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STATISTICAL RELEASE

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Manufacturing: Production and sales (Preliminary)

July 2023

The results published today are based on a new sample. This is an annual procedure which typically affects the level of sales. To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

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Production: results for July 2023

Table A – Key growth rates in the volume of manufacturing production

	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Year-on-year % change, unadjusted	-5,5	-1,7	3,6	2,5	5,9	2,3
Month-on-month % change, seasonally adjusted	-1,5	3,6	0,7	-1,1	1,2	-1,6
3-month % change, seasonally adjusted ¹	-1,1	1,2	1,4	2,8	2,3	0,9

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Manufacturing production increased by 2,3% in July 2023 compared with July 2022. The largest contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (6,8% and contributing 1,4 percentage points); and
- motor vehicles, parts and accessories and other transport equipment (9,5% and contributing 1,0 percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,6% in July 2023 compared with June 2023. This followed month-on-month changes of 1,2% in June 2023 and -1,1% in May 2023 – see Table A.

Seasonally adjusted manufacturing production increased by 0,9% in the three months ended July 2023 compared with the previous three months. Seven of the ten manufacturing divisions reported positive growth rates over this period.

The largest contribution was made by the basic iron and steel, non-ferrous metal products, metal products and machinery division (2,7% and contributing 0,6 of a percentage point) – see Table B.

Table B – Seasonally adjusted manufacturing production for the latest three months by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Feb – Apr 2023	May – Jul 2023	% change between Feb – Apr 2023 and May – Jul 2023	Contribution (% points) to the total % change
Food and beverages	20,75	102,9	100,8	-2,0	-0,5
Meat, fish, fruit, etc.	3,27	106,8	109,5	2,5	0,1
Dairy products	1,39	101,8	102,8	1,0	0,0
Grain mill products	1,68	104,9	103,8	-1,0	0,0
Other food products	7,75	96,8	88,1	-9,0	-0,7
Beverages	6,66	107,8	109,9	1,9	0,2
Textiles, clothing, leather and footwear	4,26	90,3	93,5	3,5	0,1
Textiles	1,08	97,3	105,2	8,1	0,1
Other textile products	0,61	92,2	90,2	-2,2	0,0
Knitted, crocheted articles	0,06	81,1	83,8	3,3	0,0
Wearing apparel	1,98	86,0	88,4	2,8	0,1
Leather and leather products	0,27	80,7	85,0	5,3	0,0
Footwear	0,25	102,4	103,8	1,4	0,0
Wood and wood products, paper, publishing and printing	10,63	89,7	93,1	3,8	0,4
Sawmilling and planing of wood	0,87	93,4	95,9	2,7	0,0
Products of wood	0,88	106,1	109,0	2,7	0,0
Paper and paper products	5,34	89,9	91,9	2,2	0,1
Publishing	2,18	79,1	87,2	10,2	0,2
Printing, recorded media	1,35	92,7	95,5	3,0	0,0
Petroleum, chemical products, rubber and plastic products	24,95	80,2	78,3	-2,4	-0,5
Coke, petroleum products and nuclear fuel	11,85	62,7	60,5	-3,5	-0,3
Basic chemicals	3,50	102,6	98,1	-4,4	-0,2
Other chemical products	6,64	90,7	89,9	-0,9	-0,1
Rubber products	0,76	97,9	91,3	-6,7	-0,1
Plastic products	2,20	100,6	103,1	2,5	0,1
Glass and non-metallic mineral products	3,24	97,3	101,7	4,5	0,2
Glass and glass products	0,49	104,9	104,3	-0,6	0,0
Non-metallic mineral products	2,75	95,9	101,2	5,5	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	96,4	99,0	2,7	0,6
Basic iron and steel products	2,92	83,6	80,8	-3,3	-0,1
Non-ferrous metal products	3,32	85,4	89,4	4,7	0,1
Structural metal products	1,99	102,9	97,6	-5,2	-0,1
Other fabricated metal products	3,53	98,5	109,3	11,0	0,4
General purpose machinery	3,42	110,8	107,9	-2,6	-0,1
Special purpose machinery	3,85	96,6	103,0	6,6	0,3
Household appliances	0,70	100,8	106,0	5,2	0,0
Electrical machinery	2,21	103,0	107,7	4,6	0,1
Radio, television and communication apparatus and professional equipment	1,07	103,0	103,0	0,0	0,0
Radio, television and communication apparatus	0,04	95,5	93,3	-2,3	0,0
Professional equipment	1,03	103,3	103,4	0,1	0,0
Motor vehicles, parts and accessories and other transport equipment	8,89	101,6	106,2	4,5	0,4
Motor vehicles	2,78	96,2	105,0	9,1	0,3
Bodies for motor vehicles, trailers and semi-trailers	0,73	108,1	109,4	1,2	0,0
Parts and accessories	3,97	105,9	111,7	5,5	0,2
Other transport equipment	1,40	97,1	90,8	-6,5	-0,1
Furniture and other manufacturing	4,27	89,3	89,8	0,6	0,0
Furniture	0,78	94,0	92,1	-2,0	0,0
Other manufacturing groups	3,49	88,2	89,2	1,1	0,0
Total	100	93,1	93,9	0,9	0,9

Figure 1 – Volume of manufacturing production (Base: 2019=100)

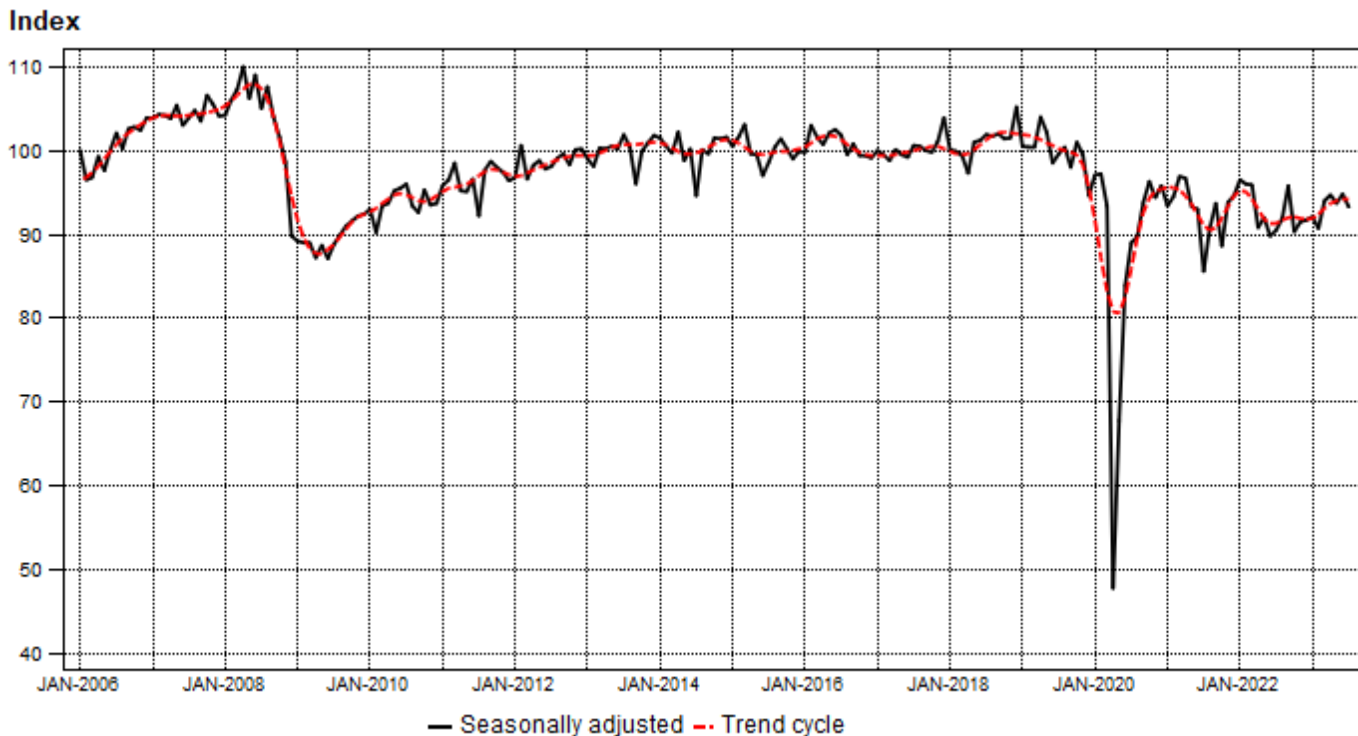
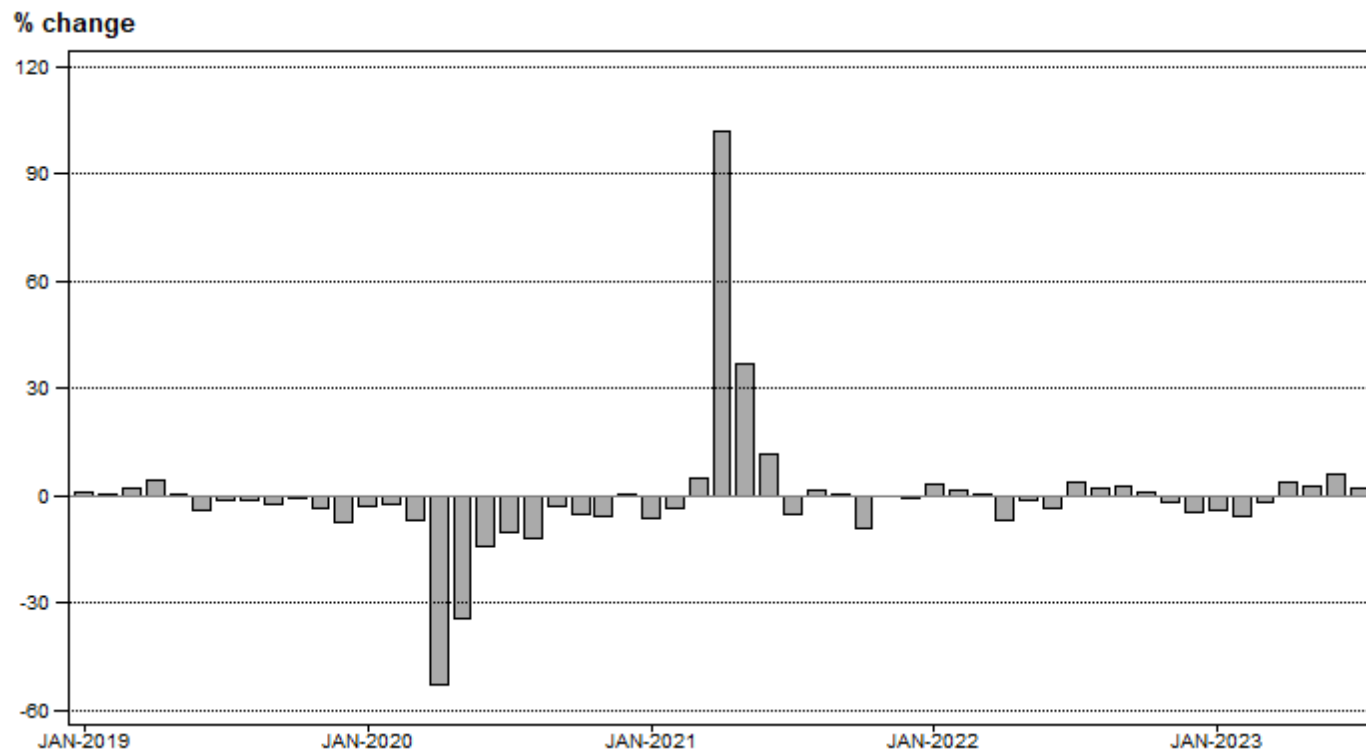


