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Production: results for December 2023

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

	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Year-on-year % change, unadjusted	2,1	1,4	-4,4	2,3	2,5	0,7
Month-on-month % change, seasonally adjusted	-1,4	0,2	-0,2	0,0	1,2	-1,7
3-month % change, seasonally adjusted ¹	0,3	-0,6	-1,2	-0,5	-0,1	0,1

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

Manufacturing production increased by 0,7% in December 2023 compared with December 2022. The largest positive contributions were made by the following divisions:

- petroleum, chemical products, rubber and plastic products (5,3% and contributing 1,1 percentage points);
- wood and wood products, paper, publishing and printing (2,7% and contributing 0,3 of a percentage point); and
- food and beverages (0,9% and contributing 0,3 of a percentage point) – see Tables 5 and 6.

Seasonally adjusted manufacturing production decreased by 1,7% in December 2023 compared with November 2023. This followed month-on-month changes of 1,2% in November 2023 and 0,0% in October 2023 – see Table A.

Seasonally adjusted manufacturing production increased by 0,1% in the fourth quarter of 2023 compared with the third quarter of 2023. Six of the ten manufacturing divisions reported positive growth rates over this period – see Table B.

In 2023, total manufacturing production increased by 0,4% compared with 2022. The largest positive contributions were made by the following divisions:

- basic iron and steel, non-ferrous metal products, metal products and machinery (1,7% and contributing 0,3 of a percentage point);
- motor vehicles, parts and accessories and other transport equipment (2,2% and contributing 0,2 of a percentage point); and
- wood and wood products, paper, publishing and printing (1,4% and contributing 0,2 of a percentage point).

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	Jul – Sep 2023	Oct – Dec 2023	% change between Jul – Sep 2023 and Oct – Dec 2023	Contribution (% points) to the total % change
Food and beverages	21,44	97,3	98,2	0,9	0,2
Meat, fish, fruit, etc.	3,42	109,2	104,9	-3,9	-0,2
Dairy products	1,47	95,1	95,0	-0,1	0,0
Grain mill products	1,85	102,8	99,2	-3,5	-0,1
Other food products	7,81	84,7	90,3	6,6	0,5
Beverages	6,89	104,6	104,2	-0,4	0,0
Textiles, clothing, leather and footwear	4,07	90,9	91,4	0,6	0,0
Textiles	1,04	101,9	104,3	2,4	0,0
Other textile products	0,58	90,6	91,1	0,6	0,0
Knitted, crocheted articles	0,06	91,7	88,1	-3,9	0,0
Wearing apparel	1,88	84,5	85,6	1,3	0,0
Leather and leather products	0,26	83,9	78,2	-6,8	0,0
Footwear	0,25	100,6	97,1	-3,5	0,0
Wood and wood products, paper, publishing and printing	10,48	95,6	97,0	1,5	0,2
Sawmilling and planing of wood	0,86	97,0	99,0	2,1	0,0
Products of wood	0,90	118,3	121,6	2,8	0,0
Paper and paper products	5,26	95,4	100,9	5,8	0,3
Publishing	2,10	86,0	79,1	-8,0	-0,2
Printing, recorded media	1,36	95,2	92,3	-3,0	0,0
Petroleum, chemical products, rubber and plastic products	24,86	77,9	77,4	-0,6	-0,1
Coke, petroleum products and nuclear fuel	11,92	58,8	60,9	3,6	0,3
Basic chemicals	3,39	100,6	103,1	2,5	0,1
Other chemical products	6,82	91,2	84,6	-7,2	-0,5
Rubber products	0,68	94,5	92,0	-2,6	0,0
Plastic products	2,05	101,9	102,0	0,1	0,0
Glass and non-metallic mineral products	3,10	100,9	104,1	3,2	0,1
Glass and glass products	0,48	99,4	107,2	7,8	0,0
Non-metallic mineral products	2,62	101,2	103,5	2,3	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	98,2	96,8	-1,4	-0,3
Basic iron and steel products	2,92	81,0	82,2	1,5	0,0
Non-ferrous metal products	3,54	89,3	90,0	0,8	0,0
Structural metal products	2,01	102,3	103,0	0,7	0,0
Other fabricated metal products	3,65	103,1	100,6	-2,4	-0,1
General purpose machinery	3,45	103,8	97,0	-6,6	-0,3
Special purpose machinery	3,73	106,2	106,9	0,7	0,0
Household appliances	0,66	108,1	101,3	-6,3	0,0
Electrical machinery	2,14	107,3	101,7	-5,2	-0,1
Radio, television and communication apparatus and professional equipment	1,06	96,8	94,7	-2,2	0,0
Radio, television and communication apparatus	0,03	93,2	92,6	-0,6	0,0
Professional equipment	1,03	97,1	94,9	-2,3	0,0
Motor vehicles, parts and accessories and other transport equipment	8,72	105,4	107,1	1,6	0,2
Motor vehicles	2,62	103,8	111,6	7,5	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,75	109,3	112,1	2,6	0,0
Parts and accessories	4,03	111,4	107,8	-3,2	-0,2
Other transport equipment	1,32	88,5	93,7	5,9	0,1
Furniture and other manufacturing	4,17	87,7	89,5	2,1	0,1
Furniture	0,69	93,7	94,1	0,4	0,0
Other manufacturing groups	3,48	86,5	88,6	2,4	0,1
Total	100	92,9	93,0	0,1	0,1

