NSAI Certification

ECE TYPE-APPROVAL CERTIFICATE

E24

Communication Concerning: Approval granted
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitively discontinued~~

Of a type of electrical/electronic sub-assembly with regard to Regulation No.10.

Approval No: ***E24*10R05/01*2552*00***

1.	Make (trade name of manufacturer):	***Sanden***
2.	Type and general commercial description:	***Electric Refrigerant Compressor (LIN Version)***
	Variant(s):	***HV-electric compressor (LIN Version)***
3.	Means of identification of type, if marked on the component:	***SHS – 33H3142***
3.1	Location of that marking:	***On the housing***
4.	Category of vehicle:	***See Appendix***
5.	Name and address of manufacturer:	***Sanden International (Europe) Ltd. Rosewood, Crockford Lane, Chineham Lane, Chineham Park, des Barbanniers, Hampshire RG24 8UT United Kingdom***
6.	In the case of components and separate technical units, location and method of affixing of the ECE approval mark:	***Adhesive label on the device wiring***
7.	Address(es) of assembly plant(s):	***Sanden Manufacturing Europe Le Quiliou BP30 35190 Tineniac France***

NSAI, 1 Swift Square, Northwood, Santry, Dublin 9, Ireland. Telephone: (+353+1) 807 3800, Facsimile: 01-807 3844

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8.	Additional information (where applicable):	***See appendix***
9.	Technical service responsible for carrying out the tests:	***SGS-TÜV Saar GmbH, Am TÜV 1, D-66280 Sulzbach, Germany.***
10.	Date of test report:	***30.05.2018***
11.	Number of test report:	***N0N90001-00***
12.	Remarks (if any):	***See Appendix***
13.	Place:	***Dublin***
14.	Date:	***27th June, 2018***
15.	Signature:	

NATIONAL STANDARDS AUTHORITY OF IRELAND
NSAI Certification
TRANSPORT DEPARTMENT

16. The index to the information package lodged with the approval authority, which may be obtained on request is attached.

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Appendix

To type-approval communication concerning the type approval
of an electrical/electronic sub-assembly under Regulation No.10.

1.	Additional information	
1.1.	Electrical system rated voltage:	***12V, positive ground***
1.2.	This ESA can be used on any vehicle type with the following restrictions:	***See manufacturer's specifications.***
1.2.1	Installation conditions, if any:	***See manufacturer's specifications.***
1.3.	This ESA can only be used on the following vehicle types:	*N/A*
1.3.1	Installation conditions, if any:	*N/A*
1.4.	The specific test method(s) used and the frequency ranges covered to determine immunity were:	***Bulk current injection method*** *Frequency range: 20 - 200 MHz* ***Free field testing method*** *Frequency range: 200 - 2000 MHz*
1.5.	Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests:	***Mooser EMC Technik***
2.	Remarks:	*N/A*

Appendix to type-approval communication concerning the
type approval of a vehicle under Regulation No.10.

1.	Additional information	
2.	Special devices for the purpose of Annex 4 to this Regulation:	*N/A*
3.	Electrical system rated voltage:	*N/A*
4.	Type of bodywork:	*N/A*
5.	List of electronic systems installed in the tested vehicle(s) not limited to the items in the information document:	*N/A*
5.1	Vehicle equipped with 24 GHz short-range radar equipment (yes/no):	*N/A*
6.	Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests:	*N/A*
7.	Remarks:	*N/A*

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