

45. Annual indexes of manufacturing productivity and related measures, 12 countries

[1992 = 100]

Item and country	1960	1970	1973	1980	1986	1987	1988	1989	1990	1991	1993	1994	1995	1996
Output per hour														
United States.....	—	—	—	71.9	88.2	94.3	97.8	97.0	97.7	98.2	102.1	108.1	115.1	120.2
Canada.....	40.5	60.4	72.2	78.5	92.6	93.5	93.9	94.3	95.8	96.3	101.7	106.2	107.5	108.6
Japan.....	14.0	38.0	48.1	63.9	76.9	81.2	84.8	89.5	95.4	99.4	100.5	101.8	109.2	114.3
Belgium.....	17.8	32.7	42.6	64.5	87.6	88.7	91.8	96.7	96.9	99.1	104.1	110.0	109.4	110.6
Denmark.....	29.5	52.1	66.1	89.2	90.0	89.6	92.9	96.1	96.0	97.9	106.8	—	—	—
France.....	23.0	45.5	53.9	70.5	85.2	86.7	92.7	97.4	99.1	98.7	101.8	110.4	114.5	117.0
Germany.....	29.2	52.1	61.1	77.3	89.5	88.4	91.6	94.4	99.0	102.0	100.8	108.4	112.0	117.0
Italy.....	19.6	36.8	43.9	64.0	82.6	85.0	86.6	89.4	92.8	95.3	104.5	107.4	110.7	113.3
Netherlands.....	19.5	38.6	48.8	69.8	91.0	91.7	93.8	97.1	98.5	99.6	101.9	114.2	119.6	122.6
Norway.....	36.7	57.8	67.6	76.7	89.0	93.3	92.1	94.6	96.6	97.5	100.6	101.4	102.5	103.3
Sweden.....	27.6	52.8	62.1	74.0	88.5	90.1	90.8	93.8	95.0	95.0	106.7	116.1	122.4	125.4
United Kingdom.....	30.2	43.3	51.4	54.4	74.0	78.2	82.7	86.2	89.3	93.9	105.7	109.3	107.6	106.1
Output														
United States.....	—	—	—	77.3	91.0	97.9	104.5	104.0	102.5	98.7	103.5	112.2	119.8	124.5
Canada.....	34.2	61.0	77.6	85.9	99.3	104.1	109.4	110.3	106.2	98.7	104.8	112.8	117.1	118.6
Japan.....	10.7	38.8	50.0	59.9	74.9	78.4	84.6	90.2	96.3	101.4	96.0	95.4	100.5	105.2
Belgium.....	30.7	57.6	70.6	78.2	89.0	88.7	93.1	98.9	101.0	100.7	96.9	101.4	104.5	104.7
Denmark.....	40.1	66.8	78.1	89.7	101.7	97.6	99.1	100.3	99.3	99.2	101.1	103.0	106.7	106.9
France.....	32.4	66.9	80.1	92.7	91.2	91.1	96.3	101.6	103.5	101.7	96.2	101.3	105.4	106.2
Germany.....	41.5	70.9	78.5	85.3	89.7	88.0	90.9	94.0	99.1	102.8	91.8	93.5	94.2	93.9
Italy.....	21.5	44.8	54.1	78.7	84.8	88.5	94.8	98.6	100.4	99.7	96.6	101.9	107.7	106.8
Netherlands.....	31.9	59.8	68.0	77.8	88.3	89.5	92.8	96.9	100.1	100.6	98.2	104.2	107.5	109.1
Norway.....	56.5	89.1	102.2	103.6	108.1	110.7	105.3	101.3	100.2	98.3	102.7	106.7	109.9	112.9
Sweden.....	46.5	81.7	88.5	91.8	105.2	107.7	110.2	111.6	110.6	103.6	101.3	115.7	130.1	132.9
United Kingdom.....	67.8	90.4	99.7	87.2	90.2	94.5	101.5	105.5	105.4	100.1	101.5	106.2	108.0	108.3
Total hours														
United States.....	92.2	104.5	110.5	107.6	103.1	103.9	106.8	107.2	104.9	100.6	101.4	103.8	104.1	103.5
Canada.....	84.5	100.9	107.5	109.5	107.2	111.4	116.5	117.0	110.8	102.5	103.0	106.2	108.9	109.1
Japan.....	76.3	102.3	104.0	93.8	97.3	96.6	99.8	100.8	100.9	102.0	95.6	93.7	92.0	92.0
Belgium.....	172.1	176.3	165.6	121.4	101.6	100.0	101.5	102.3	104.3	101.6	93.2	92.2	95.6	94.6
Denmark.....	135.8	128.3	118.1	100.6	113.1	109.0	106.6	104.3	103.3	101.3	94.7	—	—	—
France.....	140.6	147.0	148.7	131.5	107.2	105.1	104.0	104.4	104.5	103.0	94.5	91.8	92.0	90.8
Germany.....	142.4	136.1	128.4	110.3	100.1	99.6	99.2	99.5	100.1	100.8	91.1	86.3	84.1	80.3
Italy.....	109.6	121.8	123.4	123.0	102.7	104.1	109.5	110.2	108.2	104.6	92.4	94.8	97.2	94.3
Netherlands.....	163.3	155.1	139.3	111.4	97.0	97.6	98.9	99.7	101.6	101.0	96.4	91.3	89.8	89.0
Norway.....	154.0	154.3	151.2	135.0	121.6	118.6	114.3	107.1	103.7	100.8	102.1	105.2	107.2	109.3
Sweden.....	168.3	154.7	142.5	124.0	118.9	119.5	121.4	119.0	116.4	109.0	94.9	99.6	106.3	106.0