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

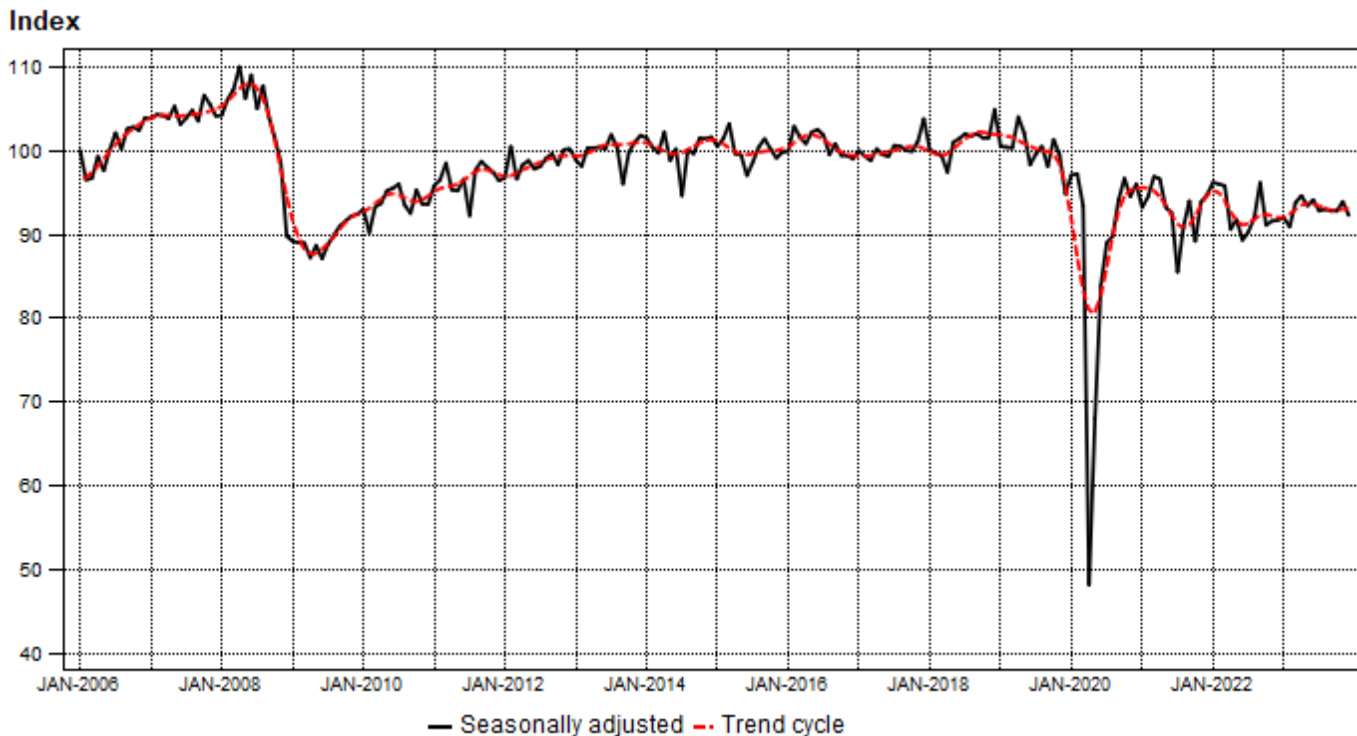
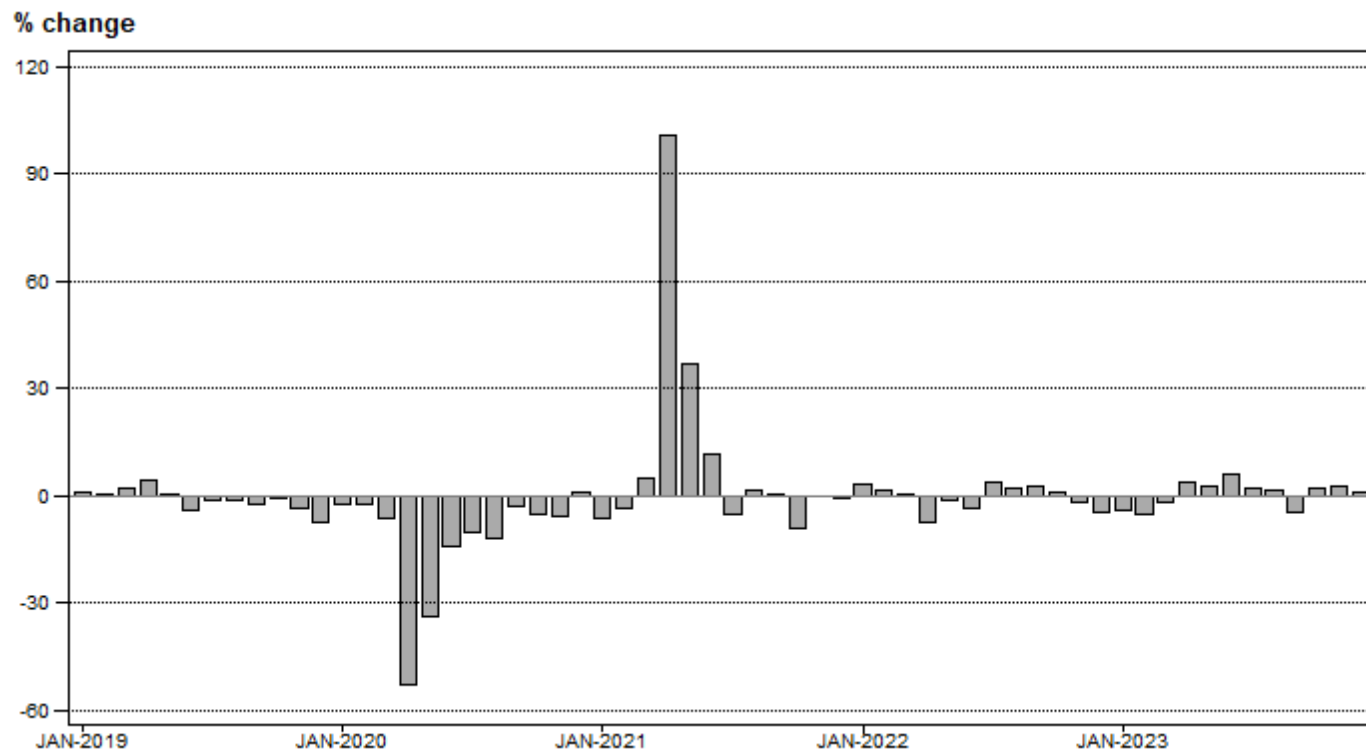


Figure 2 – Volume of manufacturing production (Base: 2019=100): year-on-year percentage change



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

	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Year-on-year % change, unadjusted	9,2	11,4	6,2	11,9	9,7	9,5
Month-on-month % change, seasonally adjusted	2,2	2,4	-0,1	-0,6	1,7	1,3
3-month % change, seasonally adjusted ¹	-1,1	-0,1	2,5	3,4	2,4	1,7

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

Seasonally adjusted manufacturing sales increased by 1,3% in December 2023 compared with November 2023. This followed month-on-month changes of 1,7% in November 2023 and -0,6% in October 2023 – see Table C.

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

Manufacturing division	Jul – Sep 2023 (R million)	Oct – Dec 2023 (R million)	% change between Jul – Sep 2023 and Oct – Dec 2023	Contribution (% points) to the total % change
Food and beverages	189 103	189 124	0,0	0,0
Textiles, clothing, leather and footwear	18 992	18 995	0,0	0,0
Wood and wood products, paper, publishing and printing	54 524	56 417	3,5	0,2
Petroleum, chemical products, rubber and plastic products	176 850	170 745	-3,5	-0,7
Glass and non-metallic mineral products	22 246	23 879	7,3	0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	175 610	177 720	1,2	0,3
Electrical machinery	21 764	20 953	-3,7	-0,1
Radio, television and communication apparatus and professional equipment	7 324	7 627	4,1	0,0
Motor vehicles, parts and accessories and other transport equipment	136 657	151 345	10,7	1,8
Furniture and other manufacturing	31 803	32 137	1,1	0,0
Total	834 872	848 942	1,7	1,7

Seasonally adjusted manufacturing sales increased by 1,7% in the fourth quarter of 2023 compared with the third quarter of 2023. The largest positive contribution was made by the motor vehicles, parts and accessories and other transport equipment division (10,7% and contributing 1,8 percentage points) – see Table D.

