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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for December 2008

Estimates	December 2008	% change between December 2007 and December 2008	% change between October to December 2007 and October to December 2008	% change between January to December 2007 and January to December 2008
Physical volume of manufacturing production index (2000=100)	101,8	-7,0	-4,9	1,0
Total value of sales of manufactured products (R million)	92 509	5,7	9,8	18,5

Seasonally adjusted estimates	December 2008	% change between November and December 2008	% change between July to September 2008 and October to December 2008
Physical volume of manufacturing production index (2000=100)	114,2	-4,0	-5,8
Total value of sales of manufactured products (R million)	103 376	-2,8	-7,4

Key findings regarding manufacturing production and sales for the year 2008

Manufacturing production records lowest annual growth in 5 years

Manufacturing production for 2008 reflected an increase of 1,0% compared with 2007, lower than the 4,1% annual growth reported in 2007. Higher production was reported by seven of the ten manufacturing divisions in 2008.

The major contributor to the annual increase of 1,0% was the petroleum, chemical products, rubber and plastic products division (contributing 1,6 percentage points), followed by the food and beverages division (contributing 0,6 of a percentage point), the electrical machinery division (contributing 0,3 of a percentage point) and the wood and wood products, paper, publishing and printing division (contributing 0,2 of a percentage point). However, these increases were partially counteracted by decreases reported by the basic iron and steel, non-ferrous metal products, metal products and machinery division (contributing -1,1 percentage points) and the motor vehicles, parts and accessories and other transport equipment division (contributing -0,5 of a percentage point) (see Table 10).

Sales of manufactured products increase

The total value of sales of manufactured products at current prices for 2008 increased by 18,5% (+R210 102 million) compared with 2007. Increases in manufacturing sales were reported by all ten manufacturing divisions.

The largest contributing increases were reported by the petroleum, chemical products, rubber and plastic products division (+33,0% or +R78 948 million), the food and beverages division (+21,3% or +R40 649 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (+19,4% or +R48 492 million) (see Table 10).

Key findings regarding manufacturing production for December 2008

Manufacturing production decreased sharply

The estimated seasonally adjusted manufacturing production for the fourth quarter of 2008 decreased by 5,8% compared with the third quarter of 2008. Lower production levels were reported by eight of the ten manufacturing divisions. The decrease was driven mainly by lower production in three divisions, namely basic iron and steel, non-ferrous metal products, metal products and machinery (contributing -2,6 percentage points), petroleum, chemical products, rubber and plastic products (contributing -1,5 percentage points) and motor vehicles, parts and accessories and other transport equipment (contributing -1,3 percentage points) divisions (see Table B).

Manufacturing production decreased by 4,0% month-on-month (seasonally adjusted) in December 2008, reaching the lowest seasonally adjusted level since November 2005. The biggest contributors to this 4,0% decrease were the basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,8 percentage points), the motor vehicles, parts and accessories and other transport equipment division (-1,2 percentage points) and the petroleum, chemical products, rubber and plastic products division (-1,2 percentage points).

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2002 and December 2008.

Figure 1 – Index of the physical volume of manufacturing production

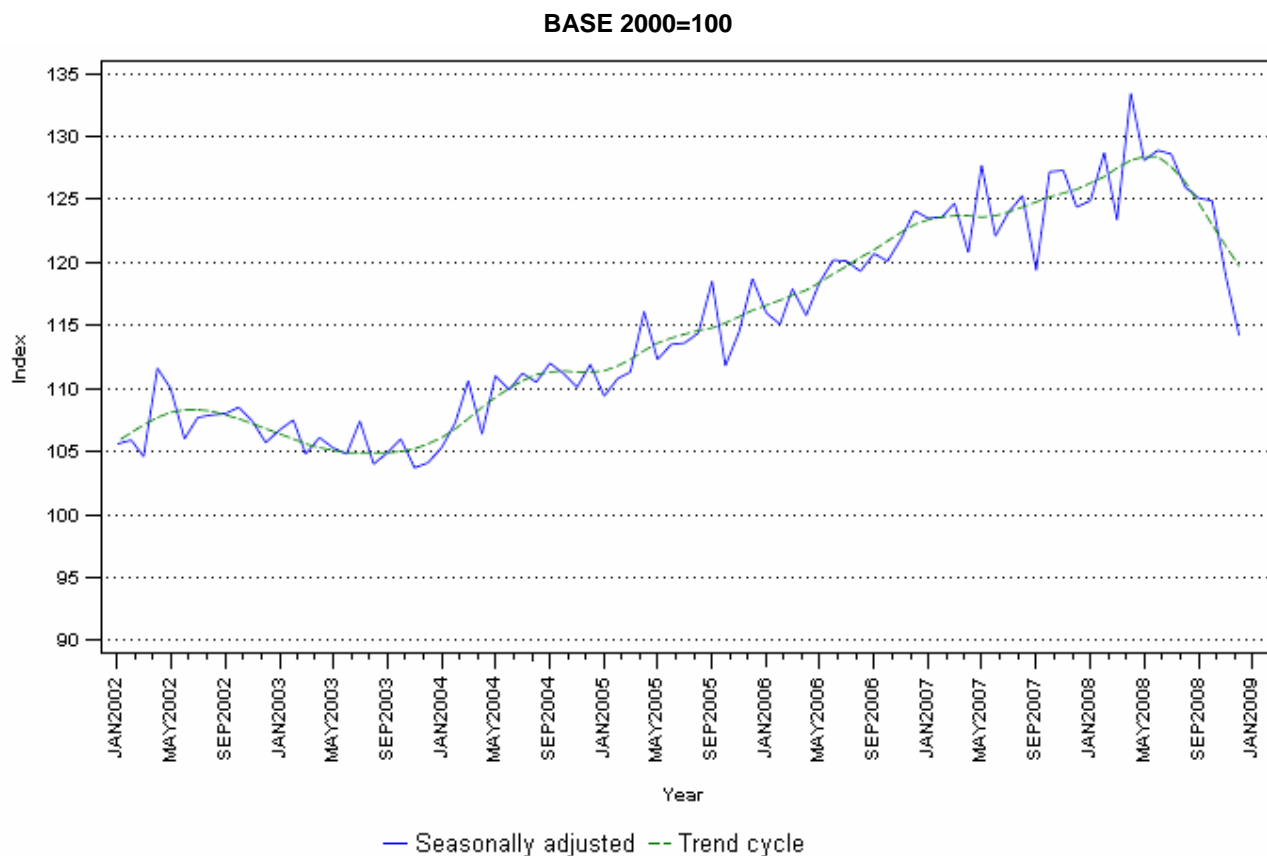


Table B – Contribution of manufacturing divisions and major groups to the total of seasonally adjusted manufacturing production

(Base 2000=100)

Manufacturing divisions and major groups	Percentage contribution to total manufacturing production using the weights according to large sample survey of the manufacturing industry, 2001	Average seasonally adjusted production index for July to September 2008	Average seasonally adjusted production index for October to December 2008	Quarterly percentage change of October 2008 to December 2008 compared with the preceding three months	Contribution (percentage points) to the seasonally adjusted quarterly percentage change in total manufacturing production 1/
Food and beverages	16,4	128,4	131,6	2,5	0,4
-Food and food products	12,1	118,9	121,1	1,9	0,2
-Beverages	4,3	155,0	161,0	3,9	0,2
Textiles, clothing, leather and footwear	5,4	99,6	99,1	-0,5	0,0
-Textiles	2,4	92,7	90,3	-2,6	-0,1
-Wearing apparel	2,3	108,4	111,9	3,2	0,1
-Leather and leather products	0,3	103,0	85,8	-16,7	-0,1
-Footwear	0,4	89,0	90,5	1,7	0,0
Wood and wood products, paper, publishing and printing	11,0	119,9	118,2	-1,4	-0,2
-Wood and products of wood	1,7	116,5	114,7	-1,5	0,0
-Paper and paper products	4,8	128,7	128,1	-0,5	0,0
-Publishing and printing	4,6	111,8	109,1	-2,4	-0,1
Petroleum, chemical products, rubber and plastic products	22,5	135,9	127,0	-6,5	-1,5
-Coke, petroleum products and nuclear fuel	9,1	99,3	86,5	-12,9	-1,2
-Basic chemicals	4,0	179,1	165,6	-7,5	-0,3
-Other chemical products	5,4	153,0	151,1	-1,2	-0,1
-Rubber products	1,1	85,7	78,0	-9,0	-0,1
-Plastic products	3,0	178,8	175,2	-2,0	-0,1
Glass and non-metallic mineral products	3,9	133,0	135,1	1,6	0,1
-Glass and glass products	1,1	165,5	181,8	9,8	0,1
-Non-metallic mineral products	2,9	120,9	117,7	-2,6	-0,1
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	122,7	108,4	-11,7	-2,6
-Basic iron and steel products	5,5	110,0	64,9	-41,0	-2,3
-Basic precious, non-ferrous metal products	4,7	111,2	109,3	-1,7	-0,1
-Fabricated metal products	5,5	142,6	137,1	-3,9	-0,2
-Machinery and equipment	6,7	124,8	121,1	-3,0	-0,2
Electrical machinery	2,7	124,4	111,2	-10,6	-0,3
Radio, television and communication apparatus and professional equipment	1,3	120,6	119,7	-0,7	0,0
-Radio, television and communication apparatus	0,7	108,9	106,1	-2,6	0,0
-Professional equipment	0,6	132,5	133,5	0,8	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	134,7	114,2	-15,2	-1,3
-Motor vehicles, trailers, parts and accessories	7,6	139,2	114,2	-18,0	-1,4
-Other transport equipment	1,0	100,5	114,7	14,1	0,1
Furniture and other manufacturing division	5,8	123,8	118,4	-4,4	-0,3
-Furniture	1,6	141,7	138,8	-2,0	0,0
-Other manufacturing groups	4,2	117,0	110,6	-5,5	-0,2
Total	100,0	126,6	119,3	-5,8	-5,8

1/ The contribution is calculated by multiplying the quarterly percentage change of each manufacturing group or division with its corresponding weight in the base year, divided by 100.

