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SUMMARY OF FINDINGS: MANUFACTURING PRODUCTION AND SALES

Table A – Selected key figures regarding manufacturing production and sales for January 2009

Estimates	January 2009	% change between January 2008 and January 2009	% change between November 2007 to January 2008 and November 2008 to January 2009
Physical volume of manufacturing production index (2000=100)	96,7	-11,1	-8,0
Total value of sales of manufactured products (R million)	82 832	-5,1	2,7

Seasonally adjusted estimates	January 2009	% change between December 2008 and January 2009	% change between August to October 2008 and November 2008 to January 2009
Physical volume of manufacturing production index (2000=100)	112,5	-1,2	-8,1
Total value of sales of manufactured products (R million)	97 963	-5,1	-11,0

Manufacturing production declines further

The estimated manufacturing production for January 2009 decreased by 11,1% compared with January 2008. The seasonally adjusted manufacturing production for the three months ended January 2009 decreased by 8,1% compared with the previous three months. This is steeper than the 5,8% decrease reported for the previous three-month period up to December 2008. Lower production levels were reported by all ten manufacturing divisions during the latest three months. 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 -3,0 percentage points), motor vehicles, parts and accessories and other transport equipment (contributing -2,0 percentage points) and petroleum, chemical products, rubber and plastic products (contributing -1,5 percentage points) (see Table B).

The 11,1% decrease in manufacturing production in January 2009 compared with January 2008 was mainly due to lower production in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-21,5% and contributing -4,8 percentage points), followed by the motor vehicles, parts and accessories and other transport equipment division (-40,3% and contributing -3,5 percentage points) and the furniture and 'other' manufacturing division (-21,6% and contributing -1,3 percentage points). The food and beverages division partly counteracted the decrease with a reported increase of 2,5% (contributing 0,4 of a percentage point) (see Table 4b).

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

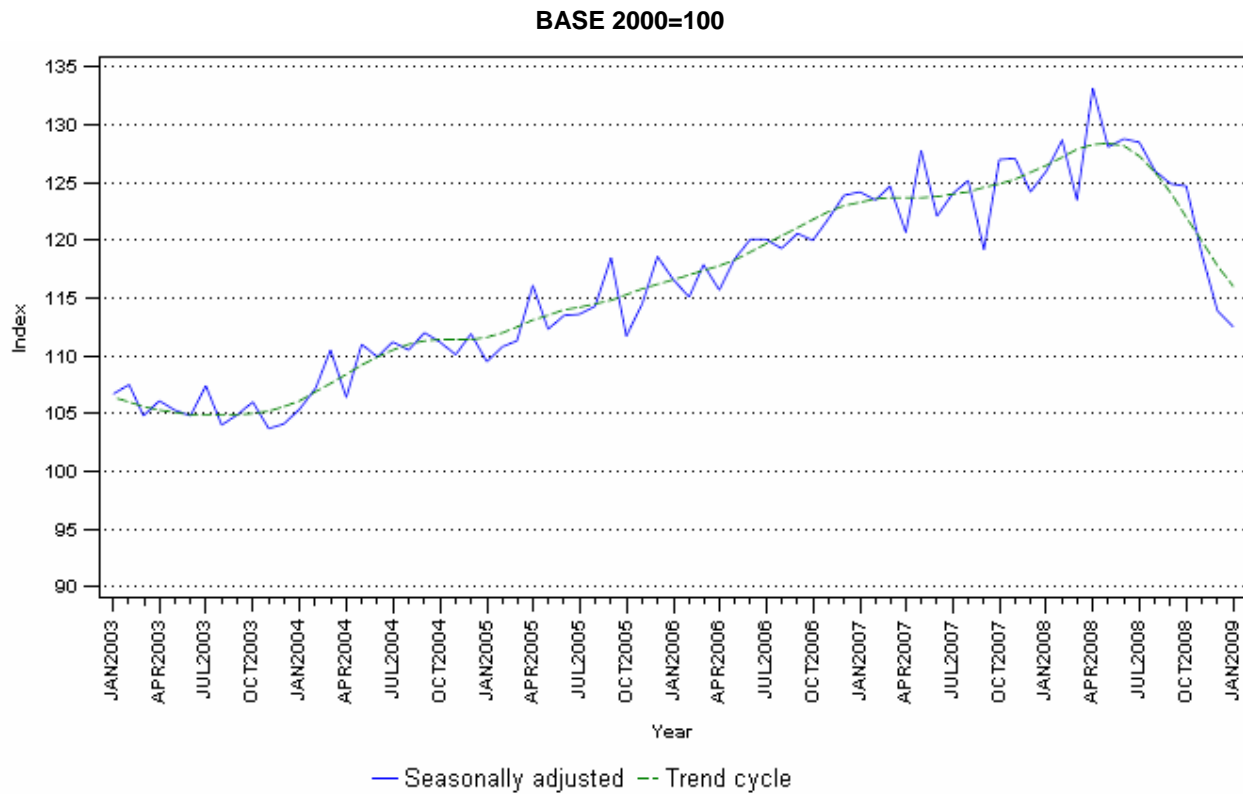
(Base 2000=100)

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 August to October 2008	Average seasonally adjusted production index for November 2008 to January 2009	Quarterly percentage change of November 2008 to January 2009 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	130,1	129,1	-0,8	-0,1
-Food and food products	12,1	120,7	118,7	-1,7	-0,2
-Beverages	4,3	156,4	158,2	1,2	0,1
Textiles, clothing, leather and footwear	5,4	100,1	97,6	-2,5	-0,1
-Textiles	2,4	93,2	88,5	-5,0	-0,1
-Wearing apparel	2,3	109,5	111,1	1,5	0,0
-Leather and leather products	0,3	98,6	81,7	-17,1	-0,1
-Footwear	0,4	90,4	89,0	-1,5	0,0
Wood and wood products, paper, publishing and printing	11,0	121,0	114,3	-5,5	-0,6
-Wood and products of wood	1,7	117,7	114,3	-2,9	0,0
-Paper and paper products	4,8	130,6	122,5	-6,2	-0,3
-Publishing and printing	4,6	112,1	105,6	-5,8	-0,3
Petroleum, chemical products, rubber and plastic products	22,5	133,7	125,0	-6,5	-1,5
-Coke, petroleum products and nuclear fuel	9,1	94,5	90,2	-4,6	-0,4
-Basic chemicals	4,0	178,1	147,5	-17,2	-0,7
-Other chemical products	5,4	153,2	150,2	-2,0	-0,1
-Rubber products	1,1	84,0	79,0	-6,0	-0,1
-Plastic products	3,0	178,8	174,3	-2,5	-0,1
Glass and non-metallic mineral products	3,9	136,6	131,1	-4,0	-0,2
-Glass and glass products	1,1	174,9	175,8	0,5	0,0
-Non-metallic mineral products	2,9	122,4	114,5	-6,5	-0,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	119,1	103,2	-13,4	-3,0
-Basic iron and steel products	5,5	100,3	53,9	-46,3	-2,5
-Basic precious, non-ferrous metal products	4,7	111,5	106,1	-4,8	-0,2
-Fabricated metal products	5,5	140,4	133,7	-4,8	-0,3
-Machinery and equipment	6,7	122,6	118,2	-3,6	-0,2
Electrical machinery	2,7	120,8	112,6	-6,8	-0,2
Radio, television and communication apparatus and professional equipment	1,3	120,9	116,0	-4,1	-0,1
-Radio, television and communication apparatus	0,7	108,6	105,4	-2,9	0,0
-Professional equipment	0,6	133,3	126,9	-4,8	0,0
Motor vehicles, parts and accessories and other transport equipment	8,6	130,6	100,1	-23,4	-2,0
-Motor vehicles, trailers, parts and accessories	7,6	134,2	98,0	-27,0	-2,1
-Other transport equipment	1,0	103,3	116,0	12,3	0,1
Furniture and other manufacturing division	5,8	120,5	112,0	-7,1	-0,4
-Furniture	1,6	139,0	135,3	-2,7	0,0
-Other manufacturing groups	4,2	113,5	103,2	-9,1	-0,4
Total	100,0	125,2	115,0	-8,1	-8,1