Risenga Maluleke
Statistician-General

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

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	-2,6	-6,3	3,1	-4,0	-4,0
Feb	0,2	0,4	-2,6	-3,4	1,8	-5,4	-4,7
Mar	-2,6	2,3	-6,6	4,7	0,2	-1,6	-3,5
Apr	1,5	4,2	-52,7	101,1	-7,2	3,7	-1,8
May	1,7	0,2	-34,1	36,9	-1,1	2,5	-1,0
Jun	0,4	-4,0	-14,0	11,4	-3,6	5,8	0,1
Jul	2,6	-1,4	-10,2	-5,0	3,9	2,1	0,4
Aug	1,5	-1,3	-11,7	1,5	2,0	1,4	0,6
Sep	-0,5	-2,2	-3,1	0,4	2,8	-4,4	-0,1
Oct	3,3	-0,6	-5,2	-9,0	1,0	2,3	0,2
Nov	1,1	-3,7	-5,7	0,0	-2,1	2,5	0,4
Dec	0,5	-7,4	0,9	-0,7	-4,7	0,7	0,4
Total	1,0	-1,1	-12,3	5,9	-0,3	0,4	

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	93,2	96,2	92,0	2,4	-2,9	1,6	0,3
Feb	97,2	94,5	96,0	90,9	0,1	1,4	-0,2	-1,2
Mar	93,4	96,9	95,8	93,8	-3,9	2,5	-0,2	3,2
Apr	48,2	96,6	90,6	94,6	-48,4	-0,3	-5,4	0,9
May	68,0	93,2	91,8	93,4	41,1	-3,5	1,3	-1,3
Jun	83,9	92,6	89,3	94,1	23,4	-0,6	-2,7	0,7
Jul	89,0	85,5	90,3	92,8	6,1	-7,7	1,1	-1,4
Aug	89,8	90,9	92,0	93,0	0,9	6,3	1,9	0,2
Sep	94,1	94,0	96,2	92,8	4,8	3,4	4,6	-0,2
Oct	96,7	89,2	91,1	92,8	2,8	-5,1	-5,3	0,0
Nov	94,5	93,9	91,6	93,9	-2,3	5,3	0,5	1,2
Dec	96,0	94,7	91,7	92,3	1,6	0,9	0,1	-1,7

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

Manufacturing division and major group	Weight	Jul-23	Aug-23	Sep-23	¹ Oct-23	¹ Nov-23	¹ Dec-23
Food and beverages	21,44	90,6	98,7	106,0	100,5	108,8	106,9
Meat, fish, fruit, etc.	3,42	105,4	109,8	110,9	109,3	112,0	107,9
Dairy products	1,47	86,6	95,9	101,3	110,0	105,7	99,7
Grain mill products	1,85	104,2	104,1	105,2	106,4	104,5	95,6
Other food products	7,81	84,1	93,0	92,0	90,2	103,5	82,9
Beverages	6,89	87,7	98,7	120,6	104,2	114,9	138,2
Textiles, clothing, leather and footwear	4,07	95,3	92,7	95,4	108,4	111,6	74,8
Textiles	1,04	106,1	106,4	106,1	117,3	123,3	65,7
Other textile products	0,58	87,9	84,0	100,6	106,0	110,1	78,6
Knitted, crocheted articles	0,06	91,1	112,0	102,7	102,1	105,9	65,5
Wearing apparel	1,88	90,3	86,0	87,5	106,0	105,7	79,5
Leather and leather products	0,26	90,2	77,7	83,8	94,4	102,9	50,3
Footwear	0,25	111,4	116,7	108,0	110,5	120,8	96,4
Wood and wood products, paper, publishing and printing	10,48	94,7	104,7	106,4	105,2	114,6	92,2
Sawmilling and planing of wood	0,86	105,2	111,2	97,5	97,6	98,7	84,7
Products of wood	0,90	120,1	128,3	133,0	138,3	137,7	104,1
Paper and paper products	5,26	93,2	96,5	106,9	103,0	116,1	104,1
Publishing	2,10	84,4	114,0	96,5	97,5	95,4	66,7
Printing, recorded media	1,36	93,0	102,1	107,6	108,5	133,2	82,2
Petroleum, chemical products, rubber and plastic products	24,86	78,3	80,4	80,1	84,0	82,8	73,2
Coke, petroleum products and nuclear fuel	11,92	62,3	58,6	55,9	67,4	62,1	64,0
Basic chemicals	3,39	94,6	106,1	110,2	101,9	112,4	95,9
Other chemical products	6,82	87,9	94,0	98,6	91,4	91,6	76,5
Rubber products	0,68	103,4	102,2	93,5	99,9	100,4	50,9
Plastic products	2,05	104,0	111,5	104,8	121,4	118,4	85,7
Glass and non-metallic mineral products	3,10	104,8	106,1	107,4	116,5	120,5	87,9
Glass and glass products	0,48	99,6	95,7	110,3	110,9	112,0	118,2
Non-metallic mineral products	2,62	105,7	108,0	106,9	117,5	122,1	82,4
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	95,0	107,0	102,1	104,6	108,5	78,2
Basic iron and steel products	2,92	76,4	81,5	79,7	87,5	80,1	73,0
Non-ferrous metal products	3,54	82,8	94,0	88,4	98,3	96,0	81,5
Structural metal products	2,01	101,2	118,4	110,7	114,6	121,1	78,5
Other fabricated metal products	3,65	108,6	113,4	104,4	110,9	119,9	68,9
General purpose machinery	3,45	100,3	116,7	116,0	103,9	110,9	79,6
Special purpose machinery	3,73	97,0	117,9	110,9	113,3	122,7	85,4
Household appliances	0,66	108,4	108,6	114,3	102,0	107,6	85,7
Electrical machinery	2,14	111,9	112,0	107,3	112,6	117,7	72,0
Radio, television and communication apparatus and professional equipment	1,06	101,5	94,3	94,6	105,1	106,6	95,8
Radio, television and communication apparatus	0,03	78,6	94,2	103,4	116,9	120,1	107,5
Professional equipment	1,03	103,4	94,3	93,9	104,1	105,5	94,8
Motor vehicles, parts and accessories and other transport equipment	8,72	112,3	114,0	108,9	122,3	130,1	60,6
Motor vehicles	2,62	115,7	115,8	113,4	129,4	130,1	57,4
Bodies for motor vehicles, trailers and semi-trailers	0,75	114,1	119,3	117,3	128,4	125,3	73,4
Parts and accessories	4,03	120,4	121,6	108,5	124,3	136,2	49,6
Other transport equipment	1,32	79,4	84,4	96,2	98,7	114,1	93,2
Furniture and other manufacturing	4,17	95,4	88,0	94,0	93,9	101,4	85,1
Furniture	0,69	89,7	94,5	107,9	109,4	115,2	94,1
Other manufacturing groups	3,48	96,4	86,7	91,2	90,9	98,6	83,3
Total	100	92,1	97,5	98,1	100,5	105,1	83,5