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



Sales: results for July 2023**Table C – Key growth rates in manufacturing sales at current prices**

	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Year-on-year % change, unadjusted	8,6	12,1	13,0	8,2	9,0	9,2
Month-on-month % change, seasonally adjusted	1,9	4,1	-0,2	-2,7	-0,4	1,2
3-month % change, seasonally adjusted ¹	3,3	5,3	5,5	4,4	1,2	-1,4

¹ Percentage change between the previous 3 months and the 3 months ending in the month indicated.

Seasonally adjusted manufacturing sales increased by 1,2% in July 2023 compared with June 2023. This followed month-on-month changes of -0,4% in June 2023 and -2,7% in May 2023 – see Table C.

Table D – Seasonally adjusted manufacturing sales at current prices for the latest three months by division

Manufacturing division	Feb – Apr 2023 (R million)	May – Jul 2023 (R million)	% change between Feb – Apr 2023 and May – Jul 2023	Contribution (% points) to the total % change
Food and beverages	197 784	196 171	-0,8	-0,2
Textiles, clothing, leather and footwear	18 599	18 964	2,0	0,0
Wood and wood products, paper, publishing and printing	51 731	53 841	4,1	0,3
Petroleum, chemical products, rubber and plastic products	174 505	158 622	-9,1	-1,9
Glass and non-metallic mineral products	21 910	21 730	-0,8	0,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	172 240	174 784	1,5	0,3
Electrical machinery	20 645	23 013	11,5	0,3
Radio, television and communication apparatus and professional equipment	7 472	7 387	-1,1	0,0
Motor vehicles, parts and accessories and other transport equipment	128 326	125 927	-1,9	-0,3
Furniture and other manufacturing	30 398	31 646	4,1	0,2
Total	823 609	812 083	-1,4	-1,4

Seasonally adjusted manufacturing sales decreased by 1,4% in the three months ended July 2023 compared with the previous three months. The largest contribution was made by the petroleum, chemical products, rubber and plastic products division (-9,1% and contributing -1,9 percentage points) – see Table D.

Risenga Maluleke
Statistician-General

Note: Changes to the survey and the impact on the statistical series

Business register and samples

Today Statistics South Africa (Stats SA) publishes results for the monthly survey of manufacturing production and sales from a new sample drawn in April 2023, which replaces the previous sample that was drawn in April 2022. The sample was drawn from a business register of enterprises with an annual turnover of at least R2 248 526 and that are required to register with the South African Revenue Service (SARS) for value-added tax.

Owing to the evolving nature of business, the business register is maintained on a continuous basis. The maintenance process is aimed, amongst other things, at capturing changes related to new businesses, ceased businesses, merged businesses and classification changes. In addition, Stats SA undertakes quality improvement surveys related to the business register, the primary objective of which is to capture up-to-date information about the structures and activities of large and complex businesses. This process enables Stats SA to review classification codes for these businesses. These changes are an essential part of the statistical architecture.

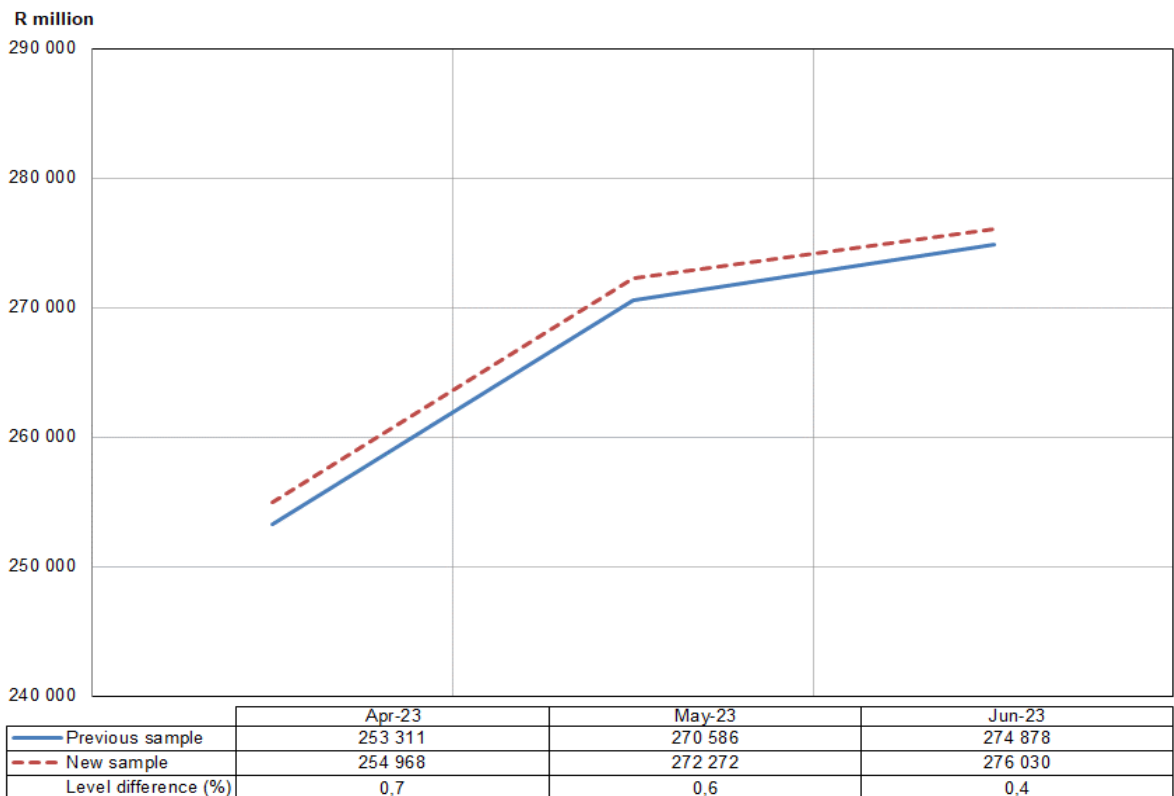
Comparison of total sales between the previous and new samples of the manufacturing industry

The reported level of total sales for the monthly survey of the manufacturing industry for the months April to June 2023 based on the new sample was 0,6% (R4 495 million) higher than the level of total sales recorded for the previous sample – see Table E and Figure 3. The previous sample was drawn in April 2022 and was operational for the last half of 2022 and the first half of 2023.

Table E – Total sales for previous and new samples for the manufacturing industry – April to June 2023

Manufacturing industry	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%)
	798 775	803 270	4 495	0,6

Figure 3 – Total value of sales of manufactured products: monthly levels of previous and new samples for April to June 2023



Comparison of sales between the previous and new samples by division

The differences in sales between the previous and new samples by manufacturing division are shown in Table F.

