10.2			+18.6%	+30.8%
total	67.7	62.6	69.6	73.5	64.8	85.0			+35.8%	+31.3%

^{*}Sales figures by business are used internally for transportation equipment-related operations and do not match the consolidated segment figures.



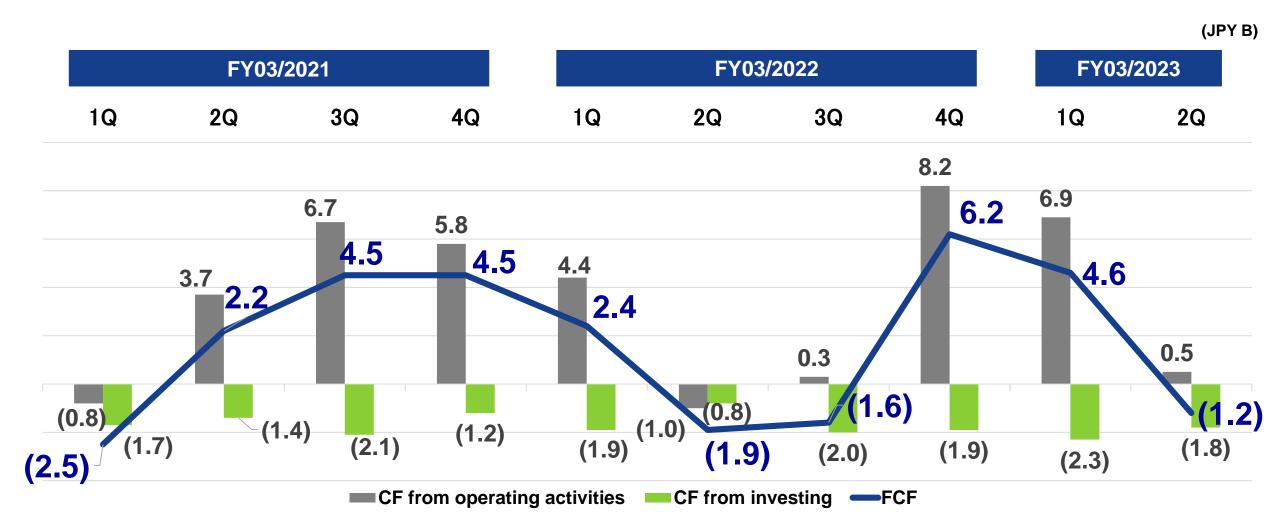
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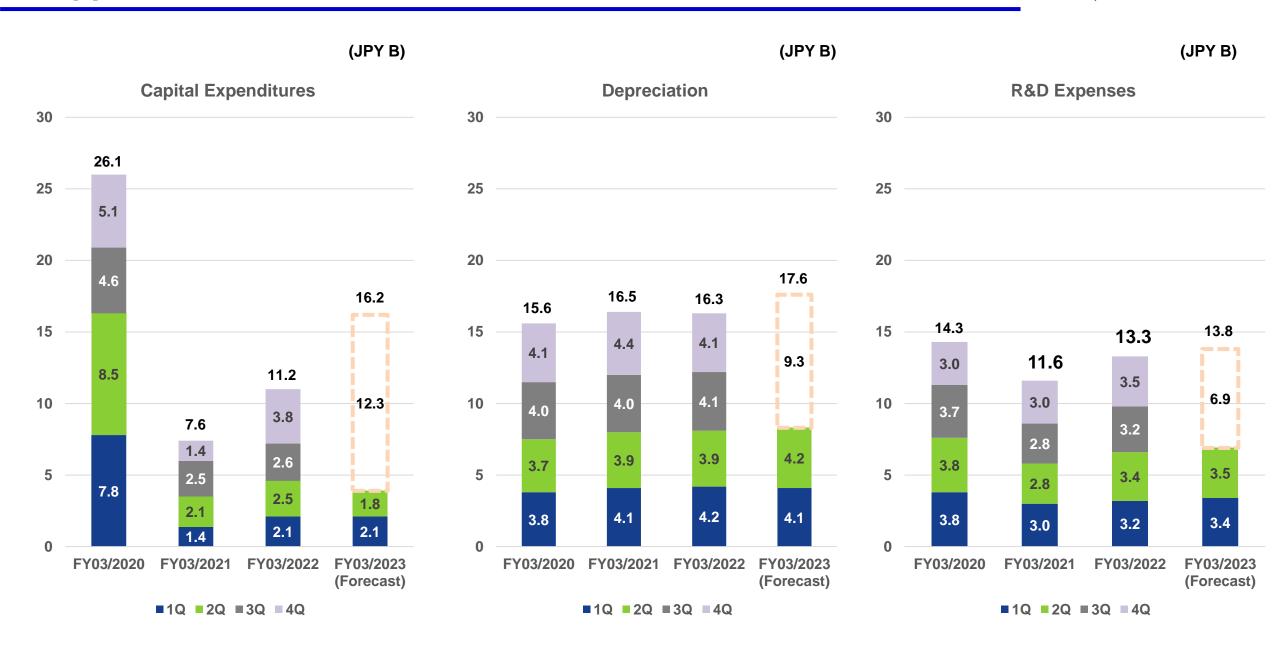
V. Appendix: Results for 2Q FY03/2023 (Consolidated Cash Flow)





