

# ***European Aviation Safety Agency***

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**EASA**

## **TYPE CERTIFICATE DATA SHEET**

**BALLONS LIBERT**

*Hot Air Balloon*

**Type Certificate Holder:** **BALLONS LIBERT S.P.R.L.**  
Avenue des Coquelicots 1  
1490 Court-Saint-Etienne  
BELGIUM

**Manufacturer:** **BALLONS LIBERT S.P.R.L.**  
Avenue des Coquelicots 1  
1490 Court-Saint-Etienne  
BELGIUM

Variants : Libert L Type, Libert L12 Type, Libert LC Type

Issue 3 : 9 March 2009

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## **SECTION 1: GENERAL**

### *Section 1: Généralités*

#### **I. General**

##### *I. Généralités*

- |     |   |   |
|-----|---|---|
| 1.  | Data Sheet No. EASA.BA.019<br><i>Certificat de type</i>                 | Issue Date: 9 March 2009<br><i>Date de délivrance: 09 Mars 2009</i>   |
| 2.  | Type / Variant or Model<br><i>Type / Variante ou Modèle</i>             |   |
|     | (a) Type<br><i>Type</i>   | L Type, L12 Type, LC Type   |
|     | (b) Variant or Model<br><i>Type</i>                                     | Refer to Sections 2 to 4<br><i>Consulter Sections 2 à 4</i>   |
| 3.  | Airworthiness Category<br><i>Catégorie de Navigabilité</i>              | Standard<br><i>Standard</i>   |
| 4.  | Type Certificate Holder<br><i>Détenteur du Certificat de Type</i>       | <b>BALLONS LIBERT S.P.R.L.</b><br>Avenue des Coquelicots 1<br>1490 Court-Saint-Etienne<br>BELGIQUE  |
| 5.  |   | <b>BALLONS LIBERT S.P.R.L.</b><br>Avenue des Coquelicots 1<br>1490 Court-Saint-Etienne<br>BELGIQUE  |
| 6.  | CAA B certification date<br><i>Date de certification par la CAA B</i>   | 19 September 2003   |
| 7.  | CAA B Application date<br><i>Date de candidature à la CAA B</i>         | 15 September 2003   |
| 8.  | CAA B Recommendation date<br><i>Date de recommandation par la CAA B</i> | N/A   |
| 9.  | EASA Certification Date<br><i>Date de certification par l'EASA</i>      | 26 March 2007   |
| 10. | TCDS History<br><i>Historique du TCDS</i>                               | This EASA TCDS replaces the Belgian TCDS Nrs. 4 and 6<br>issued by the CAA B<br><i>Ce TCDS remplace les TCDS Belge No 4 et 6 publiés par la CAA B</i> |

#### **II. Certification Basis**

##### *II. Bases de certification*

- |    |   |  |
|----|---|--|
| 1. | Reference Date for determining the<br>applicable requirements<br><i>Date de référence pour la détermination des<br/>exigences applicables</i> | 15 September 2003  |
| 2. | CAA B Type Certificate Data Sheet No.<br><i>Certificat de type CAA B N°</i>   | Various, refer to Sections 2 to 4<br><i>Divers, consulter Sections 2 à 4</i> |
| 3. | CAA B Certification Basis<br><i>Base de certification CAA B</i>   | 14 CFR Part 31, Amdt. 31-7   |
| 4. | Airworthiness Requirements<br><i>Exigences de Navigabilité</i>  | 14 CFR Part 31, Amdt. 31-7   |
| 5. | Special Conditions<br><i>Conditions spéciales</i>   | None<br><i>Aucune</i>  |
| 6. | Exemption<br><i>Dispense</i>  | None<br><i>Aucune</i>  |
| 7. | Equivalent Safety Findings<br><i>Constations de Sécurité Equivalentes</i>   | None<br><i>Aucune</i>  |