Table F – Manufacturing sales for previous and new samples by division: April to June 2023

Manufacturing division	Previous sample (R million)	New sample (R million)	Difference	
			(R million)	(%) ¹
Food and beverages	189 410	189 642	232	0,1
Textiles, clothing, leather and footwear	17 529	18 309	780	4,4
Wood and wood products, paper, publishing and printing	48 209	49 030	821	1,7
Petroleum, chemical products, rubber and plastic products	164 643	163 718	-925	-0,6
Glass and non-metallic mineral products	24 604	21 749	-2 855	-11,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	175 075	178 992	3 917	2,2
Electrical machinery	21 043	21 840	797	3,8
Radio, television and communication apparatus and professional equipment	7 388	6 907	-481	-6,5
Motor vehicles, parts and accessories and other transport equipment	120 028	121 562	1 534	1,3
Furniture and other manufacturing	30 848	31 519	671	2,2
Total manufacturing	798 775	803 270	4 495	0,6

¹ The percentage difference is the new sample minus the previous sample, divided by the previous sample, multiplied by 100.

The largest percentage differences were recorded in the following manufacturing divisions:

- glass and non-metallic mineral products (11,6% or R2 855 million lower in the new sample);
- radio, television and communication apparatus and professional equipment (6,5% or R481 million lower in the new sample);
- textiles, clothing, leather and footwear (4,4% or R780 million higher in the new sample); and
- electrical machinery (3,8% or R797 million higher in the new sample).

Backcasting

To avoid breaks in time series and to minimise revisions to historical growth rates, historical sales levels were revised (i.e. they were linked to the estimates based on the new sample).

Tables

Table 1 – Index of the volume of manufacturing production (Base: 2019=100)

Month	2017	2018	2019	2020	2021	2022	2023 ¹
Jan	85,7	87,1	88,0	85,6	80,3	82,8	79,4
Feb	94,3	94,5	94,9	92,4	89,3	90,9	85,9
Mar	101,5	98,9	101,2	94,4	98,9	99,1	97,4
Apr	90,5	91,9	95,8	45,0	91,0	84,5	87,5
May	100,1	101,8	102,0	67,0	91,9	90,9	93,2
Jun	101,5	101,9	97,8	83,8	93,7	90,2	95,5
Jul	100,6	103,2	101,8	91,3	86,7	90,2	92,3
Aug	105,0	106,6	105,2	92,8	94,3	96,2	
Sep	105,4	104,9	102,6	99,3	99,8	102,5	
Oct	109,8	113,4	112,7	106,8	97,3	98,2	
Nov	114,0	115,3	111,0	104,7	104,7	102,5	
Dec	93,2	93,7	86,8	87,3	86,7	82,7	
Total	100,1	101,1	100,0	87,5	92,9	92,6	

¹ The latest three months are preliminary.

Table 2 – Year-on-year percentage change in the volume of manufacturing production

Month	2018	2019	2020	2021	2022	2023	2023 year-to-date
Jan	1,6	1,0	-2,7	-6,2	3,1	-4,1	-4,1
Feb	0,2	0,4	-2,6	-3,4	1,8	-5,5	-4,8
Mar	-2,6	2,3	-6,7	4,8	0,2	-1,7	-3,6
Apr	1,5	4,2	-53,0	102,2	-7,1	3,6	-1,9
May	1,7	0,2	-34,3	37,2	-1,1	2,5	-1,0
Jun	0,4	-4,0	-14,3	11,8	-3,7	5,9	0,1
Jul	2,6	-1,4	-10,3	-5,0	4,0	2,3	0,4
Aug	1,5	-1,3	-11,8	1,6	2,0		
Sep	-0,5	-2,2	-3,2	0,5	2,7		
Oct	3,3	-0,6	-5,2	-8,9	0,9		
Nov	1,1	-3,7	-5,7	0,0	-2,1		
Dec	0,5	-7,4	0,6	-0,7	-4,6		
Total	1,0	-1,1	-12,5	6,2	-0,3		

Table 3 – Seasonally adjusted volume of manufacturing production

Month	Index (Base: 2019=100)				Month-on-month % change			
	2020	2021	2022	2023	2020	2021	2022	2023
Jan	97,1	93,4	96,5	92,1	2,6	-2,5	2,0	0,4
Feb	97,2	94,5	96,0	90,7	0,1	1,2	-0,5	-1,5
Mar	93,4	96,9	95,9	94,0	-3,9	2,5	-0,1	3,6
Apr	47,8	96,7	90,8	94,7	-48,8	-0,2	-5,3	0,7
May	67,8	93,3	92,0	93,7	41,8	-3,5	1,3	-1,1
Jun	83,9	93,0	89,8	94,8	23,7	-0,3	-2,4	1,2
Jul	89,0	85,6	90,5	93,3	6,1	-8,0	0,8	-1,6
Aug	89,7	90,7	91,9		0,8	6,0	1,5	
Sep	93,8	93,7	95,8		4,6	3,3	4,2	
Oct	96,3	88,6	90,3		2,7	-5,4	-5,7	
Nov	94,4	93,8	91,5		-2,0	5,9	1,3	
Dec	95,8	94,6	91,7		1,5	0,9	0,2	

Table 4 – Index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Feb-23	Mar-23	Apr-23	¹ May-23	¹ Jun-23	¹ Jul-23
Food and beverages	20,75	89,8	104,7	95,8	98,2	102,3	90,9
Meat, fish, fruit, etc.	3,27	100,8	116,1	95,8	109,2	112,4	105,9
Dairy products	1,39	87,0	106,0	96,3	102,3	96,4	85,6
Grain mill products	1,68	100,5	108,1	93,1	108,9	103,9	103,9
Other food products	7,75	78,3	91,0	95,4	87,9	105,5	85,4
Beverages	6,66	95,6	113,8	96,9	101,3	94,5	87,7
Textiles, clothing, leather and footwear	4,26	86,4	93,7	84,5	93,0	92,6	94,0
Textiles	1,08	93,2	110,8	91,0	114,3	114,3	106,1
Other textile products	0,61	101,1	93,2	85,6	84,5	91,2	89,0
Knitted, crocheted articles	0,06	70,8	85,4	80,5	88,2	80,2	87,9
Wearing apparel	1,98	79,2	85,3	81,8	85,1	82,3	87,5
Leather and leather products	0,27	88,8	86,0	72,1	80,6	79,2	90,2
Footwear	0,25	79,9	97,8	89,3	99,8	102,2	111,4
Wood and wood products, paper, publishing and printing	10,63	79,7	91,3	79,5	83,3	92,1	94,7
Sawmilling and planing of wood	0,87	95,6	84,2	86,1	93,9	103,9	105,1
Products of wood	0,88	102,5	105,4	94,8	104,6	101,8	120,1
Paper and paper products	5,34	74,6	99,2	82,8	82,3	94,0	92,2
Publishing	2,18	77,0	71,6	62,3	72,1	80,1	84,4
Printing, recorded media	1,35	79,1	87,4	80,1	85,0	89,9	97,8
Petroleum, chemical products, rubber and plastic products	24,95	74,1	82,0	76,8	76,6	77,5	78,4
Coke, petroleum products and nuclear fuel	11,85	56,0	63,3	64,6	53,8	55,9	62,3
Basic chemicals	3,50	94,7	101,6	97,8	102,0	103,5	94,3
Other chemical products	6,64	85,6	94,7	82,0	94,4	93,0	87,6
Rubber products	0,76	102,7	111,0	89,1	87,6	97,5	104,1
Plastic products	2,20	94,4	102,8	89,5	102,0	99,0	103,6
Glass and non-metallic mineral products	3,24	88,3	96,4	91,2	110,5	99,9	104,4
Glass and glass products	0,49	94,1	105,5	96,4	104,0	99,9	99,6
Non-metallic mineral products	2,75	87,3	94,7	90,3	111,7	99,9	105,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	90,5	104,2	93,8	103,6	104,8	96,1
Basic iron and steel products	2,92	77,2	93,4	91,8	82,3	77,8	76,4
Non-ferrous metal products	3,32	81,1	89,6	83,0	94,3	92,3	82,8
Structural metal products	1,99	95,7	113,1	96,6	98,5	101,1	101,3
Other fabricated metal products	3,53	99,9	105,6	89,5	111,6	112,9	110,7
General purpose machinery	3,42	99,0	113,4	102,9	119,1	121,8	103,9
Special purpose machinery	3,85	89,8	110,1	98,2	108,5	114,5	97,4
Household appliances	0,70	91,9	109,6	99,3	107,3	108,6	108,4
Electrical machinery	2,21	99,1	111,1	100,2	113,9	110,6	107,7
Radio, television and communication apparatus and professional equipment	1,07	99,2	111,9	94,0	103,0	100,7	105,2
Radio, television and communication apparatus	0,04	89,1	103,5	79,1	80,4	86,9	76,7
Professional equipment	1,03	99,6	112,3	94,6	103,9	101,3	106,4
Motor vehicles, parts and accessories and other transport equipment	8,89	103,7	118,6	92,6	107,0	110,1	112,0
Motor vehicles	2,78	97,6	113,8	84,1	102,6	104,7	115,7
Bodies for motor vehicles, trailers and semi-trailers	0,73	103,2	122,5	93,3	118,1	125,1	116,1
Parts and accessories	3,97	109,9	118,9	103,7	115,5	118,0	120,4
Other transport equipment	1,40	98,3	125,4	77,3	85,5	90,2	78,6
Furniture and other manufacturing	4,27	80,8	86,0	82,1	87,8	92,1	94,3
Furniture	0,78	78,2	94,8	82,0	90,4	93,4	89,7
Other manufacturing groups	3,49	81,3	84,1	82,1	87,2	91,8	95,3
Total	100	85,9	97,4	87,5	93,2	95,5	92,3

¹ Preliminary.

