

LION ENGINE

Water-cooled Diesel Engine- Genset



The single-cylinder diesel engine produced ranges output power from 2 to 22 kilowatts, and the multi-cylinder diesel engine output power from 13 to 105 kilowatts. The output power of the digital frequency-converted generator set ranges from 3 to 15 kilowatts. Our products are widely applied in the boats and ships, generator set, engineering machines, agricultural equipments, water pumps and vehicles as key components.

IMPORTANT FEATURES

- Advanced structure, complete configuration. Adopted air heater, good cold starting performance .
- Excellent machine balance, low vibration. Reliable and stable.
- All varieties, large power scope. All-purpose components and parts, easy to operate and maintain .
- High power, more economical. Reliable, long service life, easy to maintain.



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ITEM	LN2105D	LN2110D	LN380D	LN385D	LN480D	LN485D	LN490D	LN498D	LN490ZDL	LN4100D	LN4102D	LN4105D	LN4108D	LN4105DZL	LN4108DZL	
Speed-rpm	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
Constant power-KW	17.5	19.3	10	12	13	17	22	26	31	31/28	33	35.5	37.5	49	53	
Standby power-KW	19.25	21.23	11	13.2	14.3	18.7	24.2	28.6	34.1	34.1/30.8	36.3	39.05	41.25	53.9	58.3	
Fuel consumption - g/KW.h	≤254		≤266.6			≤253	≤248	≤253	≤225	≤240.7		≤238	≤231	≤228	≤217	
Net weight -kg	225	225	165	175	195	205	240	250	260	320	320	330	330	350	350	
Dimension -mm	567*534.5*722		582.7*494*630.5		701*494*630.5	740.5*492*675	759*530*687.5		759*585*687.5	694*620*793		827.8*615*811.5		827.8*696*811.5		
Bore*Stroke -mm	105*117	110*117	80*90	85*90	80*90	85*100	90*105	98*105	90*105	100*118 (100*105)	102*118	105*118	108*118	105*118	108*118	
Displacement- L	2.026	2.224	1.357	1.532	1.809	2.269	2.672	3.168	2.672	3.707/3.3	3.857	4.087	4.324	4.087	4.324	
Max.ambient temperature	40°C															
Governing rate - Machine	≤5%															
Configuration	Vertical In-line water cooling 4-stroke															
Rotation of crankshaft	clockwise rotation (observing from fan)															
Cylinder number	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	
Induction system	Natural								Turbocharged intercooling	Natural						

STANDARD ACCESSORIES

- 12V electric system (24V optional)
- Fuel, air and oil filter
- Qualification certificate, handbook & service manual
- Size of speed sensor connector is M18*1.5 or M16*1.5.
- Size of oil pressure sensor connector is NPT1/4 or 1/8, water temperature sensor connector is NPT3/8.
- Engines matches with SAE3-7.5 (4-cylinder engines which cylinder diameter is less than or equal to 98mm), SAE3-10 (Model 4100, 4102), SAE3-11.5 (Model 4105, 4108).
- Separate fan
- Cold start aid
- 24V start motor, alternator and solenoid
- Radiator - fan guard & front guard included

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