Technical Data	GE 10 LSX
GENERATOR	
*Stand-by single-phase power	8.5 kVA/kW / 230 V / 36.9 A
*PRP single-phase power	7.7 kVA/kW / 230 V / 33.5 A
Frequecy	50 Hz
Cos φ	1
* Output powers according to ISO 8528-1	
ALTERNATOR	Self-excited, self-regulated, brushless
Type	synchronous, single-phase
Insulation class	H
ENGINE	
Mark / Model	LOMBARDINI 9LD 625/2
Type / Cooling system	Diesel 4-Stroke / air
Cylinder / Displacement	2 / 1248 cm^3
*Stand-by net power	10.7 kW (14.5 HP)
*PRP net power	9.7 kW (13.1 HP)
Speed	1500 rpm
Fuel consumption (75% of PRP)	2 l/h (230 g/Kwh)
Engine oil capacity	2.8 l
Starter	Electric
* Powers according to SAE J1349	
GENERAL SPECIFICATION	
Fuel tank capacity	26 l
Running time (75% of PRP)	13 h
Protection	IP 23
*Dimensions on base Lxwxh	1455x870x880
*Weight on base	438 Kg
Measured acoustic power LwA (pressure LpA)	94 dB(A) (69 dB(A) @ 7 m)
Guardanteed acoustic power LwA (pressure LpA)	95 dB(A) (70 dB(A) @ 7 m) LWA 2000 / 14 / CE
* Dimensions and weight without trolley/trailer.	

OUTPUT

Declared power according to ISO 8528-1 (temperature 25°C, 30% relative humidity, altitude 100 m above sea level).
(*Stand-by) = maximum available power for use at variable loads for a yearly number of hours limited at 500 h. No overload is admitted.
(**Prime power PRP) = maximum available power for use at variable loads for a yearly illimited number of hours. The average power to be taken during a period of 24 h must not be over 80% of the PRP.
It's admitted overload of 10% each hour every 12 h.
In an **approximative** way one reduces: of 1% every 100 m altitude and of 2.5% for every 5°C above 25°C.

ACOUSTIC POWER LEVEL

ATTENTION: The concrete risk due to the machine depends on the conditions in which it is used. Therefore, it is up to the end-user and under his direct responsibility to make a correct evaluation of the same risk and to adopt specific precautions (for instance, adopting a I.P.D. -Individual Protection Device)

Acoustic Noise Level (L_{WA}) - Measure Unit dB(A): it stands for acoustic noise released in a certain delay of time. This is not submitted to the distance of measurement.

Acoustic Pressure (Lp) - Measure Unit dB(A): it measures the pressure originated by sound waves emission. Its value changes in proportion to the distance of measurement.

The here below table shows examples of acoustic pressure (Lp) at different distances from a machine with Acoustic Noise Level (L_{WA}) of 95 dB(A)

Lp a 1 meter = 95 dB(A) - 8 dB(A) = 87 dB(A)
Lp a 4 meters = 95 dB(A) - 20 dB(A) = 75 dB(A)
Lp a 7 meters = 95 dB(A) - 25 dB(A) = 70 dB(A)
Lp a 10 meters = 95 dB(A) - 28 dB(A) = 67 dB(A)

PLEASE NOTE: the symbol LWA 2000 / 14 / CE when with acoustic noise values, indicates that the device respects noise emission limits according to 2000/14/CE directive.