

ANNEXE 1 - BIJLAGE 1 - ANNEX 1

FORMULAIRE DE REFERENCE - REFERENTIEFORMULIER - DATA SHEET

AUTORISATION DE TYPE - TYPETOELATING (*)	
2009 / 155	ISSUE 2 / 18-12-2012



(*) Reserved for the Belgian Civil Aviation Authority

IDENTIFICATION OF THE AIRCRAFT: (**)

MAKE: JMB Aircraft

MODEL: VL3-A (P)

3-axis /
2-seater

For weight shifted aircraft:

Trike: Make:
Wing: Make:

Model:
Model:

(2) MANUFACTURER:

Name: JMB Aircraft s.r.o
Address: Nádrazni 635, 56501 Chocen , Czech Republic

Tel.: +420 725182459
E-mail: jbg@jmbaircraft.com

Fax:
Website: www.jmbaircraft.com

(3) APPLICANT:

Name: JMB sprl
Address: Amougies Airport - 7750 Amougies

Tel.: +32 69 455530
E-mail: jbg@jmbaviation.com

Fax: +32 69 455866
Website: www.jmbaviation.com

(4) DIMENSIONS / WEIGHTS / PERFORMANCES OF BASIC STANDARD AIRCRAFT:

- (a) Wing Area (incl. canard area, excluding winglets): 9,8 m²
- (b) Wing Span: 8,44 m
- (c) Wing Standard Mean Chord: 1,236
- (d) Standard Empty Weight (see note 1 of annex 3): 281,30 kg
For weight shifted aircraft, specify also - weight trike:
- weight wing:
- (e) Max. Take-Off Weight: 472.50kg with Galaxy Rescue System GRS6 473 SD 96 m²
- (f) Wing Loading (Max. Weight / Wing Area): 48.21 kg/m²
- (g) For 3-axis aircraft: - Centre of Gravity (CG) Limits: 21 - 35% MAC (260mm-433mm)
- Datum: main landing gear
- (h) Standard Fuel Capacity: 2 x 30 l
- (i) Performance at MTOW: - Best Rate of Climb: 6 m/s @130km/h IAS
- Take-Off Distance (see note 3 of annex 3): 290 m
- Landing Distance (see note 4 of annex 3): 270 m
- Stall Speed V_{SO} (CAS) (see note 2 of annex 3): 55 km/h IAS
- Cruise Speed V_C (CAS): 230 km/h IAS
- Never Exceed Speed V_{NE} (CAS): 305 km/h IAS

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(5) POWER PLANT:

(a) Engine:

(see notes 5 and 6 of annex 3)

Make: Bombardier Rotax

Model: 912 ULS FR

Reduction Gear (type and ratio):2.43

Intake System: Rotax

Exhaust System: JMB Aircraft

Weight: 56,60 kg

Max. Power: 73,5KW at 5800 RPM

Max. Static RPM: 5800

Power available at max. permissible RPM: 69 KW at 5500 RPM

Max. CHT: 135°C

Fuel Specifications: DIN 51600 önorm c403, DIN 51607 önorm 1100, AVGAS 100LL

Engine Oil Specifications: SAE SW40, SW30, 10W40, 15W40, 15W50, 20W40, 20W50

Gearbox Oil Specifications: SAE SW40, SW30, 10W40, 15W40, 15W50, 20W40, 20W50

Fuel / Oil Mix.:-----

Max. Oil Press.: 7 Bar

Min. Oil Press.: 0.8 Bar

Max. Oil Temp.: 140°C

(b) Propeller:

Make	Pezske				
Model	AS1700/1950				
Number of blades	3				
Diameter	1700 mm				
Pitch	28°@30 cm of end				
Weight	3550 gr				

(6) CONTROL DEFLECTIONS (3-AXIS SYSTEMS):

Elevator:	Up: 25°+/- 1°	Down: 20°+/-1°
Ailerons:	Up: 28°+/-1°	Down: 17°+/-1°
Rudder:	Left: 30°+/-1°	Right: 30°+/-1°
Steering:	Left: 30°+/-1°	Right: 30°+/-1°
Flaps:	Maximum DN: 15°+/-1°	
	37°+/-1°	
	55°+/-1°	

(7) PARACHUTE:

Make	Galaxy Rescue System		
Model	GRS6 473 SD 96 m2		
Weight	10.80 kg + 1.70 kg installat.		

(8) REFERENCE(S) OF THE MAINTENANCE MANUAL(S) & PILOT'S HANDBOOK(S):

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LIST OF OPTIONAL INSTRUMENTS / EQUIPMENT

Designation	Weight	Distance to datum
VL3retractable gear with rescue system	281,3	
Engine options		
Air Box + carburator heater	1.55	1250
Oil thermostat	0.5	1250
Fuel flow	0.3	1250
Avionics		
Dynon D-100 + installation	1.6	376
Dynon D-120 Engine instrument	1.5	376
Dynon D-180 Flight deck	3.4	376
Pitot with static	0.2	0
Hours instrument	0.1	376
Fuel meter L+R + sensors	0.55	376
RPM analogic	0.5	376
Transponder+antenna+cableTRT800	1.1	376
Radio Filser ATR500+antenna	1.3	376
GPS AVMAP EKP+antenna	1	376
GPS Garmin 296	0.8	376
Switches 5+ safety fuses instruments	1	376
Accessories		
Upgrade instrument panel	0.4	376
Seat belts 4 points	0.26	-13
Strobe lights Wheelen +cable	1.4	0
Strobe LED position +cable	0.7	0
Double stick + ptt +pedals	0.6	320
Trim Electric	0.5	376
Cabin upholstery	2.7	0
Battery 18Ah(basic 11Ah)	2.3	670
Canopy pistons	0.8	620
Cabin lock	0.1	-500
Ventilation slides on canopy	0.45	376
Spinner	0.5	2020
Electric fuel pump	0.47	1250
Cabin air	1	670
Cabin heating	1.5	670
Holder earphones	0.1	-500
Inspection opening in tail	0.2	-2900
Inspection opening engine	0.2	1250
Rear windows	1.8	-900
Isolation firewall	0.2	1170
90 l fuel tank	2	230
Tainted canopy 3mm(basic 2.5mm)	1.1	0
4'' front wheel (basic 3'')	0.8	1305
4'' main wheels(basic 3'')	1.6	0
Front wheel cover	1.3	1305
Main wheel covers	2.6	0
Hydraulic brakes	2.8	0
Adjustable pedals	0.6	670
Leather interior	5.2	0
Autopilot Dynon	3	0
Landing light	0.25	2000

ANNEXE 2 - BIJLAGE 2 - ANNEX 2

Par la présente je certifie que

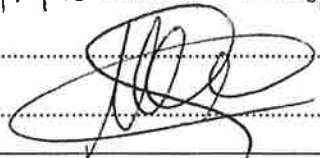
1. je fournirai avec chaque aéronef les documents de navigabilité qui lui sont associés (par ex. manuel d'utilisation et d'entretien, manuel / plans de construction, ...);
2. j'informerai systématiquement tous les utilisateurs des modifications ou inspections obligatoires;
3. je fournirai à la Direction Générale Transport Aérien toutes les informations nécessaires pour permettre le maintien de l'aéronef dans un état satisfaisant de navigabilité;
4. le niveau de bruit produit par l'aéronef défini ci-dessus (87dBA) est dans les limites définies à l'article 22 de l'arrêté royal du 25/05/1999 modifié le 21/10/2008;
5. la vitesse de décrochage V_{so} enregistrée pour cet aéronef et mesurée suivant les spécifications de l'annexe 3, §2 de la circulaire CIR/AIRW-12 est de 55 km/h (29,7 knots) IAS;
6. toutes les informations et données contenues dans le dossier technique annexé sont correctes et les exigences de la réglementation belge ont été satisfaites.

I hereby certify that

1. I will furnish each aeroplane with the relative airworthiness documents (i.e. operator's manual, construction manual / drawings, ...);
2. I will inform all users systematically of mandatory modifications or inspections;
3. I will inform the Belgian Civil Aviation Authority of all data necessary to keep the aeroplane in a satisfying state of airworthiness;
4. the noise produced by this aeroplane (87dBA) has been found to be within the limitations specified in Article 22 of the Royal Decree of 25/05/1999 modified by the Royal Decree of 21/10/2008;
5. the stall speed V_{so} recorded for this aeroplane has been registered according to the specifications of annex 3, §2 of circular CIR/AIRW-12 and has been found 55 km/h (29,7 knots) IAS;
6. all information and data contained in the annexed technical file are correct and that the prescriptions of the Belgian regulation have been complied with.

Ik verklaar hierbij dat

1. ik bij ieder luchtvaartuig de luchtwaardigheidsdocumenten zal bijleveren die erop van toepassing zijn (zijnde gebruikers- en onderhoudshandboek, constructiehandboek / plannen, ...);
2. ik alle gebruikers systematisch op de hoogte zal brengen van verplichte modificaties of inspecties;
3. ik het Directoraat-generaal Luchtvaart op de hoogte zal brengen van alle gegevens die noodzakelijk zijn om het luchtvaartuig in een voldoende staat van luchtwaardigheid te houden;
4. het geluid voorgebracht door dit luchtvaartuig (87dBA) de limieten vastgesteld in artikel 22 van het K.B. van 25/05/1999 gewijzigd door het K.B. van 21/10/2008 niet overschrijdt;
5. de overtreksnelheid V_{so} geregistreerd voor dit luchtvaartuig opgemeten werd overeenkomstig de voorschriften van bijlage 3, § 2 van de circulaire CIR/AIRW-12 en 55 km/u (29,7 knots) IAS bedraagt;
6. alle informatie en gegevens die vermeld staan in het bijgevoegd technisch dossier correct zijn en dat aan de vereisten van de Belgische reglementering voldaan is.

Date, nom et signature du postulant	17/12/12 JMB spr
Datum, naam en handtekening van de postulant	
Date, name and signature of the applicant	

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