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# INDUSTRIAL PRODUCER PRICE INDEX, DECEMBER 2022

## Producer prices of industrial products (total)

In December 2022, producer prices of industrial products for total industry decreased by 2.1% compared to November 2022 and increased by 14.9% compared to December 2021.

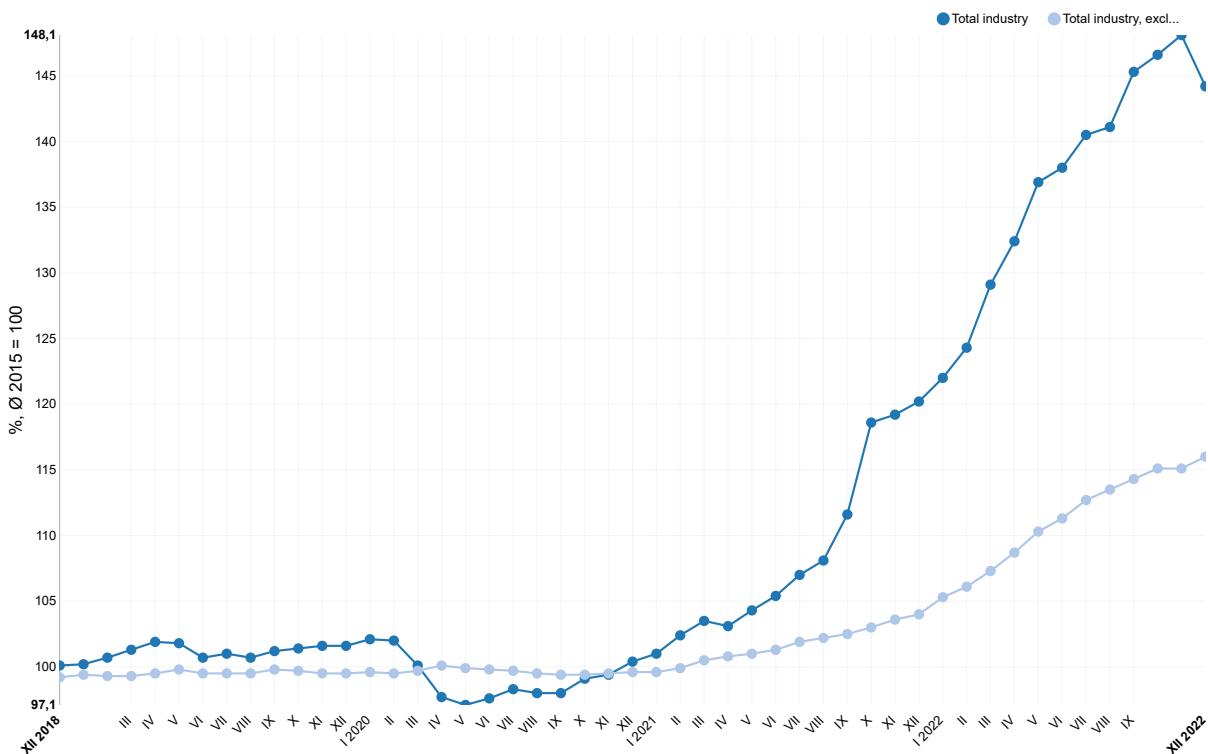
Comparison of producer prices of industrial products for total industry, excluding Energy, shows that in December 2022 they increased by 0.4% compared to November 2022. Compared to December 2021, they increased by 9.7%.

## Producer prices of industrial products on the domestic market (total)

In December 2022, producer prices of industrial products on the domestic market for total industry decreased by 2.6% compared to November 2022 and increased by 19.9% compared to December 2021.

Comparison of producer prices of industrial products on the domestic market for total industry, excluding Energy, shows that in December 2022 they increased by 0.8% compared to November 2022. Compared to December 2021, they increased by 11.5%.

## G-1 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, DECEMBER 2018 – DECEMBER 2022



## Producer prices of industrial products on the non-domestic market (total)

In December 2022, producer prices of industrial products on the non-domestic market for total industry decreased by 1.3% compared to November 2022. As compared to December 2021, they increased by 8.8%.

Comparison of producer prices of industrial products on the non-domestic market for total industry, excluding Energy, shows that in December 2022 they remained stable compared to November 2022. Compared to December 2021, they increased by 8.0%.

## MIGs 2009. aggregates

## Producer prices of industrial products (total)

In December 2022, as compared to November 2022, producer prices of industrial products increased in Non-durable consumer goods by 1.1% they decreased in Energy by 10.4%, in Intermediate goods by 0.2% and in Capital goods by 0.1%, while they remained stable in Durable consumer goods.

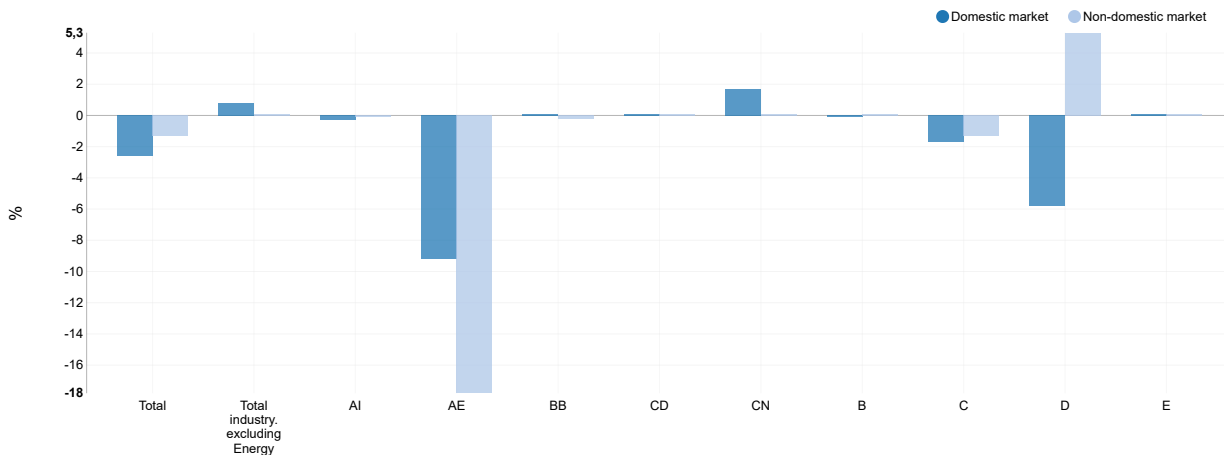
In December 2022, as compared to December 2021, producer prices of industrial products increased in Energy by 40.6%, in Non-durable consumer goods by 11.2%, in Intermediate goods by 9.8%, in Capital goods by 6.7% and in Durable consumer goods by 4.8%.