Seasonally adjusted sales of manufactured products decrease

The estimated total value of sales of manufactured products at current prices for the fourth quarter of 2008 decreased by 7,4% (-R26 109 million), after seasonal adjustment, compared with the third quarter of 2008. Lower manufacturing sales were reported by six of the ten manufacturing divisions during this period (see Table C).

Substantial decreases were reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (-16,8% or -R13 585 million), the petroleum, chemical products, rubber and plastic products division (-10,3% or -R8 845 million) and the motor vehicles, parts and accessories and other transport equipment division (-5,9% or -R2 779 million) during this period (see Table C).

Table C – Contribution of the manufacturing divisions and major groups to the total value of seasonally adjusted sales of manufactured products at current prices

Manufacturing divisions and major groups	Seasonally adjusted sales July to September 2008	Seasonally adjusted sales October to December 2008	Percentage change between July to September 2008 and October to December 2008	Difference in seasonally adjusted sales of manufacturing divisions between July to September 2008 and October to December 2008
	R '000	R '000		R '000
Food and beverages	59 520 760	60 921 978	2,4	1 401 218
-Food and food products	45 123 370	45 845 140	1,6	721 770
-Beverages	14 397 391	15 076 839	4,7	679 448
Textiles, clothing, leather and footwear	10 334 125	10 408 396	0,7	74 271
-Textiles	4 187 419	4 166 856	-0,5	-20 563
-Wearing apparel	4 173 113	4 362 136	4,5	189 023
-Leather and leather products	1 089 263	964 040	-11,5	-125 223
-Footwear	884 329	915 365	3,5	31 036
Wood and wood products, paper, publishing and printing	28 250 404	28 635 139	1,4	384 735
-Wood and products of wood	6 558 376	6 535 753	-0,3	-22 623
-Paper and paper products	12 488 006	12 858 835	3,0	370 829
-Publishing and printing	9 204 020	9 240 551	0,4	36 531
Petroleum, chemicals products, rubber and plastic products	85 838 626	76 993 579	-10,3	-8 845 047
-Coke, petroleum products and nuclear fuel	34 840 399	26 517 601	-23,9	-8 322 798
-Basic chemicals	20 584 293	19 608 247	-4,7	-976 046
-Other chemical products	16 407 644	16 751 560	2,1	343 916
-Rubber products	3 061 876	2 930 667	-4,3	-131 209
-Plastic products	10 944 413	11 185 504	2,2	241 091
Glass and non-metallic mineral products	9 057 107	9 033 597	-0,3	-23 510
-Glass and glass products	1 603 895	1 748 910	9,0	145 015
-Non-metallic mineral products	7 453 211	7 284 687	-2,3	-168 524
Basic iron and steel, non-ferrous metal products, metal products and machinery	80 708 720	67 123 967	-16,8	-13 584 753
-Basic iron and steel products	36 499 906	23 832 995	-34,7	-12 666 911
-Basic precious, non-ferrous metal products	10 886 710	10 532 800	-3,3	-353 910
-Fabricated metal products	17 995 286	17 800 672	-1,1	-194 614
-Machinery and equipment	15 326 818	14 957 499	-2,4	-369 319
Electrical machinery	10 335 987	9 490 458	-8,2	-845 529
Radio, television and communication apparatus and professional equipment	3 512 627	3 512 672	0,0	45
-Radio, television and communication apparatus	1 615 382	1 629 208	0,9	13 826
-Professional equipment	1 897 245	1 883 464	-0,7	-13 781
Motor vehicles, parts and accessories and other transport equipment	47 042 367	44 263 096	-5,9	-2 779 271
-Motor vehicles, trailers, parts and accessories	43 408 738	40 074 694	-7,7	-3 334 044
-Other transport equipment	3 633 628	4 188 400	15,3	554 772
Furniture and other manufacturing division	16 187 809	14 296 917	-11,7	-1 890 892
-Furniture	3 474 631	3 508 827	1,0	34 196
-Other manufacturing groups	12 713 179	10 788 090	-15,1	-1 925 089
Total	350 788 528	324 679 801	-7,4	-26 108 727

Sales of manufactured products at current prices increase

The value of sales of manufactured products at current prices for the fourth quarter of 2008 was 9,8% (R29 901 million) higher than for the fourth quarter of 2007. Higher manufacturing sales were reported by eight of the ten manufacturing divisions during this period (see Table D).

The major contributors to the increase of 9,8% in sales of manufactured products at current prices for the fourth quarter of 2008 compared with the fourth quarter of 2007 were the petroleum, chemical products, rubber and plastic products division (+4,1 percentage points or +R12 480 million), the food and beverages division (+3,6 percentage points or +R11 087 million) and the basic iron and steel, non-ferrous metal products, metal products and machinery division (+1,3 percentage points or +R4 080 million) (see Table D).

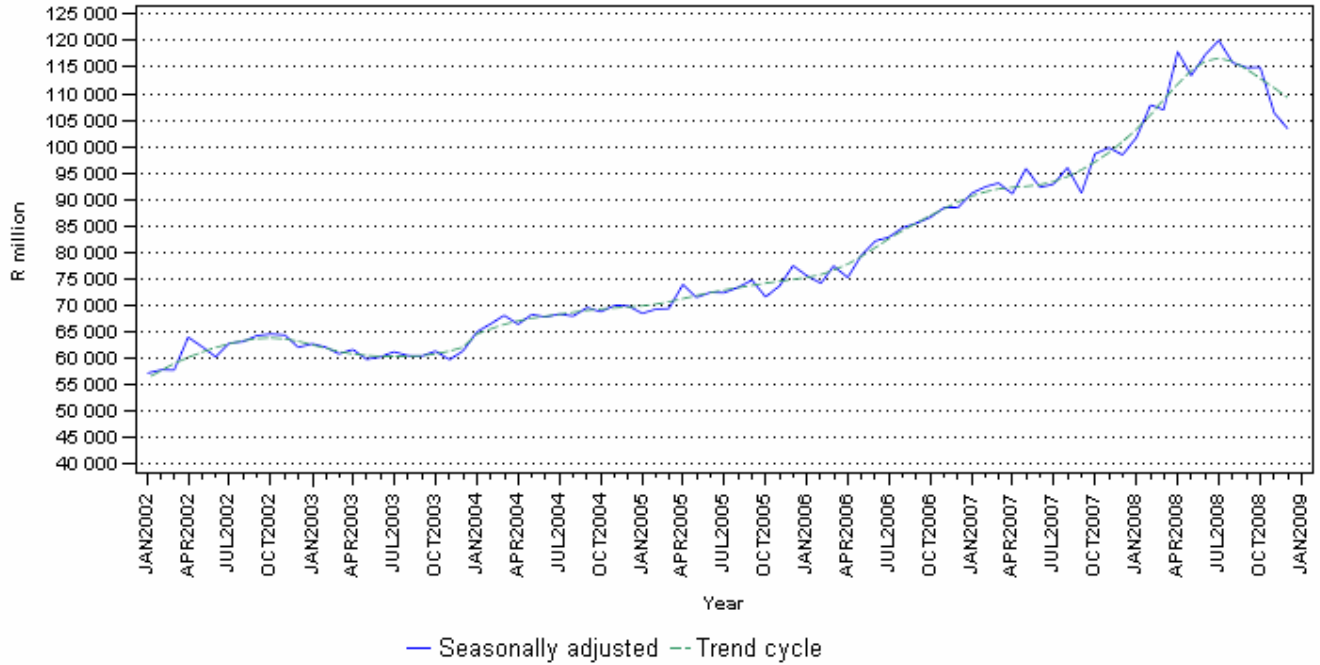
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products October to December 2007	Percentage change between October to December 2007 and October to December 2008	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between October to December 2007 and October to December 2008
				R '000
Food and beverages	18,0	20,1	3,6	11 087 221
-Food and food products	13,2	21,0	2,8	8 479 688
-Beverages	4,9	17,4	0,9	2 607 533
Textiles, clothing, leather and footwear	3,6	-1,1	0,0	-126 937
-Textiles	1,4	-2,5	0,0	-106 694
-Wearing apparel	1,5	0,7	0,0	31 230
-Leather and leather products	0,4	-12,4	0,0	-134 486
-Footwear	0,3	8,6	0,0	83 013
Wood and wood products, paper, publishing and printing	8,8	10,6	0,9	2 845 939
-Wood and products of wood	2,2	0,1	0,0	5 467
-Paper and paper products	3,5	22,9	0,8	2 449 114
-Publishing and printing	3,1	4,1	0,1	391 358
Petroleum, chemicals products, rubber and plastic products	21,9	18,6	4,1	12 479 552
-Coke, petroleum products and nuclear fuel	8,2	5,1	0,4	1 288 607
-Basic chemicals	4,7	43,0	2,0	6 196 297
-Other chemical products	4,9	19,4	1,0	2 901 410
-Rubber products	0,9	9,3	0,1	247 404
-Plastic products	3,3	18,5	0,6	1 845 834
Glass and non-metallic mineral products	2,8	7,7	0,2	663 536
-Glass and glass products	0,5	19,3	0,1	314 994
-Non-metallic mineral products	2,3	5,0	0,1	348 542
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,0	6,3	1,3	4 079 774
-Basic iron and steel products	7,8	-0,8	-0,1	-189 196
-Basic precious, non-ferrous metal products	3,2	11,8	0,4	1 160 254
-Fabricated metal products	5,0	18,9	0,9	2 870 678
-Machinery and equipment	5,0	1,6	0,1	238 038
Electrical machinery	2,9	10,8	0,3	948 171
Radio, television and communication apparatus and professional equipment	1,1	5,4	0,1	183 011
-Radio, television and communication apparatus	0,5	9,5	0,0	147 356
-Professional equipment	0,6	1,9	0,0	35 655
Motor vehicles, parts and accessories and other transport equipment	14,9	-5,0	-0,7	-2 292 512
-Motor vehicles, trailers, parts and accessories	13,9	-7,8	-1,1	-3 323 615
-Other transport equipment	1,0	33,6	0,3	1 031 103
Furniture and other manufacturing division	4,9	0,2	0,0	33 448
-Furniture	1,3	2,0	0,0	79 521
-Other manufacturing groups	3,6	-0,4	0,0	-46 073
Total	100,0	9,8	9,8	29 901 203

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing major group or division with the percentage contribution of the same major group or division during corresponding period in 2007, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2002 and December 2008.

Figure 2 – Total value of sales of manufactured products at current prices



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Detailed results: Tables

Table 1 – Index of the physical volume of manufacturing production: Total

Base 2000 = 100

Month	2002	2003	2004	2005	2006	2007	2008
Jan	93,7	94,4	93,1	96,2	101,7	107,6	108,8
Feb	103,6	104,3	103,6	106,3	110,1	118,2	122,8
Mar	108,2	108,4	114,1	114,9	121,4	128,3	126,9
Apr	104,4	100,0	100,3	109,2	109,2	113,9	125,9
May	110,3	105,7	111,6	112,8	118,9	128,1	128,7
Jun	106,7	105,3	110,5	114,3	121,4	123,7	130,7
Jul	108,8	108,7	113,0	115,5	122,2	126,1	130,6
Aug	109,8	106,3	113,7	118,2	123,8	130,1	130,6
Sep	111,4	108,7	116,0	122,9	125,5	123,9	129,7
Oct	119,6	116,7	122,5	123,2	132,6	140,3	1/ 137,9
Nov	119,8	114,9	122,3	127,1	135,4	141,1	1/ 132,1
Dec	92,7	91,5	99,0	104,6	109,3	109,5	1/ 101,8
Year	107,4	105,4	110,0	113,8	119,3	124,2	125,5

1/ Preliminary.

Table 2 – Annual percentage change in the index of the physical volume of manufacturing production: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	0,7	-1,4	3,3	5,7	5,8	1,1
Feb	-	0,7	-0,7	2,6	3,6	7,4	3,9
Mar	-	0,2	5,3	0,7	5,7	5,7	-1,1
Apr	-	-4,2	0,3	8,9	0,0	4,3	10,5
May	-	-4,2	5,6	1,1	5,4	7,7	0,5
Jun	-	-1,3	4,9	3,4	6,2	1,9	5,7
Jul	-	-0,1	4,0	2,2	5,8	3,2	3,6
Aug	-	-3,2	7,0	4,0	4,7	5,1	0,4
Sep	-	-2,4	6,7	5,9	2,1	-1,3	4,7
Oct	-	-2,4	5,0	0,6	7,6	5,8	-1,7
Nov	-	-4,1	6,4	3,9	6,5	4,2	-6,4
Dec	-	-1,3	8,2	5,7	4,5	0,2	-7,0
Year	-	-1,9	4,4	3,5	4,8	4,1	1,0

The percentage change is the change in the index of the physical volume of manufacturing production of the relevant year compared with the index of physical volume of manufacturing production of the previous year expressed as a percentage.

Table 3 – Seasonally adjusted index of the physical volume of manufacturing production: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	105,7	106,9	105,3	109,4	116,0	123,5	124,9
Feb	105,9	107,6	107,3	110,8	115,1	123,6	128,7
Mar	104,7	104,9	110,6	111,3	117,9	124,7	123,4
Apr	112,0	106,8	106,4	116,1	115,8	120,8	133,4
May	110,0	105,3	111,0	112,3	118,4	127,7	128,1
Jun	106,0	104,7	109,9	113,5	120,2	122,1	128,9
Jul	107,5	107,2	111,2	113,6	120,1	124,0	128,6
Aug	107,7	103,8	110,5	114,4	119,3	125,3	126,0
Sep	108,0	105,1	112,0	118,5	120,7	119,4	125,1
Oct	108,6	106,0	111,2	111,8	120,1	127,2	124,9
Nov	107,5	103,6	110,1	114,5	121,9	127,3	118,9
Dec	105,1	103,2	111,9	118,7	124,1	124,4	114,2

Table 4a – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2008	Indices			Seasonally adjusted indices		
			December 2007	1/ November 2008	1/ December 2008	December 2007	November 2008	December 2008
Food and beverages	16,4	129,3	125,0	139,7	135,8	120,9	129,2	130,9
-Meat, fish, fruit etc.	2,6	138,7	129,1	138,4	138,7	128,7	136,8	138,8
-Dairy products	1,1	114,6	119,1	121,3	129,7	108,1	113,6	118,1
-Grain mill products	1,5	134,0	123,9	139,5	138,6	125,4	136,4	140,2
-Other food products	6,8	112,6	95,9	122,4	96,2	108,1	108,1	108,9
-Beverages	4,3	152,0	170,3	172,6	197,4	138,1	159,4	160,9
Textiles, clothing, leather and footwear	5,4	101,6	78,3	114,7	75,6	102,2	97,1	98,8
-Textiles	1,2	73,5	45,9	78,4	45,1	73,0	70,4	71,8
-Other textile products	1,2	116,4	90,2	127,7	80,0	119,5	105,7	106,2
-Knitted, crocheted articles	0,3	87,0	53,5	95,9	62,9	78,7	85,4	92,4
-Wearing apparel	2,0	115,3	99,3	138,7	98,4	118,5	113,4	117,3
-Leather and leather products	0,3	101,3	76,1	92,1	63,9	97,2	88,0	81,6
-Footwear	0,4	88,6	60,9	102,4	63,8	84,3	89,4	88,7
Wood and wood products, paper, publishing and printing	11,0	119,1	105,1	132,6	104,1	116,2	117,4	115,1
-Sawmilling and planing of wood	0,7	107,6	73,6	112,6	63,7	103,1	101,8	90,0
-Products of wood	1,0	128,8	95,9	143,1	92,6	126,9	123,1	122,8
-Paper and paper products	4,8	126,6	110,2	136,4	119,6	117,7	124,5	127,5
-Publishing	2,4	113,7	120,9	128,6	100,3	121,6	111,7	100,7
-Printing, recorded media	2,1	107,5	90,4	130,3	92,4	105,9	110,4	108,5
Petroleum, chemical products, rubber and plastic products	22,5	132,8	116,5	141,7	111,5	125,7	128,0	121,3
-Coke, petroleum products and nuclear fuel	9,1	96,4	106,5	90,8	88,0	101,9	88,9	84,1
-Basic chemicals	4,0	173,6	137,1	186,7	133,6	148,2	166,8	145,0
-Other chemical products	5,4	149,7	114,4	171,1	131,3	129,5	150,1	149,0
-Rubber products	1,1	85,8	56,2	88,9	45,7	87,0	81,4	70,4
-Plastic products	3,0	177,7	146,7	205,1	143,4	176,8	174,2	173,0
Glass and non-metallic mineral products	3,9	137,5	112,6	154,2	109,0	136,0	135,0	131,0
-Glass and glass products	1,1	169,6	148,1	227,7	159,3	160,5	188,2	172,4
-Non-metallic mineral products	2,9	125,5	99,4	126,9	90,3	126,8	115,2	115,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	120,4	109,6	117,4	86,6	125,7	109,0	100,3
-Basic iron and steel products	5,5	98,2	105,4	64,0	40,3	116,3	66,0	44,6
-Non-ferrous metal products	4,7	112,1	115,3	111,3	103,4	119,3	108,9	106,9
-Structural metal products	1,3	143,9	110,5	153,5	97,1	146,3	135,3	128,8
-Other fabricated metal products	4,2	141,8	99,5	159,9	98,4	131,0	140,9	130,6
-General purpose machinery	2,4	106,7	105,4	108,8	84,2	118,7	98,2	94,5
-Special purpose machinery	3,2	142,2	133,2	146,2	127,9	143,8	135,7	138,0
-Household appliances	1,2	125,7	88,9	146,8	86,4	118,2	124,2	115,4
-Electrical machinery	2,7	118,7	79,9	122,9	89,3	96,7	110,7	106,7
Radio, television and communication apparatus and professional equipment	1,3	120,2	100,0	133,8	102,4	111,9	119,0	115,2
-Radio, television and communication apparatus	0,7	108,3	91,7	120,2	96,2	98,1	103,6	103,5
-Professional equipment	0,6	132,3	108,4	147,5	108,6	125,8	134,7	127,0
Motor vehicles, parts and accessories and other transport equipment	8,6	136,7	96,8	129,2	64,8	151,8	114,2	98,9
-Motor vehicles	4,1	131,0	90,2	133,9	58,6	146,7	113,6	95,3
-Bodies for motor vehicles, trailers and semi-trailers	0,4	236,2	139,1	245,5	127,5	211,0	210,2	196,9
-Parts and accessories	3,1	141,9	106,0	111,3	52,8	170,4	103,0	85,2
-Other transport equipment	1,0	107,2	79,7	122,4	104,7	92,1	115,8	120,1
Furniture and other manufacturing division	5,8	121,2	108,1	138,9	102,7	128,4	116,3	120,0
-Furniture	1,6	140,9	119,0	186,2	110,6	148,3	140,7	137,4
-Other manufacturing groups	4,2	113,7	104,0	121,0	99,7	120,9	107,1	113,4
Total	100,0	125,5	109,5	132,1	101,8	124,4	118,9	114,2