Table 5 – Year-on-year percentage change in the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Food and beverages	-6,3	3,4	4,9	1,7	6,6	-3,5
Meat, fish, fruit, etc.	0,0	5,2	-2,4	5,2	14,5	4,6
Dairy products	10,3	21,1	13,8	31,5	21,9	-4,0
Grain mill products	4,6	2,7	1,2	7,5	3,2	6,7
Other food products	-6,5	11,4	2,4	-3,4	15,3	-8,1
Beverages	-13,7	-6,4	11,5	-1,1	-7,7	-5,2
Textiles, clothing, leather and footwear	-12,5	-12,3	1,4	0,6	6,8	-0,5
Textiles	-20,5	-9,5	-12,8	-3,3	2,2	-7,0
Other textile products	6,4	-12,3	0,6	0,7	5,6	-1,0
Knitted, crocheted articles	-18,2	2,9	14,3	-9,4	-6,2	-0,7
Wearing apparel	-16,5	-18,5	10,5	4,5	17,4	4,8
Leather and leather products	4,5	-2,4	3,3	-12,0	-18,1	-4,2
Footwear	5,5	13,9	11,5	13,8	2,8	1,3
Wood and wood products, paper, publishing and printing	-5,1	0,8	2,3	1,0	0,8	7,0
Sawmilling and planing of wood	9,4	2,6	4,7	4,0	13,2	14,1
Products of wood	2,2	8,0	6,0	6,7	6,2	11,9
Paper and paper products	-13,3	0,8	4,0	-1,0	-4,8	3,5
Publishing	2,9	-1,8	-4,4	3,3	14,9	13,1
Printing, recorded media	1,0	-1,8	0,0	-0,8	-4,6	4,3
Petroleum, chemical products, rubber and plastic products	-6,0	-8,9	2,7	-3,5	1,6	6,8
Coke, petroleum products and nuclear fuel	-14,6	-15,6	12,3	4,5	20,5	38,8
Basic chemicals	7,7	-6,7	-4,8	-12,7	-9,1	-13,5
Other chemical products	-7,2	-7,1	-2,3	-8,1	-7,2	-5,5
Rubber products	14,9	15,0	-2,8	-5,8	0,1	7,7
Plastic products	3,1	0,4	-1,3	7,0	1,1	0,1
Glass and non-metallic mineral products	-5,2	-8,6	-1,1	1,0	-3,7	1,5
Glass and glass products	-3,2	7,2	-3,4	-3,1	0,9	0,2
Non-metallic mineral products	-5,4	-11,3	-0,6	1,7	-4,5	1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	-4,8	0,3	4,1	6,9	7,4	-0,8
Basic iron and steel products	-18,6	4,6	0,5	-3,7	3,7	-14,2
Non-ferrous metal products	-8,3	-10,2	-6,3	5,7	11,5	0,4
Structural metal products	4,6	4,5	34,7	14,1	-1,4	8,6
Other fabricated metal products	-1,7	-5,1	2,9	15,3	13,9	8,7
General purpose machinery	6,2	8,5	15,7	2,2	5,0	-7,8
Special purpose machinery	-8,5	0,8	-4,0	9,6	7,2	-0,5
Household appliances	-6,1	6,4	0,8	1,7	7,3	7,8
Electrical machinery	-6,3	-0,8	1,7	16,7	17,0	14,1
Radio, television and communication apparatus and professional equipment	1,5	0,3	4,4	2,2	-4,1	5,9
Radio, television and communication apparatus	-2,2	30,8	29,9	14,2	3,6	16,7
Professional equipment	1,6	-0,6	3,7	1,8	-4,3	5,7
Motor vehicles, parts and accessories and other transport equipment	1,0	4,9	5,1	14,7	19,0	9,5
Motor vehicles	-12,0	-7,0	7,0	17,3	36,7	36,1
Bodies for motor vehicles, trailers and semi-trailers	10,6	5,2	-14,2	-0,8	-12,2	-9,9
Parts and accessories	6,8	12,1	11,9	22,5	23,9	3,2
Other transport equipment	8,0	11,0	-6,8	-3,1	-0,3	-4,0
Furniture and other manufacturing	-11,6	-2,3	4,7	-9,5	3,4	-4,3
Furniture	-5,6	7,4	7,2	0,9	3,3	7,2
Other manufacturing groups	-12,9	-4,2	4,1	-11,7	3,4	-6,4
Total	-5,5	-1,7	3,6	2,5	5,9	2,3

Table 6 – Contribution of each division and major group to the year-on-year percentage change in the volume of manufacturing production (percentage points)

Manufacturing division and major group	Weight	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Food and beverages	20,75	-1,4	0,7	1,1	0,4	1,4	-0,8
Meat, fish, fruit, etc.	3,27	0,0	0,2	-0,1	0,2	0,5	0,2
Dairy products	1,39	0,1	0,3	0,2	0,4	0,3	-0,1
Grain mill products	1,68	0,1	0,0	0,0	0,1	0,1	0,1
Other food products	7,75	-0,5	0,7	0,2	-0,3	1,2	-0,6
Beverages	6,66	-1,1	-0,5	0,8	-0,1	-0,6	-0,4
Textiles, clothing, leather and footwear	4,26	-0,6	-0,6	0,1	0,0	0,3	0,0
Textiles	1,08	-0,3	-0,1	-0,2	0,0	0,0	-0,1
Other textile products	0,61	0,0	-0,1	0,0	0,0	0,0	0,0
Knitted, crocheted articles	0,06	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	1,98	-0,3	-0,4	0,2	0,1	0,3	0,1
Leather and leather products	0,27	0,0	0,0	0,0	0,0	-0,1	0,0
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,63	-0,5	0,1	0,2	0,1	0,1	0,7
Sawmilling and planing of wood	0,87	0,1	0,0	0,0	0,0	0,1	0,1
Products of wood	0,88	0,0	0,1	0,1	0,1	0,1	0,1
Paper and paper products	5,34	-0,7	0,0	0,2	0,0	-0,3	0,2
Publishing	2,18	0,1	0,0	-0,1	0,1	0,3	0,2
Printing, recorded media	1,35	0,0	0,0	0,0	0,0	-0,1	0,1
Petroleum, chemical products, rubber and plastic products	24,95	-1,3	-2,0	0,6	-0,8	0,3	1,4
Coke, petroleum products and nuclear fuel	11,85	-1,3	-1,4	1,0	0,3	1,2	2,3
Basic chemicals	3,50	0,3	-0,3	-0,2	-0,6	-0,4	-0,6
Other chemical products	6,64	-0,5	-0,5	-0,1	-0,6	-0,5	-0,4
Rubber products	0,76	0,1	0,1	0,0	0,0	0,0	0,1
Plastic products	2,20	0,1	0,0	0,0	0,2	0,0	0,0
Glass and non-metallic mineral products	3,24	-0,2	-0,3	0,0	0,0	-0,1	0,1
Glass and glass products	0,49	0,0	0,0	0,0	0,0	0,0	0,0
Non-metallic mineral products	2,75	-0,2	-0,3	0,0	0,1	-0,1	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	-1,0	0,1	0,9	1,5	1,6	-0,2
Basic iron and steel products	2,92	-0,6	0,1	0,0	-0,1	0,1	-0,4
Non-ferrous metal products	3,32	-0,3	-0,3	-0,2	0,2	0,3	0,0
Structural metal products	1,99	0,1	0,1	0,6	0,3	0,0	0,2
Other fabricated metal products	3,53	-0,1	-0,2	0,1	0,6	0,5	0,3
General purpose machinery	3,42	0,2	0,3	0,6	0,1	0,2	-0,3
Special purpose machinery	3,85	-0,4	0,0	-0,2	0,4	0,3	0,0
Household appliances	0,70	0,0	0,0	0,0	0,0	0,1	0,1
Electrical machinery	2,21	-0,2	0,0	0,0	0,4	0,4	0,3
Radio, television and communication apparatus and professional equipment	1,07	0,0	0,0	0,1	0,0	-0,1	0,1
Radio, television and communication apparatus	0,04	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	0,0	0,0	0,0	0,0	-0,1	0,1
Motor vehicles, parts and accessories and other transport equipment	8,89	0,1	0,5	0,5	1,3	1,7	1,0
Motor vehicles	2,78	-0,4	-0,2	0,2	0,5	0,9	0,9
Bodies for motor vehicles, trailers and semi-trailers	0,73	0,1	0,0	-0,1	0,0	-0,1	-0,1
Parts and accessories	3,97	0,3	0,5	0,5	0,9	1,0	0,2
Other transport equipment	1,40	0,1	0,2	-0,1	0,0	0,0	-0,1
Furniture and other manufacturing	4,27	-0,5	-0,1	0,2	-0,4	0,1	-0,2
Furniture	0,78	0,0	0,1	0,1	0,0	0,0	0,1
Other manufacturing groups	3,49	-0,5	-0,1	0,1	-0,4	0,1	-0,3
Total	100	-5,5	-1,7	3,6	2,5	5,9	2,3

Table 7 – Seasonally adjusted index of the volume of manufacturing production by division and major group (Base: 2019=100)