#### Producer prices of industrial products on the domestic market

In December 2022, as compared to November 2022, producer prices of industrial products increased in Non-durable consumer goods by 1.7% and in Capital goods by 0.1%, they decreased in Energy by 9.2% and in Intermediate goods by 0.3%, while they remained stable in Durable consumer goods.

In December 2022, as compared to December 2021, producer prices of industrial products increased in Energy by 43.5%, in Non-durable consumer goods by 14.5%, in Durable consumer goods by 12.5%, in Intermediate goods by 9.2% and in Capital goods by 5.9%.

#### G-2 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, DECEMBER 2022



#### MIGs 2009.

AI Intermediate goods  
 AE Energy  
 BB Capital goods  
 CD Durable consumer goods  
 CN Non-durable consumer goods

#### NKD 2007. sections

B Mining and quarrying  
 C Manufacturing  
 D Electricity, gas, steam and air conditioning supply  
 E Water supply; sewerage, waste management and remediation activities

#### Producer prices of industrial products on the non-domestic market

In December 2022, as compared to November 2022, producer prices increased in Durable consumer goods by 0.1% and in Non-durable consumer goods by 0.1%, while they decreased in Energy by 17.8%, in Capital goods by 0.2% and in Intermediate goods by 0.1%.

In December 2022, as compared to December 2021, producer prices increased in Energy by 23.0%, in Intermediate goods by 10.2%, in Capital goods by 7.3%, in Non-durable consumer goods by 6.5% and in Durable consumer goods by 0.4%.

#### NKD 2007. industrial sections

##### Producer prices of industrial products (total)

In December 2022, as compared to November 2022, producer prices decreased in Electricity, gas, steam and air conditioning supply by 5.8%, in Manufacturing by 1.5% and in Mining and quarrying by 0.1%, while they remained stable in Water supply; sewerage, waste management and remediation activities (only division 36).

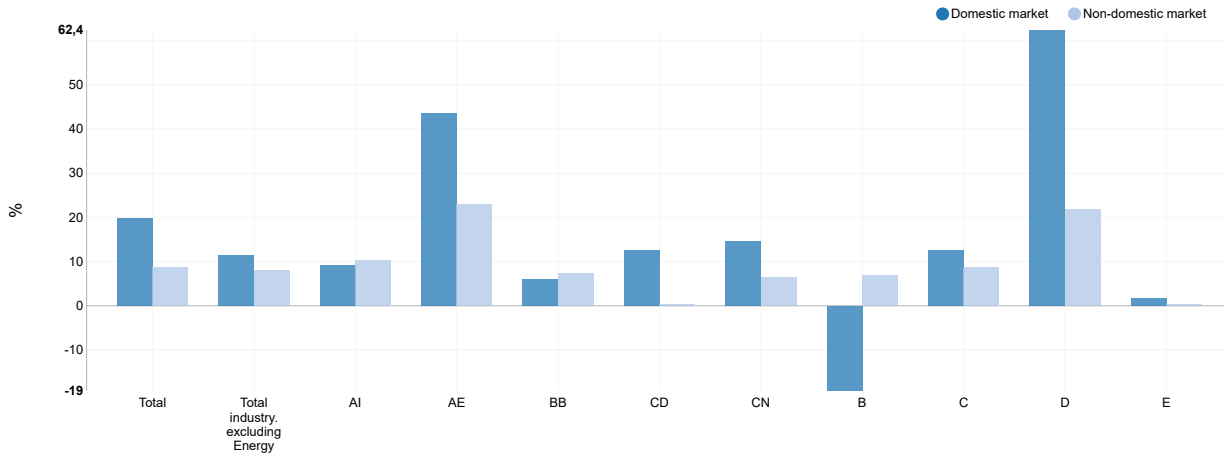
In December 2022, as compared to December 2021, producer prices increased in Electricity, gas, steam and air conditioning supply by 62.4%, in Manufacturing by 10.6% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 1.7%, while they decreased in Mining and quarrying by 18.4%.

#### Producer prices of industrial products on the domestic market

In December 2022, as compared to November 2022, producer prices decreased in Electricity, gas, steam and air conditioning supply by 5.8%, in Manufacturing by 1.7% and in Mining and quarrying by 0.1%, while they remained stable in Water supply; sewerage, waste management and remediation activities (only division 36).

In December 2022, as compared to December 2021, producer prices increased in Electricity, gas, steam and air conditioning supply by 62.4%, in Manufacturing by 12.5% and in Water supply; sewerage, waste management and remediation activities (only division 36) by 1.7%, while they decreased in Mining and quarrying by 19.2%.

**G-3 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, PRICE CHANGES COMPARED WITH SAME MONTH OF PREVIOUS YEAR, DECEMBER 2022**



**MIGs 2009.**

- AI Intermediate goods
- AE Energy
- BB Capital goods
- CD Durable consumer goods
- CN Non-durable consumer goods

**NKD 2007. sections**

- B Mining and quarrying
- C Manufacturing
- D Electricity, gas, steam and air conditioning supply
- E Water supply; sewerage, waste management and remediation activities

**Producer prices of industrial products on the non-domestic market**

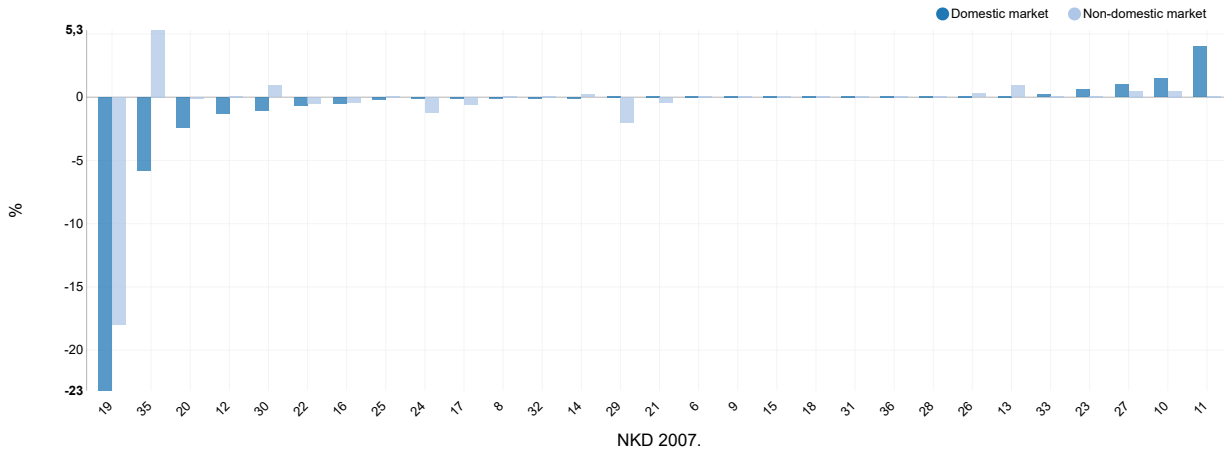
In December 2022, as compared to November 2022, producer prices increased in Electricity, gas, steam and air conditioning supply by 5.3%, they decreased in Manufacturing by 1.3%, while they remained stable in Mining and quarrying.