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

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	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Food and beverages	21,44	-0,9	-0,7	-2,5	-1,0	0,1	0,3
Meat, fish, fruit, etc.	3,42	0,2	0,2	0,1	0,1	-0,2	-0,1
Dairy products	1,47	0,0	0,0	0,0	0,0	-0,1	-0,1
Grain mill products	1,85	0,1	0,0	0,1	0,0	0,0	0,1
Other food products	7,81	-0,8	-0,5	-1,6	-0,7	0,4	-0,4
Beverages	6,89	-0,4	-0,4	-1,0	-0,4	0,1	0,8
Textiles, clothing, leather and footwear	4,07	0,0	-0,1	-0,2	0,0	0,0	-0,2
Textiles	1,04	-0,1	-0,1	0,0	0,1	0,0	-0,1
Other textile products	0,58	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	1,88	0,1	0,1	-0,1	0,0	0,0	0,0
Leather and leather products	0,26	0,0	-0,1	0,0	0,0	0,0	-0,1
Footwear	0,25	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	10,48	0,7	0,2	-0,4	0,4	1,1	0,3
Sawmilling and planing of wood	0,86	0,1	0,0	-0,1	0,0	0,0	0,1
Products of wood	0,90	0,1	0,2	0,2	0,2	0,1	0,2
Paper and paper products	5,26	0,2	-0,1	-0,4	0,0	0,8	0,3
Publishing	2,10	0,2	0,2	-0,2	0,1	0,1	-0,2
Printing, recorded media	1,36	0,0	-0,1	0,0	0,1	0,1	-0,1
Petroleum, chemical products, rubber and plastic products	24,86	1,5	1,5	1,2	1,6	0,0	1,1
Coke, petroleum products and nuclear fuel	11,92	2,3	1,0	1,2	1,7	1,1	1,7
Basic chemicals	3,39	-0,5	0,0	0,1	0,0	0,1	0,1
Other chemical products	6,82	-0,4	0,3	0,1	-0,3	-1,1	-0,7
Rubber products	0,68	0,1	0,1	-0,1	0,0	0,0	0,0
Plastic products	2,05	0,0	0,1	-0,1	0,2	-0,1	0,0
Glass and non-metallic mineral products	3,10	0,1	-0,1	-0,2	-0,1	0,1	-0,1
Glass and glass products	0,48	0,0	-0,1	0,0	0,0	0,0	0,1
Non-metallic mineral products	2,62	0,1	0,0	-0,2	-0,1	0,1	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	-0,4	0,7	0,3	0,5	0,4	0,1
Basic iron and steel products	2,92	-0,4	0,0	-0,1	0,0	-0,1	0,1
Non-ferrous metal products	3,54	0,0	-0,1	0,0	0,1	0,0	-0,1
Structural metal products	2,01	0,2	0,2	-0,1	0,2	0,1	0,0
Other fabricated metal products	3,65	0,3	0,1	-0,2	0,2	0,2	0,1
General purpose machinery	3,45	-0,5	0,0	-0,1	-0,3	-0,4	-0,1
Special purpose machinery	3,73	0,0	0,6	0,8	0,4	0,6	0,1
Household appliances	0,66	0,1	0,0	0,1	0,0	0,0	0,0
Electrical machinery	2,14	0,3	0,3	0,1	0,2	0,2	-0,2
Radio, television and communication apparatus and professional equipment	1,06	0,0	-0,1	-0,1	0,0	-0,1	-0,1
Radio, television and communication apparatus	0,03	0,0	0,0	0,0	0,0	0,0	0,0
Professional equipment	1,03	0,0	-0,1	-0,1	0,0	-0,1	-0,1
Motor vehicles, parts and accessories and other transport equipment	8,72	0,9	-0,1	-2,3	0,6	0,6	-0,5
Motor vehicles	2,62	0,9	0,0	-0,6	0,9	0,5	0,2
Bodies for motor vehicles, trailers and semi-trailers	0,75	-0,1	0,0	-0,1	0,0	-0,1	0,0
Parts and accessories	4,03	0,2	-0,1	-1,4	-0,1	0,3	-0,7
Other transport equipment	1,32	0,0	0,0	-0,2	-0,1	-0,1	0,0
Furniture and other manufacturing	4,17	-0,2	-0,1	-0,2	0,0	0,0	0,1
Furniture	0,69	0,0	0,0	0,1	0,1	0,0	0,0
Other manufacturing groups	3,48	-0,2	-0,2	-0,3	-0,1	0,0	0,1
Total	100	2,1	1,4	-4,4	2,3	2,5	0,7