Manufacturing division and major group	Weight	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Month-on-month % change
Food and beverages	20,75	104,9	103,8	100,0	103,6	98,7	-4,7
Meat, fish, fruit, etc.	3,27	109,9	104,1	107,1	111,2	110,3	-0,8
Dairy products	1,39	102,8	103,9	110,3	105,6	92,6	-12,3
Grain mill products	1,68	104,4	102,5	104,9	103,3	103,2	-0,1
Other food products	7,75	99,5	95,9	84,7	94,8	84,9	-10,4
Beverages	6,66	109,2	113,1	110,9	109,8	109,1	-0,6
Textiles, clothing, leather and footwear	4,26	91,1	91,0	92,6	96,3	91,7	-4,8
Textiles	1,08	102,7	96,6	106,1	108,7	100,8	-7,3
Other textile products	0,61	87,9	92,6	87,4	90,3	92,9	2,9
Knitted, crocheted articles	0,06	83,5	84,1	82,6	81,5	87,3	7,1
Wearing apparel	1,98	85,8	88,2	86,5	93,2	85,4	-8,4
Leather and leather products	0,27	80,2	76,8	83,0	81,8	90,3	10,4
Footwear	0,25	105,1	101,4	107,9	101,6	101,9	0,3
Wood and wood products, paper, publishing and printing	10,63	92,0	91,8	90,8	92,3	96,3	4,3
Sawmilling and planing of wood	0,87	85,6	96,3	90,6	97,9	99,1	1,2
Products of wood	0,88	106,8	105,1	108,2	104,9	114,0	8,7
Paper and paper products	5,34	95,8	94,5	89,6	91,0	95,2	4,6
Publishing	2,18	78,9	76,3	85,1	86,9	89,7	3,2
Printing, recorded media	1,35	92,3	94,2	93,7	94,4	98,5	4,3
Petroleum, chemical products, rubber and plastic products	24,95	79,3	83,0	78,5	78,2	78,2	0,0
Coke, petroleum products and nuclear fuel	11,85	61,7	67,9	59,9	60,5	61,0	0,8
Basic chemicals	3,50	100,5	101,5	100,2	98,7	95,4	-3,3
Other chemical products	6,64	90,3	92,3	90,8	89,5	89,5	0,0
Rubber products	0,76	97,6	99,0	85,6	91,8	96,6	5,2
Plastic products	2,20	100,4	100,9	104,6	101,9	102,8	0,9
Glass and non-metallic mineral products	3,24	94,0	99,8	103,8	99,2	102,1	2,9
Glass and glass products	0,49	108,3	104,6	103,7	106,2	102,9	-3,1
Non-metallic mineral products	2,75	91,5	99,0	103,8	97,9	101,9	4,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,73	97,6	97,3	99,8	100,5	96,6	-3,9
Basic iron and steel products	2,92	86,7	86,3	79,5	82,2	80,8	-1,7
Non-ferrous metal products	3,32	85,4	86,0	89,6	90,5	88,0	-2,8
Structural metal products	1,99	106,2	105,2	99,4	95,1	98,3	3,4
Other fabricated metal products	3,53	99,7	95,0	109,8	110,9	107,2	-3,3
General purpose machinery	3,42	113,2	110,1	110,7	110,8	102,2	-7,8
Special purpose machinery	3,85	94,6	101,1	104,8	105,9	98,4	-7,1
Household appliances	0,70	105,3	101,9	101,6	107,2	109,1	1,8
Electrical machinery	2,21	101,8	106,6	108,1	105,2	109,7	4,3
Radio, television and communication apparatus and professional equipment	1,07	101,7	102,2	104,4	99,4	105,1	5,7
Radio, television and communication apparatus	0,04	98,2	96,3	94,0	94,0	92,0	-2,1
Professional equipment	1,03	101,8	102,4	104,8	99,7	105,7	6,0
Motor vehicles, parts and accessories and other transport equipment	8,89	103,9	99,9	105,4	107,3	105,8	-1,4
Motor vehicles	2,78	98,2	97,2	102,9	105,0	107,2	2,1
Bodies for motor vehicles, trailers and semi-trailers	0,73	120,6	95,1	112,2	108,7	107,3	-1,3
Parts and accessories	3,97	105,8	106,3	110,3	113,9	111,0	-2,5
Other transport equipment	1,40	101,4	89,9	92,9	92,2	87,2	-5,4
Furniture and other manufacturing	4,27	90,5	95,7	88,9	90,4	90,0	-0,4
Furniture	0,78	97,9	97,2	90,2	92,6	93,6	1,1
Other manufacturing groups	3,49	88,8	95,3	88,6	89,9	89,2	-0,8
Total	100	94,0	94,7	93,7	94,8	93,3	-1,6

Table 8 – Manufacturing sales at current prices (R million)

Month	2017 *	2018 *	2019 *	2020 *	2021 *	2022 *	2023 ¹ *
Jan	161 326	168 405	184 367	183 792	180 331	204 747	224 556
Feb	176 230	187 805	199 110	203 921	208 150	231 366	251 334
Mar	197 373	199 906	217 518	203 878	240 394	261 866	293 633
Apr	171 351	179 170	206 463	98 652	217 839	225 651	254 968
May	194 792	208 652	216 544	146 780	223 726	251 557	272 272
Jun	198 191	208 167	216 629	179 335	230 146	253 134	276 030
Jul	189 719	211 387	220 618	193 289	199 186	247 382	270 190
Aug	201 775	218 759	229 429	199 602	221 163	258 747	
Sep	203 735	222 257	220 821	214 935	233 199	275 555	
Oct	213 493	240 466	240 720	235 300	231 408	267 185	
Nov	231 283	244 716	238 778	239 432	259 583	288 469	
Dec	188 321	197 482	191 072	197 868	218 714	238 243	
Total	2 327 589	2 487 172	2 582 069	2 296 784	2 663 839	3 003 902	

¹ The latest three months are preliminary.

* Revised, see note on page 6.

Table 9 – Year-on-year percentage change in manufacturing sales at current prices

Month	2018	2019	2020	2021	2022	2023	2023 year-to-date
Jan	4,4	9,5	-0,3	-1,9	13,5	9,7	9,7
Feb	6,6	6,0	2,4	2,1	11,2	8,6	9,1
Mar	1,3	8,8	-6,3	17,9	8,9	12,1	10,3
Apr	4,6	15,2	-52,2	120,8	3,6	13,0	10,9
May	7,1	3,8	-32,2	52,4	12,4	8,2	10,3
Jun	5,0	4,1	-17,2	28,3	10,0	9,0	10,1
Jul	11,4	4,4	-12,4	3,1	24,2	9,2	10,0
Aug	8,4	4,9	-13,0	10,8	17,0		
Sep	9,1	-0,6	-2,7	8,5	18,2		
Oct	12,6	0,1	-2,3	-1,7	15,5		
Nov	5,8	-2,4	0,3	8,4	11,1		
Dec	4,9	-3,2	3,6	10,5	8,9		
Total	6,9	3,8	-11,0	16,0	12,8		

Table 10 – Seasonally adjusted manufacturing sales at current prices

Month	R million				Month-on-month % change			
	2020	2021	2022	2023	2020	2021	2022	2023
Jan	212 461	212 444	242 147	262 280	2,9	-0,8	3,3	0,1
Feb	215 929	220 480	246 198	267 379	1,6	3,8	1,7	1,9
Mar	199 241	231 564	250 481	278 396	-7,7	5,0	1,7	4,1
Apr	105 383	230 879	241 298	277 834	-47,1	-0,3	-3,7	-0,2
May	147 540	226 877	251 613	270 361	40,0	-1,7	4,3	-2,7
Jun	176 320	225 939	249 057	269 196	19,5	-0,4	-1,0	-0,4
Jul	188 960	198 074	248 231	272 526	7,2	-12,3	-0,3	1,2
Aug	197 091	216 848	251 225		4,3	9,5	1,2	
Sep	205 430	222 736	260 849		4,2	2,7	3,8	
Oct	213 031	213 088	248 928		3,7	-4,3	-4,6	
Nov	214 616	230 336	256 480		0,7	8,1	3,0	
Dec	214 114	234 355	261 913		-0,2	1,7	2,1	

