

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATEBr /No **02-002181/024049**

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:

PS 35-32 do PS 35-1600
to**ISPUŠNI LONAC-ISKROHVATAČ**
EXHAUST UPTAKE-SPARK ARRESTERPROIZVOĐAČ:
MANUFACTURER:**“KOMET” d.o.o.**
Kalmana Mesarića 26

40323 PRELOG • HRVATSKA - CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

- **Standard 5100-1a, travanj/April 1970 U.S. Department of Agriculture, Forest Service;**
- **SAE J 335b travanj/April 1977;**
- **SAE J 342, studeni/November 1980;**
- **SAE J 350, siječanj/January 1980;**
- **SAE J 997, siječanj/January 1980.**

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEDINI.

FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: **2021-01-24**

APPROVAL IS VALID UNTIL:

Mjesto i datum: **Split, 2017-01-13**

Place and date:

M.P.
(Seal)

Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

PODROBNJI OPIS PROIZVODA:
DETAILED PRODUCT DESCRIPTION:

Iskrohvatač s prigušivačem zvuka radi na principu centrifugalnog izdvajanja čestica.
Spark arrester with silencer works on principle of centrifugal particle separation.

PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:
APPLICATION / LIMITATIONS:

- **Ispušni lonac-iskrohvatač namijenjen je za ugradnju na porivne i pomoćne motore s unutrašnjim izgaranjem kao i za kotlove ložene tekućim gorivom.**
The Exhaust Uptake-Spark Arrester has been designed for exhaust gas pipes of propulsion and auxiliary internal combustion engines and for boilers heated with fuel oil.
 - **Pad tlaka ispušnih plinova Δp (Pa) u zavisnosti od brzine na ulazu u ispušni lonac-iskrohvatač w (m/s) i temperature ispušnih plinova T_p (K) iznosi:**
Pressure drop of exhaust gas Δp (Pa) in dependence of the velocity on inlet of the Exhaust Uptake-Spark Arrester w (m/s) and the temperature of the exhaust gas T_p (K) is:
- $$\Delta p = \frac{w^2}{T_p} (0,2276w^2 - 19,42w + 734,8)$$
- **Postotak izdvajanja i zadržavanja čestica ugljika iz ispušnih plinova udovoljava traženju:**
 - **SAE J 342 studeni 1980;**
 - **Standarda 5100-1a, travanj 1970, U.S. Department of Agriculture, Forest Service, te u području optimalne brzine na ulazu u ispušni lonac-iskrohvatač $w= 31$ m/s iznosi $\mu_{iopt}=98,7\%$ s poljem tolerancije +1%, - 2%.**
 - **Ispušni lonac-iskrohvatač može biti ugrađen u horizontalnom položaju, vertikalnom položaju s tokom ispušnih plinova od donjeg kraja prema gore i u svakom položaju između horizontalnog i vertikalnog.**
 - *Carbon particle retention efficiency is in accordance with:*
 - *SAE J 342 November 1980;*
 - *Standard 5100-1a, April 1970, U.S. Department of Agriculture, Forest Service and in the range of optimum velocity on inlet of Exhaust Uptake-Spark Arrester $w= 31$ m/s is $\mu_{iopt}=98,7\%$ with tolerance +1%, - 2%.*
 - *The Exhaust Uptake-Spark Arrester can be installed in exhaust pipe in horizontal position, in vertical position with exhaust gas stream from down side to up side and in all position from horizontal to vertical.*

DOKUMENTACIJA ZA TIPNO ODOBRENJE:
TYPE APPROVAL DOCUMENTATION:

Za For	Sastavnica Part list	Za For	Sastavnica Part list
PS 35-32	11288	PS 35-550	11303
PS 35-40	11289	PS 35-600	11304
PS 35-50	11290	PS 35-650	11305
PS 35-65	11291	PS 35-700	11306
PS 35-80	11292	PS 35-750	11307
PS 35-100	11293	PS 35-800	11308
PS 35-125	11294	PS 35-850	11309
PS 35-150	11295	PS 35-900	11310
PS 35-175	11296	PS 35-950	11311
PS 35-200	11287	PS 35-1000	11312
PS 35-250	11297	PS 35-1100	11313
PS 35-300	11298	PS 35-1200	11314
PS 35-350	11299	PS 35-1300	11315
PS 35-400	11300	PS 35-1400	11316
PS 35-450	11301	PS 35-1500	11317
PS 35-500	11302	PS 35-1600	11318

Nacrt broj 11287
Drawing No 11287

OZNAČAVANJE PROIZVODA:
MARKING OF PRODUCT:

- **oznaka proizvođača** - *manufacturer's mark*
- **tip** - *type*
- **serijski broj** - *serial No.*

UVJETI ZA CERTIFIKACIJU:
CONDITIONS FOR CERTIFICATION:

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