

Water purification plant Maribor, LDE 1500 P | foto: © Aquasystems d.o.o.



Energetic independence



 **STUBELJ**

Series LDE P

Maximum durability and life

Series LDE P



LDE Series

Genset for island operation, standby and parallel operation with the network and / or other genset. Standard equipment of the generating sets: engine cooling system, starter, alternator and exhaust silencer, alternator with automatic voltage regulator (AVR), base-frame with fuel tank and the collecting vessel, basic wiring, batteries, coolant and lubricating oil.

PERKINS ENGINES

Diesel engines, 4-stroke, direct injection, charging through the turbine and / or intercooled, suitable for continuous operation or standby operation. Perkins engines provide economical power in operation. Another advantage, which has been planned in the development of engines is reliability. Engines provide low lubricating oil consumption and low wear. Extremely compact dimensions and the relationship between power and weight allow smaller dimensions of the generating sets and cost-effective transportation. Engines are designed to allow easy maintenance and servicing. Ensuring low exhaust emissions during operation have a minimal impact on the environment. Minimum fuel consumption maximizes engine performance.

ALTERNATORS

The alternators are synchronous, three-phase, brushless, self-regulated, self-excited, self-ventilated and 4 pole. Insulation class H (temperature rise according to class F or B on request). Tropical impregnation for salty-humid

environment is possible on request. Automatic voltage regulation. Protection class IP21 or IP23 (other class on request).

BASE FRAME

Steel construction - monobloc. Anti-vibration mounting to eliminate the vibration. Powder coated with primer and cover color. The base frame is designed to enable simple lifting and moving the generating set.

FUEL TANK

The fuel tank is mounted on the inside of the base frame. Under the fuel tank, a collecting vessel is mounted, which prevents outpouring of any liquid from the generating set into the environment. Equipped with all necessary connectors and sensors. Standard autonomy of the tank is 8-10 hours at 75% load. Additional freestanding double wall tanks and automation for pumping fuel on demand.

HOUSING

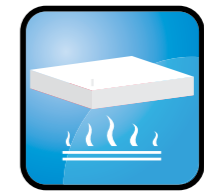
Sound-insulated housing, suitable for outdoor installation. Standard noise level of 72 dBA \pm 3 dB at a distance of 7 m (lower sound levels on request). 4 large doors for easy access to the genset for maintenance and servicing. Powder coated housing with primer and cover color RAL7035 (other colors upon request).

CONTROL PANELS

Manual – includes a manual control unit (push button / key start type), main circuit breaker, differential protection and all auxiliary controls and alarms.

Automatic – includes an automatic control unit that starts the genset in case of mains failure (it can be started manually too), main circuit breaker, differential protection and all auxiliary controls and alarms, button for emergency stop, changeover genset / mains (ATS) on request.

Synchronization – automatic control cabinet for synchronization more generating sets and / or main electricity network and parallel operation. Additional and special control and switching cabinets for genset on demand.



Heating of the fuel tank



Additional fuel tanks



Noise control absorber



Genset communication with control systems, mobile phone and e-mail



Automatic system for pumping fuel + pump



Service kit



Transport trailer



Water purification plant Maribor – LDE 1500 P

Genset Stubelj LDE 1500 P - 1500 kVA power is intended for the standby power supply to water purification plant in Maribor. Installed in 40' container, where is also a power changeover control cabinet, exhaust system with mufflers and noise reduction system.