United Kingdom.....	224.4	208.6	194.0	160.3	121.9	120.9	122.7	122.3	118.0	106.6	96.0	97.2	100.3	102.1
Compensation per hour														
United States.....	14.9	23.8	28.6	55.8	78.6	80.8	84.0	86.8	91.0	95.7	102.9	105.6	108.7	112.2
Canada.....	10.5	18.3	22.9	50.2	77.5	79.8	83.3	86.4	91.3	97.1	100.1	102.1	103.9	108.5
Japan.....	4.3	16.5	26.8	58.6	76.1	77.9	79.2	84.2	90.7	95.9	104.6	106.7	110.0	111.6
Belgium.....	5.6	14.1	21.7	52.7	77.5	79.3	81.0	85.2	89.9	95.4	105.0	108.4	111.6	114.3
Denmark.....	4.6	13.2	20.4	49.4	72.9	79.7	82.5	87.2	92.6	96.2	102.4	—	—	—
France.....	4.3	10.5	14.9	41.3	76.8	79.7	82.7	87.2	91.8	96.3	103.6	106.2	107.7	109.6
Germany.....	8.1	20.8	29.1	53.8	73.1	76.6	79.6	83.4	89.4	95.1	106.1	112.1	117.4	123.5
Italy.....	1.6	4.6	7.0	27.9	62.6	66.1	68.7	75.5	84.0	93.1	107.1	106.6	109.2	117.1
Netherlands.....	6.4	20.3	31.8	64.7	85.1	87.8	87.7	88.5	90.8	95.2	103.7	108.2	111.1	114.5
Norway.....	4.7	11.8	17.0	39.0	69.1	78.5	83.3	87.2	92.3	97.5	101.5	104.4	109.2	114.0
Sweden.....	4.1	10.8	15.2	37.4	63.1	67.3	71.7	79.4	87.6	95.4	98.0	101.1	106.2	113.4
United Kingdom.....	3.1	6.4	9.6	33.8	59.4	66.3	70.3	75.2	83.5	93.0	106.3	108.3	108.7	110.8
Unit labor costs: National currency basis														
United States.....	—	—	—	77.6	89.1	85.7	85.9	89.5	93.1	97.5	100.8	97.7	94.5	93.3
Canada.....	25.9	30.3	31.8	63.9	83.6	85.3	88.7	91.7	95.2	100.9	98.4	96.1	96.7	99.9
Japan.....	30.9	43.3	55.7	91.7	99.0	96.0	93.4	94.0	95.0	96.5	104.1	104.9	100.7	97.7
Belgium.....	31.2	43.3	50.8	81.8	88.6	89.5	88.3	88.1	92.7	96.3	100.9	98.6	102.0	103.3
Denmark.....	15.5	25.3	30.8	55.3	81.0	89.0	88.8	90.7	96.5	98.3	95.9	97.9	101.4	103.5
France.....	18.7	23.0	27.6	58.6	90.2	92.0	89.3	89.5	92.6	97.6	101.8	96.2	94.0	93.7
Germany.....	28.0	39.9	47.6	69.6	81.6	86.7	86.9	88.3	90.3	93.2	105.3	103.5	104.8	105.5
Italy.....	8.0	12.6	16.0	43.7	75.8	77.8	79.4	84.4	90.5	97.7	102.5	99.2	98.6	103.3
Netherlands.....	33.0	52.7	65.1	92.7	93.5	95.8	93.5	91.1	92.1	95.6	101.8	94.8	92.9	93.4
Norway.....	12.9	20.4	25.1	50.8	77.7	84.1	90.4	92.2	95.6	100.0	100.9	102.9	106.5	110.3
Sweden.....	14.9	20.5	24.4	50.6	71.3	74.7	79.0	84.7	92.3	100.4	91.8	87.0	86.8	90.4
United Kingdom.....	10.3	14.8	18.8	62.1	80.3	84.5	85.0	87.2	93.5	99.0	100.5	99.1	101.0	104.4
Unit labor costs: U.S. dollar basis														
United States.....	—	—	—	77.6	89.1	85.7	85.9	89.5	93.1	97.5	100.8	97.7	94.5	93.3
Canada.....	32.3	35.1	38.4	66.1	72.7	77.8	87.1	93.6	98.6	106.4	92.1	85.0	85.2	88.5
Japan.....	10.9	15.3	26.1	51.5	74.5	84.2	92.4	86.3	83.1	90.9	118.8	130.1	135.9	113.8
Belgium.....	20.1	28.0	42.1	90.0	63.7	77.0	77.1	71.9	89.2	90.6	93.8	94.8	111.3	107.2
Denmark.....	13.5	20.4	30.9	59.4	60.4	78.4	79.5	74.8	94.1	92.7	89.2	93.0	109.4	107.7
France.....	20.2	22.0	32.9	73.5	69.0	81.0	79.3	74.3	90.0	91.5	95.1	91.8	99.8	96.9
Germany.....	10.5	17.1	28.1	59.9	58.7	75.3	77.2	73.3	87.2	87.7	99.4	99.6	114.3	109.5
Italy.....	15.9	24.7	34.0	62.9	62.6	73.9	75.1	75.8	93.0	97.0	80.3	75.8	74.6	82.5
Netherlands.....	15.4	25.6	41.2	82.1	67.1	83.1	83.1	75.5	88.9	89.8	96.3	91.6	101.8	97.4
Norway.....	11.3	17.8	27.2	63.9	65.3	77.5	86.1	82.9	95.0	95.7	88.3	90.7	104.5	106.1
Sweden.....	16.8	23.0	32.7	69.6	58.3	68.5	75.0	76.4	90.8	96.6	68.6	65.7	70.8	78.5
United Kingdom.....	16.4	20.1	26.0	81.7	66.7	78.4	85.8	80.8	94.5	99.1	85.5	86.0	90.2	92.3

— Data not available.