In December 2022, as compared to December 2021, producer prices increased in Electricity, gas, steam and air conditioning supply by 21.8%, in Manufacturing by 8.8% and in Mining and quarrying by 7.0%.

1 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, NON-DOMESTIC MARKET AND TOTAL, ACCORDING TO MIGs 2009. AND NKD 2007. SECTIONS AND DIVISIONS, DECEMBER 2022

	Domestic market		Non-domestic market		Total	
	XII 2022 XI 2022	XII 2022 XII 2021	XII 2022 XI 2022	XII 2022 XII 2021	XII 2022 XI 2022	XII 2022 XII 2021
Total industry	97,4	119,9	98,7	108,8	97,9	114,9
Total industry, excluding Energy	100,8	111,5	100,0	108,0	100,4	109,7
<b>According to MIGs 2009.</b>						
AI Intermediate goods	99,7	109,2	99,9	110,2	99,8	109,8
AE Energy	90,8	143,5	82,2	123,0	89,6	140,6
BB Capital goods	100,1	105,9	99,8	107,3	99,9	106,7
CD Durable consumer goods	100,0	112,5	100,1	100,4	100,0	104,8
CN Non-durable consumer goods	101,7	114,5	100,1	106,5	101,1	111,2
<b>According to NKD 2007. sections and divisions</b>						
B Mining and quarrying	99,9	80,8	100,0	107,0	99,9	81,6
06 Extraction of crude petroleum and natural gas	100,0	40,0	...	...	100,0	40,0
08 Other mining and quarrying	99,9	107,2	100,0	107,0	99,9	107,2
09 Mining support service activities	100,0	100,0	...	...	100,0	100,0
C Manufacturing	98,3	112,5	98,7	108,8	98,5	110,6
10 Manufacture of food products	101,5	117,1	100,5	115,8	101,3	116,8
11 Manufacture of beverages	104,0	115,1	100,0	113,1	103,2	114,7
12 Manufacture of tobacco products	98,7	109,4	100,1	106,1	99,0	108,6
13 Manufacture of textiles	100,1	104,7	100,9	104,4	100,7	104,4
14 Manufacture of wearing apparel	99,9	104,1	100,2	100,9	100,1	101,6
15 Manufacture of leather and related products	100,0	102,2	100,0	99,2	100,0	99,6
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	99,5	110,8	99,6	113,5	99,6	112,4
17 Manufacture of paper and paper products	99,9	116,0	99,4	117,1	99,6	116,6
18 Printing and reproduction of recorded media	100,0	103,8	100,0	105,0	100,0	104,4
19 Manufacture of coke and refined petroleum products	76,8	123,5	82,0	123,0	78,9	123,3
20 Manufacture of chemicals and chemical products	97,6	99,8	99,9	108,8	98,9	104,7
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	100,0	102,7	99,6	99,9	99,7	100,3
22 Manufacture of rubber and plastic products	99,3	104,9	99,5	101,5	99,4	102,9
23 Manufacture of other non-metallic mineral products	100,6	114,3	100,0	124,7	100,3	119,8
24 Manufacture of basic metals	99,9	108,2	98,8	104,8	99,0	105,4
25 Manufacture of fabricated metal products, except machinery and equipment	99,8	105,2	100,0	104,7	99,9	104,9
26 Manufacture of computer, electronic and optical products	100,1	101,7	100,3	105,0	100,2	103,9
27 Manufacture of electrical equipment	101,0	105,2	100,5	104,3	100,6	104,5
28 Manufacture of machinery and equipment n. e. c.	100,0	103,7	100,1	104,6	100,0	104,4
29 Manufacture of motor vehicles, trailers and semi-trailers	100,0	110,0	98,0	104,6	98,2	105,1
30 Manufacture of other transport equipment	98,9	98,9	100,9	112,3	100,7	110,9
31 Manufacture of furniture	100,0	113,6	100,0	98,4	100,0	104,0
32 Other manufacturing	99,9	104,6	100,0	104,5	100,0	104,5
33 Repair and installation of machinery and equipment	100,2	108,1	100,0	116,1	100,1	110,9
D Electricity, gas, steam and air conditioning supply	94,2	162,4	105,3	121,8	94,2	162,4
35 Electricity, gas, steam and air conditioning supply	94,2	162,4	105,3	121,8	94,2	162,4
E Water supply; sewerage, waste management and remediation activities	100,0	101,7	...	...	100,0	101,7
36 Water collection, treatment and supply	100,0	101,7	...	...	100,0	101,7

**G-4 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC AND NON-DOMESTIC MARKET, ACCORDING TO NKD 2007. DIVISIONS, PRICE CHANGES COMPARED WITH PREVIOUS MONTH, DECEMBER 2022**



## NKD 2007. Divisions

- 06 Extraction of crude petroleum and natural gas
- 08 Other mining and quarrying
- 09 Mining support service activities
- 10 Manufacture of food products
- 11 Manufacture of beverages
- 12 Manufacture of tobacco products
- 13 Manufacture of textiles
- 14 Manufacture of wearing apparel
- 15 Manufacture of leather and related products
- 16 Manufacture of wood and of products of wood and cork, except furniture;  
manufacture of articles of straw and plaiting materials
- 17 Manufacture of paper and paper products
- 18 Printing and reproduction of recorded media
- 19 Manufacture of coke and refined petroleum products
- 20 Manufacture of chemicals and chemical products
- 21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
- 22 Manufacture of rubber and plastic products
- 23 Manufacture of other non-metallic mineral products
- 24 Manufacture of basic metals
- 25 Manufacture of fabricated metal products, except machinery and equipment
- 26 Manufacture of computer, electronic and optical products
- 27 Manufacture of electrical equipment
- 28 Manufacture of machinery and equipment n. e. c.
- 29 Manufacture of motor vehicles, trailers and semi-trailers
- 30 Manufacture of other transport equipment
- 31 Manufacture of furniture
- 32 Other manufacturing
- 33 Repair and installation of machinery and equipment
- 35 Electricity, gas, steam and air conditioning supply
- 36 Water collection, treatment and supply

