

## 2020 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	
					Sub Total	less than 3PS		3PS and over		Sub Total		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		
						2-cycle	4-cycle	2-cycle	4-cycle										
Jan to Mar	2019	1,114,402 156,522	636,755 17,103	4,286	381,482	359,109	22,373	250,987	38,767	212,220	455,117 135,586	22,057	209,913	180,550	26,945	725	675	14,252	22,530 3,833
	2020	885,168 133,703	474,634 10,869	4,745	355,961	339,565	16,396	113,928	23,215	90,713	389,779 119,296	16,458	180,302	151,160	26,704	515	531	14,109	20,755 3,538
	20/19	79.4% 85.4%	74.5% 63.6%	110.7%	93.3%	94.6%	73.3%	45.4%	59.9%	42.7%	85.6% 88.0%	74.6%	85.9%	83.7%	99.1%	71.0%	78.7%	99.0%	92.1% 92.3%
Apr to Jun	2019	1,135,683 158,482	623,168 12,091	3,454	399,368	368,587	30,781	220,346	39,888	180,458	481,674 142,078	25,792	218,807	190,586	30,679	714	488	14,608	30,841 4,313
	2020	821,451 112,471	496,076 10,345	2,617	401,528	382,797	18,731	91,931	30,262	61,669	304,835 99,116	12,434	117,630	128,840	30,939	484	474	14,034	20,540 3,010
	20/19	72.3% 71.0%	79.6% 85.6%	75.8%	100.5%	103.9%	60.9%	41.7%	75.9%	34.2%	63.3% 69.8%	48.2%	53.8%	67.6%	100.8%	67.8%	97.1%	96.1%	66.6% 69.8%
Jul to Sep	2019	997,724 141,804	551,672 10,650	4,157	319,103	301,609	17,494	228,412	43,003	185,409	423,137 126,686	22,813	195,808	165,573	26,469	586	552	11,336	22,915 4,468
	2020	785,877 119,169	431,803 9,125	2,844	341,227	325,040	16,187	87,732	31,220	56,512	333,004 106,848	12,529	134,299	139,269	32,983	412	407	13,105	21,070 3,196
	20/19	78.8% 84.0%	78.3% 85.7%	68.4%	106.9%	107.8%	92.5%	38.4%	72.6%	30.5%	78.7% 84.3%	54.9%	68.6%	84.1%	124.6%	70.3%	73.7%	115.6%	91.9% 71.5%
Oct to Dec	2019	917,801 132,133	519,157 10,229	2,817	291,163	279,659	11,504	225,177	33,377	191,800	382,263 118,578	17,853	163,700	153,630	31,254	481	508	14,837	16,381 3,326
	2,020	871,697 147,632	427,066 9,610	3,362	331,539	317,323	14,216	92,165	29,485	62,680	424,748 134,568	14,105	183,308	171,331	41,557	590	448	13,409	19,883 3,454
	20/19	95.0% 111.7%	82.3% 93.9%	119.3%	113.9%	113.5%	123.6%	40.9%	88.3%	32.7%	111.1% 113.5%	79.0%	112.0%	111.5%	133.0%	122.7%	88.2%	90.4%	121.4% 103.8%
Jan to Dec	2019	4,165,610 588,941	2,330,752 50,073	14,714	1,391,116	1,308,964	82,152	924,922	155,035	769,887	1,742,191 522,928	88,515	788,228	690,339	115,347	2,506	2,223	55,033	92,667 15,940
	2,020	3,364,193 512,975	1,829,579 39,949	13,568	1,430,255	1,364,725	65,530	385,756	114,182	271,574	1,452,366 459,828	55,526	615,539	590,600	132,183	2,001	1,860	54,657	82,248 13,198
	20/19	80.8% 87.1%	78.5% 79.8%	92.2%	102.8%	104.3%	79.8%	41.7%	73.6%	35.3%	83.4% 87.9%	62.7%	78.1%	85.6%	114.6%	79.8%	83.7%	99.3%	88.8% 82.8%

**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.