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.

Figure 1 shows the seasonally adjusted and trend series for the volume index of manufacturing production between January 2003 and January 2009.

Figure 1 – Index of the physical volume of manufacturing production



Seasonally adjusted sales of manufactured products decrease

The estimated total value of sales of manufactured products at current prices for the three months ended January 2009 decreased by 11,0% (-R37 788 million), after seasonal adjustment, compared with the previous three months. Lower manufacturing sales were reported by nine of the ten manufacturing divisions during this period (see Table C).

Decreases were mainly reported for the basic iron and steel, non-ferrous metal products, metal products and machinery division (-21,8% or -R16 886 million), the petroleum, chemical products, rubber and plastic products division (-14,5% or -R12 202 million) and the motor vehicles, parts and accessories and other transport equipment division (-10,4% or -R4 750 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 August to October 2008	Seasonally adjusted sales November 2008 to January 2009	Percentage change between August to October 2008 and November 2008 to January 2009	Difference in seasonally adjusted sales of manufacturing divisions between August to October 2008 and November 2008 to January 2009
	R '000	R '000		R '000
Food and beverages	60 243 301	60 524 455	0,5	281 154
-Food and food products	45 563 973	45 529 390	-0,1	-34 583
-Beverages	14 679 328	14 995 067	2,2	315 739
Textiles, clothing, leather and footwear	10 418 839	10 165 575	-2,4	-253 264
-Textiles	4 230 633	4 025 978	-4,8	-204 655
-Wearing apparel	4 214 245	4 301 907	2,1	87 662
-Leather and leather products	1 062 545	914 689	-13,9	-147 856
-Footwear	911 415	923 000	1,3	11 585
Wood and wood products, paper, publishing and printing	28 827 413	27 850 489	-3,4	-976 924
-Wood and products of wood	6 627 107	6 599 097	-0,4	-28 010
-Paper and paper products	12 853 382	12 286 992	-4,4	-566 390
-Publishing and printing	9 346 923	8 964 399	-4,1	-382 524
Petroleum, chemicals products, rubber and plastic products	84 133 838	71 931 924	-14,5	-12 201 914
-Coke, petroleum products and nuclear fuel	32 374 092	24 191 465	-25,3	-8 182 627
-Basic chemicals	21 088 064	16 980 331	-19,5	-4 107 733
-Other chemical products	16 581 514	16 584 539	0,0	3 025
-Rubber products	3 033 573	2 969 793	-2,1	-63 780
-Plastic products	11 056 595	11 205 795	1,3	149 200
Glass and non-metallic mineral products	9 186 024	8 920 971	-2,9	-265 053
-Glass and glass products	1 674 352	1 710 573	2,2	36 221
-Non-metallic mineral products	7 511 672	7 210 399	-4,0	-301 273
Basic iron and steel, non-ferrous metal products, metal products and machinery	77 523 586	60 637 598	-21,8	-16 885 988
-Basic iron and steel products	33 651 015	19 244 159	-42,8	-14 406 856
-Basic precious, non-ferrous metal products	11 015 281	9 570 070	-13,1	-1 445 211
-Fabricated metal products	17 746 523	17 075 562	-3,8	-670 961
-Machinery and equipment	15 110 766	14 747 810	-2,4	-362 956
-Electrical machinery	10 128 589	9 468 493	-6,5	-660 096
Radio, television and communication apparatus and professional equipment	3 547 728	3 402 103	-4,1	-145 625
-Radio, television and communication apparatus	1 619 827	1 572 107	-2,9	-47 720
-Professional equipment	1 927 901	1 829 996	-5,1	-97 905
Motor vehicles, parts and accessories and other transport equipment	45 652 917	40 903 092	-10,4	-4 749 825
-Motor vehicles, trailers, parts and accessories	41 889 234	36 705 254	-12,4	-5 183 980
-Other transport equipment	3 763 683	4 197 837	11,5	434 154
Furniture and other manufacturing division	15 381 331	13 450 530	-12,6	-1 930 801
-Furniture	3 472 238	3 482 228	0,3	9 990
-Other manufacturing groups	11 909 093	9 968 303	-16,3	-1 940 790
Total	345 043 564	307 255 231	-11,0	-37 788 333

Slowdown in manufacturing sales at current prices continues

Estimated sales of manufacturing production at current prices decreased by 5,1% for January 2009 compared with January 2008 (see Table 6). However, the annual growth in the values of sales for the three months ended January 2009 increased by 2,7% (+R7 565 million) compared to the three months ending January 2008 (see Table D).

The major contributors to the increase of 2,7% in sales of manufactured products at current prices for the three months ended January 2009 compared with the same period of 2008 were the food and beverages division (+3,4 percentage points or +R9 569 million) and the petroleum, chemical products, rubber and plastic products division (+1,7 percentage points or +R4 930 million). The largest contributing decreases were reflected in the basic iron and steel, non-ferrous metal products, metal products and machinery division (-1,5 percentage points or -R4 372 million) and the motor vehicles, parts and accessories and other transport equipment division (-1,5 percentage points or -R4 425 million) (see Table D).