2 INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, ACCORDING TO MIGs 2009. AND TO NKD 2007.  
SECTIONS AND DIVISIONS, DECEMBER 2022

	2022						
	VI	VII	VIII	IX	X	XI	XII
Total industry	138,0	140,5	141,1	145,3	146,6	148,1	144,2
Total industry, excluding Energy	111,3	112,7	113,5	114,3	115,1	115,1	116,0
<b>According to MIGs 2009.</b>							
AI Intermediate goods	117,5	118,6	118,9	119,6	120,3	120,2	119,8
AE Energy	213,6	219,9	219,7	237,1	240,1	247,4	224,5
BB Capital goods	106,5	107,1	108,2	108,1	108,9	108,9	109,0
CD Durable consumer goods	111,6	112,9	113,2	115,7	114,9	114,9	114,9
CN Non-durable consumer goods	109,6	111,4	112,4	113,4	114,4	114,4	116,4
<b>According to NKD 2007. sections and divisions</b>							
B Mining and quarrying	490,7	513,5	498,5	745,1	667,6	397,0	396,6
06 Extraction of crude petroleum and natural gas	912,8	1)	945,3	1)	1)	390,7	390,7
08 Other mining and quarrying	115,7	116,5	116,6	116,9	117,3	117,5	117,3
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	120,8	122,2	121,0	122,2	122,6	123,7	121,6
10 Manufacture of food products	112,3	114,9	116,0	117,2	118,2	117,9	119,6
11 Manufacture of beverages	109,2	110,1	110,7	110,9	112,6	113,0	117,5
12 Manufacture of tobacco products	133,4	133,4	147,9	147,9	147,9	147,9	145,9
13 Manufacture of textiles	105,2	106,2	106,3	106,6	106,9	107,0	107,1
14 Manufacture of wearing apparel	100,4	100,5	101,1	101,7	101,8	102,0	101,9
15 Manufacture of leather and related products	105,4	105,9	105,9	105,9	105,9	106,0	106,0
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	121,1	122,7	122,9	124,2	125,5	125,8	125,2
17 Manufacture of paper and paper products	124,2	127,3	127,6	129,7	129,7	129,6	129,4
18 Printing and reproduction of recorded media	104,6	104,7	104,6	105,6	105,8	105,9	105,9
19 Manufacture of coke and refined petroleum products	221,9	223,5	191,4	198,3	191,1	209,2	160,7
20 Manufacture of chemicals and chemical products	108,8	108,1	108,7	109,0	111,1	111,9	109,2
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	102,4	102,4	102,5	102,5	102,5	105,0	105,0
22 Manufacture of rubber and plastic products	112,1	112,4	112,1	112,0	111,7	110,8	110,0
23 Manufacture of other non-metallic mineral products	116,5	117,9	118,9	120,6	122,3	122,5	123,3
24 Manufacture of basic metals	121,0	122,8	122,7	123,2	123,1	124,6	124,5
25 Manufacture of fabricated metal products, except machinery and equipment	117,1	116,8	117,2	117,0	117,5	117,3	117,0
26 Manufacture of computer, electronic and optical products	95,5	95,8	95,6	95,8	96,2	96,0	96,1
27 Manufacture of electrical equipment	114,3	113,3	114,0	113,8	112,7	111,6	112,7
28 Manufacture of machinery and equipment n. e. c.	107,0	106,2	106,2	106,2	106,8	106,8	106,8
29 Manufacture of motor vehicles, trailers and semi-trailers	108,0	108,0	108,0	110,2	110,2	110,2	110,2
30 Manufacture of other transport equipment	93,5	93,5	93,5	93,5	93,5	93,5	92,5
31 Manufacture of furniture	113,5	114,9	114,9	116,6	116,8	116,8	116,8
32 Other manufacturing	104,4	104,8	105,3	107,0	105,1	105,3	105,2
33 Repair and installation of machinery and equipment	102,8	104,3	106,3	106,4	107,5	107,7	107,9
D Electricity, gas, steam and air conditioning supply	139,6	144,8	153,6	160,1	168,1	181,2	170,6
35 Electricity, gas, steam and air conditioning supply	139,6	144,8	153,6	160,1	168,1	181,2	170,6
E Water supply; sewerage, waste management and remediation activities	101,1	101,2	101,9	101,9	101,9	102,1	102,1
36 Water collection, treatment and supply	101,1	101,2	101,9	101,9	101,9	102,1	102,1

1) Index exceeds 999.

### 3 INDUSTRIAL PRODUCER PRICE INDICES ON NON-DOMESTIC MARKET, ACCORDING TO MIGs 2009. AND TO NKD 2007. SECTIONS AND DIVISIONS, DECEMBER 2022