### **III. Technical Characteristics and Operational Limitations**

#### *III. Caractéristiques Techniques et Limites Opérationnelles*

- |     |   |   |
|-----|---|---|
| 1.  | Type Design Definition<br><i>Définition de conception de type</i> | Various, refer to Sections 2 to 4<br><i>Divers, consulter Section 2 à 4</i>   |
| 2.  | Description<br><i>Description</i>                                 | Conventional envelope shape with natural or bulbous Profiles for a volumes range from 1,880 to 5,090 m <sup>3</sup> . Envelopes are fitted with parachute. Envelope options include skirt, scoop, rotation vents, Quick Top rapid deflation system and limited inflated artwork as required.<br><i>Enveloppe de forme conventionnelle avec profil naturel ou bulbeux pour un volume de 1.880 à 5.090 m<sup>3</sup>. Les enveloppes sont équipées d'un parachute. Les options pour enveloppes incluent une jupe, un coupe-vent, des vantaux de rotation, un système de dégonflement rapide Quick Top et du graphisme gonflable limité si requis.</i> |
| 3.  | Equipment<br><i>Équipement</i>                                    | Equipment is listed in Ballons Libert Flight Manual dated<br><i>Les équipements sont listés dans le Manuel de Vol de Ballons Libert.</i>  |
| 4.  | Envelope<br><i>Enveloppe</i>                                      | Refer to Sections 2 to 4 and Ballons Libert Flight Manual<br><i>Consulter Section 2 à 4 et le Manuel de Vol de Ballons Libert</i>   |
| 5.  | Burner<br><i>Brûleur</i>  | Refer to Sections 2 to 4 and Ballons Libert Flight Manual<br><i>Consulter Section 2 à 4 et le Manuel de Vol de Ballons Libert</i>   |
| 6.  | Basket<br><i>Nacelle</i>  | Refer to Sections 2 to 4 and Ballons Libert Flight Manual<br><i>Consulter Section 2 à 4 et le Manuel de Vol de Ballons Libert</i>   |
| 7.  | Mass<br><i>Masse</i>  | The maximum take-off mass is definite by the loading chart of the Flight Manual<br><i>La masse maximale au décollage est définie par la courbe de charge du Manuel de Vol</i>   |
| 8.  | Temperature<br><i>Température</i>                                 | The envelope temperature must not exceed 120°C<br><i>La température dans l'enveloppe ne doit pas dépasser 120°C</i>   |
| 9.  | Minimum Crew<br><i>Équipage minimal</i>                           | One (pilot)<br><i>Un (pilote)</i>   |
| 10. | Maximum Occupants<br><i>Occupants maximum</i>                     | Not to exceed maximum take off mass and limitations. See the loading chart of the Flight Manual<br><i>Ne pas dépasser la masse maximale au décollage et les limitations. Consulter la courbe de charge du Manuel de Vol</i>   |
| 11. | Fuel<br><i>Carburant</i>  | Commercial Propane<br><i>Propane Commercial</i>   |

### **IV. Operations and Service Instructions**

#### *IV. Instructions d'utilisation et de maintenance*

1. Ballons Libert Flight Manual, édition 3, issue 7/3/2007, and subsequent approved EASA revisions  
*Manuel de Vol de Ballons Libert, édition 3, version du 7/3/2007, et révisions ultérieures approuvées par l'EASA*
2. Ballons Libert Maintenance Manual, édition 3, issue 21/03/2008, and subsequent approved EASA revisions  
*Manuel de Maintenance de Ballons Libert, édition 3, version du 21/03/2008, et révisions ultérieures approuvées par l'EASA*

### **V. Notes**

#### *V. Notes*

1. On envelopes manufactured prior to 1 January 2007 (until and including S/N 312-036) the parachute is operated by a red control line, the rapid deflation system by a white control line and the turning vents by two control lines of different colour being blue, yellow, green or black without distinction in view of the sense of rotation.  
*Sur les enveloppes produites avant le 1 Janvier 2007 (jusqu'au S/N 312-036 inclus), le parachute est actionné par une corde de manœuvre rouge, le système de dégonflement rapide par une corde de manœuvre blanche et les vantaux de rotation par deux cordes de manœuvre de couleurs différentes pouvant être bleue, jaune, verte ou noire sans distinction par rapport au sens de rotation.*

## SECTION 2: L TYPE

Section 2 : Type L

CAA B Type Certificate Data Sheet reference: Type Certificate Data Sheet Nr 4  
Référence de la Fiche de Navigabilité de type CAA B : Fiche de Navigabilité de type n°4

L Type: Definitions and limitations  
Type L : Définitions et limitations

Hot air balloon with 20 or 24 smooth gores and flying cables  
Montgolfière constituée de 20 ou 24 fuseaux lisses et câbles de suspenste

Model Modèle	Volume (m³) Volume (m³)	Number of gores and flying cables Nombre de fuseaux et câbles de suspenstes	MTOM (kg) MMD (kg)	MLM (kg) MMA (kg)
L1800	1880	20	601,6	300,8
L2200	2190	24	700,8	350,4
L2600	2580	24	825,6	412,8
L3000	2990	24	956,8	478,4
L3000+	3180	24	1017,6	508,8
L3400	3380	24	1081,6	540,8
L4000+	4200	24	1344,0	672,0
L4500	4500	24	1440,0	720,0
L5000	5090	24	1628,8	814,4

Libert L Type eligible equipment  
Libert Type L équipement admissible

1. Aerostar bottom ends  
1. Bases Aerostar

Envelopes Enveloppes	Baskets Nacelles	Burners Brûleurs	Cylinders Cylindres
L1800 L2200	ELS	HP3 Single Aurora	<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Lindstrand</i> V 20 V 30
	RWS	HP2/HP5 Single	<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30
	RWSW	HP3/HP6 Single	
	CW	HP2/HP5 Dual HP3/HP6 Dual	
L2600 L3000	RWS	HP2/HP5 Dual	<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30
	RWSW	HP3/HP6 Dual	
	CW		
	CWS		
L3000+ L3400	CW		<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30
	CWS		
L4000+	CWS	HP2/HP5 Dual	<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30
	RB6	HP3/HP6 Dual HP3 Triple	
		HP3 Triple	
L4500 L5000	CWS		<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30
	RB6		