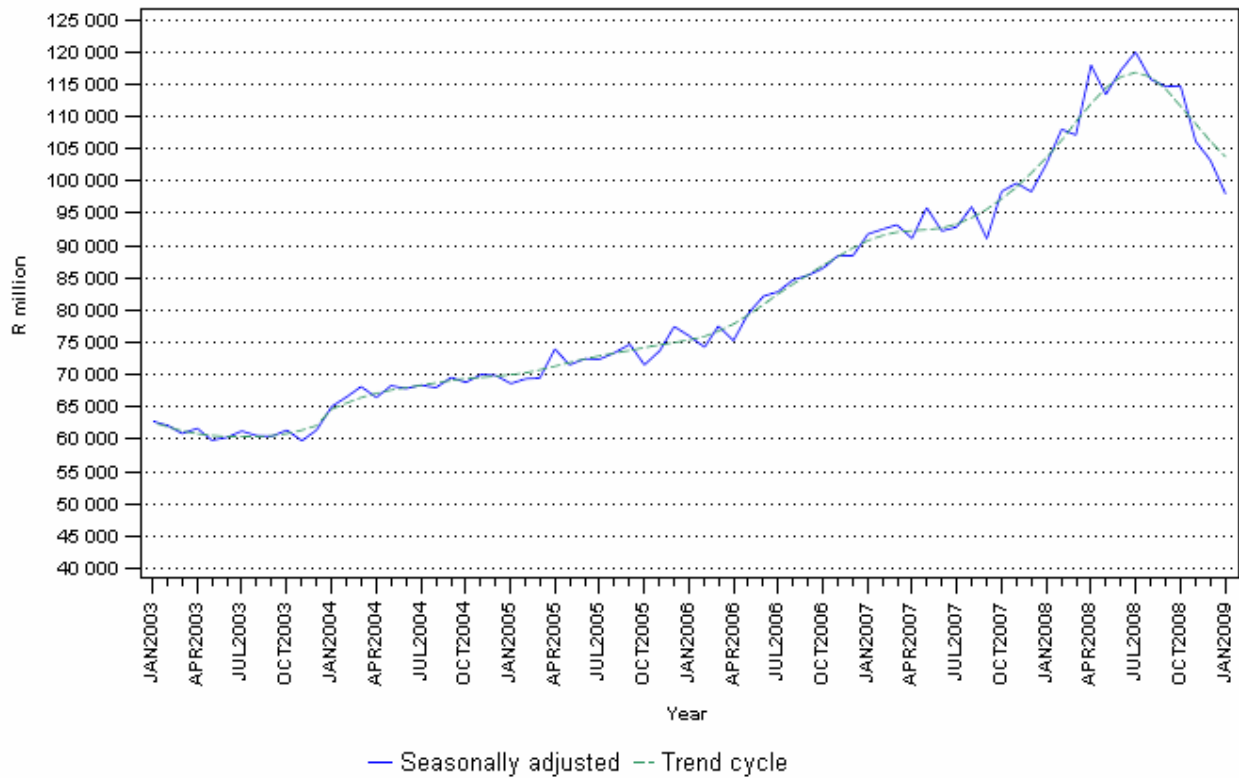
Table D – Contribution of the manufacturing divisions and major groups to the total value of sales of manufactured products at current prices

Manufacturing divisions and major groups	Percentage contribution to total value of sales of manufactured products November 2007 to January 2008	Percentage change between November 2007 to January 2008 and November 2008 to January 2009	Contribution (percentage points) to the percentage change in the total value of sales of manufactured products 1/	Difference in sales of manufacturing divisions between November 2007 to January 2008 and November 2008 to January 2009
				R '000
Food and beverages	18,5	18,2	3,4	9 568 956
-Food and food products	13,5	18,5	2,5	7 150 285
-Beverages	4,9	17,1	0,8	2 418 671
Textiles, clothing, leather and footwear	3,3	-3,6	-0,1	-343 822
-Textiles	1,3	-5,1	-0,1	-190 485
-Wearing apparel	1,4	-1,4	0,0	-56 212
-Leather and leather products	0,4	-17,0	-0,1	-172 563
-Footwear	0,3	9,7	0,0	75 438
Wood and wood products, paper, publishing and printing	8,7	8,0	0,7	1 984 907
-Wood and products of wood	2,1	0,3	0,0	18 762
-Paper and paper products	3,6	15,5	0,6	1 602 960
-Publishing and printing	3,0	4,3	0,1	363 185
Petroleum, chemicals products, rubber and plastic products	22,5	7,7	1,7	4 930 446
-Coke, petroleum products and nuclear fuel	9,0	-8,6	-0,8	-2 201 916
-Basic chemicals	4,8	19,6	0,9	2 687 111
-Other chemical products	4,7	18,4	0,9	2 483 865
-Rubber products	0,8	12,1	0,1	286 028
-Plastic products	3,2	18,5	0,6	1 675 358
Glass and non-metallic mineral products	2,7	4,9	0,1	376 848
-Glass and glass products	0,5	14,4	0,1	214 128
-Non-metallic mineral products	2,2	2,6	0,1	162 720
Basic iron and steel, non-ferrous metal products, metal products and machinery	21,4	-7,2	-1,5	-4 371 701
-Basic iron and steel products	8,5	-26,4	-2,2	-6 441 491
-Basic precious, non-ferrous metal products	3,2	2,6	0,1	237 310
-Fabricated metal products	4,7	15,6	0,7	2 066 490
-Machinery and equipment	5,0	-1,6	-0,1	-234 010
Electrical machinery	2,7	10,0	0,3	779 580
Radio, television and communication apparatus and professional equipment	1,1	2,9	0,0	91 248
-Radio, television and communication apparatus	0,5	5,7	0,0	80 962
-Professional equipment	0,6	0,6	0,0	10 286
Motor vehicles, parts and accessories and other transport equipment	14,2	-10,9	-1,5	-4 424 797
-Motor vehicles, trailers, parts and accessories	13,2	-14,5	-1,9	-5 459 454
-Other transport equipment	1,0	36,1	0,4	1 034 657
Furniture and other manufacturing division	4,9	-7,4	-0,4	-1 026 232
-Furniture	1,1	2,6	0,0	82 082
-Other manufacturing groups	3,8	-10,3	-0,4	-1 108 314
Total	100,0	2,7	2,7	7 565 433

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 2007/2008, divided by 100.

Figure 2 shows the seasonally adjusted and trend series for sales of manufactured products between January 2003 and January 2009.

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	2003	2004	2005	2006	2007	2008	2009
Jan	94,4	93,1	96,2	101,7	107,6	108,8	1/ 96,7
Feb	104,3	103,6	106,3	110,1	118,2	122,8	
Mar	108,4	114,1	114,9	121,4	128,3	126,9	
Apr	100,0	100,3	109,2	109,2	113,9	125,9	
May	105,7	111,6	112,8	118,9	128,1	128,7	
Jun	105,3	110,5	114,3	121,4	123,7	130,7	
Jul	108,7	113,0	115,5	122,2	126,1	130,6	
Aug	106,3	113,7	118,2	123,8	130,1	130,6	
Sep	108,7	116,0	122,9	125,5	123,9	129,7	
Oct	116,7	122,5	123,2	132,6	140,3	137,9	
Nov	114,9	122,3	127,1	135,4	141,1	1/ 132,1	
Dec	91,5	99,0	104,6	109,3	109,5	1/ 101,7	
Year	105,4	110,0	113,8	119,3	124,2	1/ 125,5	

1/ Preliminary.

