



APPENDIX TABLE 6-42

Exports and imports of electrical machinery, by region, country, or economy: 2001–16

(Millions of current dollars)

Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Exports																
World	144,492	151,061	173,586	218,856	246,092	285,882	325,334	369,173	310,073	386,535	441,221	457,430	477,254	492,093	477,894	473,770
North America	15,158	14,818	13,691	17,138	19,711	24,119	25,825	28,060	23,158	27,314	30,285	32,581	32,469	33,570	32,987	31,019
Canada	478	481	646	922	1,101	1,298	1,372	1,383	1,191	1,329	1,432	1,472	1,361	1,418	1,422	1,386
Mexico	1,157	2,102	674	912	984	1,309	1,491	1,791	1,439	1,860	2,266	2,669	3,020	3,231	3,247	3,223
United States	13,524	12,235	12,371	15,304	17,626	21,513	22,961	24,885	20,528	24,126	26,587	28,440	28,088	28,920	28,318	26,410
Central and South America	1,987	1,928	2,172	2,600	3,272	4,011	4,775	5,560	4,637	5,050	5,187	5,273	5,353	5,311	5,419	5,650
Brazil	990	935	1,142	1,397	1,894	2,436	2,949	3,193	2,636	2,815	3,047	2,872	2,888	2,802	2,472	2,459
Central America	634	662	747	789	847	986	1,076	1,346	1,071	1,333	1,253	1,368	1,362	1,460	1,450	1,482
All others	362	331	283	414	531	589	750	1,022	930	902	886	1,033	1,103	1,049	1,497	1,709
Europe																
EU	35,150	35,962	42,097	52,175	57,086	67,103	81,447	95,422	76,881	87,451	100,924	99,301	103,501	105,040	91,685	88,152
France	5,005	5,102	5,715	6,844	6,828	7,720	9,166	10,036	8,575	9,589	10,210	9,805	9,801	9,278	8,060	7,649
Germany	11,538	12,337	14,830	18,744	20,738	25,392	30,317	34,779	27,727	33,280	39,407	37,789	39,519	40,148	34,477	32,788
United Kingdom	4,606	4,295	4,835	5,617	5,576	6,240	7,046	7,616	5,831	6,258	7,413	7,802	7,303	7,855	7,420	6,963
All others	14,001	14,228	16,716	20,969	23,944	27,751	34,917	42,990	34,749	38,324	43,893	43,904	46,879	47,758	41,727	40,753



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Other Europe	7,412	7,413	8,906	11,348	12,087	14,143	17,960	21,804	18,677	20,139	23,438	23,152	24,230	23,849	21,647	22,081
Russia	788	628	694	1,053	1,049	1,332	1,537	2,051	1,461	1,645	2,424	2,577	2,730	2,399	2,375	2,397
Switzerland	4,699	4,592	5,361	6,442	6,850	7,526	8,925	10,320	8,571	9,345	10,585	9,593	9,857	9,803	8,619	9,235
Turkey	806	968	1,362	1,887	2,159	2,892	3,797	4,519	4,224	4,779	5,585	5,593	6,240	6,561	6,269	6,064
All others	1,119	1,225	1,489	1,966	2,029	2,394	3,701	4,914	4,421	4,370	4,844	5,389	5,403	5,086	4,384	4,384
Middle East	1,136	1,121	1,208	1,527	2,177	1,955	3,101	3,690	2,783	3,823	4,151	3,973	4,193	4,557	4,723	4,806
Israel	570	534	599	666	738	916	1,034	1,228	1,126	1,413	1,549	1,869	1,709	1,709	1,747	1,712
All others	566	588	609	861	1,439	1,040	2,067	2,462	1,657	2,411	2,602	2,103	2,484	2,849	2,977	3,094
Africa	847	1,050	1,217	1,575	1,618	2,164	2,639	2,897	2,496	2,906	3,610	3,131	4,980	3,700	3,876	3,840
Asia																
China	31,412	36,704	45,304	58,998	70,057	84,660	99,425	114,355	98,873	131,379	152,667	161,059	174,010	187,071	191,796	196,096
India	955	1,095	1,369	1,674	2,177	3,122	3,824	5,077	4,183	4,708	5,529	5,501	5,734	6,329	6,246	6,191
Indonesia	1,329	1,473	1,698	1,882	2,063	2,478	2,664	2,901	2,521	3,356	3,615	3,682	3,732	3,733	3,707	3,540
Japan	22,986	22,300	25,049	31,207	33,000	35,363	36,433	38,910	31,587	40,945	44,583	44,111	38,906	38,638	35,060	33,587
Malaysia	2,653	2,750	3,136	3,954	4,330	5,075	5,895	5,978	5,254	7,256	8,351	8,965	9,052	9,390	9,173	8,498
Philippines	1,591	1,848	2,061	2,659	3,039	3,450	3,183	3,061	2,486	3,620	4,085	5,868	5,475	5,114	5,208	5,418
Singapore	3,606	3,327	3,429	4,388	4,812	5,558	6,109	7,176	5,691	7,764	8,927	8,829	7,818	7,985	7,689	7,158
South Korea	4,670	5,359	6,998	9,448	10,805	11,577	10,145	11,218	11,403	15,061	18,296	24,259	28,485	26,672	26,346	24,563
Taiwan	7,834	8,085	8,605	10,248	11,201	12,004	11,676	11,983	9,358	12,282	12,667	12,260	12,387	13,157	13,905	13,937



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Thailand	3,437	3,735	4,391	5,145	5,650	6,112	6,472	7,116	6,180	8,095	8,961	9,020	9,661	10,328	10,482	10,575
Vietnam	396	378	483	694	786	835	1,021	1,259	1,496	2,223	2,849	3,513	4,426	4,758	5,277	5,869
All others	177	141	173	196	213	223	314	267	252	652	337	304	356	394	423	455
Australia	687	676	761	968	1,037	1,033	1,148	1,189	986	1,151	1,319	1,323	1,179	1,126	981	1,101
All others	1,070	898	838	1,032	971	894	1,279	1,251	1,172	1,359	1,442	1,328	1,306	1,371	1,263	1,233
Imports																
World	144,492	151,061	173,586	218,856	246,092	285,882	325,334	369,173	310,073	386,535	441,221	457,430	477,254	492,093	477,894	473,770
North America	37,468	38,407	40,925	48,235	55,016	62,650	67,983	71,911	59,420	74,588	82,719	88,906	92,112	98,576	101,759	101,191
Canada	2,656	2,774	3,298	4,005	4,653	5,369	5,924	7,014	5,957	7,494	7,895	8,557	8,898	9,407	8,770	9,064
Mexico	2,384	2,831	2,941	4,015	4,831	5,876	6,847	7,725	6,744	9,373	10,293	11,396	11,863	13,250	13,744	13,371
United States	32,428	32,802	34,686	40,215	45,531	51,405	55,212	57,172	46,719	57,721	64,530	68,953	71,351	75,919	79,245	78,757
Central and South America	7,312	5,792	5,600	7,283	9,146	12,329	14,624	18,955	15,975	21,730	24,352	26,547	26,993	26,264	24,320	22,404
Brazil	2,777	1,939	1,648	2,048	2,562	3,158	4,079	5,641	5,247	7,598	8,928	9,271	9,994	9,292	7,546	6,522
Central America	1,582	1,605	1,553	2,036	2,479	3,640	3,688	4,073	2,965	3,253	3,826	4,020	3,996	4,337	4,514	4,668
All others	2,954	2,248	2,399	3,198	4,105	5,531	6,857	9,241	7,764	10,879	11,598	13,256	13,004	12,636	12,260	11,215
Europe																
EU	28,859	28,984	35,386	45,645	49,863	55,182	63,323	69,016	55,793	69,884	79,717	76,636	83,317	88,701	84,757	85,366
France	3,426	3,432	4,074	5,458	6,145	6,531	7,989	9,028	7,605	9,143	10,286	10,120	12,268	11,503	11,053	11,063
Germany	8,896	8,636	10,694	14,139	15,141	15,792	17,130	18,888	15,547	19,424	23,334	22,359	23,797	25,737	23,646	23,970