1/ Preliminary.

Table 4b – Indices of the physical volume of manufacturing production according to manufacturing divisions and major groups (concluded)

Base 2000 = 100

Manufacturing divisions and major groups	Weights	Year 2008	Indices			Seasonally adjusted indices		
			December 2007	1/ December 2008	Percentage difference between December 2007 and December 2008	November 2008	December 2008	Percentage difference between November and December 2008
Food and beverages	16,4	129,3	125,0	135,8	8,6	129,2	130,9	1,3
-Meat, fish, fruit etc.	2,6	138,7	129,1	138,7	7,4	136,8	138,8	1,5
-Dairy products	1,1	114,6	119,1	129,7	8,9	113,6	118,1	4,0
-Grain mill products	1,5	134,0	123,9	138,6	11,9	136,4	140,2	2,8
-Other food products	6,8	112,6	95,9	96,2	0,3	108,1	108,9	0,7
-Beverages	4,3	152,0	170,3	197,4	15,9	159,4	160,9	0,9
Textiles, clothing, leather and footwear	5,4	101,6	78,3	75,6	-3,4	97,1	98,8	1,8
-Textiles	1,2	73,5	45,9	45,1	-1,7	70,4	71,8	2,0
-Other textile products	1,2	116,4	90,2	80,0	-11,3	105,7	106,2	0,5
-Knitted, crocheted articles	0,3	87,0	53,5	62,9	17,6	85,4	92,4	8,2
-Wearing apparel	2,0	115,3	99,3	98,4	-0,9	113,4	117,3	3,4
-Leather and leather products	0,3	101,3	76,1	63,9	-16,0	88,0	81,6	-7,3
-Footwear	0,4	88,6	60,9	63,8	4,8	89,4	88,7	-0,8
Wood and wood products, paper, publishing and printing	11,0	119,1	105,1	104,1	-1,0	117,4	115,1	-2,0
-Sawmilling and planing of wood	0,7	107,6	73,6	63,7	-13,5	101,8	90,0	-11,6
-Products of wood	1,0	128,8	95,9	92,6	-3,4	123,1	122,8	-0,2
-Paper and paper products	4,8	126,6	110,2	119,6	8,5	124,5	127,5	2,4
-Publishing	2,4	113,7	120,9	100,3	-17,0	111,7	100,7	-9,8
-Printing, recorded media	2,1	107,5	90,4	92,4	2,2	110,4	108,5	-1,7
Petroleum, chemical products, rubber and plastic products	22,5	132,8	116,5	111,5	-4,3	128,0	121,3	-5,2
-Coke, petroleum products and nuclear fuel	9,1	96,4	106,5	88,0	-17,4	88,9	84,1	-5,4
-Basic chemicals	4,0	173,6	137,1	133,6	-2,6	166,8	145,0	-13,1
-Other chemical products	5,4	149,7	114,4	131,3	14,8	150,1	149,0	-0,7
-Rubber products	1,1	85,8	56,2	45,7	-18,7	81,4	70,4	-13,5
-Plastic products	3,0	177,7	146,7	143,4	-2,2	174,2	173,0	-0,7
Glass and non-metallic mineral products	3,9	137,5	112,6	109,0	-3,2	135,0	131,0	-3,0
-Glass and glass products	1,1	169,6	148,1	159,3	7,6	188,2	172,4	-8,4
-Non-metallic mineral products	2,9	125,5	99,4	90,3	-9,2	115,2	115,6	0,3
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	120,4	109,6	86,6	-21,0	109,0	100,3	-8,0
-Basic iron and steel products	5,5	98,2	105,4	40,3	-61,8	66,0	44,6	-32,4
-Non-ferrous metal products	4,7	112,1	115,3	103,4	-10,3	108,9	106,9	-1,8
-Structural metal products	1,3	143,9	110,5	97,1	-12,1	135,3	128,8	-4,8
-Other fabricated metal products	4,2	141,8	99,5	98,4	-1,1	140,9	130,6	-7,3
-General purpose machinery	2,4	106,7	105,4	84,2	-20,1	98,2	94,5	-3,8
-Special purpose machinery	3,2	142,2	133,2	127,9	-4,0	135,7	138,0	1,7
-Household appliances	1,2	125,7	88,9	86,4	-2,8	124,2	115,4	-7,1
Electrical machinery	2,7	118,7	79,9	89,3	11,8	110,7	106,7	-3,6
Radio, television and communication apparatus and professional equipment	1,3	120,2	100,0	102,4	2,4	119,0	115,2	-3,2
-Radio, television and communication apparatus	0,7	108,3	91,7	96,2	4,9	103,6	103,5	-0,1
-Professional equipment	0,6	132,3	108,4	108,6	0,2	134,7	127,0	-5,7
Motor vehicles, parts and accessories and other transport equipment	8,6	136,7	96,8	64,8	-33,1	114,2	98,9	-13,4
-Motor vehicles	4,1	131,0	90,2	58,6	-35,0	113,6	95,3	-16,1
-Bodies for motor vehicles, trailers and semi-trailers	0,4	236,2	139,1	127,5	-8,3	210,2	196,9	-6,3
-Parts and accessories	3,1	141,9	106,0	52,8	-50,2	103,0	85,2	-17,3
-Other transport equipment	1,0	107,2	79,7	104,7	31,4	115,8	120,1	3,7
Furniture and other manufacturing division	5,8	121,2	108,1	102,7	-5,0	116,3	120,0	3,2
-Furniture	1,6	140,9	119,0	110,6	-7,1	140,7	137,4	-2,3
-Other manufacturing groups	4,2	113,7	104,0	99,7	-4,1	107,1	113,4	5,9
Total	100,0	125,5	109,5	101,8	-7,0	118,9	114,2	-4,0

1/ Preliminary.

Table 5 – Total estimated sales of the manufacturing industry at current prices (R'000)

Month	2002	2003	2004	2005	2006	2007	2008
Jan	49 460 059	54 362 254	55 071 330	57 996 123	64 189 094	77 735 488	87 264 599
Feb	57 864 931	61 989 347	64 229 244	66 760 165	71 388 922	88 795 001	103 240 425
Mar	61 605 130	64 510 085	69 915 271	71 125 524	79 202 703	95 108 539	108 981 724
Apr	62 018 095	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587
May	64 280 531	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290
Jun	62 755 902	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	118 895 452
Jul	64 595 172	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	122 517 062
Aug	66 054 568	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	120 621 090
Sep	68 466 542	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	120 173 361
Oct	72 908 893	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	1/ 126 054 455
Nov	73 373 081	68 158 470	77 784 326	82 083 555	98 270 280	110 644 228	1/ 117 727 888
Dec	58 669 430	57 772 435	63 593 769	69 817 622	78 806 146	87 539 378	1/ 92 509 062
Year	762 052 334	752 190 099	817 701 540	868 688 728	982 451 003	1 133 824 188	1 343 925 955

1/ Preliminary.