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

Month	2003	2004	2005	2006	2007	2008	2009
Jan	-	-1,4	3,3	5,7	5,8	1,1	-11,1
Feb	-	-0,7	2,6	3,6	7,4	3,9	
Mar	-	5,3	0,7	5,7	5,7	-1,1	
Apr	-	0,3	8,9	0,0	4,3	10,5	
May	-	5,6	1,1	5,4	7,7	0,5	
Jun	-	4,9	3,4	6,2	1,9	5,7	
Jul	-	4,0	2,2	5,8	3,2	3,6	
Aug	-	7,0	4,0	4,7	5,1	0,4	
Sep	-	6,7	5,9	2,1	-1,3	4,7	
Oct	-	5,0	0,6	7,6	5,8	-1,7	
Nov	-	6,4	3,9	6,5	4,2	-6,4	
Dec	-	8,2	5,7	4,5	0,2	-7,1	
Year	-	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	2003	2004	2005	2006	2007	2008	2009
Jan	106,9	105,4	109,5	116,6	124,2	126,0	112,5
Feb	107,6	107,2	110,8	115,1	123,5	128,7	
Mar	104,9	110,5	111,3	117,9	124,7	123,5	
Apr	106,8	106,4	116,1	115,7	120,7	133,2	
May	105,3	111,0	112,3	118,4	127,8	128,1	
Jun	104,8	109,9	113,5	120,1	122,1	128,8	
Jul	107,2	111,2	113,6	120,1	124,0	128,5	
Aug	103,8	110,5	114,3	119,3	125,2	126,0	
Sep	105,1	112,0	118,5	120,6	119,2	124,9	
Oct	106,0	111,2	111,7	120,0	127,0	124,7	
Nov	103,7	110,1	114,5	121,9	127,1	118,7	
Dec	103,1	111,9	118,6	123,9	124,2	113,9	

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		
			January 2008	1/ December 2008	1/ January 2009	January 2008	December 2008	January 2009
Food and beverages	16,4	129,3	106,5	136,2	109,2	124,6	130,7	127,6
-Meat, fish, fruit, etc.	2,6	138,9	115,8	140,1	116,2	129,4	139,3	130,1
-Dairy products	1,1	114,6	115,3	129,1	112,9	113,7	117,2	111,0
-Grain mill products	1,5	134,0	122,5	138,6	121,4	133,0	139,2	131,6
-Other food products	6,8	112,6	81,9	96,2	80,9	111,7	108,9	110,8
-Beverages	4,3	152,1	131,8	198,1	144,3	141,8	160,5	155,4
Textiles, clothing, leather and footwear	5,4	101,4	73,1	74,7	69,4	102,6	98,0	98,3
-Textiles	1,2	73,5	56,9	45,1	57,8	78,1	72,8	79,2
-Other textile products	1,2	116,4	89,6	82,4	69,0	126,1	107,9	97,5
-Knitted, crocheted articles	0,3	86,7	47,5	60,9	59,0	68,2	89,7	84,9
-Wearing apparel	2,0	114,9	78,6	94,9	80,4	114,8	114,2	117,8
-Leather and leather products	0,3	101,3	102,5	64,1	71,5	110,2	80,7	76,7
-Footwear	0,4	88,6	46,0	62,5	58,3	71,5	87,0	90,5
Wood and wood products, paper, publishing and printing	11,0	119,2	99,2	105,1	94,0	115,4	115,5	110,0
-Sawmilling and planing of wood	0,7	108,1	89,8	68,7	80,9	105,8	97,2	95,5
-Products of wood	1,0	128,8	104,1	93,6	99,7	135,0	124,3	129,3
-Paper and paper products	4,8	126,6	105,8	119,6	103,5	118,9	126,1	117,4
-Publishing	2,4	113,7	98,8	100,3	90,4	113,4	100,5	104,2
-Printing, recorded media	2,1	108,0	85,5	95,2	78,6	103,8	111,0	95,9
Petroleum, chemical products, rubber and plastic products	22,5	132,7	117,7	110,7	115,7	128,4	121,0	126,5
-Coke, petroleum products and nuclear fuel	9,1	96,4	105,1	88,0	101,3	100,5	84,6	96,7
-Basic chemicals	4,0	173,4	137,2	131,5	119,4	153,7	143,3	134,0
-Other chemical products	5,4	149,7	116,8	130,1	126,6	139,7	148,4	151,6
-Rubber products	1,1	85,8	72,0	46,2	71,8	84,9	70,3	85,2
-Plastic products	3,0	177,3	149,8	142,5	152,1	176,4	172,5	178,5
Glass and non-metallic mineral products	3,9	137,5	121,2	109,0	106,0	146,7	130,6	127,9
-Glass and glass products	1,1	169,6	140,4	159,3	142,8	164,5	172,0	167,4
-Non-metallic mineral products	2,9	125,5	114,1	90,3	92,3	140,0	115,2	113,2
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	120,4	113,3	86,4	88,9	126,7	99,2	100,9
-Basic iron and steel products	5,5	98,2	106,9	40,3	50,8	107,4	43,7	51,2
-Non-ferrous metal products	4,7	112,1	113,5	103,4	99,7	117,7	106,3	103,4
-Structural metal products	1,3	144,8	112,7	103,4	91,8	148,4	135,3	120,6
-Other fabricated metal products	4,2	141,7	112,2	95,3	106,0	142,9	124,5	135,8
-General purpose machinery	2,4	106,7	101,8	84,2	78,7	121,6	94,6	93,9
-Special purpose machinery	3,2	142,2	138,0	127,9	119,2	150,3	137,6	130,1
-Household appliances	1,2	125,7	104,5	86,4	106,8	120,1	115,7	121,8
-Electrical machinery	2,7	118,6	84,8	88,7	94,2	109,1	107,1	120,5
Radio, television and communication apparatus and professional equipment	1,3	120,6	95,1	109,2	91,1	113,5	120,7	109,5
-Radio, television and communication apparatus	0,7	109,0	78,4	105,1	80,4	99,2	110,8	102,2
-Professional equipment	0,6	132,4	112,0	113,3	101,9	128,0	130,8	116,9
Motor vehicles, parts and accessories and other transport equipment	8,6	136,7	123,5	64,0	73,7	146,4	98,6	88,3
-Motor vehicles	4,1	131,0	104,4	58,6	65,5	130,3	97,3	82,3
-Bodies for motor vehicles, trailers and semi-trailers	0,4	236,5	168,1	132,2	136,0	234,2	201,6	187,2
-Parts and accessories	3,1	141,7	154,4	50,1	68,9	171,3	81,2	76,5
-Other transport equipment	1,0	107,2	89,4	104,6	99,0	101,6	119,6	112,6
Furniture and other manufacturing division	5,8	121,2	99,3	103,1	77,9	125,7	119,7	100,9
-Furniture	1,6	141,0	82,8	112,3	79,0	132,9	138,1	127,5
-Other manufacturing groups	4,2	113,7	105,5	99,6	77,5	123,1	112,8	90,9
Total	100,0	125,5	108,8	101,7	96,7	126,0	113,9	112,5

