

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATEBr /No **03-001189/030857**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.

This is to certify that this product on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

TIP I OPIS PROIZVODA:

TYPE AND DESCRIPTION OF PRODUCT:

TROFAZNI ASINKRONI KAVEZNI MOTORI BRODSKE ZATVORENE IZVEDBE 5 ABT 71-112
SHIP'S USE THREE-PHASE ASYNCHRONOUS CAGE MOTORS CLOSED CONSTRUCTION**U PROTUEKSPLOZIVNOJ ZAŠTITI OZNAKE:**
IN EXPLOSION PROTECTION MARKING:

| | |
|---------------|--|
| II 2G | EEx de IIC T4 (T3) ili/or |
| | EEx d IIC T4 (T3) |
| II 2GD | EEx de IIC T4 IP66 T 135°C ili/or |
| | EEx d IIC T4 IP66 T 135°C |

PROIZVOĐAČ:
MANUFACTURER:**KONČAR-MES d.d.**

Fallerovo šetaliste 22

10000 ZAGREB HRVATSKA - CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:**Hrvatski registar brodova:**

Croatian Register of Shipping:

Pravila za klasifikaciju brodova, Dio 12.

Rules for the classification of ships, Part 12.

IEC60034-1, IEC 60034-7, EN 50014, EN 50018, EN50019, EN 50281-1-1**PODRUČJE PRIMJENE/POSEBNI GRANIČNI UVJETI:**
FIELD OF APPLICATION/SPECIAL OPERATIONAL LIMITS:**Napon/voltage: 220 V do/to 750 V****Frekvencija/frequency: za/for 4,6 i/and 8-polni/pole do/to 100 Hz i/and 2-polni/pole do/to 60 Hz****Temperatura okoline/ambient temperature: -20°C do/to +40°C, +50°C i/and +60°C****Sinkrona brzina/synchronous revolutions: 750 do/to 3500 o/min/rpm****Broj polova/number of poles: jednobrzinski i višebrrzinski/onespeed and multispeed****Vrsta pogona/duty type: S1-S10 prema normi/according to standard IEC****Klasa izolacije/insulation class: F ili/or H****Zagrijavanje namota/temperature rise of windings: do/to 90°K****Reda snage za vrstu pogona S1/Rated power for duty type S1: do/to 4,5 kW****Stupanj mehaničke zaštite/Degree of mechanical protection: IP 55, IP 65, IP 56, IP 66****ODOBRENJE VRIJEDI DO: 2014-03-13**
APPROVAL IS VALID UNTIL:**UZ UVJETE NAVEDENE NA POLEDINI**
SUBJECT TO CONDITION OVERLEAF**Mjesto i datum: Split, 2010-03-25**
Place and date:**M.P.**
(Seal)

Goran Begović, dipl.ing.

Odobrenje je valjano ako je ovaj proizvod izveden prema slijedećoj dokumentaciji:
The approval is valid if this product is manufactured in accordance with the following documentation:

A69192, A69192-S, A69192-11, A69192-12, A69192-13, A69192-14, A69192-15, A69192-2, A69192-3, A69192-41, A 69192-42, A69192-5, A67850

Odobreni: 2006-03-10
Approved:

Izveštaj o ispitivanju: "KONČAR" - INSTITUT 21572-05/624 EI
Test report: "KONČAR" - MES A15490 A/A688998

Certifikati o sukladnosti Ex-Agencije za veličine:
Certificates of conformity Ex-Agencija for sizes:

| | | |
|------------------|----------------|-----------------------|
| 5 ABT 71 | br./no. | HR Ex T05.005x |
| 5 ABT 80 | br./no. | HR Ex T05.006x |
| 5 ABT 90 | br./no. | HR Ex T05.007x |
| 5 ABT 100 | br./no. | HR Ex T05.008x |
| 5 ABT 112 | br./no. | HR Ex T05.009x |

Ovo odobrenje ne isključuje zahtjev za nadzorom tijekom izradbe proizvoda kod proizvođača, u skladu s gore navedenim Pravilima.
This approval does not eliminate the need for inspection during manufacturing of the product into manufacturers shop in compliance with a.m. Rules.

Raščlana

12.01.02

Zamjenjuje potvrdu

03-000989/030623