2. Schroeder fire balloons bottom ends  
2. Bases Schroeder fire balloons

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L1800	II	201.2 201.6 201.7	FB V double FB 6 double	Schroeder VA 50 VA 70 Worthington Aluminium 10 gal Lindstrand V 20 V 30
	III	201.2 201.6 201.7	FB V double FB 6 double	
L2200	II	201.2 201.6 201.7	FB V double FB 6 double	
	III	201.2 201.6 201.7	FB V double FB 6 double	
	IV	201.2 201.6 201.7	FB V double FB 6 double	
L2600 L3000	III	201.2 201.6 201.7	FB V double FB 6 double	
	IV	201.2 201.6 201.7	FB V double FB 6 double	
	V	201.2 201.6 201.7	FB V double FB 6 double	
L3000+ L3400	IV	201.2 201.6 201.7	FB V double FB 6 double	
	V	201.2 201.6 201.7	FB V double FB 6 double	
	VI	201.2 201.6 201.7	FB V double FB 6 double	
L4000+	VI	201.2 201.6 201.7	FB V double FB 6 double FB V triple FB 6 triple	
	VII	201.1 201.5	FB V double FB 6 double FB V triple FB 6 triple	
	VIII	201.1 201.5	FB V double FB 6 double FB V triple FB 6 triple	
L4500 L5000	VII	201.1 201.5	FB V triple FB 6 triple	
	VIII	201.1 201.5	FB V triple FB 6 triple	

3. Cameron Balloons bottom ends  
3. Bases Cameron Balloons

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L1800	CB8340	CB8340	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712	CB8424
	CB3037 CB3018	CB2356 CB871 CB855	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712	Worthington Aluminium 10 gal
	CB3116	CB2235 CB2358 CB2533 CB2859	CB391 CB2245 CB2246 CB2512	Worthington Aluminium 10 gal Cameron CB599
	CB3327	CB2598 CB2224 CB2203 CB2231	CB2233 CB2538 CB8710 CB8712	CB497 CB426 CB2900 CB2901

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L1800		cont. of foregoing p. <i>suite de p. préc.</i>	see foregoing p. <i>voir p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i>
	CB3096	CB871 CB871 CB855		CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30
	CB310-1A	CB2598	CB391	
	CB300-2A	CB2224	CB2245	
	CB310-2A	CB2203	CB2246	
		CB2231	CB2512	
		CB2874	CB2233	
		CB2226	CB2538	
		CB871	CB8710	
	CB3050-2	CB2598	CB8712	
	CB3115-2	CB2224	CB205	
		CB2203	CB392	
		CB2231	CB451	
		CB2874	CB460	
		CB2226	CB494	
	CB3144	CB871	CB579-1/-2	
	CB814	CB855	CB595-1/-2	
	CB660	CB2874	CB2008-1/-2	
	CB8000	CB8810	CB2031-1/-2	
	CB8010	CB8811	CB2059	
	CB8047	CB8821	CB2075-1/-2	
	CB8054	CB8902	CB2085-1/-2	
	CB8075	CB8903	CB2086-1/-2	
		CB8894	CB2101-1/-2	
		CB8864	CB2111-1/-2	
	CB3051	CB2203	CB2153-1/-2	
		CB2598	CB2195-1/-2	
		CB2562	CB2239-1/-2	
		CB2224	CB2240-1/-2	
		CB2560	CB2460-1/-2	
		CB2231	CB2461-1/-2	
		CB2874	CB2465-1/-2	
		CB2226	CB2466-1/-2	
			CB2478-1/-2	
			CB2479-1/-2	
	CB3267	CB2598	CB2494-1/-2	
		CB2224	CB2698	
		CB2203	CB2699	
		CB2231	CB2222	
		CB871	CB2433	
		CB855	CB2215	
	CB3033	CB2598	CB2243	
		CB2224	CB2251	
		CB2203	CB2244	
		CB2231	CB2694	
	CB3052	CB2598	CB2691	
	CB3050-3A	CB2224	CB2695	
CB3115-3	CB2203	CB2695		
	CB2231	CB8720		
	CB2874	CB8721		
	CB2226			
CB300-3A	CB2598	CB391	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30	
CB310-3A	CB2224	CB2245		
	CB2203	CB2246		
	CB2231	CB2512		
	CB2874	CB2233		
	CB2226	CB2538		
	CB871	CB8710		
CB3046	CB2598	CB8712		
CB3173	CB2224	CB205		
CB869	CB2203	CB392		
	CB2231	CB451		
	CB871	CB460		
	CB855	CB494		
CB8021	CB8810	CB579-1/-2		
CB8048	CB8811	CB595-1/-2		
CB8055	CB8821	CB2008-1/-2		
CB8056	CB8902	CB2031-1/-2		
CB8062	CB8903	CB2059		
	CB8894	CB2075-1/-2		
	CB8864	CB2085-1/-2		
CB8012	CB8810	CB2086-1/-2		
CB8001	CB8811	CB2101-1/-2		
	CB8020	CB2111-1/-2		
	CB8021	CB2153-1/-2		
	CB8821	CB2195-1/-2		
	CB8902	CB2239-1/-2		
	CB8903	CB2240-1/-2		
	CB8894	CB2460-1/-2		
		CB2461-1/-2		
		CB2465-1/-2		
		CB2466-1/-2		
	CB2478-1/-2			

