

Emerson Climate Technologies GmbH
 Am Borsigturm 31
 D-13507 Berlin

EU DECLARATION OF CONFORMITY

We hereby declare under our sole responsibility that the following products ZX family:

ZXLE-018*	ZXLE-023*	ZXLE-028*				
ZXLE-020*	ZXLE-025*	ZXLE-030*	ZXLE-040*	ZXLE-050*	ZXLE-060*	ZXLE-075*
ZXLY-020*	ZXLY-030*	ZXLY-040*	ZXLY-050*	ZXLY-060*	ZXLY-075*	
ZXME-013*	ZXME-015*	ZXME-018*				
ZXME-020*	ZXME-025*	ZXME-030*	ZXME-040*	ZXME-050*	ZXME-060*	ZXME-075*
ZXMY-020*	ZXMY-030*	ZXMY-040*	ZXMY-050*	ZXMY-060*	ZXMY-075*	
ZXDE-030*	ZXDE-040*	ZXDE-050*	ZXDE-060*	ZXDE-075*		
ZXDY-030*	ZXDY-040*	ZXDY-050*	ZXDY-060*	ZXDY-075*		
ZXDI-040*	ZXDI-050*	ZXDI-060*	ZXDI-075*			

*followed by the motor version and BoM product variation

comply with the basic requirements of following **EU Directives**:

- **Low Voltage Directive 2014/35/EU**

Above listed electrical equipment complies with the basic requirements of the Low Voltage Directive 2014/35/EU.

Applied harmonized standards:

- EN 60335-1:2012 Household and similar electrical appliances – Safety. Part 1: General requirements.
- EN 60335-2-89:2010 Household and similar electrical appliances – Safety. Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor
- EN 60335-2-40:2003 Household and similar electrical appliances – Safety. Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Other standards:

- IEC 60335-2-40:2018 Household and similar electrical appliances – Safety. Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

- **Pressure Equipment Directive 2014/68/EU**

Above listed pressure equipment is classified as an assembly in category 1 or 2 according to Article 13 of the Pressure Equipment Directive 2014/68/EU (PED) based on the volume of incorporated pressure vessel, compressor and fluid group. Provided that the products are used in accordance with the Application Guideline and with the refrigerants they are released for.

Fluid Group 2 according to PED ¹⁾	Fluid Group 1 according to PED ¹⁾
Conformity assessment: Category I – Modul A (Internal production control)	Conformity assessment: Category II – Modul A2 (Internal production control plus supervised pressure equipment checks at random intervals)
Not applicable	Certificate of conformity: 10.767.713
Not applicable	Notified body: TÜV SÜD Czech s.r.o Nr. 1017 Novohradská 994 142 21 Prague 4 Czech Republic

1) for the full list of refrigerants see the Application Guideline

Applied harmonized standards:

EN 378-2: 2016 Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation

The PED category classification of the pressure equipment included in the condensing unit are as listed below*:

Pressure Equipment	Description	PED category	Conformity Assessment procedure
Vessel	Tank liquid 1,8L	I	A
Vessel	Copeland Scroll Compressor	I	A
Vessel	Filter Drier V<1L	ART 4.3	N/A
Vessel	Heat Exchanger V<1L	ART 4.3	N/A
Piping	Tubes and Fittings DN<32	ART 4.3	N/A
Piping	Condenser	ART 4.3	N/A
Piping	Sight Glass	ART 4.3	N/A
Safety Device	Type Approved Pressure Limiter	IV	B + D
Pressure Accessory	Pressure Switch	IV	B + D
Pressure Accessory	Valves DN<32	ART 4.3	N/A

*for models **ZXME-013, ZXME-015, ZXME-018, ZXLE-018, ZXLE-023, and ZXLE-028**

Pressure Equipment	Description	PED category	Conformity Assessment procedure
Vessel	Tank liquid 3.9L	I	A
Vessel	Tank liquid 5.9L	I	A
Vessel	Copeland Scroll Compressor	I	A
Vessel	Filter Drier V<1L	Art. 4.3	N/A
Vessel	Oil Separator	I	A
Vessel	Suction Accumulator	I	A
Vessel	Heat Exchanger V<1L	Art. 4.3	N/A
Piping	Tubes and Fittings DN<32	Art. 4.3	N/A
Piping	Condenser	Art. 4.3	N/A
Piping	Sight Glass	Art. 4.3	N/A
Safety Device	Type Approved Pressure Limiter	IV	B + D
Pressure Accessory	Valves DN<32	Art. 4.3	N/A
Pressure Accessory	Pressure Probes	Art. 4.3	N/A

***for models ZXME-020E to 075E, ZXDE-030E to 075E, ZXLE-020E to 075E and ZXDI**

Pressure Equipment	Description	PED category	Conformity Assessment procedure
Vessel	Tank Liquid 3.9L / 5.9L	II	A2
Vessel	Copeland Scroll Compressor YB / YBD / YF	II	A2
Vessel	Filter Drier V<1L	ART 4.3	N/A
Vessel	Oil Separator	I	A
Vessel	Suction Accumulator	II	A2
Piping	Tubes and Fittings DN<25	ART 4.3	N/A
Piping	Condenser	ART 4.3	N/A
Piping	Sight Glass	ART 4.3	N/A
Safety device	Type approved pressure limiter	IV	B + D
Pressure Accessory	Valves DN<25	ART 4.3	N/A
Pressure Accessory	Pressure Probes	ART 4.3	N/A

***for models ZXMY, ZXDY and ZXLY**

- **Electromagnetic Compatibility 2014/30/EU**

Above listed equipment complies with the basic requirements of the EMC directive 2014/30/EU.

Applied harmonized standards:

- EN 62233: 2008 Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure
- EN 55014-1: 2006 Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 1: Emission
- EN 55014-2: 1997 Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard

EN 61000-3-2: 2006	Electromagnetic compatibility (EMC) - Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3: 2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 61000-6-2:2005	Electromagnetic compatibility (EMC) -Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3: 2007	Electromagnetic compatibility (EMC) -- Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

- **Ecodesign Directive 2009/125/EC**

We declare that the above listed products are compliant with basic requirements of the Directive 2009/125/EC of the European Parliament and of the Council of October 21st, 2009. Compliance with this regulation has been verified following the requirements in the Annex V 1a of the EU regulation (EU) 2015/1095 for implementing of the Ecodesign Directive 2009/125/EC.

Detailed product information required in tables 4 and 5 of the regulations are available for individual products with permitted refrigerant fluids in Copeland Selection Software v.8, which is freely available on the website <http://www.emersonclimate.com>.

To incorporate these ‘partly completed machinery’ into a machine the Declaration of Incorporation according to the Machinery Directive has to be observed.

Signed for and on behalf of Emerson Climate Technologies GmbH:



Matthew Irons (Vice-President Engineering)
Aachen, Oct 13, 2022