



INFORMATION DOCUMENT
N° BW28/134/2014 rev. 00

Date: 04/06/2024
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Termignoni S.p.A.
Via della Rampina, 1
I-15077 Predosa (AL)
Italy

**APPLICATION FOR APPROVAL OF SEPARATE TECHNICAL UNIT OF
EXHAUST SYSTEMS FOR MOTORCYCLE PURSUANT
TO REGULATION (EU) 134/2014 AS AMENDED BY
REGULATION (EU) NO. 2023/2724**

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF
TWO- OR THREE-WHEEL VEHICLES AND QUADRICYCLES WITH
REGARD TO NOISE-ABATEMENT DEVICE**

Total number of pages: 10 (Including Annex)

Predosa, IT
04.06.2024


Technical manager





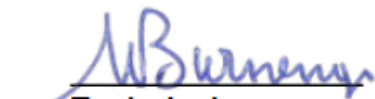
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Confirmation

We declare hereby that the specimen submitted for this approval test have been manufactured and assembled in conditions of ordinary mass production and that they are compatible with the enclosed documentation.

Predosa, IT
04.06.2024


Technical manager





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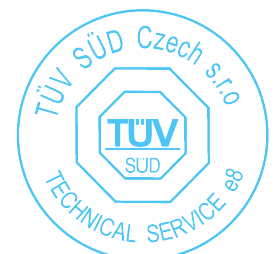




0. GENERAL INFORMATION

B. General information concerning systems, components or separate technical units

- 0.7. Make (trade name of manufacturer):** Termignoni
- 0.8. Type:** BW28
Variants: details see Appendix 4.
- 0.8.1. Commercial name (if available): --
- 0.8.2. Type-approval number (if available): --
- 0.8.3. Type-approval issued on (date, if available): N/A
- 0.9. Company name and address of manufacturer:** Termignoni S.p.A.
Via della Rampina, 1
I-15077 Predosa (AL)
Italy
- 0.9.1. Name and address of assembly plants: Termignoni S.p.A.
Via della Rampina, 1
I-15077 Predosa (AL)
Italy
- 0.9.2. Name and address of manufacturer's authorised representative, if any: N/A
- 0.10. Vehicle for which the system/separate technical unit is intended for**
- 0.10.1. Type: see Appendix 1
- 0.10.2. Variant: see Appendix 1
- 0.10.3. Version: see Appendix 1
- 0.10.4. Commercial name: see Appendix 1
- 0.10.5. Engine Type: see Appendix 1
- 0.10.6. Engine Capacity: see Appendix 1
- 0.10.7. Declared maximum vehicle speed: see Appendix 1
- 0.10.8. Maximum net power combustion engine: see Appendix 1
- 0.10.9. Maximum net torque combustion engine: see Appendix 1
- 0.10.10. Fuel consumption: see Appendix 1
- 0.10.11. CO2 emission: see Appendix 1
- 0.10.12. Category of vehicle: see Appendix 1
- 0.10.13. Vehicle type Approval certificate No.: see Appendix 1





C. General information concerning vehicle, systems, components or separate technical units

0.12. Conformity of production

0.12.1. Description of overall quality-assurance management systems according to described internal quality management initially assessment has been executed.

1. GENERAL CONSTRUCTION CHARACTERISTICS

1.8. Propulsion unit performance

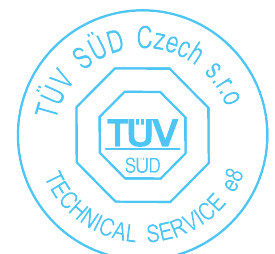
Engine type:	see Appendix 1
Engine Capacity:	see Appendix 1
1.8.1. Declared maximum vehicle speed:	see Appendix 1
1.8.3. Maximum net power combustion engine:	see Appendix 1
1.8.4. Maximum net torque combustion engine:	see Appendix 1
1.8.5. Maximum continuous-rated power electric motor (15/30 minutes power):	N/A
1.8.6. Maximum continuous-rated torque electric motor:	N/A
1.8.7. Maximum continuous total power for propulsion:	N/A
1.8.8. Maximum continuous total torque for propulsion:	N/A
1.8.9. Maximum peak power for propulsion:	N/A