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L1800	see foregoing p. voir p. préc.	see foregoing p. voir p. préc.	cont. of foregoing p. <i>suite de p. préc.</i> CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	see foregoing p. voir p. préc.
	CB8005 CB8016	CB8810 CB8811 CB8821 CB8902 CB8903 CB8894 CB8821 CB8864	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712 CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30
	CB3011-2A CB3023-2 CB3011-2B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB925	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	
	CB3011-3A CB3023-3 CB3011-3B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB871	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	
	CB3093	CB2598 CB2224 CB2203 CB2231 CB871 CB855	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	
	CB8017 CB8006	CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894	CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	
L2200	CB8340	CB8340	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712	CB8424
	CB300-2A CB310-2A	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB871	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30
	CB3050-2 CB3115-2	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226	CB8712 CB205 CB392 CB451 CB460 CB494	

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L2200	CB3144	CB871	cont. of foregoing p. <i>suite de p. préc.</i>  CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	cont. of foregoing p. <i>suite de p. préc.</i>  Sky A0/V30
	CB814	CB855		
	CB660	CB2874		
	CB8000	CB8810		
	CB8010	CB8811		
	CB8047	CB8821		
	CB8054	CB8902		
	CB8075	CB8903		
		CB8894 CB8864		
	CB3051	CB2203		
		CB2598		
		CB2562		
		CB2224		
		CB2560		
		CB2231		
		CB2874 CB2226		
	CB3267	CB2598		
		CB2224		
		CB2203		
		CB2231		
		CB871		
		CB855		
	CB3033	CB2598		
		CB2224		
		CB2203		
		CB2231		
	CB3052	CB2598		
	CB3050-3A	CB2224		
	CB3115-3	CB2203		
		CB2231		
		CB2874 CB2226		
	CB300-3A	CB2598		
	CB310-3A	CB2224		
		CB2203		
		CB2231		
		CB2874		
		CB2226 CB871		
	CB3046	CB2598		
	CB3173	CB2224		
	CB869	CB2203		
		CB2231		
		CB871 CB855		
	CB8021	CB8810		
	CB8048	CB8811		
	CB8055	CB8821		
	CB8056	CB8902		
	CB8062	CB8903		
CB8894 CB8864				
CB8012	CB8810			
CB8001	CB8811			
CB8013	CB8020			
CB8002	CB8021			
	CB8821			
	CB8902			
	CB8903			
	CB8894			
	CB579-1/-2			
	CB595-1/-2			
	CB2008-1/-2			
	CB2031-1/-2			
	CB2059			
	CB2075-1/-2			
	CB2085-1/-2			
	CB2086-1/-2			
	CB2101-1/-2			
CB2111-1/-2				
CB2153-1/-2				
CB2195-1/-2				
CB2239-1/-2				
CB2240-1/-2				
CB2460-1/-2				
CB2461-1/-2				
CB2465-1/-2				
CB2466-1/-2				
CB2478-1/-2				
CB2479-1/-2				
CB2494-1/-2				
CB2698				
CB2699				
CB2222				
CB2433				
CB2215				
CB2243				
CB2251				
CB2244				
CB2694				
CB2691				
Worthington Aluminium 10 gal Cameron CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S Thunder & Colt V20 V30 Sky A0/V30				

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L2200	see foregoing p. <i>voir p. préc.</i>	see foregoing p. <i>voir p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i> CB2695 CB8720 CB8721	see foregoing p. <i>voir p. préc.</i>
	CB8005 CB8016	CB8810 CB8811 CB8821 CB8902 CB8903 CB8894 CB8821 CB8864	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 Sky A0/V30
	CB3011-2A CB3023-2 CB3011-2B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB925	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2	
	CB3011-3A CB3023-3 CB3011-3B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226	CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2	
	CB3093	CB2598 CB2224 CB2203 CB2231 CB871 CB855	CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2	
	CB8017 CB8006 CB8018 CB8007	CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894	CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	
L2600 L3000 L3000+ L3400	CB300-2A CB310-2A	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB871	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30 Sky A0/V30
	CB3050-2 CB3115-2	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226	CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2	
	CB3144 CB814 CB660	CB871 CB855 CB2874	CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2	
	CB8000 CB8010 CB8047 CB8054 CB8075	CB8810 CB8811 CB8821 CB8902 CB8903 CB8894 CB8864	CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251	
	CB3051	CB2203 CB2598 CB2562 CB2224 CB2560 CB2231 CB2874 CB2226	CB2699 CB2222 CB2433 CB2215 CB2243 CB2251	
	CB3267	CB2598 CB2224	CB2251	