Table 6 – Annual percentage change in the value of sales of the manufacturing industry: Total

Month	2002	2003	2004	2005	2006	2007	2008
Jan	-	9,9	1,3	5,3	10,7	21,1	12,3
Feb	-	7,1	3,6	3,9	6,9	24,4	16,3
Mar	-	4,7	8,4	1,7	11,4	20,1	14,6
Apr	-	-2,7	4,3	11,0	1,6	21,1	29,7
May	-	-3,5	10,7	4,6	11,0	20,9	18,6
Jun	-	-0,3	9,3	6,9	13,6	12,6	27,1
Jul	-	-2,3	9,3	6,3	14,8	12,2	29,7
Aug	-	-4,4	10,4	8,5	16,0	13,6	20,9
Sep	-	-5,5	12,6	7,7	14,4	6,4	25,7
Oct	-	-4,7	8,7	4,0	20,9	13,9	16,5
Nov	-	-7,1	14,1	5,5	19,7	12,6	6,4
Dec	-	-1,5	10,1	9,8	12,9	11,1	5,7
Year	-	-1,3	8,7	6,2	13,1	15,4	18,5

The percentage change is the change in the sales of the manufacturing industry of the relevant year compared with the sales of the previous year expressed as a percentage.

Table 7 – Total seasonally adjusted sales of the manufacturing industry (R'000)

Month	2002	2003	2004	2005	2006	2007	2008
Jan	58 705 532	64 419 262	65 024 806	68 497 881	75 580 478	91 203 492	101 744 099
Feb	59 541 805	63 981 724	66 554 333	69 320 191	74 189 107	92 420 700	107 831 036
Mar	59 367 494	62 548 469	68 119 487	69 401 107	77 455 175	93 098 156	106 949 725
Apr	65 858 122	63 853 975	66 440 441	73 947 008	75 257 132	91 075 231	117 911 196
May	63 822 544	61 605 698	68 270 286	71 508 877	79 410 100	95 848 028	113 404 685
Jun	61 825 182	61 911 954	67 826 299	72 455 331	82 163 664	92 304 814	117 298 167
Jul	64 499 351	62 855 729	68 355 729	72 388 644	82 862 847	92 881 504	120 059 147
Aug	64 867 498	61 871 714	67 977 499	73 382 094	84 678 791	95 990 838	115 821 096
Sep	65 904 438	62 013 525	69 603 886	74 773 944	85 530 352	91 222 920	114 908 285
Oct	66 379 625	63 230 776	68 807 672	71 602 065	86 624 749	98 625 090	114 980 213
Nov	66 108 281	61 301 114	70 001 087	73 665 255	88 482 932	99 792 435	106 324 045
Dec	63 910 094	63 274 736	69 902 395	77 490 875	88 442 133	98 405 639	103 375 543

Table 8a – Sales of manufactured products according to manufacturing divisions and major groups (R'000)

Manufacturing divisions and major groups	Year 2008	Actual values			Seasonally adjusted values		
		December 2007	1/ November 2008	1/ December 2008	December 2007	November 2008	December 2008
Food and beverages	231 928 734	18 556 238	21 877 673	22 570 016	16 700 236	20 055 301	20 419 090
-Meat, fish, fruit etc.	60 010 991	4 422 438	5 471 088	5 544 898	4 185 172	5 146 644	5 257 325
-Dairy products	19 074 535	1 527 242	1 717 713	1 821 502	1 362 937	1 596 626	1 627 514
-Grain mill products	46 797 032	3 302 072	4 289 547	4 257 424	3 236 067	4 091 190	4 188 873
-Other food products	49 467 423	3 621 132	5 010 303	4 173 150	3 669 248	4 304 191	4 264 050
-Beverages	56 578 753	5 683 354	5 389 022	6 773 042	4 246 811	4 916 651	5 081 327
Textiles, clothing, leather and footwear	41 843 433	2 809 357	4 073 919	2 804 953	3 474 350	3 385 782	3 475 545
-Textiles	6 554 821	362 169	619 057	387 425	526 681	544 877	564 361
-Other textile products	10 215 570	639 979	959 648	617 262	836 924	797 246	814 322
-Knitted, crocheted articles	1 986 102	106 318	179 182	127 177	146 827	157 996	175 307
-Wearing apparel	15 267 261	1 168 595	1 576 824	1 178 887	1 313 515	1 251 586	1 321 382
-Leather and leather products	4 317 128	283 211	337 681	239 070	363 335	323 402	307 129
-Footwear	3 502 551	249 085	401 527	255 132	287 068	310 675	293 045
Wood and wood products, paper, publishing and printing	111 057 998	7 524 232	10 727 823	8 275 973	8 521 284	9 504 297	9 376 493
-Sawmilling and planing of wood	8 076 172	476 886	711 372	434 020	629 503	637 713	578 098
-Products of wood	18 613 271	1 129 133	1 752 099	1 190 322	1 483 437	1 508 583	1 568 088
-Paper and paper products	48 637 150	3 281 472	4 613 609	3 950 734	3 525 378	4 225 952	4 245 690
-Publishing	15 058 581	1 296 355	1 477 852	1 155 527	1 327 670	1 287 007	1 181 794
-Printing, recorded media	20 672 824	1 340 386	2 172 891	1 545 370	1 555 296	1 845 042	1 802 823
Petroleum, chemical products, rubber and plastic products	318 247 082	20 150 695	28 166 540	20 876 646	22 232 933	25 528 400	23 321 569
-Coke, petroleum products and nuclear fuel	125 154 926	8 740 728	9 301 578	6 966 616	9 147 361	9 134 907	7 315 703
-Basic chemicals	75 963 862	3 968 519	7 096 110	4 814 386	4 620 620	6 291 854	5 649 343
-Other chemical products	63 104 840	4 110 138	6 283 790	5 158 586	4 501 816	5 433 403	5 661 146
-Rubber products	11 784 402	650 632	1 100 130	745 077	829 431	976 695	952 525
-Plastic products	42 239 052	2 680 678	4 384 932	3 191 981	3 133 706	3 691 542	3 742 852
Glass and non-metallic mineral products	36 052 762	2 153 536	3 391 667	2 322 171	2 769 140	2 935 150	2 988 543
-Glass and glass products	6 472 067	461 323	735 864	522 501	509 397	586 544	575 398
-Non-metallic mineral products	29 580 695	1 692 213	2 655 803	1 799 670	2 259 743	2 348 606	2 413 145
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 955 517	17 885 308	24 222 378	16 552 000	20 948 909	22 371 521	19 543 374
-Basic iron and steel products	125 939 060	6 949 710	8 028 052	4 715 641	8 402 250	7 817 456	5 772 085
-Non-ferrous metal products	42 267 426	2 779 068	3 898 032	2 992 251	2 893 311	3 612 513	3 145 130
-Structural metal products	24 148 402	1 284 936	2 297 807	1 480 800	1 713 341	2 038 723	2 001 514
-Other fabricated metal products	45 131 830	2 279 451	4 555 833	2 899 637	2 902 189	3 941 053	3 719 528
-General purpose machinery	23 087 802	1 716 379	2 109 837	1 664 462	1 884 519	1 912 836	1 835 194
-Special purpose machinery	27 929 392	2 288 672	2 406 732	2 194 316	2 405 464	2 263 968	2 296 990
-Household appliances	9 451 605	587 092	926 085	604 893	747 834	784 973	772 932
Electrical machinery	39 741 597	2 197 479	3 502 190	2 592 505	2 573 023	3 118 965	3 033 238
Radio, television and communication apparatus and professional equipment	13 931 647	971 112	1 279 306	1 008 737	1 079 470	1 148 314	1 126 722
-Radio, television and communication apparatus	6 407 266	458 524	597 415	505 056	490 458	524 766	543 904
-Professional equipment	7 524 381	512 588	681 891	503 681	589 011	623 549	582 817
Motor vehicles, parts and accessories and other transport equipment	191 856 477	10 936 516	15 232 347	11 371 843	15 197 591	13 652 931	15 484 203
-Motor vehicles	94 941 676	5 515 061	8 116 987	7 031 436	7 368 727	7 190 502	9 396 351
-Bodies for motor vehicles, trailers and semi-trailers	10 478 469	591 919	905 105	523 792	769 566	756 379	692 637
-Parts and accessories	71 521 966	4 000 015	4 731 124	2 567 505	6 081 722	4 304 943	3 930 562
-Other transport equipment	14 914 366	829 521	1 479 131	1 249 110	977 577	1 401 106	1 464 653
Furniture and other manufacturing division	61 310 748	4 354 905	5 254 045	4 134 218	4 908 702	4 623 382	4 606 767
-Furniture	13 740 940	949 211	1 557 726	965 471	1 153 511	1 165 853	1 172 991
-Other manufacturing groups	47 569 808	3 405 694	3 696 319	3 168 747	3 755 191	3 457 529	3 433 777
Total	1 343 925 995	87 539 378	117 727 888	92 509 062	98 405 639	106 324 045	103 375 543

1/ Preliminary.

