

#### **Uitgangssituatie.**

Nationaal Parachutistencentrum Teuge (NPCT) opereert twee parachutisten-vliegtuigen van het type C208. Een derde vliegtuig is in gezamenlijk gebruik met Skydive Hoogeveen.

Het aankomende luchthavenbesluit geeft aan dat, indien in de huidige geluidscategorie 4 gevlogen blijft worden, vier weekend-dagdelen per maand de para-vliegtuigen niet mogen worden ingezet.

#### **Toekomst.**

Door de vliegtuigen uit te rusten met 5 blad propellers kan worden bereikt dat de vliegtuigen van NPCT in een geluidsarmere categorie, t.w. categorie 5, worden ingedeeld. Dit heeft als gevolg dat de vliegtuigen geen inzet-beperkingen ondervinden zoals het aankomende luchthavenbesluit aangeeft.

Vooruitlopend op de inwerkingtreding heeft NPCT gemeend -mede ingegeven door levertijden- in een vroeg stadium alvast één propeller te bestellen. Deze is inmiddels afgeleverd en gereed voor montage en afstelling. Gezien de financiële investering en risico wat NPCT momenteel draagt is gekozen de bestelling en montage van de volgende propeller pas te doen nadat er een definitieve datum voor de inwerkingtreding van het nieuwe luchthavenbesluit is gepubliceerd.

#### **Projectverloop.**

Zodra het nieuwe luchthavenbesluit definitief is zal worden aangevangen met de demontage van de huidige propeller en de montage en afstelling van de nieuwe 5-blad propeller. Naar verwachting neemt dit twee weken in beslag en worden uitgevoerd komende winter '22-'23.

Tegelijkertijd zal de volgende propeller worden besteld. De te verwachten levertijd na bestelling is ca. 6 maanden. Werkzaamheden aan het tweede vliegtuig kunnen worden ingepland en kort na aflevering van deze propeller worden aangevangen. Zodra de bestelling van deze propeller is gedaan zal NPCT direct ontheffing van het luchthavenbesluit aanvragen

vanaf het moment dat dit van kracht is en de tweede 5 blad-propeller nog niet is geleverd en gemonteerd.

**Kosten.**

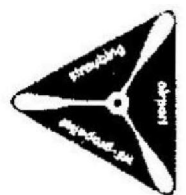
De kosten zijn in een aparte bijlage gespecificeerd. Tevens als bijlage een (door NPCT betaalde) rekening van de eerste propeller.

# Onderbouwing kosten propellers.

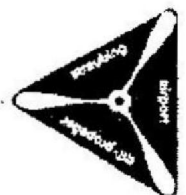
De aanschafkosten van een 5-blad propeller voor de C208, teneinde dit vliegtuig in een geluidsarmere klasse (kl 5) te krijgen is als volgt opgebouwd:

5 blad Propeller	€
Transport	€
Demontage oude propeller en onderdelen (ca. 5.1.2f )	€
Montage nieuwe propeller, onderdelen, balanceren,	5.1.2f
proefdraaien (ca. 5.1.2f )	€
proefvlucht(en) (ca. 5.1.2f )	€
<b>Totaal</b>	<b>€ 52500</b>

Genoemde bedragen exclusief BTW en prijzen gebaseerd op bestelling februari 2022.



# mt-propeller



## Q F J - Propeller for the Cessna 208, 208B - Quiet Fan Jet Propeller Series -

Flyer No.: FL-083  
February 07, 2022

Type of Aircraft: Cessna 208 series  
FAA STC: SA03850NY  
EASA STC: 10054488  
Aircraft TCDS : EASA.IM.A.226  
FAA Prop TCDS: P22BO  
EASA Prop TCDS: P.104



### Applicable Aircrafts

Cessna 208, 208B

### Engines

Honeywell TPE331-12JR Engine

### STC Kit Contents

One 5-Blade reversing and full feathering Constant Speed Propeller  
One Full Composite Spinner (AFRP)  
One Airplane Flight Manual Supplement  
One Installation Instruction  
One Instruction For Continued Airworthiness  
One Operation and Installation Manual

MTV-27-1-E-C-F-R(G)/CFRL270-66  
P-1381  
Doc. No. E-2667  
Doc. No. E-2668  
Doc. No. E-2669  
ATA 61-06-10 (E-610)

### Propeller Specifications

Full Propeller Designation  
Propeller Hub

Blade  
Blade Design  
Propeller De-Ice  
Weight of one installed propeller

Diameter  
TBO

MTV-27-1-E-C-F-R(G)/CFRL270-66  
MTV-27-1-E-C-F-R(G)  
Milled single-piece aluminum hub  
CFRL270-66  
Scimitar, light-weight natural composite  
Electro-thermal de-ice boots  
79.0 kg (174,2 lbs) propeller with de-ice and spinner assembly)  
270 cm (106.3 in)  
According to SB 1 ( ) latest issue

### Replaces

Replaces original Hartzell propeller!

### Advantages

- Best vibration damping characteristics for almost vibration free propeller operations!
- Bonded on nickel alloy leading edge for superior erosion protection of the blades!
- Unlimited blade life!
- 60 % vibration reduction on aircraft fuselage!
- Approximately 14 kg (31 lbs) less weight than the original propeller!
- Ground roll reduced by 10% approximately 50 m (164 ft)!
- Climb improved by 5-8%!
- Significant inside and outside noise reductions!
- Increased ground clearance for less blade tip erosion!
- Unbeatable esthetic ramp appeal!
- All models comply with the strict German noise regulations 2010- „Landeplatz Lärmschutz Verordnung“ for unrestricted airport operations in Germany and other European Countries!

MT-Propeller Entwicklung GmbH  
Flugplatzstr. 1  
94348 Atting / Germany

Phone: +49 (0) 9429 9409 0  
Fax: +49 (0) 9429 8432  
sales@mt-propeller.com

MT-Propeller USA, Inc.  
1180 Airport Terminal Drive  
DeLand, Florida 32724

Phone: (386) 736-7762  
Fax: (386) 736-7696  
info@mt-propellerusa.com  
January 16, 2017

Certification # EASA.21J.020, DE.21G.0008

**www.mt-propeller.com**

Certified FAA Repair Station No. Q4MR908Y

0000000913



n.v. luchthaven **teuge**  
LANDINGSGELDEN

## TARIEVEN PER 1 JANUARI 2019

		kg	t/m 1.500	1.501 - 2.000	2.001 - 3.000	3.001 - 4.000	4.001 - 5.000	5.001 - 6.000
<b>A OVERLANDVLUCHT</b>	excl. btw		€ 18,39	€ 36,78	€ 55,21	€ 73,60	€ 91,98	€ 110,37
	incl. btw		€ 22,25	€ 44,50	€ 66,80	€ 89,05	€ 111,30	€ 133,55
<b>B TERREINVLUCHT</b>	excl. btw		€ 8,76	€ 17,52	€ 26,28	€ 35,04	€ 43,80	€ 52,60
	incl. btw		€ 10,60	€ 21,20	€ 31,80	€ 42,40	€ 53,00	€ 63,65
<b>C ZWEEFSLEPEN</b>							excl. btw	incl. btw
motorsleepvliegtuig tot MTOM 1.500 kg, met een zweefvliegtuig						per start	€ 6,45	€ 7,80
toeslag bij motorsleepvliegtuig > 1.500 kg MTOM						per start	€ 6,45	€ 7,80
<b>D TOESLAGEN</b>								
Geluid toeslagen en reducties							per landing	
							excl. btw	incl. btw
Cat.	Hst.6 dB(A)	Hst.10 dB (A)						
1 tm 2	75 tm >78	79,6 tm >82,3				toeslag	€ 5,25	€ 6,35
3 tm 4	69 tm 75	74,2 tm 79,6				toeslag	€ 2,31	€ 2,80
5 tm 6	63 tm 69	68,9 tm 74,2					€ -	€ -
7 tm 8	<60 tm 63	<66,2 tm 68,9				korting	€ 1,69	€ 2,05
<u>Reclamesleepvlucht</u>		elke oppik en afgooi					excl. btw	incl. btw
							€ 12,48	€ 15,10
<u>Paravluichten</u>		a. vliegtuig, dat max. 6 pers. kan vervoeren, in totaal					€ 6,20	€ 7,50
		b. vliegtuig, dat meer dan 6 pers. kan vervoeren, p.p					€ 0,91	€ 1,10
<u>Opstijgen vrije ballon</u>		per opstijging					€ 29,50	€ 35,70
<u>Hoveren met hefschroefvliegtuig</u>		per half uur of een gedeelte daarvan					€ 29,50	€ 35,70
<u>Toeslagen april t/m september</u>								
a	landingen na 19.00u Lt						€ 4,30	€ 5,20
B	landingen in het weekend						€ 5,87	€ 7,10
<b>E DAGTARIEF ZWEEFVLIEGTUIG</b>							€ 13,02	€ 15,75
overige tarieven zweefvliegen zijn op aanvraag beschikbaar								
<b>F VROEGE / LATE OPENSTELLING</b>							€ 29,50	€ 35,70
per kwartier of een gedeelte daarvan (geldt per vliegtuig)								
<b>G GEBRUIK BAANVERLICHTING</b>								
per start of landing							€ 27,56	€ 33,35
<b>H PARKEERTARIEVEN</b>								
PER NACHT								
eenmotorig							€ 17,56	€ 21,25
tweemotorig							€ 52,77	€ 63,85
zweefvliegtuig							€ 7,69	€ 9,30

