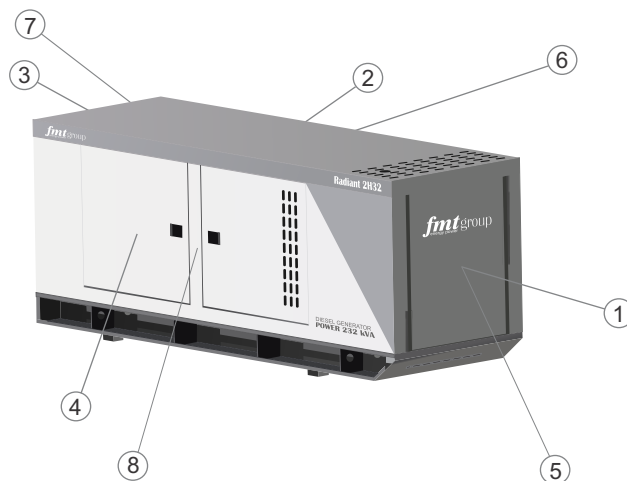


Measuring date	
Measuring place	
Measuring time	
Measuring people	



1. Basic data of measurement

Manufacturer	FMT GROUP		
Genset Model		Serial number	
Dimension (mm)		Rated output (kw)	
Genset speed		Type of fuel	
Engine Brand		Engine Model	
Engine SN.		Type of engine cooling	
Alternator Brand		Alternator Model	
Alternator SN.			

2. Details of measurement conditions

Average electrical output in kW		Genset speed rpm	
Ambient temperature °C		Humidity %	
Ground conditions		Wind speed m/s	

3. Measuring equipment used

1- Sound Level Meter			
Manufacturer	Intell Instruments Plus	Type	Smart Sensor
2- Multifunctional Anemoscope			
Manufacturer	Testo	Type	Testo 410-2
3- Tapeline			
Manufacturer	Acoustic Form	Type	FF 300

LOAD: 0%

distance= 1m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
1	South side				
2	Eastern side				
3	North side				
4	Western side				

Calculation of the average for all points measured at 1m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

Note: The result refers only to the moment when the measurement is performed.

4. Measuring values and measuring results

distance= 7m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
5	South side				
6	Eastern side				
7	North side				
8	Western side				

Calculation of the average for all points measured at 7m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

5. Measuring values and measuring results

■ Load: 25%

distance= 1m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
1	South side				
2	Eastern side				
3	North side				
4	Western side				

Calculation of the average for all points measured at 1m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

distance= 7m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
5	South side				
6	Eastern side				
7	North side				
8	Western side				

Calculation of the average for all points measured at 7m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

■ Load: 50%

distance= 1m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
1	South side				
2	Eastern side				
3	North side				
4	Western side				

Calculation of the average for all points measured at 1m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

distance= 7m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
5	South side				
6	Eastern side				
7	North side				
8	Western side				

Calculation of the average for all points measured at 7m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

■ Load: 75%

distance= 1m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
1	South side				
2	Eastern side				
3	North side				
4	Western side				

Calculation of the average for all points measured at 1m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

distance= 7m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
5	South side				
6	Eastern side				
7	North side				
8	Western side				

Calculation of the average for all points measured at 7m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

■ Load: 100%

distance= 1m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
1	South side				
2	Eastern side				
3	North side				
4	Western side				

Calculation of the average for all points measured at 1m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

distance= 7m

No.	Measurement side (station)	Measuring time (data, time)		Results, dB(A)	
		starting	finish	LA _{eq}	LA _{max}
5	South side				
6	Eastern side				
7	North side				
8	Western side				

Calculation of the average for all points measured at 7m distance from the generator

$$L_{pA} = 10 \lg \left(\frac{1}{8} \sum_{n=1}^8 10^{0.1 L_{pAi}} \right) - K_{2A} \quad L_{pA} = \quad dB$$

Note: The result refers only to the moment when the measurement is performed.