Table 8b – Sales of manufactured products according to manufacturing divisions and major groups (R'000) (concluded)

Manufacturing divisions and major groups	Year 2008	Value of sales			Seasonally adjusted value of sales		
		December 2007	1/ December 2008	Percentage change between December 2007 and December 2008	November 2008	December 2008	Percentage change between November 2008 and December 2008
Food and beverages	231 928 734	18 556 238	22 570 016	21,6	20 055 301	20 419 090	1,8
-Meat, fish, fruit etc.	60 010 991	4 422 438	5 544 898	25,4	5 146 644	5 257 325	2,2
-Dairy products	19 074 535	1 527 242	1 821 502	19,3	1 596 626	1 627 514	1,9
-Grain mill products	46 797 032	3 302 072	4 257 424	28,9	4 091 190	4 188 873	2,4
-Other food products	49 467 423	3 621 132	4 173 150	15,2	4 304 191	4 264 050	-0,9
-Beverages	56 578 753	5 683 354	6 773 042	19,2	4 916 651	5 081 327	3,3
Textiles, clothing, leather and footwear	41 843 433	2 809 357	2 804 953	-0,2	3 385 782	3 475 545	2,7
-Textiles	6 554 821	362 169	387 425	7,0	544 877	564 361	3,6
-Other textile products	10 215 570	639 979	617 262	-3,5	797 246	814 322	2,1
-Knitted, crocheted articles	1 986 102	106 318	127 177	19,6	157 996	175 307	11,0
-Wearing apparel	15 267 261	1 168 595	1 178 887	0,9	1 251 586	1 321 382	5,6
-Leather and leather products	4 317 128	283 211	239 070	-15,6	323 402	307 129	-5,0
-Footwear	3 502 551	249 085	255 132	2,4	310 675	293 045	-5,7
Wood and wood products, paper, publishing and printing	111 057 998	7 524 232	8 275 973	10,0	9 504 297	9 376 493	-1,3
-Sawmilling and planing of wood	8 076 172	476 886	434 020	-9,0	637 713	578 098	-9,3
-Products of wood	18 613 271	1 129 133	1 190 322	5,4	1 508 583	1 568 088	3,9
-Paper and paper products	48 637 150	3 281 472	3 950 734	20,4	4 225 952	4 245 690	0,5
-Publishing	15 058 581	1 296 355	1 155 527	-10,9	1 287 007	1 181 794	-8,2
-Printing, recorded media	20 672 824	1 340 386	1 545 370	15,3	1 845 042	1 802 823	-2,3
Petroleum, chemical products, rubber and plastic products	318 247 082	20 150 695	20 876 646	3,6	25 528 400	23 321 569	-8,6
-Coke, petroleum products and nuclear fuel	125 154 926	8 740 728	6 966 616	-20,3	9 134 907	7 315 703	-19,9
-Basic chemicals	75 963 862	3 968 519	4 814 386	21,3	6 291 854	5 649 343	-10,2
-Other chemical products	63 104 840	4 110 138	5 158 586	25,5	5 433 403	5 661 146	4,2
-Rubber products	11 784 402	650 632	745 077	14,5	976 695	952 525	-2,5
-Plastic products	42 239 052	2 680 678	3 191 981	19,1	3 691 542	3 742 852	1,4
Glass and non-metallic mineral products	36 052 762	2 153 536	2 322 171	7,8	2 935 150	2 988 543	1,8
-Glass and glass products	6 472 067	461 323	522 501	13,3	586 544	575 398	-1,9
-Non-metallic mineral products	29 580 695	1 692 213	1 799 670	6,4	2 348 606	2 413 145	2,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 955 517	17 885 308	16 552 000	-7,5	22 371 521	19 543 374	-12,6
-Basic iron and steel products	125 939 060	6 949 710	4 715 641	-32,1	7 817 456	5 772 085	-26,2
-Non-ferrous metal products	42 267 426	2 779 068	2 992 251	7,7	3 612 513	3 145 130	-12,9
-Structural metal products	24 148 402	1 284 936	1 480 800	15,2	2 038 723	2 001 514	-1,8
-Other fabricated metal products	45 131 830	2 279 451	2 899 637	27,2	3 941 053	3 719 528	-5,6
-General purpose machinery	23 087 802	1 716 379	1 664 462	-3,0	1 912 836	1 835 194	-4,1
-Special purpose machinery	27 929 392	2 288 672	2 194 316	-4,1	2 263 968	2 296 990	1,5
-Household appliances	9 451 605	587 092	604 893	3,0	784 973	772 932	-1,5
-Electrical machinery	39 741 597	2 197 479	2 592 505	18,0	3 118 965	3 033 238	-2,7
Radio, television and communication apparatus and professional equipment	13 931 647	971 112	1 008 737	3,9	1 148 314	1 126 722	-1,9
-Radio, television and communication apparatus	6 407 266	458 524	505 056	10,1	524 766	543 904	3,6
-Professional equipment	7 524 381	512 588	503 681	-1,7	623 549	582 817	-6,5
Motor vehicles, parts and accessories and other transport equipment	191 856 477	10 936 516	11 371 843	4,0	13 652 931	15 484 203	13,4
-Motor vehicles	94 941 676	5 515 061	7 031 436	27,5	7 190 502	9 396 351	30,7
-Bodies for motor vehicles, trailers and semi-trailers	10 478 469	591 919	523 792	-11,5	756 379	692 637	-8,4
-Parts and accessories	71 521 966	4 000 015	2 567 505	-35,8	4 304 943	3 930 562	-8,7
-Other transport equipment	14 914 366	829 521	1 249 110	50,6	1 401 106	1 464 653	4,5
Furniture and other manufacturing division	61 310 748	4 354 905	4 134 218	-5,1	4 623 382	4 606 767	-0,4
-Furniture	13 740 940	949 211	965 471	1,7	1 165 853	1 172 991	0,6
-Other manufacturing groups	47 569 808	3 405 694	3 168 747	-7,0	3 457 529	3 433 777	-0,7
Total	1 343 925 995	87 539 378	92 509 062	5,7	106 324 045	103 375 543	-2,8

1/ Preliminary.

Table 9 – Percentage change between the current quarter and the corresponding quarter of the previous year in the physical volume of manufacturing production and sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)			Value of sales (R '000)		
		October to December 2007	October to December 2008	Annual percentage change between October to December 2007 and October to December 2008	October to December 2007	October to December 2008	Annual percentage change between October to December 2007 and October to December 2008
Food and beverages	16,4	132,3	140,9	6,5	55 284 837	66 372 058	20,1
-Meat, fish, fruit etc.	2,6	131,2	141,1	7,5	13 313 681	16 704 012	25,5
-Dairy products	1,1	120,4	127,1	5,6	4 673 829	5 323 000	13,9
-Grain mill products	1,5	129,0	138,9	7,7	10 138 794	12 846 629	26,7
-Other food products	6,8	117,4	117,9	0,4	12 182 431	13 914 782	14,2
-Beverages	4,3	160,9	181,6	12,9	14 976 102	17 583 635	17,4
Textiles, clothing, leather and footwear	5,4	108,9	102,5	-5,9	11 094 288	10 967 351	-1,1
-Textiles	1,2	76,4	69,2	-9,4	1 612 920	1 655 583	2,6
-Other textile products	1,2	128,0	113,6	-11,3	2 713 122	2 563 765	-5,5
-Knitted, crocheted articles	0,3	79,9	86,8	8,6	457 648	494 685	8,1
-Wearing apparel	2,0	126,8	123,7	-2,4	4 251 834	4 246 027	-0,1
-Leather and leather products	0,3	102,5	83,6	-18,4	1 087 951	953 465	-12,4
-Footwear	0,4	93,1	95,4	2,5	970 813	1 053 826	8,6
Wood and wood products, paper, publishing and printing	11,0	123,3	123,4	0,1	26 884 957	29 730 896	10,6
-Sawmilling and planing of wood	0,7	107,0	98,6	-7,9	2 017 507	1 901 606	-5,7
-Products of wood	1,0	135,3	126,7	-6,4	4 628 154	4 749 522	2,6
-Paper and paper products	4,8	119,3	131,3	10,1	10 696 797	13 145 911	22,9
-Publishing	2,4	132,3	117,8	-11,0	4 127 780	4 058 418	-1,7
-Printing, recorded media	2,1	121,5	118,5	-2,5	5 414 719	5 875 439	8,5
Petroleum, chemical products, rubber and plastic products	22,5	134,6	132,0	-1,9	67 238 881	79 718 433	18,6
-Coke, petroleum products and nuclear fuel	9,1	107,8	87,9	-18,5	25 226 589	26 515 196	5,1
-Basic chemicals	4,0	155,4	176,8	13,8	14 418 153	20 614 450	43,0
-Other chemical products	5,4	146,4	158,5	8,3	14 929 680	17 831 090	19,4
-Rubber products	1,1	81,4	74,0	-9,1	2 670 665	2 918 069	9,3
-Plastic products	3,0	187,9	182,0	-3,1	9 993 794	11 839 628	18,5
Glass and non-metallic mineral products	3,9	139,8	140,1	0,2	8 628 059	9 291 595	7,7
-Glass and glass products	1,1	169,5	198,9	17,3	1 632 949	1 947 943	19,3
-Non-metallic mineral products	2,9	128,7	118,2	-8,2	6 995 110	7 343 652	5,0
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,8	110,2	-13,1	64 287 550	68 367 324	6,3
-Basic iron and steel products	5,5	109,2	64,3	-41,1	23 936 553	23 747 357	-0,8
-Non-ferrous metal products	4,7	119,5	110,3	-7,7	9 826 625	10 986 879	11,8
-Structural metal products	1,3	146,5	134,5	-8,2	5 277 247	6 141 577	16,4
-Other fabricated metal products	4,2	140,3	140,6	0,2	9 921 328	11 927 676	20,2
-General purpose machinery	2,4	123,4	100,9	-18,2	5 822 854	5 882 046	1,0
-Special purpose machinery	3,2	145,8	143,5	-1,6	7 059 726	7 194 684	1,9
-Household appliances	1,2	127,0	126,0	-0,8	2 443 217	2 487 105	1,8
-Electrical machinery	2,7	110,2	114,4	3,8	8 759 328	9 707 499	10,8
Radio, television and communication apparatus and professional equipment	1,3	119,0	123,8	4,0	3 397 323	3 580 334	5,4
-Radio, television and communication apparatus	0,7	105,5	112,5	6,6	1 553 721	1 701 077	9,5
-Professional equipment	0,6	132,8	135,3	1,9	1 843 602	1 879 257	1,9
Motor vehicles, parts and accessories and other transport equipment	8,6	149,0	114,0	-23,5	45 687 690	43 395 178	-5,0
-Motor vehicles	4,1	147,7	116,0	-21,5	22 985 774	23 695 597	3,1
-Bodies for motor vehicles, trailers and semi-trailers	0,4	222,9	218,3	-2,1	2 577 791	2 510 676	-2,6
-Parts and accessories	3,1	157,9	99,0	-37,3	17 051 172	13 084 849	-23,3
-Other transport equipment	1,0	98,9	113,2	14,5	3 072 953	4 104 056	33,6
Furniture and other manufacturing division	5,8	132,4	126,9	-4,2	15 127 289	15 160 737	0,2
-Furniture	1,6	165,9	158,3	-4,6	3 959 840	4 039 361	2,0
-Other manufacturing groups	4,2	119,7	115,1	-3,8	11 167 449	11 121 376	-0,4
Total	100,0	130,3	123,9	-4,9	306 390 202	336 291 405	9,8