← huidige prop.  
← 5-blad prop.



mt propeller Entwicklung GmbH  
Airport Straubing-Wallmühle  
94348 Atting.  
Germany  
EASA DE.21G.0008, EASA.21J.020  
Tel: 09429-9409-0 Fax: 09429-8432  
mail: sales@mt-propeller.com  
web: www.mt-propeller.com

Page 1 of 2

MT-Propeller Entwicklung GmbH, Propellerfabrik 94348 Atting.

Nationaal Paracentrum Teuge BV  
De Zand 11d  
7395 PA Teuge  
Niederlande

Ship-To-Party:

Nationaal Paracentrum Teuge BV  
De Zand 11d  
7395 PA Teuge  
Niederlande

### Acknowledgement:

Document Number 2010029621  
Document Date 09.02.2022  
Customer No. 229132  
Customer VAT Reg. NL851667454B01  
Telephone  
Fax  
Contact Partner [REDACTED]  
[REDACTED]@hotmail.com  
Shipment Type 01 Truck  
P/O No. e-mail  
P/O Date 18.09.2021  
Gross Weight 82,300 KG  
Net Weight 82,300 KG

### Header:

Delivery Date 13.05.2022  
Terms of payment 50% down, bal. prior shipping  
Terms of Delivery FH (Free house) Teuge  
5.1.2f on Sept. 24, 2021  
Prepayment must be received to start production.  
Delivery time means earliest possible and could be changed !  
Title of products will remain in seller until payment in full is made by purchaser.  
We refer to our General Terms and Conditions of Sale attached.  
Order was handled by Mr. Eric Greindl.

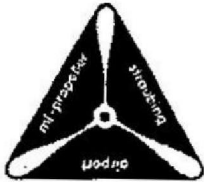
Item	Material/Description	Quantity	Price	Price Unit	Amount
10	200733 MTV-27-1-E-C-F-R(G)/CFRL270-66 5-bladed hydraulic constant speed propeller (left hand turning) with feathering and reverse for aircraft, new Propeller has Nickel Leading Edges Price is not in exchange to the old propeller system  Aircraft: Cessna 208B Supervan 900 Engine: TPE 331-12JR Color: flat black with white tips	5.1.2f PC	5.1.2f EUR	5.1.2f PC	5.1.2f EUR
11	X12 Additional Charges missing core fee	PC	EUR	PC	EUR
20	P-1381-A (L3) Spinner Assembly Color: dull black	5.1.2f PC	5.1.2f EUR	5.1.2f PC	5.1.2f EUR
30	P-1040-4-A	PC	EUR	PC	EUR

VAT-Nr.: DE 811 947 162  
Sitz der Gesellschaft: 94348 Atting  
Handelsregister: Straubing B 9401  
Geschäftsführer: Gerd Mühlbauer, Michael Mühlbauer  
Martin Albracht, Eric Greindl

Unternehmens-BLNr.: 162/11600253  
Banken: Commerzbank Straubing (BLZ 708 600 00) Konto 8031 864 00  
Hypo Vereinsbank Straubing (BLZ 742 200 75) Konto 2575 722  
Hypo Vereinsbank Straubing-USA  
Volksbank Straubing eG (BLZ 742 900 00) Konto 800 377  
Raiffeisenbank Straubing eG (BLZ 742 601 10) Konto 550 568 8

IBAN DE34 7008 0000 0803 1964 00; SWIFT (BIC): DRES DE 33 700  
IBAN DE20 7422 0075 0002 6757 22; SWIFT (BIC): HYVE DE 33 432  
IBAN DE71 7002 0270 0877 8333 50; SWIFT (BIC): HYVE DE 33 XXX  
IBAN DE22 7429 0000 0000 6063 77; SWIFT (BIC): GENO DE 31 SR1  
IBAN DE44 7426 0110 0005 5056 66; SWIFT (BIC): GENO DE 31 SR2

0000000915



mt propeller Entwicklung GmbH  
 Airport Straubing-Wallmühle  
 94348 Atting  
 Germany  
 EASA DE.21G.0008, EASA.21J.020  
 Tel: 09429-9409-0 Fax: 09429-8432  
 mail: sales@mt-propeller.com  
 web: www.mt-propeller.com