4. GENERAL INFORMATION ON ENVIRONMENTAL AND PROPULSION UNIT PERFORMANCE

4.0.1. Environmental step:	see Appendix 1
4.0.2. Fuel consumption:	see Appendix 1
4.0.3. CO ₂ emissions:	see Appendix 1
4.0.4. Energy consumption:	N/A
4.0.5. Electric range:	N/A
4.0.6. Limit value:	77 dB(A)

4.4. Additional information on environmental and propulsion unit performance

4.4.4. Applicable information document set out in respectively UN Regulation No 92 shall supplement this information document with regards to the noise-abatement devices installed on the vehicle. N/A





Technical description:

Non-original exhaust system, according to drawings no. "BW28 : Silencer", consists of: single silencer on the right side of the vehicle rear, total length 490,0 mm (with endcap and junction pipe), absorption-reflection principle with single outlet pipe of $\varnothing 48$ mm (inner section), in combination with original header system. The silencer has been designed in three possible variants: TCSF, SCSF, CCSF, according to appendix 4

Repair and maintenance information are in manual and webpage: www.termignoni.it

Position and direction of the tail pipe:

On the right side of the vehicle, in longitudinal direction

Used materials: see appendix 4

Place of marking:

On the silencers, see enclosed drawings of silencers and composition "BW28: Silencer"





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Appendix 1 – List Vehicles

No. Vehicle	Manufacturer	Make	Commercial name	WVTA	Category	Vehicle Type	Variant	Version	Engine Type	Stroke	Engine capacity cm3	Env. Step Euro	Rated maximum engine Power kW/min-1	Rated maximum engine torque Nm /min-1	Fuel consumption l/100km :	CO2 emission g/km	Declared Maximum Speed km/h
1	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00326	L3e-A3	GG13	0M21	A	A75B13A	4	1300	5+	107 / 7750	149 / 6500	4,8	110	225
2	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00326	L3e-A3	GG13	0M21	AF1	A75B13A	4	1300	5+	107 / 7750	149 / 6500	4,8	110	225
3	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00326	L3e-A3	GG13	0M21	AF1G1	A75B13A	4	1300	5+	107 / 7750	149 / 6500	4,8	110	225
4	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00326	L3e-A3	GG13	0M21	AF2	A75B13A	4	1300	5+	107 / 7750	149 / 6500	4,8	110	225
5	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00326	L3e-A3	GG13	0M21	AF2G1	A75B13A	4	1300	5+	107 / 7750	149 / 6500	4,8	110	225
6	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00326	L3e-A3	GG13	0M21	AG1	A75B13A	4	1300	5+	107 / 7750	149 / 6500	4,8	110	225
7	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00327	L3e-A3	GG13r	0M21	B	A75B13A	4	1300	5+	79 / 6500	145 / 5000	4,9	113	204
8	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00327	L3e-A3	GG13r	0M21	BF1	A75B13A	4	1300	5+	79 / 6500	145 / 5000	4,9	113	204
9	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00327	L3e-A3	GG13r	0M21	BF1G1	A75B13A	4	1300	5+	79 / 6500	145 / 5000	4,9	113	204
10	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00327	L3e-A3	GG13r	0M21	BF2	A75B13A	4	1300	5+	79 / 6500	145 / 5000	4,9	113	204
11	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00327	L3e-A3	GG13r	0M21	BF2G1	A75B13A	4	1300	5+	79 / 6500	145 / 5000	4,9	113	204
12	Bayerische Motoren Werke AG	BMW	R 1300 GS	e1*168/2013*00327	L3e-A3	GG13r	0M21	BG1	A75B13A	4	1300	5+	79 / 6500	145 / 5000	4,9	113	204