GenSet type

Series LDE P					50 Hz - 400/230 V 1500 rpm		Overall dimensions and weights - GenSet without housing		Overall dimensions and weights - GenSet with housing (72±3 dBA - 7m)	
Type	Engine	Cylinders	Volume (cm ³)	Fuel consumption 75% load - g/kWh	Standby power (kVA)	Prime power (kVA)	LxWxH (mm)	Weight (kg)	LxWxH (mm)	Weight (kg)
LDE 10 P	403D-11G	3	1131	257	10	9	1500x900x1000	230	1750x900x1500	490
LDE 15 P	403D-15G	3	1496	252	15	13,5	1500x900x1000	370	1750x900x1500	580
LDE 22 P	404D-22G	4	2216	240	22	20	1500x900x1000	510	1750x900x1500	710
LDE 33 P	1103A-33G	3	3300	214	33	30	1750x900x1300	670	1750x900x1500	850
LDE 49 P	1103A-33TG1	4	3300	218	49	45	1750x900x1300	950	1750x900x1500	1050
LDE 66 P	1103A-33TG2	3	3300	218	66	60	1750x900x1300	960	2150x1100x1800	1250
LDE 72 P	1104A-44TG1	4	4400	209	72	65	1750x900x1300	1100	2150x1100x1800	1350
LDE 88 P	1104C-44 TAG1	4	4400	216	88	80	2150x1100x1550	1160	2150x1100x1800	1400
LDE 103 P	1006TG1A	4	6000	216,4	103	93	2150x1100x1550	1270	2150x1100x1800	1500
LDE 110 P	1104C-44 TAG2	4	4400	207	110	99	2500x1150x1600	1220	2500x1150x1860	1550
LDE 150 P	1006TAG	6	6000	216,6	150	136	2500x1150x1600	1520	2500x1150x1860	1820
LDE 165 P	1006TAG2	6	6000	210	165	150	2500x1150x1600	1600	2750x1300x1880	1900
LDE 200 P	1106C-E66TAG4	6	6600	212,7	200	180	2500x1150x1600	1700	2750x1300x1880	1950
LDE 229 P	1306C-E87TAG3	6	8700	213	229	208	2750x1300x1700	1950	2750x1300x1880	2200
LDE 250 P	1306C-E87TAG4	6	8700	207	250	228	2750x1300x1700	2100	2750x1300x1880	2350
LDE 275 P	1306C-E87TAG6	6	8700	200	275	250	2750x1300x1700	2150	2950x1300x1880	2400
LDE 400 P	2206A-E13TAG2	6	12500	198	400	350	2950x1300x1750	3150	3300x1400x2300	3500
LDE 450 P	2206A-E13TAG3	6	12500	199	450	400	3300x1400x1900	3200	3600x1600x2450	3850
LDE 500 P	2506A-E15TAG1	6	15200	200	500	455	3300x1400x1900	3600	3600x1600x2450	4200
LDE 550 P	2506A-E15TAG2	6	15200	201	550	500	3600x1600x2250	3900	4000x1900x2450	4600
LDE 660 P	2806A-E18TAG1	6	18100	199	660	600	4400x2000x2100	4600	4400x2000x2550	5300
LDE 700 P	2806A-E18TAG2	6	18100	198	700	650	4400x2000x2100	4700	4400x2000x2550	5400
LDE 825 P	4006-23 TAG2A	6	22921	211	825	750	4400x2000x2100	5600	4400x2000x2550	6300
LDE 900 P	4006-23 TAG3A	6	22921	210	900	800	4400x2000x2100	6600	4400x2000x2550	7300
LDE 935 P	4008 TAG	8	30561	196	935	849	5000x2300x2300	8200	container 20 ft	11500
LDE 996 P	4008 TAG 1A	6	30561	201	996	905	5500x2300x2400	8500	container 20 ft	12800
LDE 1125 P	4008 TAG 2A	6	30561	202	1125	1022	5500x2300x3000	8600	container 20 ft	12900
LDE 1385 P	4012-46TWG2A	12	45842	216	1385	1253	6000x2400x3300	10000	container 40 ft	17000
LDE 1500 P	4012-46TAG1A	12	45842	195	1500	1364	6500x2400x3300	10100	container 40 ft	17100
LDE 1656 P	4012-46TAG2A	12	45842	201	1656	1505	6500x2400x3300	11000	container 40 ft	18000
LDE 1875 P	4012-46TAG3A	12	45842	208	1875	1705	8500x2500x3600	11600	container 40 ft	18500
LDE 2028 P	4016 TAG1A	16	61123	198	2028	1844	8500x2500x3600	15000	container 40 ft	22000
LDE 2264 P	4016 TAG2A	16	61123	207	2264	2058	8500x2500x3600	15250	container 40 ft	22300

All data in this catalogue are informative and are subject to changes without prior notice.

Warranty, service and maintenance

All our gensets have 12-month warranty. We offer fast and quality service, because we have properly trained service technicians and we use only original spare parts. We give guarantee even on our services and on spare parts.