2010029621 Page 2 of 2

Item	Material/Description	Quantity	Price	Price Unit	Amount
	Slip Ring Assy				
40	P-1166-6 (MTV27R) Delce-Kit MTV-27	PC 5.1.2f	EUR 5.1.2f	1 PC	EUR 5.1.2f
50	X7 Shipping Charges	PC	EUR	1 PC	EUR
	Output Tax	0,00 %			0,00 EUR
	<b>Final amount:</b>				<b>48.785,00 EUR</b>

NETTORECHNUNG wegen innergemeinschaftlicher Lieferung.  
 Rechnungsempfänger übernimmt Umsatzbesteuerung. Innergemeinschaftliche  
 Lieferung: umsatzsteuerfrei gem. §6a UStG.

**REM** Please check all information of the acknowledgement, sign it and fax it back to us.  
 Thank you in advance.

VAT-Nr.: DE 811 947 162  
 Sitz der Gesellschaft: 94348 Atting  
 Handelsregister: Straubing G 9401  
 Geschäftsführer: Gerd Mühlbauer, Michael Mühlbauer  
 Martin Albrecht, Eric Greindl

Unternehmens-Nr.: 152/116700253  
 Banken: Commerzbank Straubing (BLZ 700 800 00) Konto 8031 954 00  
 Hypo Vereinsbank Straubing (BLZ 742 200 75) Konto 2675 722  
 Hypo Vereinsbank Straubing-USA  
 Volksbank Straubing eG (BLZ 742 900 00) Konto 600 377  
 Raiffeisenbank Straubing eG (BLZ 742 601 10) Konto 550 566 6

IBAN DE34 7008 0000 0803 1564 00 SWIFT (BIC): DRES DE FF 700  
 IBAN DE30 7422 0075 0002 6757 22 SWIFT (BIC): HYVE DE MM 452  
 IBAN DE71 7002 0270 0877 9333 50 SWIFT (BIC): HYVE DE MM XXX  
 IBAN DE22 7429 0000 0000 6003 77 SWIFT (BIC): GENQ DE F1 SR1  
 IBAN DE44 7426 0110 0005 5056 66 SWIFT (BIC): GENQ DE F1 SR2

0000000916



Inspectie Verkeer en Waterstaat

# CERTIFICATE OF REGISTRATION

Transport and Water Management Inspectorate  
Civil Aviation Authority Netherlands

Correspondence address:  
P.O. Box 575, 2130 AN Hoofddorp, The Netherlands

Registration number: 7438  
ICAO aircraft designator: C208

1. Nationality and registration marks:

PH - SWP

2. Manufacturer and manufacturer's designation of aircraft:

Cessna Aircraft Company 208B

3. Aircraft serial number:

208B1124

4, 5. Name and address of owner / holder:

Stichting Nationaal Parachutisten Centrum Teuge  
De Zanden 11 D  
7395 PA TEUGE

6. It is hereby certified that the above described aircraft has been duly entered on the register of Netherlands civil aircraft in accordance with the Convention on International Civil Aviation dated 7 December 1944, and with the Netherlands Aviation Act.

Date of issue: 04 June 2009

Signature:

The minister of transport, public works and water  
management,  
On behalf,  
Head of the Netherlands civil aircraft register.

P. de Geus

Limitations / Remarks:

The validity of this Certificate of Registration is UNLIMITED, unless revoked.

This document shall be carried on board during all flights.

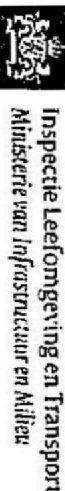
Document Number: 267816



1. Human Environment and Transport Inspectorate  
Civil Aviation Authority Netherlands

Correspondence address:  
P.O. Box 575, 2130 AN Hoofddorp, The Netherlands

Registration number: 7438  
ICAO aircraft designator: C208



Inspectie Leefomgeving en Transport  
Ministerie van Infrastructuur en Milieu

## 2. NOISE CERTIFICATE

4. Nat. & registration marks:

**P H - S W P**

5. Manufacturer and manufacturer's designation of aircraft:

Cessna Aircraft Company 208B

6. Aircraft serial number:

208B1124

7. Engine(s): TPE331-12JR (AlliedSign);

8. Propeller(s): Hartzell HC-B4TN-5QL/LT10891N(K)

9. Maximum Take-Off Mass: 4110 kg

10. Maximum Landing Mass: N/A

11. Noise Standard: ICAO Annex 16, Chapter 10  
Section 10.4.b

12. Additional modifications incorporated for the purpose of compliance with the applicable noise certification standards:

13. Lateral / Full-Power  
Noise Level: N/A

14. Approach Noise Level:  
N/A

15. Flyover Noise Level:  
N/A

16. Overflight Noise Level:  
N/A

17. Take-Off Noise Level:  
76 dB(A)

Remarks:

18. This document is issued pursuant to Annex 16, Volume I to the Convention on International Civil Aviation dated Dec. 7, 1944 and Regulation (EC) No 216/2008, article 6 in respect of the above-mentioned aircraft, which is considered to comply with the indicated noise standard when maintained and operated in accordance with the relevant requirements and operating limitations.