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		
			January 2008	1/ January 2009	Percentage difference between January 2008 and January 2009	December 2008	January 2009	Percentage difference between December 2008 and January 2009
Food and beverages	16,4	129,3	106,5	109,2	2,5	130,7	127,6	-2,4
-Meat, fish, fruit, etc.	2,6	138,9	115,8	116,2	0,3	139,3	130,1	-6,6
-Dairy products	1,1	114,6	115,3	112,9	-2,1	117,2	111,0	-5,3
-Grain mill products	1,5	134,0	122,5	121,4	-0,9	139,2	131,6	-5,5
-Other food products	6,8	112,6	81,9	80,9	-1,2	108,9	110,8	1,7
-Beverages	4,3	152,1	131,8	144,3	9,5	160,5	155,4	-3,2
Textiles, clothing, leather and footwear	5,4	101,4	73,1	69,4	-5,1	98,0	98,3	0,3
-Textiles	1,2	73,5	56,9	57,8	1,6	72,8	79,2	8,8
-Other textile products	1,2	116,4	89,6	69,0	-23,0	107,9	97,5	-9,6
-Knitted, crocheted articles	0,3	86,7	47,5	59,0	24,2	89,7	84,9	-5,4
-Wearing apparel	2,0	114,9	78,6	80,4	2,3	114,2	117,8	3,2
-Leather and leather products	0,3	101,3	102,5	71,5	-30,2	80,7	76,7	-5,0
-Footwear	0,4	88,6	46,0	58,3	26,7	87,0	90,5	4,0
Wood and wood products, paper, publishing and printing	11,0	119,2	99,2	94,0	-5,2	115,5	110,0	-4,8
-Sawmilling and planing of wood	0,7	108,1	89,8	80,9	-9,9	97,2	95,5	-1,7
-Products of wood	1,0	128,8	104,1	99,7	-4,2	124,3	129,3	4,0
-Paper and paper products	4,8	126,6	105,8	103,5	-2,2	126,1	117,4	-6,9
-Publishing	2,4	113,7	98,8	90,4	-8,5	100,5	104,2	3,7
-Printing, recorded media	2,1	108,0	85,5	78,6	-8,1	111,0	95,9	-13,6
Petroleum, chemical products, rubber and plastic products	22,5	132,7	117,7	115,7	-1,7	121,0	126,5	4,5
-Coke, petroleum products and nuclear fuel	9,1	96,4	105,1	101,3	-3,6	84,6	96,7	14,3
-Basic chemicals	4,0	173,4	137,2	119,4	-13,0	143,3	134,0	-6,5
-Other chemical products	5,4	149,7	116,8	126,6	8,4	148,4	151,6	2,2
-Rubber products	1,1	85,8	72,0	71,8	-0,3	70,3	85,2	21,2
-Plastic products	3,0	177,3	149,8	152,1	1,5	172,5	178,5	3,5
-Glass and non-metallic mineral products	3,9	137,5	121,2	106,0	-12,5	130,6	127,9	-2,1
-Glass and glass products	1,1	169,6	140,4	142,8	1,7	172,0	167,4	-2,7
-Non-metallic mineral products	2,9	125,5	114,1	92,3	-19,1	115,2	113,2	-1,7
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	120,4	113,3	88,9	-21,5	99,2	100,9	1,7
-Basic iron and steel products	5,5	98,2	106,9	50,8	-52,5	43,7	51,2	17,2
-Non-ferrous metal products	4,7	112,1	113,5	99,7	-12,2	106,3	103,4	-2,7
-Structural metal products	1,3	144,8	112,7	91,8	-18,5	135,3	120,6	-10,9
-Other fabricated metal products	4,2	141,7	112,2	106,0	-5,5	124,5	135,8	9,1
-General purpose machinery	2,4	106,7	101,8	78,7	-22,7	94,6	93,9	-0,7
-Special purpose machinery	3,2	142,2	138,0	119,2	-13,6	137,6	130,1	-5,5
-Household appliances	1,2	125,7	104,5	106,8	2,2	115,7	121,8	5,3
Electrical machinery	2,7	118,6	84,8	94,2	11,1	107,1	120,5	12,5
Radio, television and communication apparatus and professional equipment	1,3	120,6	95,1	91,1	-4,2	120,7	109,5	-9,3
-Radio, television and communication apparatus	0,7	109,0	78,4	80,4	2,6	110,8	102,2	-7,8
-Professional equipment	0,6	132,4	112,0	101,9	-9,0	130,8	116,9	-10,6
Motor vehicles, parts and accessories and other transport equipment	8,6	136,7	123,5	73,7	-40,3	98,6	88,3	-10,4
-Motor vehicles	4,1	131,0	104,4	65,5	-37,3	97,3	82,3	-15,4
-Bodies for motor vehicles, trailers and semi-trailers	0,4	236,5	168,1	136,0	-19,1	201,6	187,2	-7,1
-Parts and accessories	3,1	141,7	154,4	68,9	-55,4	81,2	76,5	-5,8
-Other transport equipment	1,0	107,2	89,4	99,0	10,7	119,6	112,6	-5,9
Furniture and other manufacturing division	5,8	121,2	99,3	77,9	-21,6	119,7	100,9	-15,7
-Furniture	1,6	141,0	82,8	79,0	-4,6	138,1	127,5	-7,7
-Other manufacturing groups	4,2	113,7	105,5	77,5	-26,5	112,8	90,9	-19,4
Total	100,0	125,5	108,8	96,7	-11,1	113,9	112,5	-1,2

1/ Preliminary.

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

Month	2003	2004	2005	2006	2007	2008	2009
Jan	54 362 254	55 071 330	57 996 123	64 189 094	77 735 488	87 264 599	1/ 82 831 737
Feb	61 989 347	64 229 244	66 760 165	71 388 922	88 795 001	103 240 425	
Mar	64 510 085	69 915 271	71 125 524	79 202 703	95 108 539	108 981 724	
Apr	60 355 639	62 938 714	69 852 309	70 995 969	85 951 025	111 471 587	
May	62 025 293	68 680 038	71 871 060	79 802 545	96 506 978	114 469 290	
Jun	62 591 404	68 432 062	73 140 542	83 059 482	93 559 142	118 895 452	
Jul	63 121 052	68 962 693	73 306 407	84 166 082	94 457 875	122 517 062	
Aug	63 133 885	69 723 627	75 677 432	87 784 628	99 753 483	120 621 090	
Sep	64 724 012	72 859 146	78 504 917	89 792 711	95 566 455	120 173 361	
Oct	69 446 223	75 511 320	78 553 072	94 992 441	108 206 596	126 147 134	
Nov	68 158 470	77 784 326	82 083 555	98 270 280	110 644 228	1/ 117 691 220	
Dec	57 772 435	63 593 769	69 817 622	78 806 146	87 539 378	1/ 92 490 681	
Year	752 190 099	817 701 540	868 688 728	982 451 003	1 133 824 188	1/ 1 343 963 625	

1/ Preliminary.