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	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Month-on-month % change
Food and beverages	21,44	95,7	98,5	94,7	99,1	100,7	1,6
Meat, fish, fruit, etc.	3,42	109,5	108,7	106,5	104,1	104,0	-0,1
Dairy products	1,47	96,5	95,6	95,8	94,4	94,8	0,4
Grain mill products	1,85	101,1	103,9	101,4	96,3	99,8	3,6
Other food products	7,81	83,6	85,5	85,7	94,5	90,7	-4,0
Beverages	6,89	101,1	107,2	97,0	103,7	111,9	7,9
Textiles, clothing, leather and footwear	4,07	90,7	90,4	91,5	92,3	90,5	-2,0
Textiles	1,04	103,8	100,8	104,3	106,4	102,2	-3,9
Other textile products	0,58	87,1	92,6	89,2	91,1	93,1	2,2
Knitted, crocheted articles	0,06	94,1	89,9	87,8	90,6	86,0	-5,1
Wearing apparel	1,88	84,5	83,9	85,6	84,7	86,4	2,0
Leather and leather products	0,26	80,8	80,4	83,6	90,8	60,3	-33,6
Footwear	0,25	100,5	100,3	96,5	96,4	98,3	2,0
Wood and wood products, paper, publishing and printing	10,48	96,4	93,9	96,1	97,9	97,1	-0,8
Sawmilling and planing of wood	0,86	99,1	93,0	94,4	94,1	108,4	15,2
Products of wood	0,90	119,9	120,0	118,5	120,1	126,2	5,1
Paper and paper products	5,26	94,6	94,7	98,7	102,4	101,6	-0,8
Publishing	2,10	90,5	79,8	83,4	80,8	73,2	-9,4
Printing, recorded media	1,36	94,8	96,0	92,1	94,3	90,5	-4,0
Petroleum, chemical products, rubber and plastic products	24,86	77,3	78,6	77,9	76,5	77,8	1,7
Coke, petroleum products and nuclear fuel	11,92	57,2	58,5	61,4	60,0	61,3	2,2
Basic chemicals	3,39	101,9	104,3	100,0	104,1	105,1	1,0
Other chemical products	6,82	89,5	94,4	86,4	83,0	84,3	1,6
Rubber products	0,68	97,8	89,8	90,3	92,3	93,4	1,2
Plastic products	2,05	105,7	97,1	104,6	99,4	101,9	2,5
Glass and non-metallic mineral products	3,10	100,2	100,3	102,0	104,7	105,6	0,9
Glass and glass products	0,48	91,6	104,9	102,6	98,7	120,2	21,8
Non-metallic mineral products	2,62	101,8	99,5	101,9	105,7	103,0	-2,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,96	101,6	97,8	97,7	98,2	94,6	-3,7
Basic iron and steel products	2,92	83,7	79,8	82,1	80,4	84,0	4,5
Non-ferrous metal products	3,54	90,4	88,9	92,0	91,1	87,0	-4,5
Structural metal products	2,01	107,0	100,6	103,8	103,2	101,9	-1,3
Other fabricated metal products	3,65	106,7	98,1	100,3	102,4	99,1	-3,2
General purpose machinery	3,45	107,6	105,4	98,6	99,3	93,1	-6,2
Special purpose machinery	3,73	112,2	109,4	107,8	110,9	101,9	-8,1
Household appliances	0,66	106,2	109,3	101,6	99,3	102,9	3,6
Electrical machinery	2,14	107,2	102,4	103,3	105,1	96,6	-8,1
Radio, television and communication apparatus and professional equipment	1,06	95,4	93,5	96,9	93,3	94,0	0,8
Radio, television and communication apparatus	0,03	93,3	93,5	92,5	93,5	91,8	-1,8
Professional equipment	1,03	95,6	93,5	97,2	93,3	94,2	1,0
Motor vehicles, parts and accessories and other transport equipment	8,72	105,5	104,6	111,7	112,6	97,1	-13,8
Motor vehicles	2,62	100,2	104,0	113,7	111,2	109,8	-1,3
Bodies for motor vehicles, trailers and semi-trailers	0,75	112,9	108,7	113,8	107,4	115,1	7,2
Parts and accessories	4,03	112,9	109,6	116,3	120,6	86,4	-28,4
Other transport equipment	1,32	89,5	88,1	92,3	94,0	94,8	0,9
Furniture and other manufacturing	4,17	85,7	87,5	88,1	88,8	91,6	3,2
Furniture	0,69	90,9	96,0	94,7	91,2	96,4	5,7
Other manufacturing groups	3,48	84,7	85,8	86,8	88,3	90,6	2,6
Total	100	93,0	92,8	92,8	93,9	92,3	-1,7

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	272 232
Jun	198 191	208 167	216 629	179 335	230 146	253 134	275 647
Jul	189 719	211 387	220 618	193 289	199 186	247 382	270 077
Aug	201 775	218 759	229 429	199 602	221 163	258 747	288 300
Sep	203 735	222 257	220 821	214 935	233 199	275 555	292 691
Oct	213 493	240 466	240 720	235 300	231 408	267 185	299 050
Nov	231 283	244 716	238 778	239 432	259 583	288 469	316 395
Dec	188 321	197 482	191 072	197 868	218 714	238 243	260 968
Total	2 327 589	2 487 172	2 582 069	2 296 784	2 663 839	3 003 902	3 299 851

¹ The latest three months are preliminary.

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	8,9	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	11,4	10,1
Sep	9,1	-0,6	-2,7	8,5	18,2	6,2	9,7
Oct	12,6	0,1	-2,3	-1,7	15,5	11,9	9,9
Nov	5,8	-2,4	0,3	8,4	11,1	9,7	9,9
Dec	4,9	-3,2	3,6	10,5	8,9	9,5	9,9
Total	6,9	3,8	-11,0	16,0	12,8	9,9	

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	212 217	212 133	241 649	261 629	2,9	-0,7	3,6	0,6
Feb	216 238	220 801	246 304	267 206	1,9	4,1	1,9	2,1
Mar	198 730	230 656	249 483	277 214	-8,1	4,5	1,3	3,7
Apr	104 973	229 869	240 191	276 549	-47,2	-0,3	-3,7	-0,2
May	147 363	226 331	251 142	269 621	40,4	-1,5	4,6	-2,5
Jun	175 668	225 143	248 171	268 066	19,2	-0,5	-1,2	-0,6
Jul	189 560	198 666	249 226	273 961	7,9	-11,8	0,4	2,2
Aug	197 672	217 537	251 933	280 626	4,3	9,5	1,1	2,4
Sep	205 720	223 114	261 491	280 285	4,1	2,6	3,8	-0,1
Oct	214 176	214 731	251 007	278 565	4,1	-3,8	-4,0	-0,6
Nov	214 575	230 720	256 523	283 284	0,2	7,4	2,2	1,7
Dec	213 532	233 261	260 063	287 093	-0,5	1,1	1,4	1,3