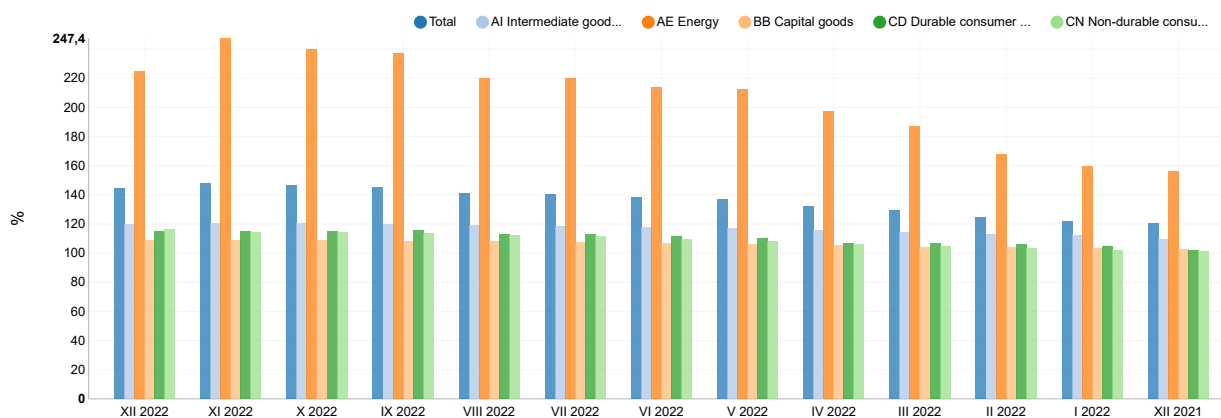
	2022						
	VI	VII	VIII	IX	X	XI	XII
Total industry	116,5	116,4	115,7	116,0	117,8	117,3	115,7
Total industry, excluding Energy	110,4	111,1	111,5	111,9	112,9	112,9	112,8
<b>According to MIGs 2009.</b>							
AI Intermediate goods	114,5	115,2	115,0	115,9	116,3	116,4	116,3
AE Energy	220,2	202,5	179,3	177,6	195,2	183,7	151,0
BB Capital goods	109,9	111,6	113,5	113,1	114,3	114,3	114,1
CD Durable consumer goods	104,0	104,8	104,4	101,5	101,8	102,2	102,3
CN Non-durable consumer goods	105,9	106,1	106,5	107,1	108,8	108,7	108,8
<b>According to NKD 2007. sections and divisions</b>							
B Mining and quarrying	127,6	127,6	127,6	127,7	127,7	126,3	126,3
06 Extraction of crude petroleum and natural gas	...	...	...	...	...	...	...
08 Other mining and quarrying	116,7	116,7	116,7	116,7	116,7	115,4	115,4
09 Mining support service activities	...	...	...	...	...	...	...
C Manufacturing	116,3	116,2	115,4	115,7	117,5	117,0	115,4
10 Manufacture of food products	107,7	108,0	109,0	110,1	113,7	114,6	115,2
11 Manufacture of beverages	111,1	112,7	112,3	115,0	116,9	116,8	116,8
12 Manufacture of tobacco products	127,0	127,3	129,2	131,8	130,6	129,3	129,4
13 Manufacture of textiles	97,7	97,7	97,7	97,6	98,4	98,1	98,9
14 Manufacture of wearing apparel	97,0	97,0	97,0	97,0	97,0	97,3	97,4
15 Manufacture of leather and related products	102,0	102,5	103,2	103,2	103,3	99,2	99,2
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	117,1	118,2	119,3	120,2	121,1	121,9	121,4
17 Manufacture of paper and paper products	134,8	140,9	139,2	140,2	141,0	139,8	139,0
18 Printing and reproduction of recorded media	99,0	99,0	99,0	99,1	101,9	102,0	102,0
19 Manufacture of coke and refined petroleum products	219,7	201,8	177,3	175,3	193,6	183,0	150,0
20 Manufacture of chemicals and chemical products	111,0	111,7	111,2	111,0	112,0	114,9	114,8
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	108,3	108,2	108,2	108,3	108,7	108,4	108,0
22 Manufacture of rubber and plastic products	102,5	100,9	98,9	97,6	96,0	95,8	95,3
23 Manufacture of other non-metallic mineral products	123,9	124,5	125,6	130,6	132,5	132,2	132,2
24 Manufacture of basic metals	117,1	120,4	119,3	119,4	118,2	116,6	115,2
25 Manufacture of fabricated metal products, except machinery and equipment	114,6	114,8	114,8	114,4	114,7	114,6	114,6
26 Manufacture of computer, electronic and optical products	93,7	94,5	94,5	94,5	94,5	94,5	94,8
27 Manufacture of electrical equipment	106,5	106,2	105,8	106,0	106,2	106,5	107,0
28 Manufacture of machinery and equipment n. e. c.	107,8	108,4	108,5	108,7	109,6	109,8	109,9
29 Manufacture of motor vehicles, trailers and semi-trailers	105,9	106,9	106,9	107,1	107,8	107,9	105,7
30 Manufacture of other transport equipment	108,3	110,8	110,8	117,6	119,2	116,7	117,7
31 Manufacture of furniture	102,6	103,2	103,3	100,0	100,1	100,3	100,3
32 Other manufacturing	114,2	116,1	116,1	116,1	116,1	116,1	116,1
33 Repair and installation of machinery and equipment	121,1	127,9	140,1	135,3	139,9	139,9	139,9
D Electricity, gas, steam and air conditioning supply	148,4	149,2	252,9	277,2	234,8	152,9	161,0
35 Electricity, gas, steam and air conditioning supply	148,4	149,2	252,9	277,2	234,8	152,9	161,0
E Water supply; sewerage, waste management and remediation activities	...	...	...	...	...	...	...
36 Water collection, treatment and supply	...	...	...	...	...	...	...

#### 4 INDUSTRIAL PRODUCER PRICE INDICES, TOTAL AND ACCORDING TO MIGs 2009. AND TO NKD 2007. SECTIONS AND DIVISIONS, DECEMBER 2022



	2022						
	VI	VII	VIII	IX	X	XI	XII
Total industry	127,5	128,7	128,7	131,0	132,5	133,0	130,2
Total industry, excluding Energy	110,6	111,6	112,2	112,8	113,7	113,7	114,1
<b>According to MIGs 2009.</b>							
AI Intermediate goods	115,7	116,5	116,5	117,3	117,9	117,9	117,7
AE Energy	213,6	212,0	207,9	221,7	227,1	231,1	207,1
BB Capital goods	108,6	109,8	111,4	111,1	112,2	112,2	112,1
CD Durable consumer goods	107,1	108,1	107,9	106,9	106,8	107,0	107,0
CN Non-durable consumer goods	107,6	108,8	109,6	110,4	111,7	111,6	112,8
<b>According to NKD 2007. sections and divisions</b>							
B Mining and quarrying	480,1	501,7	487,5	721,0	647,7	391,3	390,9
06 Extraction of crude petroleum and natural gas	912,8	1)	945,3	1)	1)	390,7	390,7
08 Other mining and quarrying	115,7	116,5	116,6	116,3	116,7	116,8	116,7
09 Mining support service activities	100,0	100,0	100,0	100,0	100,0	100,0	100,0
C Manufacturing	118,7	119,3	118,3	119,0	120,1	120,4	118,6
10 Manufacture of food products	111,3	113,3	114,4	115,5	117,1	117,1	118,6
11 Manufacture of beverages	109,6	110,7	111,1	111,8	113,5	113,8	117,5
12 Manufacture of tobacco products	129,8	129,9	141,0	141,7	141,4	141,1	139,7
13 Manufacture of textiles	99,5	99,7	99,7	99,7	100,4	100,2	100,9
14 Manufacture of wearing apparel	97,8	97,8	97,9	98,1	98,1	98,4	98,5
15 Manufacture of leather and related products	102,5	103,0	103,6	103,6	103,6	100,1	100,1
16 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	118,6	119,9	120,7	121,8	122,9	123,5	123,0
17 Manufacture of paper and paper products	131,3	136,0	135,3	136,9	137,3	136,6	136,1
18 Printing and reproduction of recorded media	103,1	103,2	103,1	103,7	105,1	105,2	105,2
19 Manufacture of coke and refined petroleum products	219,7	212,6	184,0	186,9	191,1	196,3	155,0
20 Manufacture of chemicals and chemical products	109,9	110,0	110,0	110,0	111,5	113,5	112,2
21 Manufacture of basic pharmaceutical products and pharmaceutical preparations	106,9	106,8	106,8	106,9	107,2	107,3	106,9
22 Manufacture of rubber and plastic products	108,2	107,4	106,0	105,2	104,1	103,6	103,0
23 Manufacture of other non-metallic mineral products	121,0	121,9	123,0	126,5	128,3	128,2	128,6
24 Manufacture of basic metals	118,0	121,0	120,1	120,3	119,3	118,2	117,0
25 Manufacture of fabricated metal products, except machinery and equipment	115,5	115,5	115,7	115,3	115,7	115,5	115,4
26 Manufacture of computer, electronic and optical products	94,4	95,1	95,0	95,1	95,2	95,1	95,3
27 Manufacture of electrical equipment	108,8	108,4	108,3	108,4	108,3	108,3	109,0
28 Manufacture of machinery and equipment n. e. c.	107,5	107,9	108,0	108,2	109,0	109,1	109,1
29 Manufacture of motor vehicles, trailers and semi-trailers	106,8	107,7	107,7	108,1	108,7	108,8	106,8
30 Manufacture of other transport equipment	104,2	106,4	106,4	112,3	113,7	111,5	112,3
31 Manufacture of furniture	106,9	107,8	107,8	106,4	106,5	106,6	106,6
32 Other manufacturing	107,0	107,9	108,2	109,3	108,1	108,2	108,2
33 Repair and installation of machinery and equipment	109,4	112,6	117,8	116,4	118,6	118,8	118,9
D Electricity, gas, steam and air conditioning supply	139,6	144,8	153,6	160,1	168,1	180,9	170,3
35 Electricity, gas, steam and air conditioning supply	139,6	144,8	153,6	160,1	168,1	180,9	170,3
E Water supply; sewerage, waste management and remediation activities	101,1	101,2	101,9	101,9	101,9	102,1	102,1
36 Water collection, treatment and supply	101,1	101,2	101,9	101,9	101,9	102,1	102,1