Table 10 – Annual percentage change in the physical volume of manufacturing production and value of sales according to manufacturing divisions and major groups

Manufacturing divisions and major groups	Weights	Indices (base 2000=100)				Value of sales (R million)			
		Jan. to Dec. 2007	Jan. to Dec. 2008	Annual percentage change between 2007 and 2008	Contribution (percentage points)	Jan. to Dec. 2007	Jan. to Dec. 2008	Annual percentage change between 2007 and 2008	Difference in sales between 2007 and 2008
Food and beverages	16,4	124,5	129,3	3,9	0,6	191 280	231 929	21,3	40 649
-Meat, fish, fruit etc.	2,6	130,7	138,7	6,1	0,2	47 533	60 011	26,3	12 478
-Dairy products	1,1	112,3	114,6	2,0	0,0	16 244	19 075	17,4	2 831
-Grain mill products	1,5	129,4	134,0	3,6	0,1	35 332	46 797	32,4	11 465
-Other food products	6,8	111,2	112,6	1,3	0,1	42 111	49 467	17,5	7 356
-Beverages	4,3	143,1	152,0	6,2	0,3	50 060	56 579	13,0	6 519
Textiles, clothing, leather and footwear	5,4	102,6	101,6	-1,0	-0,1	40 681	41 843	2,9	1 162
-Textiles	1,2	80,0	73,5	-8,1	-0,1	6 541	6 555	0,2	14
-Other textile products	1,2	119,5	116,4	-2,6	0,0	10 293	10 216	-0,7	-77
-Knitted, crocheted articles	0,3	82,6	87,0	5,3	0,0	1 828	1 986	8,6	158
-Wearing apparel	2,0	113,8	115,3	1,3	0,0	14 627	15 267	4,4	640
-Leather and leather products	0,3	101,6	101,3	-0,3	0,0	4 228	4 317	2,1	89
-Footwear	0,4	84,9	88,6	4,4	0,0	3 163	3 503	10,7	340
Wood and wood products, paper, publishing and printing	11,0	117,5	119,1	1,4	0,2	100 401	111 058	10,6	10 657
-Sawmilling and planing of wood	0,7	116,4	107,6	-7,6	-0,1	7 926	8 076	1,9	150
-Products of wood	1,0	134,9	128,8	-4,5	0,0	17 495	18 613	6,4	1 118
-Paper and paper products	4,8	113,5	126,6	11,5	0,6	40 528	48 637	20,0	8 109
-Publishing	2,4	123,9	113,7	-8,2	-0,2	15 084	15 059	-0,2	-25
-Printing, recorded media	2,1	111,4	107,5	-3,5	-0,1	19 368	20 673	6,7	1 305
Petroleum, chemical products, rubber and plastic products	22,5	124,1	132,8	7,0	1,6	239 299	318 247	33,0	78 948
-Coke, petroleum products and nuclear fuel	9,1	97,0	96,4	-0,6	-0,1	86 358	125 155	44,9	38 797
-Basic chemicals	4,0	142,3	173,6	22,0	0,9	52 421	75 964	44,9	23 543
-Other chemical products	5,4	139,6	149,7	7,2	0,4	54 958	63 105	14,8	8 147
-Rubber products	1,1	82,9	85,8	3,5	0,0	10 218	11 784	15,3	1 566
-Plastic products	3,0	170,6	177,7	4,2	0,1	35 344	42 239	19,5	6 895
Glass and non-metallic mineral products	3,9	136,6	137,5	0,7	0,0	33 301	36 053	8,3	2 752
-Glass and glass products	1,1	155,0	169,6	9,4	0,1	5 834	6 472	10,9	638
-Non-metallic mineral products	2,9	129,7	125,5	-3,2	-0,1	27 466	29 581	7,7	2 115
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	126,3	120,4	-4,7	-1,1	249 464	297 956	19,4	48 492
-Basic iron and steel products	5,5	111,8	98,2	-12,2	-0,7	93 725	125 939	34,4	32 214
-Non-ferrous metal products	4,7	118,9	112,1	-5,7	-0,3	38 935	42 267	8,6	3 332
-Structural metal products	1,3	137,7	143,9	4,5	0,1	19 849	24 148	21,7	4 299
-Other fabricated metal products	4,2	140,7	141,8	0,8	0,0	38 443	45 132	17,4	6 689
-General purpose machinery	2,4	119,8	106,7	-10,9	-0,3	21 933	23 088	5,3	1 155
-Special purpose machinery	3,2	143,0	142,2	-0,6	0,0	26 930	27 929	3,7	999
-Household appliances	1,2	130,0	125,7	-3,3	0,0	9 649	9 452	-2,0	-197
Electrical machinery	2,7	106,6	118,7	11,4	0,3	33 734	39 742	17,8	6 008
Radio, television and communication apparatus and professional equipment	1,3	116,9	120,2	2,8	0,0	13 325	13 932	4,6	607
-Radio, television and communication apparatus	0,7	100,3	108,3	8,0	0,1	5 957	6 407	7,6	450
-Professional equipment	0,6	133,7	132,3	-1,0	0,0	7 368	7 524	2,1	156
Motor vehicles, parts and accessories and other transport equipment	8,6	144,7	136,7	-5,5	-0,5	176 808	191 856	8,5	15 048
-Motor vehicles	4,1	140,7	131,0	-6,9	-0,3	87 304	94 942	8,7	7 638
-Bodies for motor vehicles, trailers and semi-trailers	0,4	218,2	236,2	8,2	0,0	9 676	10 478	8,3	802
-Parts and accessories	3,1	154,5	141,9	-8,2	-0,3	67 354	71 522	6,2	4 168
-Other transport equipment	1,0	103,1	107,2	4,0	0,0	12 473	14 914	19,6	2 441
Furniture and other manufacturing division	5,8	120,1	121,2	0,9	0,1	55 532	61 311	10,4	5 779
-Furniture	1,6	142,6	140,9	-1,2	0,0	13 390	13 741	2,6	351
-Other manufacturing groups	4,2	111,6	113,7	1,9	0,1	42 143	47 570	12,9	5 427
Total	100,0	124,2	125,5	1,0	1,0	1 133 824	1 343 926	18,5	210 102

1/ The contribution (percentage points) is calculated by multiplying the percentage change of each manufacturing group or division with the weight of the group or division, divided by 100.