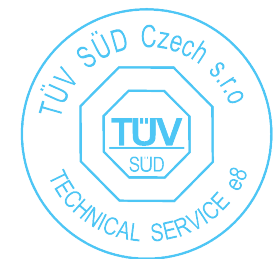


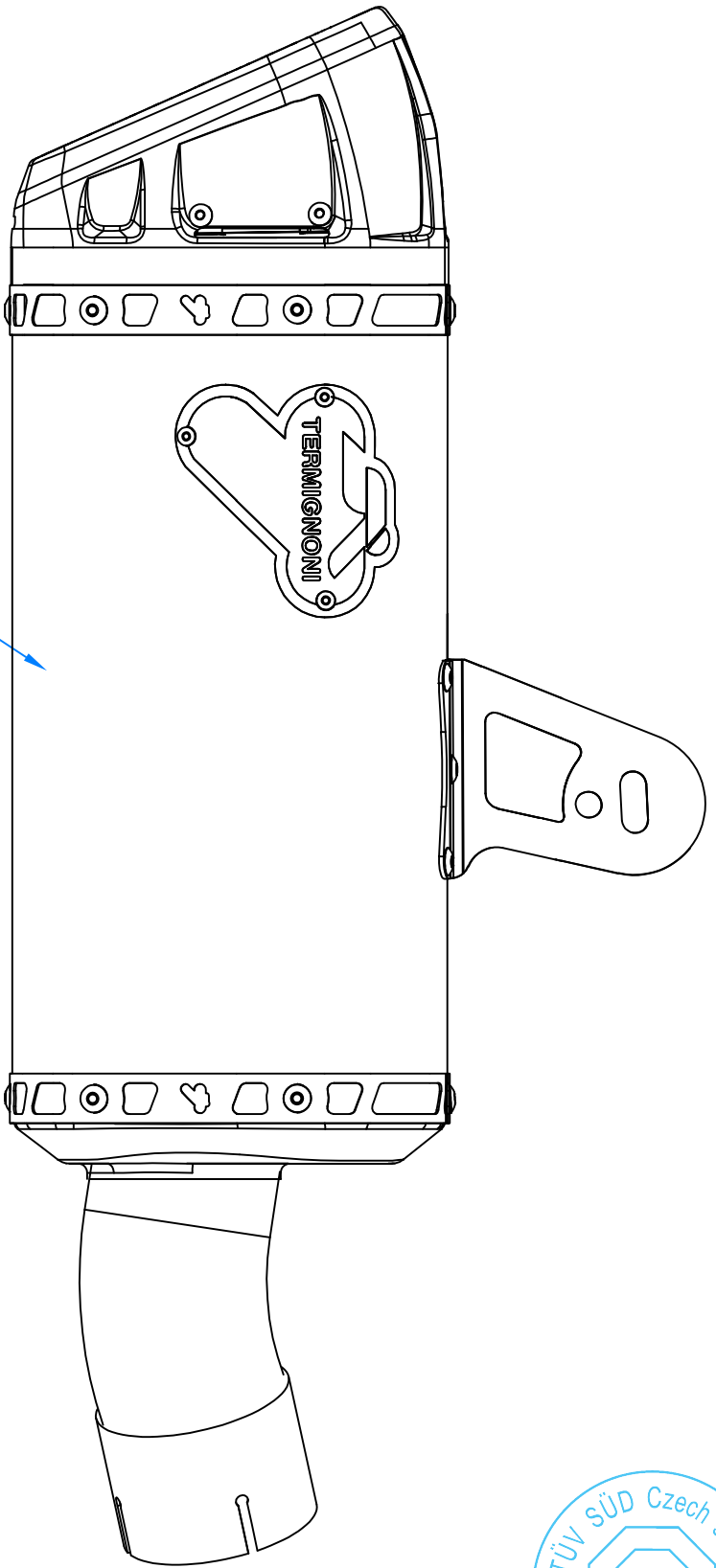
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Appendix 2 - Composition of the original exhaust system + original parts

No.	Components parts, dimensions in mm	Dimensions of the part in mm or original part / replacement part	Part no. or homologation no.
1)	Collectors and final body	Original part	--
2)	Catalytic converter	Original part	--
3)	Assembly	Replacement Part	"BW28 : Assembly"
4)	Silencer	Replacement Part	"BW28 : Silencer"

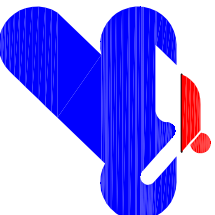




SILENCER
see drawing "BW28_SILENCER"