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

Month	2003	2004	2005	2006	2007	2008	2009
Jan	-	1,3	5,3	10,7	21,1	12,3	-5,1
Feb	-	3,6	3,9	6,9	24,4	16,3	
Mar	-	8,4	1,7	11,4	20,1	14,6	
Apr	-	4,3	11,0	1,6	21,1	29,7	
May	-	10,7	4,6	11,0	20,9	18,6	
Jun	-	9,3	6,9	13,6	12,6	27,1	
Jul	-	9,3	6,3	14,8	12,2	29,7	
Aug	-	10,4	8,5	16,0	13,6	20,9	
Sep	-	12,6	7,7	14,4	6,4	25,7	
Oct	-	8,7	4,0	20,9	13,9	16,6	
Nov	-	14,1	5,5	19,7	12,6	6,4	
Dec	-	10,1	9,8	12,9	11,1	5,7	
Year	-	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	2003	2004	2005	2006	2007	2008	2009
Jan	64 436 350	65 061 848	68 598 860	75 953 429	91 767 140	102 670 743	97 963 046
Feb	63 981 295	66 565 342	69 354 031	74 240 878	92 535 101	108 001 998	
Mar	62 551 304	68 133 727	69 432 446	77 504 344	93 195 963	107 105 120	
Apr	63 856 548	66 442 908	73 949 454	75 257 721	91 089 445	117 923 218	
May	61 609 724	68 272 043	71 510 809	79 403 627	95 846 370	113 381 891	
Jun	61 919 869	67 827 579	72 444 634	82 121 511	92 242 374	117 144 584	
Jul	62 863 173	68 361 479	72 373 790	82 827 691	92 824 867	119 917 895	
Aug	61 872 558	67 972 324	73 366 480	84 669 662	95 977 153	115 732 902	
Sep	61 991 843	69 552 459	74 692 801	85 385 357	91 051 357	114 611 799	
Oct	63 225 895	68 780 938	71 514 374	86 445 387	98 342 201	114 698 863	
Nov	61 297 981	70 007 237	73 639 358	88 421 678	99 651 081	106 099 099	
Dec	63 257 659	69 879 172	77 437 830	88 375 788	98 311 454	103 193 086	

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		
		January 2008	1/ December 2008	1/ January 2009	January 2008	December 2008	January 2009
Food and beverages	232 024 799	15 443 015	22 656 592	17 746 294	17 500 336	20 342 597	20 118 941
-Meat, fish, fruit, etc.	60 076 273	3 879 248	5 608 811	4 368 797	4 476 672	5 238 925	5 046 104
-Dairy products	19 078 729	1 506 215	1 825 696	1 611 917	1 530 549	1 640 521	1 628 087
-Grain mill products	46 804 021	3 207 860	4 256 293	3 593 252	3 491 808	4 093 141	3 906 202
-Other food products	49 467 398	3 161 088	4 173 125	3 820 046	3 760 831	4 285 437	4 541 662
-Beverages	56 598 378	3 688 604	6 792 667	4 352 282	4 240 477	5 084 572	4 996 888
Textiles, clothing, leather and footwear	41 804 861	2 433 821	2 792 545	2 338 885	3 432 392	3 460 657	3 340 349
-Textiles	6 554 752	384 275	387 356	412 380	538 903	568 090	578 991
-Other textile products	10 229 135	617 904	642 485	515 259	848 965	833 494	709 423
-Knitted, crocheted articles	1 975 538	101 673	124 676	111 538	145 090	171 451	159 019
-Wearing apparel	15 205 229	830 872	1 127 213	859 483	1 258 817	1 275 054	1 303 726
-Leather and leather products	4 318 960	341 311	240 902	261 058	374 595	306 594	285 793
-Footwear	3 521 247	157 786	269 913	179 167	266 022	305 973	303 397
Wood and wood products, paper, publishing and printing	111 175 536	7 163 822	8 325 231	7 599 846	8 419 235	9 393 891	8 971 376
-Sawmilling and planing of wood	8 071 856	538 642	425 735	515 437	620 392	573 495	595 267
-Products of wood	18 611 025	1 157 154	1 203 041	1 280 192	1 546 649	1 597 350	1 709 878
-Paper and paper products	48 620 414	3 202 946	3 948 858	3 408 201	3 608 049	4 221 022	3 859 023
-Publishing	15 058 581	1 029 189	1 155 527	1 059 986	1 169 794	1 183 180	1 208 270
-Printing, recorded media	20 813 660	1 235 891	1 592 070	1 336 030	1 474 351	1 818 844	1 598 937
Petroleum, chemical products, rubber and plastic products	318 096 113	20 270 827	20 678 536	20 452 781	22 915 040	23 208 674	23 280 088
-Coke, petroleum products and nuclear fuel	125 107 924	8 539 872	6 936 300	7 289 913	9 122 871	7 310 933	7 774 519
-Basic chemicals	75 968 594	4 544 819	4 729 490	4 573 765	5 118 045	5 601 669	5 132 617
-Other chemical products	63 051 694	3 851 261	5 102 386	4 600 623	4 635 194	5 609 645	5 540 618
-Rubber products	11 785 950	689 355	746 889	794 557	886 123	964 487	1 024 232
-Plastic products	42 181 951	2 645 520	3 163 471	3 193 923	3 152 807	3 721 940	3 808 101
Glass and non-metallic mineral products	36 057 323	2 300 192	2 344 152	2 393 198	2 884 492	2 991 553	3 002 564
-Glass and glass products	6 472 067	415 086	522 501	447 680	518 157	567 779	558 088
-Non-metallic mineral products	29 585 256	1 885 106	1 821 651	1 945 518	2 366 335	2 423 774	2 444 477
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 790 344	19 949 005	16 386 827	16 028 584	23 223 671	19 278 717	19 031 377
-Basic iron and steel products	125 939 060	8 917 088	4 715 641	5 197 608	9 679 014	5 760 244	5 663 327
-Non-ferrous metal products	42 264 456	2 772 851	2 989 281	2 425 352	3 287 948	3 117 069	2 873 529
-Structural metal products	24 131 291	1 341 331	1 463 689	1 317 112	1 813 516	1 961 703	1 786 976
-Other fabricated metal products	44 986 738	2 616 193	2 754 545	2 958 975	3 358 452	3 535 022	3 825 234
-General purpose machinery	23 087 802	1 558 928	1 664 462	1 515 244	1 905 665	1 837 433	1 846 672
-Special purpose machinery	27 929 392	2 099 150	2 194 316	1 950 503	2 401 901	2 293 809	2 236 563
-Household appliances	9 451 605	643 464	604 893	663 790	777 175	773 439	799 077
-Electrical machinery	39 725 421	2 338 414	2 581 701	2 514 194	3 094 661	3 033 539	3 332 763
Radio, television and communication apparatus and professional equipment	14 007 118	920 555	1 084 444	886 937	1 105 455	1 196 634	1 065 181
-Radio, television and communication apparatus	6 461 825	398 337	547 171	357 065	514 055	580 600	463 237
-Professional equipment	7 545 293	522 218	537 273	529 872	591 399	616 034	601 944
Motor vehicles, parts and accessories and other transport equipment	191 958 077	12 469 360	11 499 179	9 443 180	15 106 229	15 698 329	11 570 526
-Motor vehicles	94 941 676	5 417 732	7 031 436	4 406 187	6 938 213	9 434 201	5 680 297
-Bodies for motor vehicles, trailers and semi-trailers	10 529 036	568 951	576 858	495 627	855 000	751 496	744 656
-Parts and accessories	71 573 556	5 544 231	2 642 332	3 370 921	6 228 481	4 068 638	3 790 398
-Other transport equipment	14 913 809	938 446	1 248 553	1 170 445	1 084 536	1 443 993	1 355 175
Furniture and other manufacturing division	61 324 033	3 975 588	4 141 474	3 427 838	4 989 231	4 588 496	4 249 880
-Furniture	13 761 092	637 477	979 594	677 064	1 065 418	1 179 867	1 136 710
-Other manufacturing groups	47 562 941	3 338 111	3 161 880	2 750 774	3 923 813	3 408 629	3 113 170
Total	1 343 963 625	87 264 599	92 490 681	82 831 737	102 670 743	103 193 086	97 963 046