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L2600 L3000 L3000+ L3400	see foregoing p. <i>voir p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i> CB2203 CB2231 CB871 CB855	cont. of foregoing p. <i>suite de p. préc.</i> CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	see foregoing p. <i>voir p. préc.</i>
	CB3033	CB2598 CB2224 CB2203 CB2231		
	CB3052	CB2598		
	CB3050-3A	CB2224		
	CB3115-3	CB2203 CB2231 CB2874 CB2226		
	CB300-3A	CB2598		
	CB310-3A	CB2224 CB2203 CB2231 CB2874 CB2226 CB871		
	CB3046	CB2598	CB205	<i>Worthington</i>
	CB3173	CB2224	CB392	Aluminium 10 gal
	CB869	CB2203	CB451	<i>Cameron</i>
	CB3085	CB2231	CB460	CB599
	CB3147	CB871	CB494	CB497
	CB3214	CB855	CB579-1/-2	CB426
	CB3278		CB595-1/-2	CB2900
	CB8021	CB8810	CB2008-1/-2	CB2901
	CB8048	CB8811	CB2031-1/-2	CB2385S
	CB8055	CB8821	CB2059	CB2380S
	CB8056	CB8902	CB2075-1/-2	<i>Thunder &amp; Colt</i>
	CB8062	CB8903	CB2085-1/-2	V20
	CB8045	CB8894	CB2086-1/-2	V30
	CB8051	CB8864	CB2101-1/-2	<i>Sky</i>
	CB8052		CB2111-1/-2	A0/V30
	CB8012	CB8810	CB2153-1/-2	
	CB8001	CB8811	CB2195-1/-2	
	CB8013	CB8020	CB2239-1/-2	
	CB8002	CB8021	CB2240-1/-2	
		CB8821	CB2460-1/-2	
		CB8902	CB2461-1/-2	
		CB8903	CB2465-1/-2	
		CB8894	CB2466-1/-2	
	CB300-4A	CB2598	CB2478-1/-2	
	CB310-4A	CB2224	CB2479-1/-2	
		CB2203	CB2494-1/-2	
		CB2231	CB2698	
		CB2874	CB2699	
		CB2226	CB2222	
		CB871	CB2433	
	CB3050-4	CB2598	CB2215	
	CB3115-4	CB2224	CB2243	
		CB2203	CB2251	
		CB2231	CB2244	
		CB2874	CB2694	
		CB2226	CB2691	
	CB8014	CB8810	CB2695	
	CB8003	CB8811	CB8720	
		CB8020	CB8721	
		CB8021		
		CB8821		
		CB8902		
		CB8903		
		CB8894		
	CB8005	CB8810	CB205	<i>Worthington</i>
	CB8016	CB8811	CB392	Aluminium 10 gal
		CB8821	CB451	<i>Cameron</i>
		CB8902	CB460	CB599
		CB8903	CB494	CB497
		CB8894	CB579-1/-2	CB426
		CB8821	CB595-1/-2	CB2088
		CB8864	CB2008-1/-2	CB2900
	CB3011-2A	CB2598	CB2031-1/-2	CB2902
	CB3023-2	CB2224	CB2059	CB2901
	CB3011-2B	CB2203	CB2075-1/-2	CB2903
	CB3011-4A	CB2231	CB2085-1/-2	CB2385S
	CB3023-4	CB2874	CB2086-1/-2	CB2380S
	CB3011-4B	CB2226	CB2101-1/-2	CB2387S
	CB3011-4B	CB925	CB2111-1/-2	<i>Thunder &amp; Colt</i>
	CB3011-3A	CB2598	CB2153-1/-2	V20

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L2600 L3000 L3000+ L3400	CB3023-3 CB3011-3B  CB3093  CB8017 CB8006 CB8018 CB8007	cont. of foregoing p. <i>suite de p. préc.</i> CB2224 CB2203 CB2231 CB2874 CB2226 CB2598 CB2224 CB2203 CB2231 CB871 CB855 CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894	cont. of foregoing p. <i>suite de p. préc.</i> CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	cont. of foregoing p. <i>suite de p. préc.</i> V30 Sky A0/V30
L4000+ L4500	CB3085 CB3147 CB3214 CB3278  CB8045 CB8051 CB8052  CB300-4A CB310-4A  CB3050-4 CB3115-4  CB8014 CB8003  CB8015 CB8004  CB3087  CB3151 CB3188  CB3206 CB3244  CB3135  CB950 CB3150	CB2598 CB2224 CB2203 CB2231 CB871 CB855 CB8810 CB8811 CB8821 CB8902 CB8903 CB8894 CB8864 CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB871 CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB8810 CB2224 CB2203 CB2231 CB2874 CB2226 CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894 CB8822 CB8823 CB8824 CB8825 CB8830 CB8831 CB871 CB855 CB925 CB871 CB855 CB925 CB2203 CB2231 CB2293 CB871 CB855 CB925 CB2309 CB2310 CB697 CB2364 CB2393 CB2395 CB2364 CB2365	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721 CB378 CB637-1/-2 CB663-1/-2 CB2255 CB2520 CB2301 CB2289 CB2446 CB2459 CB2467 CB2469 CB2696 CB2692 CB8730 CB8731 CB8732 CB8733 CB8734 CB8735 CB205 CB392	Worthington Aluminium 10 gal Cameron CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S Thunder & Colt V20 V30 Sky A0/V30  Worthington Aluminium 10 gal