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

Manufacturing division and major group	Jul-23	Aug-23	Sep-23	¹ Oct-23	¹ Nov-23	¹ Dec-23
Food and beverages	59 457	63 079	65 944	66 442	70 531	69 846
Meat, fish, fruit, etc.	18 968	19 472	19 864	20 788	21 454	20 525
Dairy products	5 544	5 882	5 936	6 421	6 318	5 708
Grain mill products	11 832	11 768	11 638	11 881	11 829	10 809
Other food products	9 919	11 185	10 344	11 940	13 563	10 927
Beverages	13 194	14 771	18 161	15 412	17 367	21 876
Textiles, clothing, leather and footwear	6 476	6 542	6 881	7 552	7 926	5 309
Textiles	950	1 041	1 051	1 124	1 115	596
Other textile products	1 751	1 752	2 141	2 227	2 323	1 630
Knitted, crocheted articles	238	283	257	261	271	174
Wearing apparel	2 069	1 956	1 978	2 401	2 554	1 734
Leather and leather products	540	516	549	615	649	366
Footwear	927	994	904	925	1 014	809
Wood and wood products, paper, publishing and printing	17 985	19 193	19 929	19 803	22 467	18 244
Sawmilling and planing of wood	1 533	1 647	1 587	1 414	1 522	1 245
Products of wood	2 394	2 420	2 523	2 561	2 573	1 945
Paper and paper products	9 274	9 223	10 247	9 917	11 683	10 840
Publishing	1 833	2 504	2 101	2 140	2 108	1 380
Printing, recorded media	2 951	3 399	3 472	3 772	4 580	2 835
Petroleum, chemical products, rubber and plastic products	52 752	62 513	64 466	61 027	63 966	54 152
Coke, petroleum products and nuclear fuel	18 007	23 194	23 362	24 714	23 785	24 360
Basic chemicals	9 555	12 611	12 911	9 761	12 291	8 860
Other chemical products	14 570	15 671	18 013	14 432	15 473	12 850
Rubber products	2 174	2 264	1 968	2 097	2 305	1 254
Plastic products	8 446	8 773	8 211	10 023	10 112	6 828
Glass and non-metallic mineral products	7 601	7 977	7 785	8 672	9 319	6 866
Glass and glass products	1 358	1 512	1 505	1 795	1 947	1 913
Non-metallic mineral products	6 243	6 465	6 280	6 877	7 373	4 953
Basic iron and steel, non-ferrous metal products, metal products and machinery	57 599	61 341	59 076	61 216	63 484	51 072
Basic iron and steel products	13 565	14 283	12 297	13 733	13 353	12 864
Non-ferrous metal products	14 354	14 171	15 655	16 056	16 447	15 632
Structural metal products	4 358	5 013	4 516	4 990	5 260	3 559
Other fabricated metal products	9 565	10 272	9 099	10 022	10 804	6 309
General purpose machinery	5 582	6 549	6 501	5 852	6 237	4 610
Special purpose machinery	8 739	9 574	9 483	9 207	9 968	6 945
Household appliances	1 436	1 479	1 524	1 356	1 414	1 153
Electrical machinery	7 898	7 114	7 468	7 541	8 370	5 454
Radio, television and communication apparatus and professional equipment	2 228	2 419	2 641	2 930	3 021	2 925
Radio, television and communication apparatus	1 050	1 183	1 345	1 521	1 565	1 649
Professional equipment	1 178	1 236	1 296	1 409	1 455	1 277
Motor vehicles, parts and accessories and other transport equipment	47 035	47 548	47 613	52 587	55 207	36 307
Motor vehicles	29 673	28 431	29 437	33 130	34 377	22 579
Bodies for motor vehicles, trailers and semi-trailers	1 792	1 947	1 915	1 957	2 123	1 386
Parts and accessories	13 052	14 469	13 134	14 256	14 979	9 317
Other transport equipment	2 518	2 701	3 127	3 244	3 728	3 025
Furniture and other manufacturing	11 046	10 572	10 888	11 279	12 103	10 793
Furniture	1 635	1 753	1 946	1 985	2 070	1 688
Other manufacturing groups	9 411	8 820	8 943	9 294	10 033	9 104
Total	270 077	288 300	292 691	299 050	316 395	260 968

¹ Preliminary.

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

Manufacturing division and major group	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Food and beverages	5,0	2,0	-0,7	2,7	0,9	5,5
Meat, fish, fruit, etc.	9,7	5,8	3,3	9,5	-1,1	3,3
Dairy products	17,6	13,4	6,4	2,1	1,3	-3,2
Grain mill products	10,9	8,6	5,8	2,4	-1,5	5,2
Other food products	-6,5	-9,8	-10,7	-2,5	1,4	2,0
Beverages	-1,2	-1,6	-4,5	-0,9	4,6	12,6
Textiles, clothing, leather and footwear	12,2	8,2	6,2	7,9	6,6	-1,0
Textiles	14,5	18,0	13,4	18,4	12,1	-8,6
Other textile products	5,9	2,8	12,0	6,0	9,2	-1,0
Knitted, crocheted articles	13,9	22,0	-3,0	7,4	10,2	4,8
Wearing apparel	25,2	7,6	2,7	6,9	3,2	2,1
Leather and leather products	-10,6	-2,3	-10,7	4,6	2,5	-14,3
Footwear	12,5	12,7	8,0	5,6	5,7	4,8
Wood and wood products, paper, publishing and printing	18,3	11,6	0,6	11,0	18,1	9,0
Sawmilling and planing of wood	9,7	14,1	16,7	6,6	8,1	8,2
Products of wood	14,7	13,0	12,4	11,3	7,3	25,3
Paper and paper products	25,2	9,9	-4,3	11,8	27,2	11,9
Publishing	33,4	28,0	-4,7	12,2	10,8	-11,1
Printing, recorded media	0,5	4,4	5,4	9,8	10,6	1,6
Petroleum, chemical products, rubber and plastic products	9,9	20,8	18,0	10,1	8,8	11,4
Coke, petroleum products and nuclear fuel	36,9	59,2	51,3	40,8	49,2	56,3
Basic chemicals	-13,6	9,0	7,1	-13,5	-6,0	-13,6
Other chemical products	9,0	8,8	16,4	-2,4	-9,9	-8,1
Rubber products	25,7	21,4	-0,5	9,4	8,9	-26,8
Plastic products	-2,7	-6,4	-15,0	1,1	-3,5	-3,4
Glass and non-metallic mineral products	6,2	3,7	-2,9	4,5	10,9	9,0
Glass and glass products	3,5	-7,1	-7,9	10,3	8,0	28,0
Non-metallic mineral products	6,8	6,5	-1,6	3,1	11,7	3,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	-0,1	5,1	0,5	12,3	3,3	8,0
Basic iron and steel products	-2,1	4,4	-7,6	22,8	6,5	19,2
Non-ferrous metal products	-18,3	-14,1	-7,3	2,7	-12,6	0,2
Structural metal products	16,7	15,5	-3,8	16,2	10,4	4,9
Other fabricated metal products	10,7	9,5	-5,2	12,7	9,5	5,6
General purpose machinery	0,5	12,7	7,1	-1,2	-1,3	6,7
Special purpose machinery	24,6	30,0	37,3	25,7	28,8	14,7
Household appliances	14,3	14,3	13,5	5,6	0,4	1,8
Electrical machinery	30,9	16,9	13,3	16,0	25,1	0,7
Radio, television and communication apparatus and professional equipment	-2,6	-2,0	-0,1	19,1	11,8	7,7
Radio, television and communication apparatus	7,6	8,6	10,0	37,2	33,5	25,4
Professional equipment	-10,2	-10,4	-8,8	4,2	-4,8	-8,9
Motor vehicles, parts and accessories and other transport equipment	21,0	24,9	12,7	29,0	26,1	21,0
Motor vehicles	17,6	22,2	17,9	34,2	34,8	25,4
Bodies for motor vehicles, trailers and semi-trailers	-3,5	7,5	1,2	-1,0	4,9	12,7
Parts and accessories	40,9	39,9	9,6	31,9	20,5	19,4
Other transport equipment	-0,5	2,5	-8,4	-1,5	-3,0	2,1
Furniture and other manufacturing	12,7	14,6	9,9	16,4	18,1	12,0
Furniture	18,7	23,5	26,5	34,9	28,3	30,0
Other manufacturing groups	11,8	13,0	6,9	13,1	16,1	9,1
Total	9,2	11,4	6,2	11,9	9,7	9,5