Table 11 – Manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	* Feb-23	* Mar-23	* Apr-23	¹ May-23	¹ Jun-23	¹ Jul-23
Food and beverages	58 950	66 425	63 178	65 682	60 782	60 300
Meat, fish, fruit, etc.	17 463	18 971	16 697	19 147	19 679	19 591
Dairy products	5 132	6 318	5 714	6 129	5 696	5 519
Grain mill products	11 079	12 528	11 545	12 687	12 420	11 910
Other food products	11 143	11 344	14 708	12 915	8 923	10 076
Beverages	14 132	17 264	14 514	14 805	14 064	13 204
Textiles, clothing, leather and footwear	5 859	6 188	5 772	6 285	6 252	6 445
Textiles	857	972	849	1 077	1 012	950
Other textile products	1 908	1 804	1 659	1 740	1 822	1 760
Knitted, crocheted articles	175	231	199	225	204	236
Wearing apparel	1 751	1 829	1 853	1 932	1 865	2 030
Leather and leather products	535	591	454	506	520	542
Footwear	631	760	758	804	828	927
Wood and wood products, paper, publishing and printing	14 807	18 904	14 522	16 598	17 910	18 007
Sawmilling and planing of wood	1 357	1 446	1 377	1 478	1 505	1 531
Products of wood	2 032	2 037	1 929	2 281	2 140	2 394
Paper and paper products	7 045	10 743	7 230	8 399	9 494	9 183
Publishing	1 684	1 523	1 361	1 568	1 759	1 833
Printing, recorded media	2 689	3 155	2 626	2 872	3 012	3 066
Petroleum, chemical products, rubber and plastic products	51 306	58 272	53 786	53 207	56 725	52 434
Coke, petroleum products and nuclear fuel	17 837	20 705	20 815	16 472	20 579	18 050
Basic chemicals	10 024	11 301	10 590	11 092	11 176	9 487
Other chemical products	13 716	15 442	13 469	15 357	15 024	14 295
Rubber products	1 952	2 282	1 833	2 010	2 003	2 188
Plastic products	7 777	8 543	7 080	8 276	7 943	8 413
Glass and non-metallic mineral products	6 547	7 204	6 840	7 620	7 289	7 576
Glass and glass products	1 415	1 607	1 371	1 416	1 411	1 358
Non-metallic mineral products	5 132	5 597	5 469	6 204	5 878	6 218
Basic iron and steel, non-ferrous metal products, metal products and machinery	53 178	63 373	54 787	61 712	62 493	57 356
Basic iron and steel products	12 088	16 192	14 207	13 138	14 995	12 848
Non-ferrous metal products	14 842	17 179	15 067	17 625	15 788	14 355
Structural metal products	3 933	4 923	4 015	4 357	4 313	4 364
Other fabricated metal products	8 764	9 162	7 865	10 122	10 294	9 811
General purpose machinery	5 357	6 199	5 595	6 563	6 698	5 764
Special purpose machinery	6 976	8 252	6 679	8 453	8 936	8 778
Household appliances	1 217	1 465	1 359	1 454	1 468	1 436
Electrical machinery	6 492	7 580	6 502	7 702	7 636	7 880
Radio, television and communication apparatus and professional equipment	2 299	2 739	2 196	2 349	2 362	2 339
Radio, television and communication apparatus	1 110	1 233	985	929	966	1 029
Professional equipment	1 189	1 506	1 211	1 420	1 396	1 310
Motor vehicles, parts and accessories and other transport equipment	42 871	52 298	37 137	40 531	43 894	46 926
Motor vehicles	25 763	33 643	23 266	23 317	26 696	29 542
Bodies for motor vehicles, trailers and semi-trailers	1 539	1 959	1 445	1 929	1 996	1 810
Parts and accessories	12 500	12 672	9 939	12 572	12 348	13 081
Other transport equipment	3 069	4 025	2 486	2 713	2 854	2 494
Furniture and other manufacturing	9 025	10 649	10 247	10 585	10 687	10 928
Furniture	1 395	1 678	1 556	1 622	1 671	1 635
Other manufacturing groups	7 630	8 971	8 691	8 963	9 016	9 294
Total	251 334	293 633	254 968	272 272	276 030	270 190

¹ Preliminary.

* Revised, see note on page 6.

Table 12 – Year-on-year percentage change in manufacturing sales at current prices by division and major group

Manufacturing division and major group	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Food and beverages	12,2	11,8	15,0	15,2	5,1	6,5
Meat, fish, fruit, etc.	17,4	4,5	0,4	7,5	10,9	13,3
Dairy products	30,7	33,9	36,3	43,6	28,8	17,1
Grain mill products	29,0	23,5	20,7	23,9	18,1	11,6
Other food products	19,7	19,3	37,5	29,9	-14,0	-5,0
Beverages	-11,0	2,3	4,8	0,2	-4,8	-1,1
Textiles, clothing, leather and footwear	4,4	-1,2	13,3	10,6	19,1	11,6
Textiles	1,9	5,4	6,9	24,8	22,2	14,5
Other textile products	10,5	-4,1	9,8	10,8	16,6	6,4
Knitted, crocheted articles	0,0	9,5	24,4	-1,3	-1,4	12,9
Wearing apparel	-6,5	-15,8	11,3	3,0	28,6	22,9
Leather and leather products	11,5	23,6	14,6	-2,9	4,8	-10,3
Footwear	21,8	27,5	33,2	28,6	17,6	12,5
Wood and wood products, paper, publishing and printing	7,2	26,1	17,4	28,0	14,6	18,5
Sawmilling and planing of wood	27,2	32,8	32,7	33,6	29,7	9,5
Products of wood	8,6	9,3	10,8	26,0	12,0	14,7
Paper and paper products	-2,1	30,7	21,5	34,2	14,6	24,0
Publishing	19,6	12,4	15,7	22,9	33,2	33,4
Printing, recorded media	18,0	28,2	6,4	14,3	2,1	4,4
Petroleum, chemical products, rubber and plastic products	14,3	11,2	18,1	-2,8	2,8	9,3
Coke, petroleum products and nuclear fuel	24,0	27,3	48,1	-4,9	12,8	37,2
Basic chemicals	9,8	1,3	11,0	-7,2	-0,2	-14,2
Other chemical products	12,8	4,1	5,9	-1,9	-2,0	7,0
Rubber products	19,5	29,9	-0,1	24,1	4,3	26,5
Plastic products	2,7	1,9	-4,4	1,2	-6,7	-3,1
Glass and non-metallic mineral products	1,9	4,5	16,4	3,5	1,6	5,9
Glass and glass products	11,6	27,4	12,4	0,0	2,7	3,5
Non-metallic mineral products	-0,5	-0,6	17,4	4,4	1,3	6,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	-7,1	-4,5	1,6	-0,9	-1,7	-0,5
Basic iron and steel products	-18,0	-3,8	6,7	-15,4	-12,6	-7,3
Non-ferrous metal products	-22,0	-21,9	-17,7	-12,2	-16,9	-18,3
Structural metal products	19,1	14,0	31,2	20,2	-0,4	16,9
Other fabricated metal products	5,4	-1,7	3,9	16,7	13,4	13,5
General purpose machinery	22,8	25,5	32,3	18,6	20,9	3,8
Special purpose machinery	11,2	9,6	6,7	11,8	25,1	25,2
Household appliances	0,2	5,9	15,1	12,4	12,1	14,3
Electrical machinery	7,7	13,9	13,5	29,3	29,8	30,6
Radio, television and communication apparatus and professional equipment	3,4	14,8	17,9	10,1	2,8	2,2
Radio, television and communication apparatus	8,0	18,3	32,9	13,4	2,4	5,4
Professional equipment	-0,5	12,1	7,8	8,1	3,1	-0,2
Motor vehicles, parts and accessories and other transport equipment	25,9	43,0	18,6	23,8	38,9	20,7
Motor vehicles	24,6	56,9	20,4	16,9	46,7	17,1
Bodies for motor vehicles, trailers and semi-trailers	22,4	23,0	-0,4	12,8	-3,5	-2,5
Parts and accessories	30,3	22,9	22,2	48,2	43,3	41,2
Other transport equipment	21,2	24,7	3,2	4,0	4,4	-1,5
Furniture and other manufacturing	6,0	6,6	13,9	-0,7	22,6	11,5
Furniture	4,5	15,3	23,3	10,8	16,6	18,7
Other manufacturing groups	6,2	5,1	12,4	-2,5	23,8	10,4
Total	8,6	12,1	13,0	8,2	9,0	9,2

Table 13 – Contribution of each division and major group to the year-on-year percentage change in manufacturing sales at current prices (percentage points)

Manufacturing division and major group	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Food and beverages	2,8	2,7	3,7	3,4	1,2	1,5
Meat, fish, fruit, etc.	1,1	0,3	0,0	0,5	0,8	0,9
Dairy products	0,5	0,6	0,7	0,7	0,5	0,3
Grain mill products	1,1	0,9	0,9	1,0	0,8	0,5
Other food products	0,8	0,7	1,8	1,2	-0,6	-0,2
Beverages	-0,8	0,1	0,3	0,0	-0,3	-0,1
Textiles, clothing, leather and footwear	0,1	0,0	0,3	0,2	0,4	0,3
Textiles	0,0	0,0	0,0	0,1	0,1	0,0
Other textile products	0,1	0,0	0,1	0,1	0,1	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	-0,1	-0,1	0,1	0,0	0,2	0,2
Leather and leather products	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,0	0,1	0,1	0,1	0,0	0,0
Wood and wood products, paper, publishing and printing	0,4	1,5	1,0	1,4	0,9	1,1
Sawmilling and planing of wood	0,1	0,1	0,2	0,1	0,1	0,1
Products of wood	0,1	0,1	0,1	0,2	0,1	0,1
Paper and paper products	-0,1	1,0	0,6	0,9	0,5	0,7
Publishing	0,1	0,1	0,1	0,1	0,2	0,2
Printing, recorded media	0,2	0,3	0,1	0,1	0,0	0,1
Petroleum, chemical products, rubber and plastic products	2,8	2,2	3,7	-0,6	0,6	1,8
Coke, petroleum products and nuclear fuel	1,5	1,7	3,0	-0,3	0,9	2,0
Basic chemicals	0,4	0,1	0,5	-0,3	0,0	-0,6
Other chemical products	0,7	0,2	0,3	-0,1	-0,1	0,4
Rubber products	0,1	0,2	0,0	0,2	0,0	0,2
Plastic products	0,1	0,1	-0,1	0,0	-0,2	-0,1
Glass and non-metallic mineral products	0,1	0,1	0,4	0,1	0,0	0,2
Glass and glass products	0,1	0,1	0,1	0,0	0,0	0,0
Non-metallic mineral products	0,0	0,0	0,4	0,1	0,0	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	-1,8	-1,1	0,4	-0,2	-0,4	-0,1
Basic iron and steel products	-1,1	-0,2	0,4	-1,0	-0,9	-0,4
Non-ferrous metal products	-1,8	-1,8	-1,4	-1,0	-1,3	-1,3
Structural metal products	0,3	0,2	0,4	0,3	0,0	0,3
Other fabricated metal products	0,2	-0,1	0,1	0,6	0,5	0,5
General purpose machinery	0,4	0,5	0,6	0,4	0,5	0,1
Special purpose machinery	0,3	0,3	0,2	0,4	0,7	0,7
Household appliances	0,0	0,0	0,1	0,1	0,1	0,1
Electrical machinery	0,2	0,4	0,3	0,7	0,7	0,7
Radio, television and communication apparatus and professional equipment	0,0	0,1	0,1	0,1	0,0	0,0
Radio, television and communication apparatus	0,0	0,1	0,1	0,0	0,0	0,0
Professional equipment	0,0	0,1	0,0	0,0	0,0	0,0
Motor vehicles, parts and accessories and other transport equipment	3,8	6,0	2,6	3,1	4,9	3,3
Motor vehicles	2,2	4,7	1,7	1,3	3,4	1,7
Bodies for motor vehicles, trailers and semi-trailers	0,1	0,1	0,0	0,1	0,0	0,0
Parts and accessories	1,3	0,9	0,8	1,6	1,5	1,5
Other transport equipment	0,2	0,3	0,0	0,0	0,0	0,0
Furniture and other manufacturing	0,2	0,3	0,6	0,0	0,8	0,5
Furniture	0,0	0,1	0,1	0,1	0,1	0,1
Other manufacturing groups	0,2	0,2	0,4	-0,1	0,7	0,4
Total	8,6	12,1	13,0	8,2	9,0	9,2

