



Finnish Institute of
Occupational Health

FIOH
notified by the Ministry of Social Affairs and Health and identified under
0403 grants

EC TYPE EXAMINATION CERTIFICATE EXTENSION

14167TBS02

for level-dependent ear muff type hearing protector
with electrical audio input as defined in
EN 352-1:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002

3M Peltor ComTac XPI MT20H682FB-**

3M Peltor ComTac XPI MT20H682BB-**

3M Svenska AB
Värnamo, Sweden

These products comply with Directive 89/686/EEC, as amended

Helsinki, 12 November 2015
Expiry date: 11 November 2020

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This certificate comprises 3 pages and two appendices.



1. Applicant

3M Svenska AB
Malmstengatan 19
S-33102 Värnamo
Sweden

2. Description and identification of the products

Type: Level-dependent ear muff type hearing protector with auxiliary connection as defined in EN 352-1:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002

Name: 3M Peltor ComTac XPI MT20H682FB-**
3M Peltor ComTac XPI MT20H682BB-**
The stars in the names stand for different microphones and connection types
A list of model variants is in Appendix 2

Size range: Small, medium and large

Manufacturer: 3M Svenska AB

Pictures of the products:



ComTac XP MT17H682FB-69
with bone conductive
microphone



ComTac XPI MT20H682FB-86



ComTac XP MT17H682BB-38

3. Alteration to the original product

The products have a new speaker and the electronics have been updated. The modifications of the products have been tested in accordance with harmonized European standards EN 352-6:2002 and EN 352-4:2001/A1:2005 by accredited testing methods.



4. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The documents referred to and assessments in EC type examination certificate no. 14167TBS01 do apply. The modification of the products is documented adequately. The models of the products supplied by the applicant conform to the technical documentation.

The modified products and the accordingly modified documentation comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC (in Finland VNp 1406/93 Liite 1).

Note: Any modification in design, materials, or in the technical documentation, carried out on these type-examined products must be brought to the attention of FIOH.

Appendix 1. Technical documentation

End of EC type examination certificate extension 14167TBS02.



Documentation regarding EC type examination certificate extension

Product name: 3M Peltor ComTac XPI MT20H682FB-**
3M Peltor ComTac XPI MT20H682BB-**
Applicant: 3M Svenska AB

<i>Item of documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	Nermin Jusufovic, 2015-11-04	
2. Product drawings, construction, and material lists	Product descriptions and assembly drawings appendix to application. Documents listed in Appendix 2.	The products and materials are identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.5	
3.1 FIOH assessment of relevant Directive basic requirements	2015-11-12	The applied harmonised standards EN 352-1:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002 support the relevant requirements
3.2 FIOH test reports	27151T01, 2007-04-15 29259T02, 2010-04-13	3M Peltor ComTac XP MT17H682FB-02 and 3M Peltor ComTac XP MT17H682BB-38 fulfil the requirements of EN 352-1:2002. Models MT20H682FB-** and MT20H682BB-** are mechanically and acoustically identical to MT17H682FB-02 and MT17H682BB-38. The differences between the models are MT20 microphone and changes on the PCB. Based on this, it can be assessed that 3M Peltor ComTac XPI MT20H682FB-** and 3M Peltor ComTac XPI MT20H682BB-** would also fulfil the requirements of EN 352-1:2002.
	28500T02, 2010-05-19	The effect of the bone conductive microphone of 3M Peltor ComTac XP MT17H682FB-69 to the minimum attenuation values was tested. The values deviate less than 3 dB from the original attenuation values reported on test report 27151T01. Hence, the original attenuation values can be used for 3M Peltor ComTac XPI MT20H682FB-69 also.
	CAB 15-2171-9465-282, 2015-09-21	3M Peltor ComTac XPI MT20H682FB-86 fulfils the requirements of EN 352-6:2002



<i>Item of documentation</i>	<i>Document identification</i>	<i>Assessment</i>
3.3 Combitech test report	CAB 15-2301-7439-404, 2015-09-23	3M Peltor ComTac XP MT20H682FB-86 fulfils the requirements of EN 352-4:2001/A1:2005
3.4 Draft information sheet	FP3752_Rev.b07 appendix to application	Adequate
3.5 Product markings	Appendix to application, label documents listed in Appendix 2	Adequate
4. Description of the production quality system and related product control and test facilities	Quality assurance P150225 rev.a, 2015-10-19	Adequate

End of documentation list.