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		
		January 2008	1/ January 2009	Percentage change between January 2008 and January 2009	December 2008	January 2009	Percentage change between December 2008 and January 2009
Food and beverages	232 024 799	15 443 015	17 746 294	14,9	20 342 597	20 118 941	-1,1
-Meat, fish, fruit, etc.	60 076 273	3 879 248	4 368 797	12,6	5 238 925	5 046 104	-3,7
-Dairy products	19 078 729	1 506 215	1 611 917	7,0	1 640 521	1 628 087	-0,8
-Grain mill products	46 804 021	3 207 860	3 593 252	12,0	4 093 141	3 906 202	-4,6
-Other food products	49 467 398	3 161 088	3 820 046	20,8	4 285 437	4 541 662	6,0
-Beverages	56 598 378	3 688 604	4 352 282	18,0	5 084 572	4 996 888	-1,7
Textiles, clothing, leather and footwear	41 804 861	2 433 821	2 338 885	-3,9	3 460 657	3 340 349	-3,5
-Textiles	6 554 752	384 275	412 380	7,3	568 090	578 991	1,9
-Other textile products	10 229 135	617 904	515 259	-16,6	833 494	709 423	-14,9
-Knitted, crocheted articles	1 975 538	101 673	111 538	9,7	171 451	159 019	-7,3
-Wearing apparel	15 205 229	830 872	859 483	3,4	1 275 054	1 303 726	2,2
-Leather and leather products	4 318 960	341 311	261 058	-23,5	306 594	285 793	-6,8
-Footwear	3 521 247	157 786	179 167	13,6	305 973	303 397	-0,8
Wood and wood products, paper, publishing and printing	111 175 536	7 163 822	7 599 846	6,1	9 393 891	8 971 376	-4,5
-Sawmilling and planing of wood	8 071 856	538 642	515 437	-4,3	573 495	595 267	3,8
-Products of wood	18 611 025	1 157 154	1 280 192	10,6	1 597 350	1 709 878	7,0
-Paper and paper products	48 620 414	3 202 946	3 408 201	6,4	4 221 022	3 859 023	-8,6
-Publishing	15 058 581	1 029 189	1 059 986	3,0	1 183 180	1 208 270	2,1
-Printing, recorded media	20 813 660	1 235 891	1 336 030	8,1	1 818 844	1 598 937	-12,1
Petroleum, chemical products, rubber and plastic products	318 096 113	20 270 827	20 452 781	0,9	23 208 674	23 280 088	0,3
-Coke, petroleum products and nuclear fuel	125 107 924	8 539 872	7 289 913	-14,6	7 310 933	7 774 519	6,3
-Basic chemicals	75 968 594	4 544 819	4 573 765	0,6	5 601 669	5 132 617	-8,4
-Other chemical products	63 051 694	3 851 261	4 600 623	19,5	5 609 645	5 540 618	-1,2
-Rubber products	11 785 950	689 355	794 557	15,3	964 487	1 024 232	6,2
-Plastic products	42 181 951	2 645 520	3 193 923	20,7	3 721 940	3 808 101	2,3
Glass and non-metallic mineral products	36 057 323	2 300 192	2 393 198	4,0	2 991 553	3 002 564	0,4
-Glass and glass products	6 472 067	415 086	447 680	7,9	567 779	558 088	-1,7
-Non-metallic mineral products	29 585 256	1 885 106	1 945 518	3,2	2 423 774	2 444 477	0,9
Basic iron and steel, non-ferrous metal products, metal products and machinery	297 790 344	19 949 005	16 028 584	-19,7	19 278 717	19 031 377	-1,3
-Basic iron and steel products	125 939 060	8 917 088	5 197 608	-41,7	5 760 244	5 663 327	-1,7
-Non-ferrous metal products	42 264 456	2 772 851	2 425 352	-12,5	3 117 069	2 873 529	-7,8
-Structural metal products	24 131 291	1 341 331	1 317 112	-1,8	1 961 703	1 786 976	-8,9
-Other fabricated metal products	44 986 738	2 616 193	2 958 975	13,1	3 535 022	3 825 234	8,2
-General purpose machinery	23 087 802	1 558 928	1 515 244	-2,8	1 837 433	1 846 672	0,5
-Special purpose machinery	27 929 392	2 099 150	1 950 503	-7,1	2 293 809	2 236 563	-2,5
-Household appliances	9 451 605	643 464	663 790	3,2	773 439	799 077	3,3
-Electrical machinery	39 725 421	2 338 414	2 514 194	7,5	3 033 539	3 332 763	9,9
Radio, television and communication apparatus and professional equipment	14 007 118	920 555	886 937	-3,7	1 196 634	1 065 181	-11,0
-Radio, television and communication apparatus	6 461 825	398 337	357 065	-10,4	580 600	463 237	-20,2
-Professional equipment	7 545 293	522 218	529 872	1,5	616 034	601 944	-2,3
Motor vehicles, parts and accessories and other transport equipment	191 958 077	12 469 360	9 443 180	-24,3	15 698 329	11 570 526	-26,3
-Motor vehicles	94 941 676	5 417 732	4 406 187	-18,7	9 434 201	5 680 297	-39,8
-Bodies for motor vehicles, trailers and semi-trailers	10 529 036	568 951	495 627	-12,9	751 496	744 656	-0,9
-Parts and accessories	71 573 556	5 544 231	3 370 921	-39,2	4 068 638	3 790 398	-6,8
-Other transport equipment	14 913 809	938 446	1 170 445	24,7	1 443 993	1 355 175	-6,2
Furniture and other manufacturing division	61 324 033	3 975 588	3 427 838	-13,8	4 588 496	4 249 880	-7,4
-Furniture	13 761 092	637 477	677 064	6,2	1 179 867	1 136 710	-3,7
-Other manufacturing groups	47 562 941	3 338 111	2 750 774	-17,6	3 408 629	3 113 170	-8,7
Total	1 343 963 625	87 264 599	82 831 737	-5,1	103 193 086	97 963 046	-5,1