1) Index exceeds 999.

**G-6 INDUSTRIAL PRODUCER PRICE INDEX ON DOMESTIC MARKET, TOTAL INDUSTRY AND ACCORDING TO MIGs 2009.**

**5 MONTHLY INDUSTRIAL PRODUCER PRICE INDICES ON DOMESTIC MARKET, TOTAL INDUSTRY**

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2015	99,2	100,5	101,8	101,2	101,8	101,4	100,9	99,5	99,0	99,0	98,4	97,4
2016	96,4	95,7	96,7	95,3	95,4	96,5	95,9	94,6	96,0	97,0	95,8	97,5
2017	98,1	98,1	97,7	98,1	97,6	96,9	97,0	97,6	98,0	98,3	99,6	99,5
2018	99,6	99,1	99,0	99,5	100,3	100,2	100,9	101,0	101,4	101,9	101,3	100,1
2019	100,2	100,7	101,3	101,9	101,8	100,7	101,0	100,7	101,2	101,4	101,6	101,6
2020	102,1	102,0	100,1	97,7	97,1	97,6	98,3	98,0	98,0	99,1	99,4	100,4
2021	101,0	102,4	103,5	103,1	104,3	105,4	107,0	108,1	111,6	118,6	119,2	120,2
2022	122,0	124,3	129,1	132,4	136,9	138,0	140,5	141,1	145,3	146,6	148,1	144,2
<b>Previous month = 100</b>												
2015	97,6	101,3	101,3	99,4	100,6	99,6	99,5	98,6	99,5	100,0	99,4	99,0
2016	99,0	99,3	101,0	98,6	100,1	101,2	99,4	98,6	101,5	101,0	98,8	101,8
2017	100,6	100,0	99,6	100,4	99,5	99,3	100,1	100,6	100,4	100,3	101,3	99,9
2018	100,1	99,5	99,9	100,5	100,8	99,9	100,7	100,1	100,4	100,5	99,4	98,9
2019	100,1	100,5	100,6	100,6	99,9	98,9	100,3	99,7	100,5	100,2	100,2	100,0
2020	100,5	99,9	98,1	97,6	99,4	100,5	100,7	99,7	100,0	101,1	100,3	101,0
2021	100,6	101,4	101,0	99,6	101,2	101,1	101,5	101,0	103,2	106,3	100,5	100,8
2022	101,5	101,9	103,9	102,6	103,4	100,8	101,8	100,5	103,0	100,9	101,0	97,4
<b>Same month of previous year = 100</b>												
2016	97,2	95,2	95,0	94,2	93,7	95,2	95,0	95,1	97,0	98,0	97,4	100,1
2017	101,8	102,5	101,0	102,9	102,3	100,4	101,1	103,2	102,1	101,3	104,0	102,1
2018	101,5	101,0	101,2	101,4	102,9	103,4	104,0	103,4	103,4	103,6	101,6	100,5
2019	100,5	101,6	102,3	102,4	101,4	100,4	100,0	99,7	99,7	99,5	100,3	101,4
2020	101,8	101,3	98,8	95,8	95,3	96,9	97,3	97,3	96,8	97,6	97,7	98,8
2021	98,8	100,2	103,2	105,3	107,3	107,8	108,7	110,2	113,7	119,6	119,8	119,6
2022	120,7	121,3	124,7	128,4	131,2	130,8	131,2	130,5	130,2	123,6	124,2	119,9

**6 MONTHLY INDUSTRIAL PRODUCER PRICE INDICES ON NON-DOMESTIC MARKET, TOTAL INDUSTRY**

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2016	96,0	94,7	95,9	94,7	96,0	96,4	95,4	95,1	95,9	96,9	96,4	98,1
2017	98,8	98,4	97,3	98,4	97,2	96,5	96,4	96,8	97,5	97,8	99,3	99,1
2018	99,5	98,4	98,6	99,1	100,1	99,9	100,1	100,4	100,8	100,9	99,9	98,8
2019	99,3	99,3	100,6	101,6	101,5	100,1	100,5	100,0	100,0	100,3	99,8	99,3
2020	99,9	99,8	96,1	93,6	92,6	94,5	95,1	94,5	93,7	94,3	94,6	95,4
2021	96,6	97,9	99,9	99,5	100,1	100,6	101,7	102,2	103,2	106,1	106,5	106,3
2022	108,6	109,7	112,9	113,5	114,9	116,5	116,4	115,7	116,0	117,8	117,3	115,7
<b>Previous month = 100</b>												
2016	98,2	98,6	101,3	98,7	101,4	100,4	99,0	99,7	100,8	101,0	99,5	101,8
2017	100,7	99,6	98,9	101,1	98,8	99,3	99,9	100,4	100,7	100,3	101,5	99,8
2018	100,4	98,9	100,2	100,5	101,0	99,8	100,2	100,3	100,4	100,1	99,0	98,9
2019	100,6	100,0	101,3	101,0	99,9	98,6	100,4	99,5	100,0	100,3	99,5	99,5
2020	100,6	99,9	96,3	97,4	98,9	102,0	100,6	99,3	99,2	100,7	100,3	100,8
2021	101,2	101,3	102,0	99,6	100,7	100,5	101,1	100,5	101,0	102,8	100,4	99,8
2022	102,2	101,0	102,9	100,5	101,3	101,4	99,9	99,4	100,3	101,5	99,6	98,7
<b>Same month of previous year = 100</b>												
2017	102,9	103,9	101,5	103,9	101,3	100,1	101,0	101,8	101,7	100,9	103,0	101,0
2018	100,8	100,1	101,3	100,7	103,0	103,6	104,0	103,9	103,5	103,3	100,7	99,8
2019	100,0	101,1	102,2	102,7	101,5	100,3	100,5	99,7	99,3	99,5	100,0	100,6
2020	100,6	100,6	95,5	92,1	91,2	94,3	94,5	94,3	93,6	93,9	94,7	96,0
2021	96,6	97,9	103,8	106,2	108,1	106,5	106,9	108,2	110,1	112,5	112,6	111,4
2022	112,4	112,1	113,0	114,0	114,7	115,8	114,4	113,2	112,4	111,0	110,1	108,8