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	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Food and beverages	1,1	0,5	-0,2	0,7	0,2	1,5
Meat, fish, fruit, etc.	0,7	0,4	0,2	0,7	-0,1	0,3
Dairy products	0,3	0,3	0,1	0,0	0,0	-0,1
Grain mill products	0,5	0,4	0,2	0,1	-0,1	0,2
Other food products	-0,3	-0,5	-0,5	-0,1	0,1	0,1
Beverages	-0,1	-0,1	-0,3	-0,1	0,3	1,0
Textiles, clothing, leather and footwear	0,3	0,2	0,1	0,2	0,2	0,0
Textiles	0,0	0,1	0,0	0,1	0,0	0,0
Other textile products	0,0	0,0	0,1	0,0	0,1	0,0
Knitted, crocheted articles	0,0	0,0	0,0	0,0	0,0	0,0
Wearing apparel	0,2	0,1	0,0	0,1	0,0	0,0
Leather and leather products	0,0	0,0	0,0	0,0	0,0	0,0
Footwear	0,0	0,0	0,0	0,0	0,0	0,0
Wood and wood products, paper, publishing and printing	1,1	0,8	0,0	0,7	1,2	0,6
Sawmilling and planing of wood	0,1	0,1	0,1	0,0	0,0	0,0
Products of wood	0,1	0,1	0,1	0,1	0,1	0,2
Paper and paper products	0,8	0,3	-0,2	0,4	0,9	0,5
Publishing	0,2	0,2	0,0	0,1	0,1	-0,1
Printing, recorded media	0,0	0,1	0,1	0,1	0,2	0,0
Petroleum, chemical products, rubber and plastic products	1,9	4,2	3,6	2,1	1,8	2,3
Coke, petroleum products and nuclear fuel	2,0	3,3	2,9	2,7	2,7	3,7
Basic chemicals	-0,6	0,4	0,3	-0,6	-0,3	-0,6
Other chemical products	0,5	0,5	0,9	-0,1	-0,6	-0,5
Rubber products	0,2	0,2	0,0	0,1	0,1	-0,2
Plastic products	-0,1	-0,2	-0,5	0,0	-0,1	-0,1
Glass and non-metallic mineral products	0,2	0,1	-0,1	0,1	0,3	0,2
Glass and glass products	0,0	0,0	0,0	0,1	0,0	0,2
Non-metallic mineral products	0,2	0,2	0,0	0,1	0,3	0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	0,0	1,2	0,1	2,5	0,7	1,6
Basic iron and steel products	-0,1	0,2	-0,4	1,0	0,3	0,9
Non-ferrous metal products	-1,3	-0,9	-0,4	0,2	-0,8	0,0
Structural metal products	0,3	0,3	-0,1	0,3	0,2	0,1
Other fabricated metal products	0,4	0,3	-0,2	0,4	0,3	0,1
General purpose machinery	0,0	0,3	0,2	0,0	0,0	0,1
Special purpose machinery	0,7	0,9	0,9	0,7	0,8	0,4
Household appliances	0,1	0,1	0,1	0,0	0,0	0,0
Electrical machinery	0,8	0,4	0,3	0,4	0,6	0,0
Radio, television and communication apparatus and professional equipment	0,0	0,0	0,0	0,2	0,1	0,1
Radio, television and communication apparatus	0,0	0,0	0,0	0,2	0,1	0,1
Professional equipment	-0,1	-0,1	0,0	0,0	0,0	-0,1
Motor vehicles, parts and accessories and other transport equipment	3,3	3,7	1,9	4,4	4,0	2,6
Motor vehicles	1,8	2,0	1,6	3,2	3,1	1,9
Bodies for motor vehicles, trailers and semi-trailers	0,0	0,1	0,0	0,0	0,0	0,1
Parts and accessories	1,5	1,6	0,4	1,3	0,9	0,6
Other transport equipment	0,0	0,0	-0,1	0,0	0,0	0,0
Furniture and other manufacturing	0,5	0,5	0,4	0,6	0,6	0,5
Furniture	0,1	0,1	0,1	0,2	0,2	0,2
Other manufacturing groups	0,4	0,4	0,2	0,4	0,5	0,3
Total	9,2	11,4	6,2	11,9	9,7	9,5