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)		
		November 2007 to January 2008	November 2008 to January 2009	Annual percentage change between November 2007 to January 2008 and November 2008 to January 2009	November 2007 to January 2008	November 2008 to January 2009	Annual percentage change between November 2007 to January 2008 and November 2008 to January 2009
Food and beverages	16,4	122,5	128,4	4,8	52 711 009	62 279 965	18,2
-Meat, fish, fruit, etc.	2,6	126,0	131,6	4,4	12 767 011	15 439 982	20,9
-Dairy products	1,1	118,2	121,1	2,5	4 608 943	5 155 326	11,9
-Grain mill products	1,5	126,1	133,2	5,6	9 954 962	12 147 212	22,0
-Other food products	6,8	101,3	99,8	-1,5	11 264 793	13 003 474	15,4
-Beverages	4,3	153,6	171,7	11,8	14 115 300	16 533 971	17,1
Textiles, clothing, leather and footwear	5,4	93,2	85,9	-7,8	9 519 790	9 175 968	-3,6
-Textiles	1,2	67,1	60,4	-10,0	1 392 484	1 418 793	1,9
-Other textile products	1,2	109,9	92,5	-15,8	2 322 528	2 105 734	-9,3
-Knitted, crocheted articles	0,3	64,4	71,4	10,9	388 171	410 814	5,8
-Wearing apparel	2,0	108,4	104,0	-4,1	3 625 319	3 546 464	-2,2
-Leather and leather products	0,3	96,8	75,9	-21,6	1 012 204	839 641	-17,0
-Footwear	0,4	70,6	74,8	5,9	779 084	854 522	9,7
Wood and wood products, paper, publishing and printing	11,0	113,8	110,8	-2,6	24 700 895	26 685 802	8,0
-Sawmilling and planing of wood	0,7	95,4	87,7	-8,1	1 794 538	1 656 513	-7,7
-Products of wood	1,0	119,0	111,9	-6,0	4 063 580	4 220 367	3,9
-Paper and paper products	4,8	115,3	119,8	3,9	10 355 938	11 958 898	15,5
-Publishing	2,4	120,7	106,4	-11,8	3 780 084	3 693 365	-2,3
-Printing, recorded media	2,1	106,2	102,5	-3,5	4 706 755	5 156 659	9,6
Petroleum, chemical products, rubber and plastic products	22,5	126,2	122,6	-2,9	64 362 721	69 293 167	7,7
-Coke, petroleum products and nuclear fuel	9,1	106,4	93,4	-12,2	25 720 700	23 518 784	-8,6
-Basic chemicals	4,0	146,8	145,9	-0,6	13 738 666	16 425 777	19,6
-Other chemical products	5,4	132,0	142,8	8,2	13 505 988	15 989 853	18,4
-Rubber products	1,1	74,3	69,0	-7,1	2 355 284	2 641 312	12,1
-Plastic products	3,0	169,1	165,3	-2,2	9 042 083	10 717 441	18,5
Glass and non-metallic mineral products	3,9	129,8	123,1	-5,2	7 747 336	8 124 184	4,9
-Glass and glass products	1,1	158,4	176,6	11,5	1 491 917	1 706 045	14,4
-Non-metallic mineral products	2,9	119,2	103,2	-13,4	6 255 419	6 418 139	2,6
Basic iron and steel, non-ferrous metal products, metal products and machinery	22,4	119,0	97,7	-17,9	61 009 490	56 637 789	-7,2
-Basic iron and steel products	5,5	106,4	51,7	-51,4	24 382 792	17 941 301	-26,4
-Non-ferrous metal products	4,7	116,3	104,8	-9,9	9 075 355	9 312 665	2,6
-Structural metal products	1,3	129,3	117,8	-8,9	4 645 809	5 078 608	9,3
-Other fabricated metal products	4,2	123,2	121,0	-1,8	8 635 662	10 269 353	18,9
-General purpose machinery	2,4	112,7	90,6	-19,6	5 291 122	5 289 543	0,0
-Special purpose machinery	3,2	142,6	131,1	-8,1	6 813 104	6 551 551	-3,8
-Household appliances	1,2	113,0	113,3	0,3	2 165 646	2 194 768	1,3
-Electrical machinery	2,7	96,0	101,7	5,9	7 812 154	8 591 734	10,0
Radio, television and communication apparatus and professional equipment	1,3	109,5	110,7	1,1	3 152 662	3 243 910	2,9
-Radio, television and communication apparatus	0,7	96,6	101,5	5,1	1 429 962	1 510 924	5,7
-Professional equipment	0,6	122,7	120,0	-2,2	1 722 700	1 732 986	0,6
Motor vehicles, parts and accessories and other transport equipment	8,6	130,0	89,0	-31,5	40 576 530	36 151 733	-10,9
-Motor vehicles	4,1	122,5	86,0	-29,8	19 544 691	19 554 610	0,1
-Bodies for motor vehicles, trailers and semi-trailers	0,4	192,7	171,0	-11,3	2 190 906	1 975 091	-9,9
-Parts and accessories	3,1	144,6	76,8	-46,9	15 977 461	10 723 903	-32,9
-Other transport equipment	1,0	91,5	108,7	18,8	2 863 472	3 898 129	36,1
Furniture and other manufacturing division	5,8	118,6	106,6	-10,1	13 855 618	12 829 386	-7,4
-Furniture	1,6	132,5	125,9	-5,0	3 138 331	3 220 413	2,6
-Other manufacturing groups	4,2	113,3	99,4	-12,3	10 717 287	9 608 973	-10,3
Total	100,0	119,8	110,2	-8,0	285 448 205	293 013 638	2,7

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 January 2009 was 82,9%. Improved response rate for December 2008 was 85,3%.
- 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 2009, 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 2009).
- 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 |
- Changes in forthcoming issue** 26 The results for manufacturing production to be published in the February 2009 release will be presented for reference year 2005. Indices of major groups are arithmetically converted to base 2005 = 100.
- In addition, new weights (weighting factors) based on the value added results of the 2005 large sample survey of manufacturing will be implemented for the period from January 2005 in order to obtain division and total manufacturing indices.

Technical notes

27 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 - 2009	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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