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L4000+ L4500	CB3068	CB2174	cont. of foregoing p. <i>suite de p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i>
	CB308	CB2203		<i>Cameron</i>
	CB867	CB2231	CB451	CB599
	CB819	CB871	CB460	CB497
	CB3153	CB855	CB494	CB426
	CB3009		CB579-1/-2	CB2900
	CB3022		CB595-1/-2	CB2901
	CB3056		CB2008-1/-2	CB2385S
	CB3130		CB2031-1/-2	CB2380S
			CB2059	<i>Thunder &amp; Colt</i>
		CB2075-1/-2	V20	
		CB2085-1/-2	V30	
		CB2086-1/-2	Sky	
		CB2101-1/-2	A0/V30	
		CB2111-1/-2		
		CB2153-1/-2		
		CB2195-1/-2		
		CB2239-1/-2		
		CB2240-1/-2		
		CB2460-1/-2		
		CB2461-1/-2		
		CB2465-1/-2		
		CB2466-1/-2		
		CB2478-1/-2		
		CB2479-1/-2		
		CB2494-1/-2		
		CB2698		
		CB2699		
		CB2222		
		CB2433		
		CB2215		
		CB2243		
		CB2251		
		CB2244		
		CB2694		
		CB2691		
		CB2695		
		CB8720		
		CB8721		
		CB378		
		CB637-1/-2		
		CB663-1/-2		
		CB2255		
		CB2520		
		CB2301		
		CB2289		
		CB2446		
		CB2459		
		CB2467		
		CB2469		
		CB2696		
		CB2692		
		CB8730		
		CB8731		
		CB8732		
		CB8733		
		CB8734		
		CB8735		
CB3011-4A	CB2598	CB205	CB205	<i>Worthington</i>
CB3023-4	CB2224	CB392	CB392	Aluminium 10 gal
CB3011-4B	CB2203	CB451	CB451	<i>Cameron</i>
	CB2231	CB460	CB460	CB599
	CB2874	CB494	CB494	CB497
	CB2226	CB579-1/-2	CB579-1/-2	CB426
CB925	CB595-1/-2	CB595-1/-2	CB2088	
CB8020	CB8822	CB2008-1/-2	CB2900	
CB8009	CB8823	CB2031-1/-2	CB2902	
CB8200	CB8824	CB2059	CB2901	
	CB8825	CB2075-1/-2	CB2903	
	CB8830	CB2085-1/-2	CB2385S	
	CB8831	CB2086-1/-2	CB2380S	
CB8023	CB8822	CB2101-1/-2	CB2387S	
CB8044	CB8823	CB2111-1/-2	<i>Thunder &amp; Colt</i>	
CB8049	CB8824	CB2153-1/-2	V20	
CB8053	CB8825	CB2195-1/-2	V30	
CB8060	CB8830	CB2239-1/-2	Sky	
CB8061	CB8831	CB2240-1/-2	A0/V30	
CB8064	CB8865	CB2460-1/-2		
CB8067		CB2461-1/-2		
CB8070		CB2465-1/-2		
CB8072		CB2466-1/-2		
CB8227		CB2478-1/-2		
CB303	CB2309	CB2479-1/-2		
	CB2312	CB2494-1/-2		
		CB2698		

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L4000+ L4500	CB3238	CB2470	cont. of foregoing p. <i>suite de p. préc.</i>	see foregoing p. <i>voir p. préc.</i>
	CB3233	CB2468		
	CB3062	CB871 CB855 CB925		
	CB3243	CB2309		
	CB3136	CB2310		
	CB3088	CB871 CB855		
	CB3286	CB855 CB925 CB2293		
	CB3132	CB871 CB855 CB925 CB2203 CB2231		
	CB3184	CB2410		
	CB8070	CB8822 CB8823 CB8824 CB8825 CB8830 CB8831 CB8865		
		CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721 CB378 CB637-1/-2 CB663-1/-2 CB2255 CB2520 CB2301 CB2289 CB2446 CB2459 CB2467 CB2469 CB2696 CB2692 CB8730 CB8731 CB8732 CB8733 CB8734 CB8735		
		Worthington Aluminium 10 gal Cameron CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S Thunder & Colt V20 V30 Sky A0/V30		