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

Manufacturing division and major group	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Month-on-month % change
Food and beverages	62 273	63 370	61 801	63 292	64 031	1,2
Meat, fish, fruit, etc.	19 126	19 290	19 615	19 462	19 123	-1,7
Dairy products	5 824	5 750	5 709	5 678	5 485	-3,4
Grain mill products	11 607	11 690	11 204	11 026	11 018	-0,1
Other food products	10 064	10 539	10 851	11 746	11 666	-0,7
Beverages	15 652	16 101	14 421	15 379	16 738	8,8
Textiles, clothing, leather and footwear	6 276	6 361	6 400	6 388	6 207	-2,8
Textiles	988	968	965	950	883	-7,1
Other textile products	1 819	1 949	1 876	1 904	1 942	2,0
Knitted, crocheted articles	239	231	230	235	229	-2,6
Wearing apparel	1 851	1 880	1 989	1 929	1 888	-2,1
Leather and leather products	531	500	542	565	461	-18,4
Footwear	848	833	799	805	803	-0,2
Wood and wood products, paper, publishing and printing	18 259	17 638	18 452	19 002	18 963	-0,2
Sawmilling and planing of wood	1 482	1 497	1 391	1 456	1 517	4,2
Products of wood	2 235	2 281	2 247	2 260	2 536	12,2
Paper and paper products	9 307	9 002	9 835	10 330	10 353	0,2
Publishing	2 079	1 691	1 748	1 713	1 467	-14,4
Printing, recorded media	3 156	3 167	3 230	3 242	3 091	-4,7
Petroleum, chemical products, rubber and plastic products	60 468	61 499	56 650	57 039	57 056	0,0
Coke, petroleum products and nuclear fuel	22 431	23 359	23 566	22 887	23 651	3,3
Basic chemicals	12 120	12 007	9 033	10 221	9 795	-4,2
Other chemical products	15 426	16 649	13 566	13 528	13 684	1,2
Rubber products	2 155	1 888	1 936	2 062	1 645	-20,2
Plastic products	8 335	7 597	8 549	8 341	8 281	-0,7
Glass and non-metallic mineral products	7 426	7 337	7 569	7 971	8 339	4,6
Glass and glass products	1 445	1 446	1 561	1 616	1 857	14,9
Non-metallic mineral products	5 980	5 891	6 007	6 355	6 482	2,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	59 918	57 472	58 835	58 130	60 755	4,5
Basic iron and steel products	14 299	12 311	13 697	13 033	15 513	19,0
Non-ferrous metal products	15 007	16 019	15 675	15 485	16 886	9,0
Structural metal products	4 607	4 142	4 624	4 519	4 561	0,9
Other fabricated metal products	9 421	8 551	9 162	9 235	9 030	-2,2
General purpose machinery	6 031	5 856	5 600	5 722	5 529	-3,4
Special purpose machinery	9 093	9 123	8 705	8 834	7 879	-10,8
Household appliances	1 458	1 470	1 371	1 301	1 356	4,2
Electrical machinery	6 886	7 042	7 030	7 291	6 632	-9,0
Radio, television and communication apparatus and professional equipment	2 445	2 474	2 584	2 514	2 529	0,6
Radio, television and communication apparatus	1 190	1 218	1 289	1 230	1 281	4,1
Professional equipment	1 255	1 255	1 295	1 284	1 247	-2,9
Motor vehicles, parts and accessories and other transport equipment	46 153	46 526	48 650	50 868	51 827	1,9
Motor vehicles	27 598	28 553	29 863	32 687	32 746	0,2
Bodies for motor vehicles, trailers and semi-trailers	1 809	1 774	1 770	1 819	1 925	5,8
Parts and accessories	13 862	13 347	14 002	13 304	14 070	5,8
Other transport equipment	2 883	2 852	3 016	3 057	3 087	1,0
Furniture and other manufacturing	10 523	10 566	10 594	10 788	10 755	-0,3
Furniture	1 695	1 695	1 682	1 634	1 728	5,8
Other manufacturing groups	8 828	8 871	8 912	9 155	9 027	-1,4
Total	280 626	280 285	278 565	283 284	287 093	1,3

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 statistical business register (SBR), 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 SBR, 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 65,5% for December 2023. The improved collection rate for November 2023 was 68,4%.</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 statistical business register (SBR). 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 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 groups 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 groups 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, quality changes, changes in relative prices, and changes in customer preferences. New weights are calculated and implemented annually.

Table E – Weights by division and major group

Manufacturing division and major group	Weights used for manufacturing indices by period			
	2017 (based on value added for 2015 – 2017)	2018 (based on value added for 2016 – 2018)	2019 (based on value added for 2017 – 2019)	2020 – 2023 (based on value added for 2018 – 2020)
Food and beverages	19,76	20,18	20,75	21,44
Meat, fish, fruit, etc.	2,74	2,95	3,27	3,42
Dairy products	1,32	1,34	1,39	1,47
Grain mill products	1,81	1,69	1,68	1,85
Other food products	7,53	7,76	7,75	7,81
Beverages	6,36	6,44	6,66	6,89
Textiles, clothing, leather and footwear	4,44	4,38	4,26	4,07
Textiles	1,11	1,10	1,08	1,04
Other textile products	0,67	0,65	0,61	0,58
Knitted, crocheted articles	0,06	0,06	0,06	0,06
Wearing apparel	2,07	2,04	1,98	1,88
Leather and leather products	0,28	0,28	0,27	0,26
Footwear	0,25	0,25	0,25	0,25
Wood and wood products, paper, publishing and printing	10,76	10,77	10,63	10,48
Sawmilling and planing of wood	0,93	0,93	0,87	0,86
Products of wood	0,86	0,87	0,88	0,90
Paper and paper products	5,33	5,39	5,34	5,26
Publishing	2,28	2,24	2,18	2,10
Printing, recorded media	1,36	1,34	1,35	1,36
Petroleum, chemical products, rubber and plastic products	25,25	25,38	24,95	24,86
Coke, petroleum products and nuclear fuel	11,72	12,02	11,85	11,92
Basic chemicals	3,82	3,69	3,50	3,39
Other chemical products	6,42	6,54	6,64	6,82
Rubber products	0,91	0,84	0,76	0,68
Plastic products	2,38	2,29	2,20	2,05
Glass and non-metallic mineral products	3,66	3,42	3,24	3,10
Glass and glass products	0,57	0,51	0,49	0,48
Non-metallic mineral products	3,09	2,91	2,75	2,62
Basic iron and steel, non-ferrous metal products, metal products and machinery	19,55	19,47	19,73	19,96
Basic iron and steel products	2,77	2,82	2,92	2,92
Non-ferrous metal products (including precious metals)	3,48	3,26	3,32	3,54
Structural metal products	1,97	1,98	1,99	2,01
Other fabricated metal products	3,32	3,35	3,53	3,65
General purpose machinery	3,36	3,46	3,42	3,45
Special purpose machinery	3,93	3,87	3,85	3,73
Household appliances	0,71	0,73	0,70	0,66
Electrical machinery	2,42	2,31	2,21	2,14
Radio, television and communication apparatus and professional equipment	1,34	1,21	1,07	1,06
Radio, television and communication apparatus	0,29	0,13	0,04	0,03
Professional equipment	1,05	1,08	1,03	1,03
Motor vehicles, parts and accessories and other transport equipment	8,56	8,66	8,89	8,72
Motor vehicles	2,61	2,65	2,78	2,62
Bodies for motor vehicles, trailers and semi-trailers	0,68	0,71	0,73	0,75
Parts and accessories	3,91	3,93	3,97	4,03
Other transport equipment	1,36	1,37	1,40	1,32
Furniture and other manufacturing	4,26	4,21	4,27	4,17
Furniture	0,91	0,86	0,78	0,69
Other manufacturing groups	3,35	3,35	3,49	3,48
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 – December 2023

	Lower limit (R million)	Estimate (R million)	Upper limit (R million)	Relative standard error (RSE) %
Total sales	256 494	260 968	265 442	0,9

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, assembly or other services rendered.

Symbols and abbreviations

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

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