PELTOR Product number	Description	Color	Microphone	External connection	Headband	Leaflet	PCB	Outer box label	Inner box label	Product label
MT20H682BB-38	COMTAC XPI, DYN, STD	GREEN	Boom mic, Dynamic (MT7N)	J11 (STANDARD)	Neckband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682BB-38 SV	COMTAC XPI, DYN, STD	BLACK	Boom mic, Dynamic (MT7N)	J11 (STANDARD)	Neckband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682BB-86	COMTAC XPI, DYN, NATO	GREEN	Boom mic, Dynamic (MT7N)	J11 (NATO)	Neckband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-02	COMTAC XPI	GREEN	N/A	N/A	Headband	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-02 SV	COMTAC XPI	BLACK	N/A	N/A	Headband	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-04	COMTAC XPI, FINLAND	GREEN	N/A	N/A	Headband	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-19B	COMTAC XPI, DYN, DUAL NATO	GREEN	Boom mic, Dynamic (MT31)	J11 (NATO)	Headband w. mic guide.	FP3752	K383D	Y0200	I0101	T1037
MT20H682FB-33	COMTAC XPI, DYN, STD	GREEN	Boom mic, Dynamic (MT7N)	J11 (STANDARD)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-38	COMTAC XPI, DYN, STD	GREEN	Boom mic, Dynamic (MT7N)	J11 (STANDARD)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-38 SV	COMTAC XPI, DYN, STD	BLACK	Boom mic, Dynamic (MT7N)	J11 (STANDARD)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-68	COMTAC XPI, DYN, STD	GREEN	Boom mic, Dynamic (MT31)	J11 (STANDARD)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-68 SV	COMTAC XPI, DYN, STD	BLACK	Boom mic, Dynamic (MT31)	J11 (STANDARD)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-69	COMTAC XPI, BC, MONO	GREEN	Bone conducted (M127)	Circular, MONO	Headband	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-86	COMTAC XPI, DYN, NATO	GREEN	Boom mic, Dynamic (MT7N)	J11 (NATO)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-86 SV	COMTAC XPI, DYN, NATO	BLACK	Boom mic, Dynamic (MT31)	J11 (NATO)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-87	COMTAC XPI, DYN, NATO	GREEN	Boom mic, Dynamic (MT31)	J11 (NATO)	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-88	COMTAC XPI, DYN, STEREO	GREEN	Boom mic, Dynamic (MT7N)	J11, STEREO	Headband w. mic guide.	FP3752	K383B	Y0200	I0101	T1037
MT20H682FB-89	COMTAC XPI, DYN, MONO	GREEN	Boom mic, Dynamic (MT31)	Circular, MONO	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-90	COMTAC XPI, DYN, MONO	GREEN	Boom mic, Dynamic (MT31)	Circular, MONO	Headband w. mic guide.	FP3752	K383A	Y0200	I0101	T1037
MT20H682FB-95	COMTAC XPI, BC, STEREO	GREEN	Bone conducted (M127)	J11, STEREO	Headband	FP3752	K383B	Y0200	I0101	T1037
MT20H682FB-96	COMTAC XPI, ODU	GREEN	Boom mic, Dynamic (MT31)	Circular, MONO	Headband w. mic guide.	FP3752	K383C	Y0200	I0101	T1037
MT20H682FB-97	COMTAC XPI, BC, STD	GREEN	Bone conducted (M127)	J11 (STANDARD)	Headband	FP3752	K383D	Y0200	I0101	T1037
MT20H682FB-98	COMTAC XPI, BC, NATO	GREEN	Bone conducted (M127)	J11 (NATO)	Headband	FP3752	K383D	Y0200	I0101	T1037