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L4000+ L4500	see foregoing p. <i>voir p. préc.</i>	see foregoing p. <i>voir p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i> CB8730 CB8731 CB8732 CB8733 CB8734 CB8735	see foregoing p. <i>voir p. préc.</i>
L5000	CB8015 CB8004  CB3087  CB3151 CB3188  CB3206 CB3244  CB3135  CB950 CB3150 CB3068 CB308 CB867 CB819 CB3153 CB3009 CB3022 CB3056 CB3130  CB986 CB3091  CB302-1  CB943 CB3175 CB8202  CB8020 CB8009 CB8200  CB8023 CB8044 CB8049 CB8053 CB8060 CB8061 CB8064 CB8067 CB8070 CB8072 CB8227 CB303  CB3238 CB3233 CB3062	CB8822 CB8823 CB8824 CB8825 CB8830 CB8831  CB871 CB855 CB925  CB871 CB855 CB925 CB2203 CB2231  CB2293  CB871 CB855 CB925 CB2309 CB2310  CB697 CB2364 CB2393 CB2395  CB2364 CB2365  CB2174  CB2203 CB2231 CB871 CB855    CB983 CB697 CB2364 CB2393 CB2395  CB430 CB2100  CB2415 CB2445  CB8827 CB8833 CB2339 CB8841  CB8822 CB8823 CB8824 CB8825 CB8830 CB8831  CB8822 CB8823 CB8824 CB8825 CB8830 CB8831 CB8865    CB2309 CB2312  CB2470 CB2468  CB871 CB855	CB378 CB637-1/-2 CB663-1/-2 CB2255 CB2520 CB2301 CB2289 CB2446 CB2459 CB2467 CB2469 CB2696 CB2692 CB8730 CB8731 CB8732 CB8733 CB8734 CB8735	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30
			CB378 CB637-1/-2 CB663-1/-2 CB2255 CB2520 CB2301 CB2289 CB2446 CB2459 CB2467 CB2469 CB2696 CB2692 CB8730 CB8731 CB8732 CB8733 CB8734 CB8735	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L5000	see foregoing p. <i>voir p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i> CB925	see foregoing p. <i>voir p. préc.</i>	see foregoing p. <i>voir p. préc.</i>
	CB3243	CB2309		
	CB3136	CB2310		
	CB3088	CB871 CB855		
	CB3286	CB855 CB925 CB2293		
	CB3132	CB871 CB855 CB925 CB2203 CB2231		
	CB3184	CB2410		
	CB8070	CB8822 CB8823 CB8824 CB8825 CB8830 CB8831 CB8865		
	CB991	CB2263		
	CB3376	CB2264		
	CB3060	CB2265 CB2266		
	CB8266	CB8822 CB8823 CB8824 CB8825 CB8830 CB8831		
	CB3310	CB2590 CB2591		
	CB3314	CB2505 CB2592		
	CB3340	CB2921		
	CB8201	CB8822 CB8823 CB8824 CB8825 CB8830 CB8831		
	CB8244	CB8827		
	CB8245	CB8833 CB8828 CB8836		
	CB755	CB755		
	CB862	CB2268 CB2881 CB2267		
	CB3187	CB2415		
	CB8257	CB8827		
	CB8260	CB8833 CB8828 CB8836		
	CB8203	CB8827 CB8833 CB2339 CB8841	CB378 CB637-1/-2 CB663-1/-2 CB2255 CB2520 CB2301 CB2289 CB2446 CB2459 CB2467 CB2469 CB2696 CB2692 CB8730 CB8731 CB8732 CB8733 CB8734 CB8735 B3-300	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30

4. Ultramagic bottom ends

4. Bases Ultramagic

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L1800	C1	MK-10 double	M-20
L2200	C2	MK-21 double	M-20D
L2600	C3		M-30
L3000	C10		M-30D
L3000+	C3		
L3400	C4		
	C6		
	C7		
	C10		
L4000+	C4	MK-10 double	M-20
L4500	C5	MK-21 double	M-20D
	C6	MK-10 triple	M-30
	C7	MK-21 triple	M-30D
	C10		M-40
L5000	C4	MK-10 triple	M40-D
	C5	MK-21 triple	
	C6		
	C7		
	C10		

### SECTION 3: L12 TYPE

Section 3 : Type L12

CAA B Type Certificate Data Sheet reference: Type Certificate Data Sheet Nr 6  
Référence de la Fiche de Navigabilité de type CAA B : Fiche de Navigabilité de type n°6

Libert L12 Type: Definitions and limitations  
Libert Type L12 : Définitions et limitations

Hot air balloon with 12 bulbous gores and flying cables  
Montgolfière constituée de 12 fuseaux bulbeux et câbles de suspension

Model <i>Modèle</i>	Volume (m <sup>3</sup> ) <i>Volume (m<sup>3</sup>)</i>	Number of gores and flying cables <i>Nombre de fuseaux et câbles de suspentes</i>	MTOM (kg) <i>MMD (kg)</i>	MLM (kg) <i>MMA (kg)</i>
L12-2600	2550	12	816,0	408,0
L12-3000	2940	12	940,8	470,4

Libert L12 Type eligible equipment  
Libert Type L12 équipement admissible

#### 1. Aerostar bottom ends

##### 1. Bases Aerostar

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L12-2600 L12-3000	RWS RWSW CW CWS	HP2/HP5 Dual HP3/HP6 Dual	<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30

#### 2. Schroeder fire balloons bottom ends

##### 2. Bases Schroeder fire balloons

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L12-2600 L12-3000	III IV V	201.2 201.6 201.7 201.2 201.6 201.7 201.2 201.6 201.7	FB V double FB 6 double FB V double FB 6 double FB V double FB 6 double	<i>Schroeder</i> VA 50 VA 70 <i>Worthington</i> Aluminium 10 gal <i>Lindstrand</i> V 20 V 30

#### 3. Cameron Balloons bottom ends

##### 3. Bases Cameron Balloons

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L12-2600 L12-3000	CB300-2A CB310-2A	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB871	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901



Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L12-2600 L12-3000	CB8014 CB8003	CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894	cont. of foregoing p. <i>suite de p. préc.</i> CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	see foregoing p. <i>voir p. préc.</i>
	CB8005 CB8016	CB8810 CB8811 CB8821 CB8902 CB8903 CB8894 CB8821 CB8864	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2 CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30
	CB3011-2A CB3023-2 CB3011-2B CB3011-4A CB3023-4 CB3011-4B CB3011-3A CB3023-3 CB3011-3B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB925 CB2598 CB2224 CB2203 CB2231 CB2874 CB2226	CB2195-1/-2 CB2239-1/-2 CB2240-1/-2 CB2460-1/-2 CB2461-1/-2 CB2465-1/-2	
	CB3093	CB2598 CB2224 CB2203 CB2231 CB871 CB855	CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222	
	CB8017 CB8006 CB8018 CB8007	CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894	CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	