20. Signature:  
The State Secretary for Infrastructure and the Environment,  
On behalf,  
The inspector Civil Aviation Netherlands,

D.J. de Lange

19. Date of issue: 11 April 2014

EASA Form 45

This document shall be carried on board during all flights.

3. Document Number: 293179

0000000918



Human Environment and Transport  
Inspectorate  
Ministry of Infrastructure  
and Water Management

Human Environment and Transport Inspectorate  
Civil Aviation Authority the Netherlands

Correspondence address:  
P.O. Box 16191, 2500 BD The Hague, The Netherlands

ICAO aircraft designator: C208  
ICAO 24 bits address (hex): 48648A

## CERTIFICATE OF REGISTRATION

1. Nat. & registration marks:	2. Manufacturer and manufacturer's designation of aircraft:	3. Aircraft serial number:
<b>PH-SPT</b>	Cessna Aircraft Company 208B	208B-1219

4, 5: Name and address of holder/owner:  
Stichting Nationaal Parachutisten Centrum Teuge  
De Zanden 11 D  
7395 PA TEUGE  
THE NETHERLANDS

6. It is hereby certified that the above described aircraft has been duly entered on the register of Netherlands civil aircraft in accordance with the Convention on International Civil Aviation dated 7 December 1944, and with the Netherlands Aviation Act.

Date of issue: 18 February 2022

Signature:  
THE MINISTER OF INFRASTRUCTURE AND WATER  
MANAGEMENT,

**Limitations / Remarks:**

This document replaces the original document since compliance with all requirements has been demonstrated.

D.J. (Dirk-Jan) de Lange  
Aircraft registration officer

The validity of this certificate of registration is UNLIMITED, unless revoked.

This certificate shall be carried on board during all flights.

Document Number: PH-SPT.18.02.2022.REG/2

0000000919



Human Environment and Transport  
Inspectorate  
Ministry of Infrastructure  
and Water Management

1. Human Environment and Transport Inspectorate  
Civil Aviation Authority Netherlands

Correspondence address:  
P.O. Box 16191, 2500 BD The Hague, The Netherlands

ICAO aircraft designator: C208  
ICAO 24 bits address (hex): 48648A

## 2. TEMPORARY NOISE STATEMENT

4. Nat. & registration marks: <b>PH-SPT</b>	5. Manufacturer and manufacturer's designation of aircraft: Cessna Aircraft Company 208B	6. Aircraft serial number: 208B-1219		
7. Engine(s): Allied-Signal Aerospace, Inc. TPE331-12JR	8. Propeller(s): Hartzell HC-E4N-5KCL/JE10991			
9. Maximum take-off mass (kg): 4.110	10. Maximum landing mass (kg): N/A	11. Noise certification ICAO Annex 16, Vol. 1, Chapter 10 (10.4b)		
12. Additional modifications incorporated for the purpose of compliance with the applicable noise certification standards:				
13. Lateral / Full-Power Noise Level: N/A	14. Approach Noise Level: N/A	15. Flyover Noise Level: N/A	16. Overflight Noise Level: N/A	17. Take-Off Noise Level: 76,1 dB(A)

**Remarks:**

This document is issued pending EASA-validation of this configuration. The mentioned noise level is based upon EASA noise record C13414.  
This document is valid upto and including 13 October 2022.

18. This document is issued pursuant to Annex 16, Volume I to the Convention on International Civil Aviation dated Dec. 7, 1944 and Regulation (EC) No 216/2008, article 6 in respect of the above-mentioned aircraft, which is considered to comply with the indicated noise standard when maintained and operated in accordance with the relevant requirements and operating limitations.

19. Date of issue: 14 April 2022

20. Signature:

THE MINISTER OF INFRASTRUCTURE AND WATER  
MANAGEMENT,  
On behalf,



D.J. (Dirk-Jan) de Lange

This certificate shall be carried on board during all flights.

3. Document Number: PH-SPT.14.04.2022.NS.EU/1

Although EASA rules apply for this aircraft this document is not an EASA Form 45, but a document issued under national regulations.