Explanatory notes

- Introduction**
- 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 new business register, with enhanced coverage of South African businesses (see 4 below). The release contains monthly indices of the physical volume of manufacturing production and monthly value of sales of manufactured products by divisions and major groups within manufacturing.
 - 2 In accordance with international practice, the indices are re-based every five years to a new base year. The base period of the index is 2000. Both estimated and seasonally adjusted figures are presented.
 - 3 In order to improve timeliness, some information for the latest month has had to be estimated for respondents who have not reported by the cut-off date for production of results. These estimates will be revised in future statistical releases when their reported information becomes available.
 - 4 As indicated earlier, Stats SA is continuously upgrading its new business register, based on units registered for value-added tax (VAT) and income tax (IT), obtained from the South African Revenue Service (SARS).
- Purpose of the survey**
- 5 The results of the monthly manufacturing production and sales survey are used to calculate indices of the physical volume of manufacturing production. These indices provide an indicator of the real level of manufacturing activity in the economy. They are used in monitoring the state of the economy and formulation of economic policy. They are also important inputs to estimation of the Gross Domestic Product (GDP).
- Special Data Dissemination Standard of the IMF**
- 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.
- Scope of the survey**
- 7 This survey covers manufacturing enterprises, i.e. those conducting activities in -
 - the manufacturing, processing, making or packing of products;
 - the slaughtering of animals, including poultry; and
 - installation, assembly, completion, repair and related work.
- Classification**
- 8 The 1993 edition of the *Standard Industrial Classification of all Economic Activities (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 *International Standard Industrial Classification of all Economic Activities (ISIC)* with suitable adaptations for local conditions. Statistics in this publication are presented at SIC division (two digit) and major group (three digit) level. Each enterprise is classified to an industry which reflects its predominant activity.
- Response rate**
- 9 The preliminary response rate for the survey on manufacturing production and sales for December 2008 was 82,9%. Improved response rate for November 2008 was 83,8%.
- Statistical unit**
- 10 The statistical unit for which information is compiled and published is the 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.

- Survey methodology and design**
- 11 The survey is conducted monthly. Questionnaires are sent to a sample of approximately 3 000 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 non-respondents.
 - 12 The value of sales of manufactured products is obtained monthly from the sample of 3 042 enterprises, which was drawn in April 2008 from a population then of 56 553 manufacturing enterprises. Each manufacturing major group is divided into four size groups. The sample is drawn at the SIC three-digit level. All large enterprises (size group one), are completely enumerated. Simple random sampling is applied for size group two (medium sized) enterprises, and for size groups three and four (small) 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.
 - 13 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 Production 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.
 - 14 More direct indicators are used for the value of production of 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 physical 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).
- Weighting methodology**
- 15 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 division estimates. These procedures, which are in line with international best practice, are described in more detail on the Stats SA website at www.statssa.gov.za/publications/publicationsearch.asp.
 - 16 For indices, a weight is calculated for every major group according to the value added of the major group relative to the total value added of the manufacturing industry as a whole, based on the results of the most recent census of manufacturing or large sample survey of the manufacturing industry. For the period 1996 to 2000, the weights are based on the 1996 Census of Manufacturing and for the period 2001 to 2008, the weights are based on the 2001 large sample survey of the manufacturing industry. Weights between census years are fixed. The production indices of all divisions are multiplied by the applicable weights and aggregated to produce the index for the total physical volume of manufacturing production (see table E for the fixed weights which were used for the two periods 1996 to 2000 and 2001 to 2008).
- Seasonal adjustment**
- 17 Seasonally adjusted estimates of all major groups are generated each month, using the X-11 Seasonal Adjustment Programme developed by the US Bureau of the Census, 1968. 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. Therefore the month-to-month movements of seasonally adjusted estimates may not be reliable indicators of trend behaviour.

- Trend cycle** **18** The trend is the long-term pattern or movement of a time series. The X-11 Seasonal Adjustment Programme is used for smoothing seasonally adjusted estimates to estimates of the underlying trend cycle.
- Reliability of estimates** **19** 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.
- 20** 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.
- Revised figures** **21** Revised figures are due to late submission of data to Stats SA, or to respondents reporting revisions or corrections to their figures. Preliminary figures are indicated in the relevant tables. Data are edited at the enterprise level.
- Related publications** **22** Users may also wish to refer to the following publications available from Stats SA -
- *Bulletin of Statistics* issued quarterly.
 - *SA Statistics* issued annually.
- Rounding of figures** **23** The figures in the tables have, where necessary, been rounded to the nearest digit shown.
- Pre-release policy** **24** Stats SA's pre-release policy may be inspected at its website, www.statssa.gov.za
- Symbols and abbreviations** **25**
- | | |
|----------|---|
| GDP | Gross Domestic Product |
| ISIC | International Standard Industrial Classification |
| m | Million |
| SIC | Standard Industrial Classification of all Economic Activities |
| SARS | South African Revenue Service |
| Stats SA | Statistics South Africa |
| VAT | Value-added tax |
| 1/ | Preliminary figures |
| * | Revised figures |

Technical notes

26 Neyman optimal allocation

Before drawing a sample in the survey the population of enterprises on the BSF was stratified. Strata were formed using a combination of Standard Industrial Classification variable and the measure of size variable for enterprises. The Neyman optimal allocation formula used to allocate samples to each stratum is given by a formula below.

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

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

Class limits: Manufacturing

Enterprise size	Lower limits	Upper limits
Very small	0	12 500 000
Small	12 500 001	32 500 000
Medium	32 500 001	127 500 000
Large	127 500 001	

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.
Index of physical volume of manufacturing production	The index of physical 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 base period is 2000. The production in the base period is set at 100.
Industry	An industry is made up of enterprises engaged in the same or similar kinds of economic activity. Industries are defined in the <i>System of National Accounts (SNA)</i> in the same way as in the <i>1993 Standard Industrial Classification of all Economic Activities</i> , Fifth Edition, Report No. 09-90-02 of January 1993 (SIC).
Intermediate consumption	Intermediate consumption includes - <ul style="list-style-type: none">• purchases and transfers-in of materials;• payments to other establishments for work done;• other direct factory costs;• rent and leasing paid;• head office charges;• royalties, copyright, trade names and patent rights paid;• advertising;• insurance premiums;• services; and• secretarial and administrative fees.
Output	Output is the aggregate value of goods manufactured and work done and includes - <ul style="list-style-type: none">• sales and transfers-out of own manufactures, factory waste and stocks of factored goods;• repairs;• installation, erection and assembly;• sundry trading revenue;• sales of factored goods minus purchases of factored goods;• rent and leasing received;• royalties received;• difference between opening value and closing value of work in progress, stocks of own manufactures and stocks of factored goods;• head office charges; and• other revenue. Output excludes excise and customs duty paid.
Value added	Value added is the value of output less intermediate consumption. It represents the value added to the cost of the materials used in the process of production.
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.
Turnover	Turnover refers to - <ul style="list-style-type: none">• the value of sales and transfers out of all own manufactured products/articles;• amounts received for work done; and• amounts received for services rendered.

Turnover excludes -

- value-added tax (VAT);
- export freight charges; and
- excise duty.

Weight

The weight of a major group of manufacturing in the overall index for manufacturing is the ratio of the value added of the major group (i.e. output of a major group minus intermediate consumption) to the total value added of the manufacturing industry. The weight reflects the importance of the major group in the total. 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 need to be calculated from time to time.

Table E – Weights according to manufacturing major groups

Manufacturing divisions and major groups	Weights according to the 2001 large sample survey of the manufacturing industry 2001 - 2008	Weights according to the 1996 census of manufacturing 1996 - 2000
Food and beverages	16,4	15,3
Meat, fish, fruit, etc.	2,6	2,8
Dairy products	1,1	1,4
Grain mill products	1,5	2,1
Other food products	6,8	4,4
Beverages	4,3	4,6
Textiles, clothing, leather and footwear	5,4	7,8
Textiles	1,2	1,7
Other textile products	1,2	1,2
Knitted, crocheted articles	0,3	0,6
Wearing apparel	2,0	3,0
Tanning, dressing of leather	0,3	0,4
Footwear	0,4	0,9
Wood and wood products, paper, publishing and printing	11,0	11,4
Sawmilling and planing of wood	0,7	0,8
Products of wood	1,0	1,2
Paper and paper products	4,8	5,3
Publishing	2,4	1,5
Printing, recorded media	2,1	2,6
Petroleum, chemical products, rubber and plastic products	22,5	19,3
Petroleum products	9,1	4,2
Basic chemicals	4,0	4,5
Other chemical products	5,4	6,2
Rubber products	1,1	1,4
Plastic products	3,0	3,1
Glass and non-metallic mineral products	3,9	4,5
Glass and glass products	1,1	1,0
Non-metallic mineral products	2,9	3,5
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	23,6
Basic iron and steel products	5,5	7,6
Non-ferrous metal products	4,7	3,2
Structural metal products	1,3	2,4
Other fabricated metal products	4,2	4,6
General purpose machinery	2,4	2,5
Special purpose machinery	3,2	2,9
Household appliances	1,2	0,4
Electrical machinery	2,7	3,4
Radio, television and communication apparatus and professional equipment	1,3	1,5
Radio, television and communication apparatus	0,7	1,0
Professional equipment	0,6	0,5
Motor vehicles, parts and accessories and other transport equipment	8,6	9,1
Motor vehicles	4,1	4,5
Bodies for motor vehicles, trailers and semi-trailers	0,4	0,5
Parts and accessories	3,1	3,0
Other transport equipment	1,0	1,0
Other manufacturing divisions	5,8	4,1
Furniture	1,6	1,6
Other manufacturing groups	4,2	2,6
Total	100,0	100,0

General information

Stats SA publishes approximately 300 different statistical releases each year. It is not economically viable to produce them in more than one of South Africa's eleven official languages. Since the releases are used extensively, not only locally but also by international economic and social-scientific communities, Stats SA releases are published in English.

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