4. Ultramagic bottom ends

4. Bases Ultramagic

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
L12-2600 L12-3000	C1 C3 C4 C10	MK-10 double MK-21 double	M-20 M-20D M-30 M-30D

## SECTION 4: LC TYPE

### Section 4 : Type LC

CAA B Type Certificate Data Sheet reference: Type Certificate Data Sheet Nr 6  
Référence de la Fiche de Navigabilité de type CAA B : Fiche de Navigabilité de type n°6

Libert LC Type: Definitions and limitations  
Libert Type LC : Définitions et limitations

Hot air balloon with 24 smooth gores and flying cables  
Montgolfière constituée de 24 fuseaux lisses et câbles de suspente

Model <i>Modèle</i>	Volume (m <sup>3</sup> ) <i>Volume (m<sup>3</sup>)</i>	Number of gores and flying cables <i>Nombre de fuseaux et câbles de suspentes</i>	MTOM (kg) <i>MMD (kg)</i>	MLM (kg) <i>MMA (kg)</i>
LC2000	2000	24	640,0	320,0
LC Replica	2100	24	672,0	336,0

Libert L12 Type eligible equipment  
Libert Type L12 équipement admissible

### 1. Aerostar bottom ends

#### 1. Bases Aerostar

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
LC2000 LC Replica	RWS RWSW CW	HP2/HP5 Dual HP3/HP6 Dual	<i>Worthington</i> Aluminium 10 gal <i>Aerostar</i> vertical stainless steel 15 gal vertical stainless steel 18 gal vertical stainless steel 23 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30 <i>Schroeder</i> VA 50 VA 70 <i>Lindstrand</i> V 20 V 30

### 2. Schroeder fire balloons bottom ends

#### 2. Bases Schroeder fire balloons

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
LC2000 LC Replica	II III	201.2 201.6 201.7 201.2 201.6 201.7	FB V double FB 6 double FB V double FB 6 double	<i>Schroeder</i> VA 50 VA 70 <i>Worthington</i> Aluminium 10 gal <i>Lindstrand</i> V 20 V 30

### 3. Cameron Balloons bottom ends

#### 3. Bases Cameron Balloons

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
LC2000 LC Replica	CB300-2A CB310-2A CB3050-2 CB3115-2	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB871 CB2598 CB2224 CB2203	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712 CB205 CB392	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2900 CB2901 CB2385S CB2380S



Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Load frame <i>Cadre de charge</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
LC2000 LC Replica	see foregoing p. <i>voir p. préc.</i>	see foregoing p. <i>voir p. préc.</i>	cont. of foregoing p. <i>suite de p. préc.</i> CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	see foregoing p. <i>voir p. préc.</i>
	CB8005 CB8016	CB8810 CB8811 CB8821 CB8902 CB8903 CB8894 CB8821 CB8864	CB391 CB2245 CB2246 CB2512 CB2233 CB2538 CB8710 CB8712	<i>Worthington</i> Aluminium 10 gal <i>Cameron</i> CB599 CB497 CB426 CB2088 CB2900 CB2902 CB2901 CB2903 CB2385S CB2380S CB2387S <i>Thunder &amp; Colt</i> V20 V30 <i>Sky</i> A0/V30
	CB3011-2A CB3023-2 CB3011-2B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226 CB925	CB205 CB392 CB451 CB460 CB494 CB579-1/-2 CB595-1/-2 CB2008-1/-2 CB2031-1/-2 CB2059 CB2075-1/-2 CB2085-1/-2 CB2086-1/-2	
	CB3011-3A CB3023-3 CB3011-3B	CB2598 CB2224 CB2203 CB2231 CB2874 CB2226	CB2101-1/-2 CB2111-1/-2 CB2153-1/-2 CB2195-1/-2 CB2239-1/-2 CB2240-1/-2	
	CB3093	CB2598 CB2224 CB2203 CB2231 CB871 CB855	CB2460-1/-2 CB2461-1/-2 CB2465-1/-2 CB2466-1/-2 CB2478-1/-2 CB2479-1/-2 CB2494-1/-2 CB2698 CB2699 CB2222 CB2433 CB2215 CB2243 CB2251 CB2244 CB2694 CB2691 CB2695 CB8720 CB8721	
	CB8017 CB8006 CB8018 CB8007	CB8810 CB8811 CB8020 CB8021 CB8821 CB8902 CB8903 CB8894		
LC Replica	CB8340	CB8812 CB8813 CB2515	CB2246	CB8424

4. Ultramagic bottom ends  
4. Bases Ultramagic

Envelopes <i>Enveloppes</i>	Baskets <i>Nacelles</i>	Burners <i>Brûleurs</i>	Cylinders <i>Cylindres</i>
LC2000 LC Replica	C1 C2 C3 C10	MK-10 double MK-21 double	M-20 M-20D M-30 M-30D

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