Table 14 – Seasonally adjusted manufacturing sales at current prices by division and major group (R million)

Manufacturing division and major group	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Month-on-month % change
Food and beverages	65 305	68 369	67 797	63 490	64 884	2,2
Meat, fish, fruit, etc.	18 585	18 152	19 053	19 669	20 147	2,4
Dairy products	5 935	6 222	6 415	6 141	5 924	-3,5
Grain mill products	12 200	12 399	12 324	12 325	11 869	-3,7
Other food products	12 142	14 524	13 457	8 964	10 301	14,9
Beverages	16 444	17 071	16 548	16 391	16 642	1,5
Textiles, clothing, leather and footwear	6 072	6 333	6 300	6 308	6 356	0,8
Textiles	900	919	984	980	968	-1,2
Other textile products	1 749	1 784	1 754	1 782	1 816	1,9
Knitted, crocheted articles	213	215	207	208	228	9,6
Wearing apparel	1 811	2 022	1 989	1 982	1 978	-0,2
Leather and leather products	561	513	499	518	501	-3,3
Footwear	838	880	866	838	865	3,2
Wood and wood products, paper, publishing and printing	18 899	16 987	17 653	17 778	18 410	3,6
Sawmilling and planing of wood	1 410	1 519	1 464	1 429	1 425	-0,3
Products of wood	2 092	2 158	2 337	2 084	2 288	9,8
Paper and paper products	10 515	8 446	8 847	9 117	9 563	4,9
Publishing	1 671	1 712	1 875	1 964	2 047	4,2
Printing, recorded media	3 210	3 151	3 131	3 184	3 087	-3,0
Petroleum, chemical products, rubber and plastic products	57 414	58 927	51 392	53 299	53 931	1,2
Coke, petroleum products and nuclear fuel	21 463	21 895	15 332	17 840	18 453	3,4
Basic chemicals	10 776	11 920	10 776	10 866	10 252	-5,7
Other chemical products	14 744	14 991	14 982	14 612	14 696	0,6
Rubber products	2 071	2 026	2 017	1 899	2 127	12,0
Plastic products	8 361	8 095	8 284	8 082	8 402	4,0
Glass and non-metallic mineral products	7 113	7 602	7 234	7 074	7 422	4,9
Glass and glass products	1 684	1 543	1 468	1 478	1 471	-0,5
Non-metallic mineral products	5 429	6 059	5 766	5 596	5 951	6,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	57 790	58 151	58 578	58 271	57 935	-0,6
Basic iron and steel products	14 380	14 231	12 807	13 483	13 418	-0,5
Non-ferrous metal products	15 831	15 445	16 522	15 216	14 934	-1,9
Structural metal products	4 344	4 672	4 319	3 849	4 289	11,4
Other fabricated metal products	8 697	8 886	9 550	9 658	9 655	0,0
General purpose machinery	5 995	5 961	6 094	6 175	5 772	-6,5
Special purpose machinery	7 212	7 565	7 890	8 487	8 415	-0,8
Household appliances	1 331	1 390	1 395	1 403	1 453	3,6
Electrical machinery	6 897	7 208	7 511	7 617	7 885	3,5
Radio, television and communication apparatus and professional equipment	2 525	2 531	2 490	2 438	2 459	0,9
Radio, television and communication apparatus	1 149	1 204	1 106	1 088	1 131	4,0
Professional equipment	1 376	1 327	1 384	1 350	1 327	-1,7
Motor vehicles, parts and accessories and other transport equipment	46 184	40 967	41 019	42 326	42 582	0,6
Motor vehicles	30 153	25 678	23 879	24 989	25 540	2,2
Bodies for motor vehicles, trailers and semi-trailers	1 812	1 579	1 821	1 721	1 696	-1,5
Parts and accessories	10 930	10 839	12 380	12 706	12 581	-1,0
Other transport equipment	3 289	2 872	2 940	2 911	2 765	-5,0
Furniture and other manufacturing	10 197	10 760	10 389	10 595	10 662	0,6
Furniture	1 755	1 795	1 632	1 677	1 633	-2,6
Other manufacturing groups	8 442	8 965	8 757	8 917	9 029	1,3
Total	278 396	277 834	270 361	269 196	272 526	1,2

Survey information

Introduction	<p>1 Statistics South Africa (Stats SA) conducts a monthly survey of the manufacturing industry, covering manufacturing enterprises. This statistical release contains the results of a sample drawn from the business sampling frame (BSF), with enhanced coverage of South African businesses (see point 4). The release contains monthly indices of the volume of manufacturing production and monthly value of sales of manufactured products by division and major group.</p> <p>2 In accordance with international practice, the indices are usually re-based every five years to a new base year. The current base period of the index is 2019. Both estimated and seasonally adjusted figures are presented.</p> <p>3 In order to improve timeliness, some information for the latest month had to be estimated due to late response. These estimates will be revised in future statistical releases as soon as information becomes available.</p> <p>4 Stats SA is continuously updating its BSF, based on units registered for value-added tax (VAT) and income tax (IT) obtained from the South African Revenue Service (SARS).</p>
Purpose of the survey	<p>5 The results of the monthly manufacturing production and sales survey are used to calculate the volume of manufacturing production indices in order to estimate the gross domestic product (GDP) and its components, which in turn are used to develop and monitor government policy. These indices provide an indicator of the real level of manufacturing activity in the economy.</p>
Special Data Dissemination Standard of the IMF	<p>6 The data in this statistical release adhere to the Special Data Dissemination Standard (SDDS) of the International Monetary Fund (IMF), which sets out standards on coverage, periodicity and timeliness of data, access by the public, integrity, and quality of the disseminated data.</p>
Scope of the survey	<p>7 This survey covers manufacturing enterprises, i.e. those conducting activities in:</p> <ul style="list-style-type: none"> • the manufacturing, processing, making or packing of products; • the slaughtering of animals, including poultry; and • installation, assembly, completion, repair and related work.
Classification	<p>8 The 1993 edition of the <i>Standard Industrial Classification of All Economic Activities</i> (SIC), Fifth Edition, Report No. 09-90-02, was used to classify the statistical units in the survey. The SIC is based on the 1990 <i>International Standard Industrial Classification of All Economic Activities</i> (ISIC) with suitable adaptations for local conditions. Each enterprise is classified to an industry which reflects its predominant activity. Statistics in this publication are presented at SIC division (two-digit) and major group (three-digit) level.</p>
Collection rate	<p>9 The preliminary collection rate for the survey on manufacturing production and sales was 64,0% for July 2023. The collection rate for June 2023 for the new sample was 66,1%.</p>
Statistical unit	<p>10 The statistical unit for which information is compiled and published is an enterprise, defined as a legal unit or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities. The statistical units are derived from and linked to the South African Revenue Service (SARS) administrative data.</p>
Revised figures	<p>11 Revised figures are mainly due to late submission of data to Stats SA, or respondents reporting revisions or corrections to their figures. Preliminary figures, as indicated in the relevant tables, are subject to change and when revised will not be indicated as such.</p>
Related publications	<p>12 Users may also wish to refer to <i>Stats in Brief</i> available from Stats SA.</p>

- Rounding-off of figures** 13 Where necessary, the figures in the tables have been rounded off to the nearest digit shown. There may, therefore, be slight discrepancies between the sums of the constituent items and the totals shown.
- Historical data** 14 Historical manufacturing data are available on the Stats SA webpage. Click on the following link ([Time series data](#)) to access the data electronically.
- Past publications** 15 Past manufacturing releases are available on the Stats SA webpage. Click on the following link ([Past publications](#)) to access the releases electronically.