## 7 MONTHLY TOTAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL INDUSTRY

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
<b>2015 = 100</b>												
2017	98,4	98,2	97,6	98,2	97,5	96,8	96,8	97,3	97,8	98,1	99,5	99,4
2018	99,6	98,8	98,8	99,3	100,2	100,0	100,5	100,7	101,1	101,4	100,6	99,5
2019	99,8	100,1	101,0	101,8	101,7	100,4	100,8	100,4	100,6	100,9	100,8	100,6
2020	101,2	101,1	98,4	95,9	95,1	96,2	96,8	96,3	95,9	96,8	97,1	98,0
2021	98,8	100,1	101,6	101,2	102,2	103,0	104,3	105,1	107,4	112,5	113,0	113,5
2022	115,5	117,2	121,2	123,2	126,2	127,5	128,7	128,7	131,0	132,5	133,0	130,2
<b>Previous month = 100</b>												
2017	100,7	99,8	99,4	100,6	99,2	99,3	100,0	100,6	100,5	100,3	101,4	99,9
2018	100,2	99,2	100,0	100,5	100,9	99,9	100,5	100,2	100,4	100,3	99,2	98,9
2019	100,3	100,3	100,9	100,8	99,9	98,8	100,4	99,6	100,2	100,3	99,9	99,8
2020	100,6	99,9	97,3	97,5	99,2	101,2	100,7	99,5	99,6	100,9	100,3	101,0
2021	100,9	101,4	101,5	99,6	100,9	100,8	101,3	100,8	102,2	104,8	100,5	100,4
2022	101,8	101,5	103,4	101,7	102,5	101,0	101,0	100,0	101,8	101,2	100,4	97,9
<b>Same month of previous year = 100</b>												
2017	102,2	102,9	101,3	103,3	101,8	100,2	100,9	102,6	102,0	101,1	103,7	101,7
2018	101,2	100,6	101,3	101,1	102,9	103,5	104,0	103,6	103,4	103,4	101,2	100,2
2019	100,3	101,4	102,3	102,5	101,5	100,4	100,3	99,7	99,6	99,5	100,1	101,0
2020	101,3	100,9	97,3	94,1	93,4	95,8	96,0	95,9	95,4	96,0	96,4	97,5
2021	97,8	99,2	103,5	105,8	107,6	107,2	107,9	109,3	112,1	116,4	116,6	116,0
2022	117,1	117,2	119,5	121,9	123,7	124,0	123,6	122,6	122,1	117,9	117,9	114,9

## 8 AVERAGE ANNUAL INDUSTRIAL PRODUCER PRICE INDICES, TOTAL, ON DOMESTIC AND NON-DOMESTIC MARKET

	Total		Domestic market		Non-domestic market	
	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100	Previous year = 100	2015 = 100
2012	105,4	106,8	107,0	106,4	102,5	107,2
2013	99,8	106,6	100,5	106,9	98,6	105,8
2014	97,5	103,9	97,3	104,0	97,9	103,5
2015	96,3	100,0	96,1	100,0	96,6	100,0
2016	96,0	95,7	96,0	96,1	95,9	96,0
2017	102,0	97,5	102,1	98,0	101,9	97,8
2018	102,1	100,0	102,4	100,4	102,0	99,7
2019	100,7	100,7	100,8	101,2	100,6	100,2
2020	96,7	97,4	98,0	99,2	95,1	95,3
2021	108,3	105,2	109,5	108,7	106,7	101,7

## NOTES ON METHODOLOGY

### Introduction

Industrial producer price indices on the domestic, non-domestic and total market are presented on an interannual chain and on a month-on-month basis as well as on the fixed base year 2015 = 100 due to the harmonisation with the Regulation (EU) No. 2019/2152 of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing 10 legal acts in the field of business statistics.

**Concepts, definitions and terminology** are completely harmonised in this First Release with those used and regulated by the EU. Therefore, the term "industrial producers' price index" has been changed to "industrial producer price index".

According to the EU terminology, the term "industrial producer price index" is also known as the "industrial output index" and the term "industrial producer prices" should be considered its synonym. If not specified, the term "industrial producer price index" denotes the "total industrial producer price index" (on the domestic and the non-domestic market).

### The concept of industrial producer prices and their purpose

**Total industrial producer price index** is composed of two sub-indices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market. The combination of sub-indices for these two markets provides the changes in given products/services, while their aggregation provides the divisions of products and activities.

**Industrial producer price index** measures the changes of producer prices of manufactured goods produced in the Republic of Croatia and sold by producers on the domestic (Croatian) and/or the non-domestic (non-Croatian) market.

**Industrial producer price index on the domestic market** measures the changes of producer prices of manufactured goods that are produced and sold by producers on the domestic (Croatian) market.

**Industrial producer price index on the non-domestic market** measures the changes of producer prices of manufactured goods that are sold by producers on foreign (non-Croatian) market.

The industrial producer price index is an important short-term indicator of the business cycle that shows monthly price changes in the total industrial sector (the NKD 2007. sections B, C, D and E – only division 36) on the domestic and the non-domestic market. According to the EU concept, it is an important business indicator that permits monthly monitoring of prices at different stages of the manufacturing process. It is also used for distinguishing effective growth of an activity due to price changes and provides information to the business community on particular markets of their interest. It can also indicate inflationary changes before they reach consumers.

### Presentation of the industrial producer price index

In this First Release, all indices are presented in gross (unadjusted) form. They were calculated on the basis of data collected through the revised Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) for 2022.