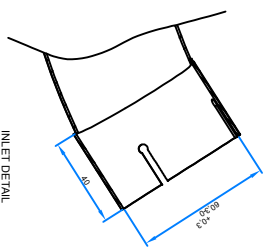
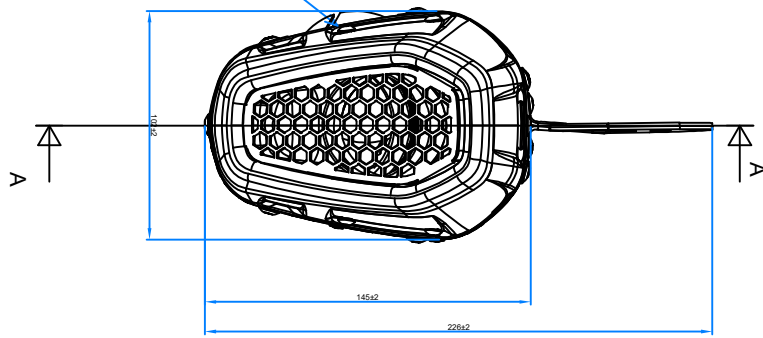
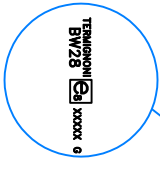
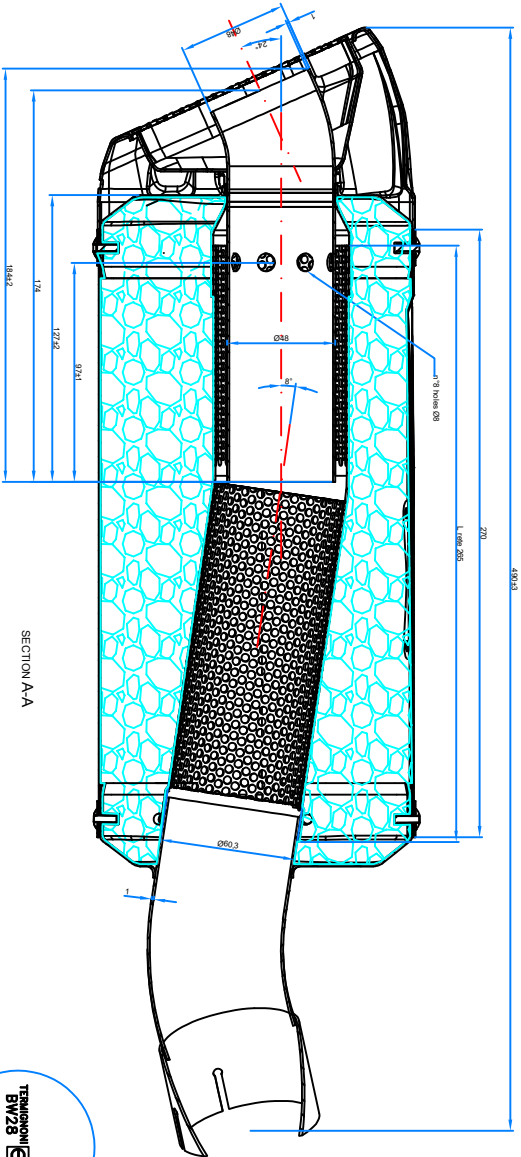
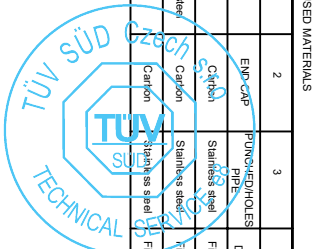


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Scale: Drawing not to scale	Model: BMW GS 1300 MY24	 TERMIGNONI S.p.a. Via della Rampina, 1 Predosa - (AL) Italy info@termignoni.it
Date: 28/05/2024	Model: BMW e8 XXXXX G	
Name: Zappia C.	Type: BMW28 : ASSEMBLY	

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USED MATERIALS				
PART NAME / REF	1	2	3	4
SHELL	END-CAP	PURGE/HEAD/HOLES PIPE	DEADENER	SOUND
VERSION	Titanium	Carbon	Stainless steel	Fiber glass
TCSEF	Carbon	Carbon	Stainless steel	Fiber glass
SCSEF	Stainless steel	Carbon	Stainless steel	Fiber glass
CCSEF	Carbon	Carbon	Stainless steel	Fiber glass



General tolerance: +/- 1mm

Scale: Drawing not to scale	Model: BMW GS 1300 MY24	
Date: 28/05/2024	BMW GS 1300 MY24	
Name: Zappia C.	BMW e8 XXXXXX G	TERMIGNONI S.p.a. Via della Raampina, 1 Predosa - (AL) Italy info@termignoni.it
Type: BW28: SILENCER		

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