Technical notes

- Survey methodology and design** 1 The survey is conducted monthly. Questionnaires are sent to a sample of 3 261 enterprises from a population of 31 501 manufacturing enterprises. Completed questionnaires are required to be returned to Stats SA within 10 days after the end of the reference month. Fax and telephone reminders are used to follow up on non-respondents.
- 2 A stratified random sample was drawn at the Standard Industrial Classification (SIC) three-digit level in April 2023 from Stats SA's business sampling frame (BSF). Strata were formed using a combination of the SIC and the measure of size classes for enterprises (see point 3 below).

The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below:

$$n_h = \frac{N_h S_h}{\sum N_h S_h}$$

N_h and S_h are the stratum population size and the stratum variance respectively.

- Class limits** 3 Each manufacturing major group is divided into four size groups. All large enterprises (size group one) are completely enumerated. Simple random sampling is applied to medium (size group two) and to small (size group three and four) enterprises. The total value of sales of manufactured products of large enterprises (size group one) in a major group is added to the weighted totals of size group two, three and four of that major group to reflect the total value of sales of the major group.

Measure of size classes (Rand)

Enterprise size	Size group	Lower limit	Upper limit
Very small	4	2 248 526	17 500 000
Small	3	20 400 001	52 000 000
Medium	2	52 000 001	204 000 000
Large	1	204 000 001	

- Sample weighting** 4 For those strata not completely enumerated, the weights to produce estimates are the inverse ratio of the sampling fraction, modified to take account of non-response in the survey. Stratum estimates are calculated and then aggregated with the completely enumerated stratum to form major group and division estimates. These procedures are consistent with international best practice.
- Index of the volume of manufacturing production** 5 The index of the volume of manufacturing production, also known as a production index, is a statistical measure of the change in the volume of production. The production index of a major group is the ratio between the volume of production of a major group in a given period and the volume of production of the same major group in the base period. The current base period is 2019. The production in the base period is set at 100.

Calculation of production index

- 6 The calculation of the monthly production indices is based on the value of sales of products and articles manufactured and change in monthly value of stocks of manufactured products, after the effect of price changes has been eliminated through deflation using appropriate indices of the producer price index (PPI). For 38 of the 44 major groups in manufacturing, the value of production is calculated from the value of sales and stocks of manufactured products obtained from the monthly survey of manufacturing enterprises.
- 7 More direct indicators are used for the value of production of the following major groups:
 - tobacco;
 - coke and refined petroleum products;
 - basic iron and steel products;
 - basic precious and non-ferrous metal products;
 - motor vehicles; and
 - parts and accessories for motor vehicles.

The volume indices for these major groups are calculated on the basis of quantities. This method is used by the national statistical agencies of many other countries for petroleum products as the results are considered more satisfactory (mainly because these commodities are relatively homogeneous).

Index weighting

- 8 For indices, a weight is calculated for every major group according to the value added of the major group (i.e. output of a major group minus intermediate consumption) relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing, large sample survey (LSS) of the manufacturing industry or national accounts (NA) value added data. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total volume of manufacturing production. Weights between census/LSS/NA years are fixed. The table below reflects the period and the census/LSS/NA which were used as base year for the given period.

Period	Source
1998 to 2000	1996 Census of manufacturing
2001 to 2004	2001 LSS
2005 to 2009	2005 LSS
2010 to 2023	National accounts

- 9 The weights reflect the importance of the major group/division to the total manufacturing industry. The weights change over time due to changes in the relative performance of industries, due to factors such as quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table G – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period			
	2016 (based on value added for 2014 – 2016)	2017 (based on value added for 2015 – 2017)	2018 (based on value added for 2016 – 2018)	2019 – 2023 (based on value added for 2017 – 2019)
Food and beverages	19,24	19,76	20,18	20,75
Meat, fish, fruit, etc.	2,58	2,74	2,95	3,27
Dairy products	1,27	1,32	1,34	1,39
Grain mill products	1,95	1,81	1,69	1,68
Other food products	7,29	7,53	7,76	7,75
Beverages	6,15	6,36	6,44	6,66
Textiles, clothing, leather and footwear	4,55	4,44	4,38	4,26
Textiles	1,15	1,11	1,10	1,08
Other textile products	0,67	0,67	0,65	0,61
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,13	2,07	2,04	1,98
Leather and leather products	0,29	0,28	0,28	0,27
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,88	10,76	10,77	10,63
Sawmilling and planing of wood	0,93	0,93	0,93	0,87
Products of wood	0,83	0,86	0,87	0,88
Paper and paper products	5,38	5,33	5,39	5,34
Publishing	2,31	2,28	2,24	2,18
Printing, recorded media	1,43	1,36	1,34	1,35
Petroleum, chemical products, rubber and plastic products	24,66	25,25	25,38	24,95
Coke, petroleum products and nuclear fuel	10,98	11,72	12,02	11,85
Basic chemicals	4,10	3,82	3,69	3,50
Other chemical products	6,28	6,42	6,54	6,64
Rubber products	0,96	0,91	0,84	0,76
Plastic products	2,34	2,38	2,29	2,20
Glass and non-metallic mineral products	3,98	3,66	3,42	3,24
Glass and glass products	0,61	0,57	0,51	0,49
Non-metallic mineral products	3,37	3,09	2,91	2,75
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,82	19,55	19,47	19,73
Basic iron and steel products	2,86	2,77	2,82	2,92
Non-ferrous metal products (including precious metals)	3,74	3,48	3,26	3,32
Structural metal products	1,92	1,97	1,98	1,99
Other fabricated metal products	3,33	3,32	3,35	3,53
General purpose machinery	3,35	3,36	3,46	3,42
Special purpose machinery	3,93	3,93	3,87	3,85
Household appliances	0,69	0,71	0,73	0,70
Electrical machinery	2,55	2,42	2,31	2,21
Radio, television and communication apparatus and professional equipment	1,46	1,34	1,21	1,07
Radio, television and communication apparatus	0,43	0,29	0,13	0,04
Professional equipment	1,03	1,05	1,08	1,03
Motor vehicles, parts and accessories and other transport equipment	8,63	8,56	8,66	8,89
Motor vehicles	2,51	2,61	2,65	2,78
Bodies for motor vehicles, trailers and semi-trailers	0,66	0,68	0,71	0,73
Parts and accessories	4,10	3,91	3,93	3,97
Other transport equipment	1,36	1,36	1,37	1,40
Furniture and other manufacturing	4,22	4,26	4,21	4,27
Furniture	0,88	0,91	0,86	0,78
Other manufacturing groups	3,34	3,35	3,35	3,49
Total	100	100	100	100

Seasonal adjustment 10 Seasonally adjusted estimates are generated each month, using the X-12 Seasonal Adjustment Program developed by the United States Census Bureau. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not aim to remove irregular or non-seasonal influences, which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variations. This means the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour. The X-12-ARIMA procedure for manufacturing production and sales is described in more detail on the Stats SA website:
[Click to download Manufacturing seasonal adjustment February 2022.](#)

Trend cycle 11 The trend is the long-term pattern or movement of a time series. The X-12 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend.

Reliability of estimates 12 Data presented in this publication are based on information obtained from a sample and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all enterprises in the manufacturing industry in South Africa. Estimates are subject to sampling and non-sampling errors.

13 Inaccuracies may occur because of imperfections in reporting by enterprises and errors made in the collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling errors. Every effort is made to minimise non-sampling errors by careful design of questionnaires, testing them in pilot studies, editing reported data and implementing efficient operating procedures. Fluctuations may occur in consecutive months as a result of seasonal and economic factors.

Relative standard error 14 One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of enterprises was used. The relative standard error (RSE) provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer to the size of the estimate.

Estimates of total industry sales within 95% confidence limits – July 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	266 686	270 190	273 695	0,7

Month-on-month percentage change 15 The month-on-month percentage change in a variable for any given month is the change between that month and the previous month, expressed as a percentage of the latter.

Year-on-year (annual) percentage change 16 The year-on-year percentage change in a variable for any given period is the change between that period and the corresponding period of the previous year, expressed as a percentage of the latter.

Index contribution (percentage points) 17 The contribution (percentage points) of a major group or division to the total manufacturing production percentage change for a given period is calculated by multiplying the difference in the index of each major group or division by the weight of the major group or division and then dividing by the previous period total manufacturing index.

Sales contribution (percentage points) 18 The contribution (percentage points) of a division or major group to the percentage change in total manufacturing sales for a given period is calculated by multiplying the percentage change of each major group or division with its percentage contribution to the total sales of the previous period, divided by 100.

Glossary

Enterprise

The enterprise is a legal entity or a combination of legal units that includes and directly controls all functions necessary to carry out its production activities.

Industry

An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the *System of National Accounts (SNA)* in the same way as in the *Standard Industrial Classification of All Economic Activities (SIC)*, Fifth Edition, Report No. 09-90-02 of January 1993.

Sales

Sales are the total value of sales and transfers-out of all own manufactured products/articles and the amounts received for installation, erection or assembly or other services rendered.

Symbols and abbreviations

BSF	Business sampling frame
GDP	Gross domestic product
IMF	International Monetary Fund
ISIC	International Standard Industrial Classification
LSS	Large sample survey
NA	National accounts
PPI	Producer price index
SIC	Standard Industrial Classification of All Economic Activities
SARS	South African Revenue Service
SDDS	Special Data Dissemination Standard
Stats SA	Statistics South Africa
VAT	Value-added tax
*	Revised figures

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