### Legal and methodological framework

The Monthly Survey on Industrial Producer Prices (IND-3/KPS/M form) in 2022 is carried out directly by the Croatian Bureau of Statistics on the basis of the Official Statistics Act (NN, No. 25/20). The internet application (CAWI method) is used in data collection. The reporting units directly access this application and enter their data on the basis of the instructions given.

The concepts and definitions used in the IND-3/KPS/M Survey are harmonised with the EU concepts and definitions, especially with the Regulation (EU) No. 2019/2152 of the European Parliament and of the Council and the Commission Regulation (EU) No. 2020/1197.

### Scope and coverage

The reporting units included in the IND-3/KPS/MSurvey are selected enterprises (legal entities and tradesmen) that produce selected products as defined in the Nomenclature of Industrial Products – NIP 2020., classified in the NKD 2007. (NN, Nos 58/07 and 72/07) activity sections B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply and E Water supply; sewerage, waste management and remediation activities (only division 36).

In order to collect data on industrial producer prices on the domestic and the non-domestic market, the IND-3/KPS/M Survey for 2022 covers a representative sample of industrial products at the level of covered activity classes of the NKD 2007., that is, all products **exceeding 20 million kuna on the domestic market and 15 million kuna on the non-domestic market** according to the results of the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2020, while the selection of enterprises has been done according to their share in the production of selected products, separately for the domestic and the non-domestic market.

For monitoring the **industrial producer prices on the domestic market**, the sample for the IND-3/KPS/M Survey for 2022 covers 2 021 item prices within the selected NIP 2020. products in 1 191 enterprises (legal entities and tradesmen), while for monitoring **industrial producer prices on the non-domestic market**, it covers 1 198 item prices within the selected NIP 2020. products in 712 enterprises (legal entities and tradesmen). In December 2022, the response rate was 96.6%, while the estimation rate of non-responded questionnaires was 3.4%.

### Reference point

All industrial producer prices are recorded as transaction prices in effect on the 15th day of the month indicated. The prices at which a producer sells products at the domestic and/or the non-domestic market in the largest quantities to known buyer are recorded.

Completed IND-3/KPS/M forms are delivered directly on the website of the Croatian Bureau of Statistics in the period from 16th to 26th of the current reporting month (<https://podaci.dzs.hr/en/>).

## Definitions

Producer price indices on the domestic and the non-domestic market require a separate compilation according to the destination of a product in order to obtain the producer price indices on the domestic and the non-domestic market.

The residency of the third party that has ordered or purchased the product determines the destination. The domestic market is defined when both the third party/buyer and the reporting unit are residents of the Republic of Croatia, while the non-domestic market is defined when the third party/buyer is not a resident of the Republic of Croatia.

**Industrial producer prices on the domestic market** are either the prices at which a producer sells products on the domestic market in the largest quantities, loaded free on a rail (truck) at a factory gate at the location of the producer or the price charged to another company by the producer. The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises.

**Industrial producer prices on the non-domestic market** are prices at which a producer sells products on the domestic market (outside Croatia) in the largest quantities at the national border, FOB (free on board). The selling price is increased for the amount of the compensation obtained by the seller and deducted for the amount of the discount and rebate as well as the value added tax and excises. The reporting units present prices in the national currency – kuna and lipa. The prices expressed in a foreign currency are converted into the national currency on the basis of the mean exchange rate of the Croatian National Bank on the 15th day of the reference month.

## Calculation method

Total industrial producer price index is composed of two subindices, that is, the industrial producer price index on the domestic market and the industrial producer price index on the non-domestic market.

Industrial producer price indices on the domestic market and the non-domestic market are calculated according to the Laspeyres formula for different levels of the NKD 2007.

Individual indices for each representative product are calculated from data on prices by dividing prices of the current period by prices of the base period (December of the previous year).

Aggregate indices, that is, indices of groups, divisions and sections of the NKD 2007. as well as the total industry index are calculated by a weighted arithmetic mean from individual indices according to the modified Laspeyres formula:

$$I = \frac{\sum \frac{P_n}{P_o} \times W_o}{\sum W_o} \times 100$$

Whereby:

I is an index of a group, division, section, subsection and the total index

P<sub>n</sub> is a price in the current period (month)

P<sub>o</sub> is a price in the base period

W<sub>o</sub> is the relative sale structure in the base period.

## Weights

The weighting system for 2022 reference year is based on the value of products sold from the PRODCOM Survey on Industrial Production (IND-21/PRODCOM/G form) for 2020. The weighting system is changed at the beginning of every reference year in relation to changes in prices.

## Data publishing

The total industrial producer price indices, both on the domestic and the non-domestic market, are published for the total industry according to the NKD 2007. sections and divisions and according to MIGs 2009. aggregates (end use of products) grouped by the NKD 2007. activity groups and divisions. The grouping of the NKD 2007. activity groups or divisions according to the MIGs 2009.<sup>1)</sup> using alphabetic marks of abbreviations, was done as follows:

AI	Intermediate goods: the NKD 2007. divisions and groups: 07 (excl. 07.21) – 09, 10.6, 10.9, 13.1 – 13.3, 16, 17, 20.1 – 20.3, 20.5, 20.6, 22 – 24 (excl. 24.46), 25.5 – 25.7, 25.9, 26.1, 26.8, 27.1 – 27.4 and 27.9
AE	Energy: the NKD 2007. divisions: 05, 06, 19, 35 and 36
BB	Capital goods: the NKD 2007. divisions and groups: 25.1 – 25.3, 26.2, 26.3, 26.5, 26.6, 28, 29, 30.2, 32.5 and 33
CD	Durable consumer goods: the NKD 2007. divisions and groups: 26.4, 26.7, 27.5, 30.9, 31, 32.1 and 32.2
CN	Non-durable consumer goods: the NKD 2007. divisions and groups: 10.1 – 10.5, 10.7, 10.8, 11, 12, 13.9, 14, 15, 18, 20.4, 21, 32.3, 32.4 and 32.9.

1) The Commission Regulation (EU) No. 2020/1197 of 30 July 2020 laying down technical specifications and arrangements pursuant to Regulation (EU) 2019/2152 of the European Parliament and of the Council as regards the definitions of Main Industrial Groupings (MIGs).



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## Abbreviations

CAWI	computer-assisted web interview
EU	European Union
excl.	excluding
MIGs 2009.	Main Industrial Groupings, 2009 version
NKD 2007.	National Classification of Activities, 2007 version
NN	Narodne novine, official gazette of the Republic of Croatia
n. e. c.	not elsewhere classified
PRODCOM	PRODucts of the European COMMunity

## Symbols

... data not available

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