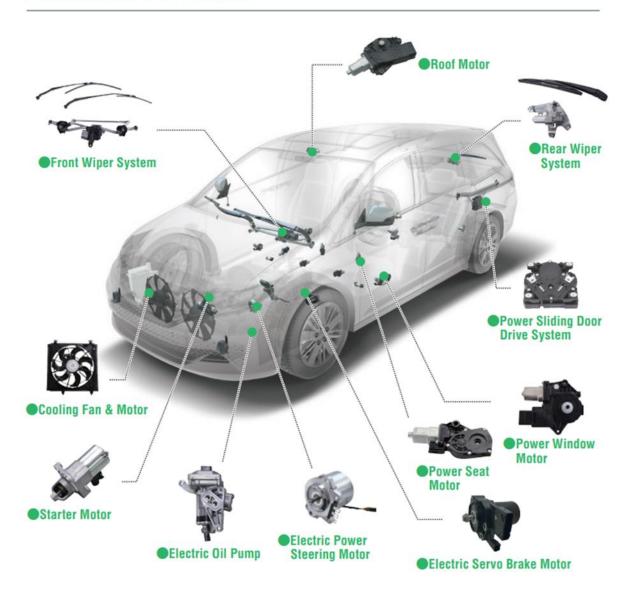
V. Appendix: FY03/2023 (Capital Expenditure, Depreciation, and R&D Expenses)





MITSUBA 31/33 MITSUBA Corporation

Automotive Products



Motorcycle Products



Micro Mobility Products







rofile Driving System

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Solar Car Products

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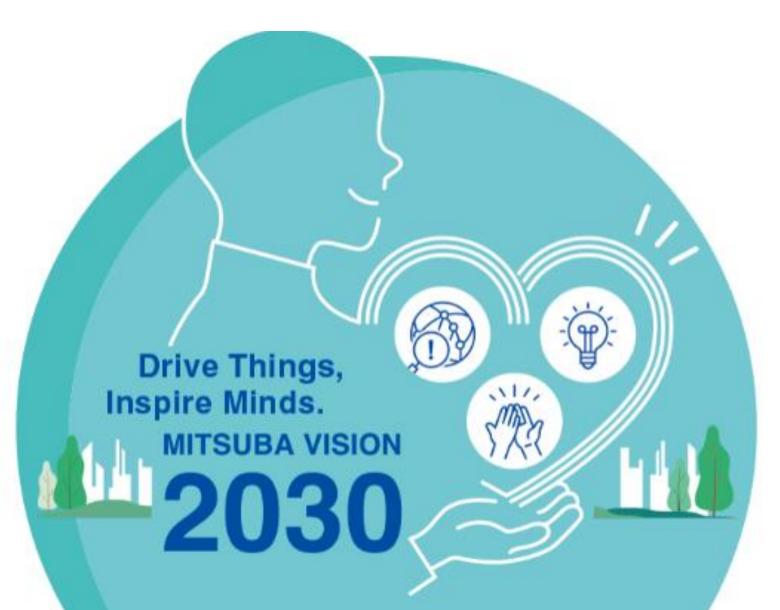
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