



Mi, proizvođač/ We, the manufacturer: **KONČAR - MES d.d., Fallerovo šetaliste 22, 10000 Zagreb, Croatia** izjavljujemo i potvrđujemo pod punom odgovornošću sukladnost proizvoda: *With full responsibility we state and confirm conformity of the product:*

Code:	<b>1818112</b>	Fan:	<b>VARSK T 450HN</b>		
N°:		<b>01/21</b>	P <sub>stat</sub> Pa	<b>352</b>	Meas.cat.
Type:	<b>VARSK T 450HN</b>		P <sub>tot</sub> Pa	<b>417</b>	Over. eff.
Mot. Type:	<b>5AT 90S-4</b>		n rpm	<b>1380</b>	Eff. grade
Custom mark:			U V	<b>400 Y</b>	VSD <b>N</b>
			f Hz	<b>50</b>	T <sub>min-max</sub> °C <b>-20/+50</b>
Q: m <sup>3</sup> /s	<b>1,67</b>		P <sub>1</sub> kW		T <sub>m</sub> kg/m <sup>3</sup> <b>1,2</b>
			Ir A		Weight kg <b>58</b>

**PROTECTION: II 2G Ex db eb h IIB+H2 T3/T4 Gb**

**VENTILATOR U PROTUEKSPLOZIJSKOJ IZVEDBI / ANTISPARKING FANS**

AKSIJALNI / AXIAL VAAZ T..225-1600	CENTRIFUGALNI / CENTRIFUGAL VARSK T..160-1120
Deklarirano za temperaturu okoline / Marking for ambient temperature: -50°C to +40°C/+50°C/+60°C/+80°C: II 2G Ex db h IIB+H2 T5...T3 Gb II 2G Ex db eb h IIB+H2 T5...T3 Gb II 2G Ex db h IIB T3 Gb II 2G Ex db eb h IIB T3 Gb II 2D Ex h tb IIIC T90°C ...T160°C Db II 2G Ex eb h IIB+H2 T4...T3 Gb II 3G Ex ec h IIC/IIB/IIA T4...T3 Gc II 3D Ex h tc IIIC T90°C ...T160°C Dc Certifikat/Certificate: <b>FIDI 20 ATEX 0009</b>	Deklarirano za temperaturu okoline / Marking for ambient temperature: -50°C to +40°C/+50°C/+60°C/+80°C: II 2G Ex db h IIB+H2 T5...T3 Gb II 2G Ex db eb h IIB+H2 T5...T3 Gb II 2G Ex db h IIB T3 Gb II 2G Ex db eb h IIB T3 Gb II 2D Ex h tb IIIC T90°C ...T160°C Db II 2G Ex eb h IIB+H2 T4...T3 Gb II 3G Ex ec h IIC/IIB/IIA T4...T3 Gc II 3D Ex h tc IIIC T90°C ...T160°C Dc Certifikat/Certificate: <b>FIDI 21 ATEX 0007</b>

Protueksplozijski ventilatori **VAAZ T.. 225-1600** i **VARSK T..160-1120** izrađeni su u skladu s **ATEX regulativom 2014/34/EU (94/9/EC)** i harmoniziranim normama **EN 80079-36:2016** i **EN 80079-37:2016**, **EN 14986:2017**, **EN 60079-0:2018**, **EN 60079-1:2014**, **EN 60079-7:2015/A1:2018** i **EN 60079-31:2014** i potvrđeni tipnim certifikatima (FIDI 20 ATEX 0009, EXA 13 ATEX 0049 i EXA 13 ATEX 0048) i potvrdom o kvaliteti proizvoda CESI 04 ATEX 084Q izdane od certifikacijske kuće CESI – broj: 0722. Ventilatori su izrađeni u skladu s važećim sigurnosnim zahtjevima relevantnih industrijskih normi ISO 5801, ISO 12499, ISO 14694, EN 13857, EN 50216-12, EN 60034-1, EN 60204-1, EN 60529, EN 61000-6-2, EN 61000-6-4, EN 12100-1 i EN 12100-2. Za svaku jedinicu proizvoda izdajemo pojedinačnu Izjavu o sukladnosti i Upute za rad i održavanje. **EMC regulativa 2014/30/EU (2004/108/EC)**, s obzirom na intrinzičke karakteristike emisije i razina imunosti, su u skladnosti sa EN 60034-1 (za NISKONAPONSKE TROFAZNE ASINHRONE KAVEZNE MOTORE). Dokaz o ispunjavanju zahtjeva: Evaluation Report 21580EMC150049 (KONČAR-IET). **Niskonaponska regulativa 2014/35/EU** – Ova izjava o sukladnosti izrađena je u skladu sa modulom A: Unutarnja kontrola proizvodnje. **Regulativa o strojevim 2006/42/EC** – Izjava o ugradnji – Oprema ventilatora se ugrađuje u postrojenje koje je u skladu s MC 2006/42/EC. **ErP regulativa 2009/125/EC** – Ova izjava o sukladnosti izrađena je u skladu sa zahtjevima 2009/125/EC regulative i Uredbe komisije (EU) br. 327/2011 za visuku učinkovitost ventilatora. **Regulativa 2011/65/EU** – Izjava je sukladna Regulativi o ograničenju uporabe određenih opasnih tvari u električnoj i elektroničkoj opremi (preinačeno), uključujući 2015/863/EU **Broj certifikata Tehničko nadgledanje proizvodnje Ex-proizvoda CESI 04 ATEX 084 Q, (CESI br.0722)**