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
United Kingdom	5,022	5,154	5,878	7,299	7,122	8,173	9,049	8,887	6,985	9,727	10,778	9,479	9,942	11,269	11,136	11,072
All others	11,515	11,762	14,741	18,750	21,455	24,685	29,154	32,212	25,657	31,590	35,318	34,679	37,309	40,192	38,922	39,261
Other Europe	8,918	9,748	12,497	17,307	20,268	25,350	33,429	40,406	30,045	36,206	44,593	45,245	47,878	45,591	39,817	40,230
Russia	1,838	2,162	3,030	4,293	5,473	7,234	10,434	13,327	8,205	11,002	14,047	15,349	16,128	14,931	10,751	10,675
Switzerland	3,093	3,018	3,523	4,436	4,620	5,298	6,207	6,924	5,550	6,485	7,573	7,293	7,669	8,203	7,941	7,946
Turkey	1,276	1,495	1,990	3,171	3,953	4,814	6,003	7,472	6,622	8,209	9,625	8,965	9,339	8,688	8,546	8,739
All others	2,711	3,072	3,955	5,407	6,223	8,003	10,785	12,683	9,669	10,511	13,349	13,638	14,741	13,769	12,579	12,870
Middle East	6,664	6,950	8,353	10,936	12,378	13,802	19,697	23,658	21,427	22,424	25,814	26,798	28,650	30,706	31,541	31,650
Israel	1,106	903	991	1,163	1,224	1,421	1,584	1,704	1,499	1,720	2,275	2,323	2,303	2,251	2,149	2,279
All others	5,559	6,047	7,362	9,774	11,154	12,382	18,113	21,953	19,928	20,704	23,539	24,475	26,347	28,455	29,392	29,371
Africa	4,527	5,081	5,949	7,583	8,363	10,594	13,243	18,100	17,132	18,501	19,429	20,574	22,353	24,512	23,703	23,007
Asia																
China	11,763	13,491	17,468	22,848	25,735	30,963	33,538	36,387	33,428	44,605	49,844	52,079	55,311	57,087	53,819	51,373
India	1,201	1,237	1,500	2,200	3,022	3,997	5,038	6,894	6,577	8,783	10,749	9,612	9,715	9,762	9,148	8,888
Indonesia	1,049	1,116	1,274	1,843	1,785	1,655	2,117	3,887	3,364	4,980	5,810	6,517	6,070	5,835	5,814	5,672
Japan	9,949	10,201	11,820	13,912	14,985	16,901	17,078	18,562	14,926	18,801	22,728	23,687	22,653	24,089	22,529	21,348
Malaysia	3,008	3,184	3,109	3,801	4,732	5,849	6,011	6,186	5,187	7,200	7,254	8,420	8,156	7,965	7,858	7,822
Philippines	1,743	1,533	1,634	1,768	1,940	2,052	2,112	2,217	1,945	2,526	3,104	3,524	3,163	3,529	3,576	4,134
Singapore	5,171	5,383	5,947	6,907	7,710	9,110	8,996	9,731	7,783	9,953	11,022	11,018	10,784	10,605	10,174	9,683



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
South Korea	5,013	6,102	7,558	9,803	11,401	13,228	13,607	15,034	13,510	15,493	17,656	18,148	20,183	17,389	17,129	17,855
Taiwan	4,070	4,533	5,125	6,988	6,774	7,894	6,549	6,630	4,686	6,966	7,856	7,007	6,722	7,006	6,849	7,117
Thailand	2,802	2,687	3,063	3,955	4,307	4,561	5,350	6,034	5,184	7,017	7,858	9,827	8,811	8,738	8,867	8,912
Vietnam	489	581	818	973	1,031	1,348	1,998	2,575	2,503	3,526	4,871	6,130	7,762	8,731	9,880	10,248
All others	840	1,035	1,098	1,467	1,721	2,213	2,572	3,306	3,105	3,818	4,575	4,863	5,339	6,350	6,612	7,042
Australia	2,339	2,636	3,233	4,070	4,526	4,870	5,796	7,072	6,421	7,317	8,695	9,618	9,230	8,460	7,738	7,735
All others	1,305	2,380	1,227	1,332	1,387	1,334	2,273	2,611	1,660	2,216	2,574	2,273	2,051	2,196	2,003	2,091

EU = European Union.

Note(s)

Data are not available for EU member Luxembourg. China includes Hong Kong. Detail may not add to total because of rounding. See Appendix Table 6-38 for a full list of countries and economies in each region.

Source(s)

IHS Global Insight, special tabulations (2017) of the World Trade Service database.

Science and Engineering Indicators 2018