

## 2022 Production of Land Use Engines

Japan Land Engine Manufacturers Association

Upper Line: Quantity(units)  
Lower Line: Value(million yen)

		Grand Total	Gasoline Engine								Diesel Engine							Gas Engine Total	
			Total	Water-Cooled	Air-Cooled				Total	Water-Cooled						Air-Cooled			
					less than 3PS		3PS and over			less than 10PS	10PS and over less than 30PS	30PS and over less than 100PS	100PS and over less than 500PS	500PS and over less than 1000PS	1000PS and over				
					Sub Total	2-cycle	4-cycle	Sub Total									2-cycle		4-cycle
Jan to Mar	2021	1,031,423 162,417	547,208 12,931	4,646	416,905	402,291	14,614	125,657	38,804	86,853	465,738 146,335	17,621	197,516	190,521	44,642	663	471	14,304	18,477 3,151
	2022	986,689 172,913	483,375 12,680	3,311	353,813	334,688	19,125	126,251	34,723	91,528	480,909 156,425	20,106	219,133	183,357	42,766	802	838	13,907	22,405 3,808
	22/21	95.7% 106.5%	88.3% 98.1%	71.3%	84.9%	83.2%	130.9%	100.5%	89.5%	105.4%	103.3% 106.9%	114.1%	110.9%	96.2%	95.8%	121.0%	177.9%	97.2%	121.3% 120.9%
Apr to Jun	2021	1,012,083 169,647	491,819 11,961	4,460	384,159	364,143	20,016	103,200	25,987	77,213	497,549 154,823	18,736	209,215	208,187	43,925	769	589	16,128	22,715 2,863
	2022	941,897 153,721	473,512 12,097	2,375	365,488	356,065	9,423	105,649	28,479	77,170	438,829 137,634	18,167	212,568	152,922	38,535	782	766	15,089	29,556 3,990
	22/21	93.1% 90.6%	96.3% 101.1%	53.3%	95.1%	97.8%	47.1%	102.4%	109.6%	99.9%	88.2% 88.9%	97.0%	101.6%	73.5%	87.7%	101.7%	130.1%	93.6%	130.1% 139.4%
Jul to Sep	2021	980,618 166,251	479,937 11,615	3,493	374,636	354,404	20,232	101,808	25,696	76,112	477,996 151,650	19,337	210,445	197,645	37,857	695	581	11,436	22,685 2,986
	2022	934,908 172,662	431,794 12,017	1,943	322,339	311,003	11,336	107,512	19,982	87,530	476,225 156,378	20,373	226,344	177,145	37,713	781	881	12,988	26,889 4,267
	22/21	95.3% 103.9%	90.0% 103.5%	55.6%	86.0%	87.8%	56.0%	105.6%	77.8%	115.0%	99.6% 103.1%	105.4%	107.6%	89.6%	99.6%	112.4%	151.6%	113.6%	118.5% 142.9%
Oct to Dec	2021	933,141 160,529	448,926 11,043	2,976	334,368	315,751	18,617	111,582	29,696	81,886	465,738 146,335	17,621	197,516	190,521	44,642	663	471	14,304	18,477 3,151
	2022	888,654 177,761	381,989 11,545	2,332	265,665	251,287	14,378	113,992	27,306	86,686	483,649 162,123	18,675	227,400	181,718	40,717	849	1,041	13,249	23,016 4,093
	22/21	95.2% 110.7%	85.1% 104.5%	78.4%	79.5%	79.6%	77.2%	102.2%	92.0%	105.9%	103.8% 110.8%	106.0%	115.1%	95.4%	91.2%	128.1%	221.0%	92.6%	124.6% 128.0%
Jan to Dec	2021	3,988,535 673,592	1,967,890 47,550	15,575	1,510,068	1,436,589	73,479	442,247	120,183	322,064	1,940,378 613,844	73,222	847,662	788,864	169,939	2,978	2,578	55,135	80,267 12,198
	2022	3,752,148 677,057	1,770,670 48,339	9,961	1,307,305	1,253,043	54,262	453,404	110,490	342,914	1,879,612 612,560	77,321	885,445	695,142	159,731	3,214	3,526	55,233	101,866 16,158
	22/21	94.1% 100.5%	90.0% 101.7%	64.0%	86.6%	87.2%	73.8%	102.5%	91.9%	106.5%	96.9% 99.8%	105.6%	104.5%	88.1%	94.0%	107.9%	136.8%	100.2%	126.9% 132.5%

- Remarks:
- Exclude automobile, marine, locomotive and aircraft applications
  - Statistics of Gas Engine have been indicated since 2014.
  - LEMA's statistics show the sum of LEMA members only.