**Pregled najvažnijih ispitivanja:**  
Proizvod na koji se odnosi ova izjava proizveden je i ispitan prema važećim propisima društva «KONČAR – MES» d.d.. Rezultati ispitivanja zadovoljavaju zahtjeve, te su dokumentirani u ispitnim izvještajima. Rezultati ispitivanja su baza ove Izjave o sukladnosti proizvoda. Ispitivani proizvodi su označeni sa svrhom sljedivosti i stoga se mogu dodijeliti ovoj izjavi. Ovim potvrđujemo, da su dijelovi proizvedeni prema radioničkim crtežima i od prvoklasnog materijala u skladu s EN, DIN, ISO, IEC i VDE standardima, te su ispitivanja i pregledi koji se u njima navode izvršeni. Utvrđeno je da su proizvodi ispravni, te su otpušteni za isporuku. Rezultati izvršenih ispitivanja na našim proizvodima potvrđuju da gore navedeni proizvod ispunjava specifikaciju narudžbe. Podaci navedeni na natpisnoj pločici su unutar tolerancijskih odstupanja prema normi DIN 24166 klasa 3. Oprema kojim su provedene kontrole i ispitivanja je kalibrirana i valjano umjerena.

**VENTILATORI BRODSKE IZVEDBE** koji u tipnoj oznaci imaju dodatno slovo **B (VAAZ B ili VARSK B)** su projektirani i konstruirani prema važećim normama i propisima klasifikacijskih društava za brodsku izvedbu, te imaju tipna odobrenja od HRB, RS i BV. Ovisno o upitu naši elektromotori mogu biti certificirani prema zahtjevima sljedećih klasifikacijskih društava:

**Antisparking fans VAAZ T.. 225-1600 and VARSK T..160-1120** are made in accordance with **ATEX Directives 2014/34/EU (94/9/EC)** and harmonised standards: **EN 80079-36:2016 and EN 80079-37:2016**, **EN 14986:2017**, **EN 60079-0:2018**, **EN 60079-1:2014**, **EN 60079-7:2015/A1:2018** and **EN 60079-31:2014** and confirmed by Type Examination Certificates (FIDI 20 ATEX 0009, EXA 13 ATEX 0049 i EXA 13 ATEX 0048) and Product Quality Assurance Notification CESI 04 ATEX 084Q issued by CESI – notified body n. 0722. The fans are made in accordance with the applicable safety requirements of the relevant industrial standards: ISO 5801, ISO 12499, ISO 14694, EN 13857, EN 50216-12, EN 60034-1, EN 60204-1, EN 60529, EN 61000-6-2, EN 61000-6-4, EN 12100-1 i EN 12100-2. For every units we issue with product individually Declaration of conformity And Operation and Maintenance instructions. **EMC Directive 2014/30/EU (2004/108/EC)**, regarding the intrinsic characteristics to emission and immunity levels, are in conformity with EN 60034-1 (for THREE PHASE LOW VOLTAGE SQUIRREL CAGE INDUCTION MOTORS). Proof of compliance: Evaluation Report 21580EMC150049 (KONČAR-IET). **Low Voltage Directive 2014/35/EU** -This certificate of conformity is according to module A: Internal production control. Fan equipment can be used within installations which themselves meet the requirements of the **Machinery Directive MC 2006/42/EC**. **ErP 2009/125/EC Directive**-This certificate of conformity is according 2009/125/EC Directive and Commission Regulation (EU) No. 327/2011 that requires high efficiency ratings for fans. **Directive 2011/65/EU** - on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast), including 2015/863/EU.

**PRODUCT QUALITY ASSURANCE NUMBER CESI 04 ATEX 084 Q, (CESI n.0722)**

**Overview of Capital Importance Examinations:**  
This statement refers on product that is manufactured and tested in compliance with "KONČAR - MES" Company Prescriptions. The results fulfill the requirements and are documented in test reports. The test results are the basis for this Declaration of product conformity. The tested items are labeled for purpose of traceability and can thus be assigned to this certificate. We hereby confirm that the parts have been manufactured according to the shop drawings and of first class material in accordance with EN, DIN, ISO, IEC and VDE Standards and the tests and inspections laid down there have been carried out. The product was found to be in order and was released for dispatch. The results of the tests performed on our delivery items confirm that the above-listed parts comply with the order specifications. All data stated on name plate of this product are within range of allowance stated in regulations DIN 24166 class 3. The equipment with which controls and testing was carried out is calibrated and duly verified.

**FANS with MARINE DESIGN** which contain in their type marking an additional letter **B (VAAZ B or VARSK B)** are designed and constructed according to applicable norms and regulations of these classification societies for Marine application and have type approvals from HRB, RS and BV. On request our electric motors can be certified according to the requirements of the following classification societies:

**HRB/CRS - BV - DNV-GL - LR - RINA - RS - RRR - CCS - KR - ABS - IR - NKK**

Dokumenti-zapisi o provedenim pregledima, provjerama, kontrolama i ispitivanjima pohranjeni su uz kopiju ove Izjave. Proizvod je namijenjen za ugradnju te mora biti instaliran sukladno našim uputama i upozorenjima o sigurnosti i ne smije biti pušten u pogon prije nego je potvrđena njegova skladnost sa zahtjevima iz Zakona i Pravilnika koji se na njega odnose. Upute za montažu, uporabu i održavanje, dostavljeni uz ventilacijski uređaj, sastavni su dio tehničke dokumentacije te je njihova primjena obvezatna.

Documents and records about preformed oversights, controls and tests are stored with a copy of this declaration. This product is intended for assembly so it has to be installed according to our installation manual with all safety instructions applied and it is not allowed to commission before stating conformity with demands from all regulations and recommendations applicable. Installation, user and maintenance manual is delivered with ventilation device are constituent part of technical documentation so that their application is obligatory.

Osiguranje kvalitete/ Quality assurance MP/ WS Potpis/ Signature: