



## **Convalidación No. IA-823/2022 del Certificado de Tipo No. 1A10**

La Secretaría de Infraestructura, Comunicaciones y Transportes, con base en la Circular Obligatoria CO AV-52.1/22, de fecha 14 de octubre de 2022; a los Artículos 102 Quinquies y 127 del Reglamento de la Ley de Aviación Civil, a través de la Agencia Federal de Aviación Civil, otorga este documento a favor de:

*The Secretaría de Infraestructura, Comunicaciones y Transportes, based in the Circular Obligatoria CO AV-52.1/22, dated October 14, and the Articles 102 Quinquies and 127 of the Reglamento de la Ley de Aviación Civil, by means of the Agencia Federal de Aviación Civil, issues this document to:*

**Piper Aircraft, Inc.**  
**2926 Piper Drive**  
**Vero Beach, Florida 32960**  
**USA**

Convalidando las Hojas de Datos del Certificado de Tipo No. 1A10 Revisión 53, de fecha 15 de septiembre de 2021, emitidas por la Administración Federal de Aviación (FAA).

*Validating the Type Certificate Data Sheets No. 1A10 Revision 53, dated September 15, 2021, issued by the Federal Aviation Administration (FAA).*

Lo enunciado a continuación, reúne las especificaciones aplicables para su operación segura de acuerdo con las Normas, Procedimientos y Reglamentaciones requeridas por esta Agencia Federal de Aviación Civil (AFAC).

*The described below complies with the applicable specifications for safe operation in accordance with the Standards, Procedures and Regulations required by the Agencia Federal de Aviación Civil (AFAC).*



<b>No. Control AFAC</b> <b>AFAC control No.</b>	<b>IA-823/2022</b>
<b>Modelo</b> <b>Model</b>	<b>PA-23</b> <b>4 PCLM o / or 5 PCLM</b>
<b>Categoría</b> <b>Category</b>	Normal
<b>Números de serie</b> <b>Serial Numbers</b>	23-1 hasta / through 23-1182 (excepto / except 23-1177)
<b>Marca de Motores</b> <b>Engines Manufacturer</b>	Lycoming
<b>Modelos</b> <b>Models</b>	Dos / Two O-320 Series (Ajuste del carburador / Carburetor setting No. 10-3678-11, 10-3678-12 o / or 10-3678-32)
<b>Marca de Hélice</b> <b>Propeller Manufacturer</b>	Hartzell
<b>Modelos de Hélice</b> <b>Propeller Models</b>	Dos / Two HC-82XG-2 con palas / with blades 7636D (No elegibles para modelos / Not eligible for Models PA-23 o / or PA-23-160, S/N 23-1068, y / and 23-1152 hasta / through 23-2046) Hartzell HC-82XG-2B con palas / with blades 7636D-4 Hartzell HC-82XL-2B con palas / with blades 7636D-4 Hartzell HC-82XL-2C con palas / with blades 7636D-4 Hartzell HC-82XK-2C1 con palas / with blades 8433-10 Hartzell HC-A2XK-2 con palas / with blades 8433-10 Hartzell HC-A2XL-2 con palas / with blades 7636D-4 HC-E2YR-2RB con palas / with blades 8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (k) HC-E2YR-2RBS con palas / with blades 8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (n) HC-E2YR-2RBSF con palas / with blades F8465-7 Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (p) HC-E2YR-2RBSF con palas / with blades F8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (q) HC-E2YR-2RBF con palas / with blades F8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (r)





<b>No. Control AFAC</b> <b>AFAC control No.</b>	IA-823/2022
<b>Modelo</b> <b>Model</b>	PA-23-160 4 PCLM o / or 5 PCLM
<b>Categoría</b> <b>Category</b>	Normal
<b>Números de serie</b> <b>Serial Numbers</b>	23-1177, 23-1183 hasta / through 23-2046
<b>Marca de Motores</b> <b>Engines Manufacturer</b>	Lycoming
<b>Modelos</b> <b>Models</b>	Dos / Two O-320 Series (Ajuste del carburador / Carburetor setting No. 10-3678-11, 10-3678-12 o / or 10-3678-32)
<b>Marca de Hélice</b> <b>Propeller Manufacturer</b>	Hartzell
<b>Modelos de Hélice</b> <b>Propeller Models</b>	Dos / Two HC-82XG-2 con palas / with blades 7636D (No elegibles para modelos / Not eligible for Models PA-23 o / or PA-23-160, S/N 23-1068, y / and 23-1152 hasta / through 23-2046)  Hartzell HC-82XG-2B con palas / with blades 7636D-4  Hartzell HC-82XL-2B con palas / with blades 7636D-4  Hartzell HC-82XL-2C con palas / with blades 7636D-4  Hartzell HC-82XK-2C1 con palas / with blades 8433-10  Hartzell HC-A2XK-2 con palas / with blades 8433-10  Hartzell HC-A2XL-2 con palas / with blades 7636D-4  HC-E2YR-2RB con palas / with blades 8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (k)  HC-E2YR-2RBS con palas / with blades 8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (n)  HC-E2YR-2RBSF con palas / with blades F8465-7 Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (p)  HC-E2YR-2RBSF con palas / with blades F8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (q)  HC-E2YR-2RBF con palas / with blades F8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (r)





<b>No. Control AFAC</b> <b>AFAC control No.</b>	IA-823/2022
<b>Modelo</b> <b>Model</b>	PA-23-235, 5 PCLM
<b>Categoría</b> <b>Category</b>	Normal
<b>Números de serie</b> <b>Serial Numbers</b>	27-505 hasta / through 27-622
<b>Marca de Motores</b> <b>Engines Manufacturer</b>	Lycoming
<b>Modelos</b> <b>Models</b>	Dos / Two O-540 series (Ajuste del carburador / Carburetor Setting No. IO-4057-1 o / or IO-4404)
<b>Marca de Hélice</b> <b>Propeller Manufacturer</b>	Hartzell
<b>Modelos de Hélice</b> <b>Propeller Models</b>	<p>Dos / Two</p> <p>HC-82XG-2 con palas / with blades 7636D</p> <p>Hartzell HC-82XG-2B con palas / with blades 7636D-4</p> <p>Hartzell HC-82XL-2B con palas / with blades 7636D-4</p> <p>Hartzell HC-82XL-2C con palas / with blades 7636D-4</p> <p>Hartzell HC-82XK-2C1 con palas / with blades 8433-10</p> <p>Hartzell HC-A2XK-2 con palas / with blades 8433-10</p> <p>Hartzell HC-A2XL-2 con palas / with blades 7636D-4</p> <p>HC-E2YR-2RB con palas / with blades 8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (k)</p> <p>HC-E2YR-2RBS con palas / with blades 8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (n)</p> <p>HC-E2YR-2RBSF con palas / with blades F8465-7 Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (p)</p> <p>HC-E2YR-2RBSF con palas / with blades F8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (q)</p> <p>HC-E2YR-2RBF con palas / with blades F8465-7R Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (r)</p>





<b>No. Control AFAC</b> <i>AFAC control No.</i>	IA-823/2022
<b>Modelo</b> <i>Model</i>	PA-E23-250, 6 PCLM
<b>Categoría</b> <i>Category</i>	Normal
<b>Números de serie</b> <i>Serial Numbers</i>	27-2505 hasta / through 27-4916, y / and 27-7304917 hasta / through 27-7554168 Las series indicadas en la Nota 9 de la TCDS 1A10 Rev. 53 no son elegibles para obtener un Certificado de Aeronavegabilidad / Serial numbers listed on Note 9 from TCDS 1A10 Rev. 53 are not eligible for issue of a Certificate of Airworthiness.
<b>Marca de Motores</b> <i>Engines Manufacturer</i>	Lycoming
<b>Modelos</b> <i>Models</i>	Dos / Two IO-540 series
<b>Marca de Hélice</b> <i>Propeller Manufacturer</i>	Hartzell





## Modelos de Hélice Propeller Models

Dos / Two

HC-82XG-2 con palas / with blades 7636D

HC-82XG-2B con palas / with blades 7636D-4

HC-82XL-2B con palas / with blades 7636D-4

HC-82XL-2C con palas / with blades 7636D-4

HC-A2XL-2 con palas / with blades 7636D-4

HC-E2YK-2RB con palas / with blades 8465-7R

(Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030)  
Ver / See TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1.(i)

HC-E2YR-2RB con palas / with blades 8465-7R

(Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030)  
Ver / See TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (j)

HC-E2YR-2RB con palas / with blades 8465-7R

Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (k)

HC-E2YK-2RBS con palas / with blades 8465-7R

(Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030)  
Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (l)

HC-E2YR-2RBS con palas / with blades 8465-7R

(Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030).  
Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (m)

HC-E2YR-2RBS con palas / with blades 8465-7R

Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (n)

HC-E2YR-2RBSF con palas / with blades F8465-7R

(Eligible solo para los modelos/eligible only on Models Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030).  
Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (o)

HC-E2YR-2RBSF con palas / with blades F8465-7

Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (p)

HC-E2YR-2RBSF con palas / with blades F8465-7R

Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (q)

HC-E2YR-2RBF con palas / with blades F8465-7R

Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (r)





<b>No. Control AFAC</b> <i>AFAC control No.</i>	IA-823/2022
<b>Modelo</b> <i>Model</i>	PA-23-250, 6 PCLM
<b>Categoría</b> <i>Category</i>	Normal
<b>Números de serie</b> <i>Serial Numbers</i>	27-7654001 hasta / <i>through</i> 27-8154030 <small>Las series indicadas en la Nota 9 de la TCDS 1A10 Rev. 53 no son elegibles para obtener un Certificado de Aeronavegabilidad / <i>Serial numbers listed on Note 9 from TCDS 1A10 Rev. 53 are not eligible for issue of a Certificate of Airworthiness.</i></small>
<b>Marca de Motores</b> <i>Engines Manufacturer</i>	Lycoming
<b>Modelos</b> <i>Models</i>	Dos / <i>Two</i> I-540 series



<b>No. Control AFAC AFAC control No.</b>	IA-823/2022
<b>Modelo Model</b>	PA-23-250, 6 PCLM (Cont.)
<b>Marca de Hélice Propeller Manufacturer</b>	Hartzell
<b>Modelos de Hélice Propeller Models</b>	<p>Dos / Two</p> <p>HC-82XG-2 con palas / with blades 7636D          HC-82XG-2B con palas / with blades 7636D-4          HC-82XL-2B con palas / with blades 7636D-4          HC-82XL-2C con palas / with blades 7636D-4          HC-82XK-2C1 con palas / with blades 8433-10          (No elegibles para modelos / not eligible on Model PA-23-250 S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030)</p> <p>HC-A2XK-2 con palas / with blades 8433-10          (No elegibles para modelos / not eligible on Model PA-23-250 S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030)</p> <p>HC-A2XL-2 con palas / with blades 7636D-4          HC-A2XL-2 con palas / with blades 8433B-10          (Eligible solo para el modelo/eligible only on Model PA-23-250, S/N 27-1 hasta/through 27-1999)</p> <p>HC-E2YK-2RB con palas / with blades 8465-7R          (Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030)          Ver / See TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (i)</p> <p>HC-E2YR-2RB con palas / with blades 8465-7R          (Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030          Ver / See TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (j)</p> <p>HC-E2YR-2RB con palas / with blades 8465-7R          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (k)</p> <p>HC-E2YK-2RBS con palas / with blades 8465-7R          (Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (l)</p> <p>HC-E2YR-2RBS con palas / with blades 8465-7R          (Eligible solo para los modelos/eligible only on Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030.          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (m)</p> <p>HC-E2YR-2RBS con palas / with blades 8465-7R          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (n)</p> <p>HC-E2YR-2RBSF con palas / with blades F8465-7R          (Eligible solo para los modelos/eligible only on Models Models PA-23-250 y/and PA-E23-250, S/N 27-2505 hasta/through 27-4916, y/and 27-7304917 hasta/through 27-8154030.          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (o)</p> <p>HC-E2YR-2RBSF con palas / with blades F8465-7          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (p)</p> <p>HC-E2YR-2RBSF con palas / with blades F8465-7R          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (q)</p> <p>HC-E2YR-2RBF con palas / with blades F8465-7R          Ver / see TCDS 1A10, Rev. 53, Specifications Pertinent to All Models, Propellers and Propellers Accessories, 1. (r)</p>







No. Control AFAC  
AFAC control No.

IA-823/2022

**NO ES VÁLIDO SIN LA HOJA DE LIMITACIONES ANEXA.  
NOT VALID WITHOUT ATTACHED LIMITATIONS SHEET.**

**VIGENCIA:** Esta convalidación se mantendrá vigente a menos que sea cancelada por la Agencia Federal de Aviación Civil (AFAC).

**Validity:** This validation shall remain in effect unless canceled by the Federal Civil Aviation Agency (AFAC).

**FECHA DE EMISIÓN**  
*Date of Issue*

**22 de noviembre de 2022**  
*November 22, 2022*

**Ing. Pablo Carranza Plata**  
**Director Ejecutivo de Aviación**





## Anexo a la Convalidación IA-823/2022 del Certificado de Tipo No. 1A10 Limitaciones *Limitations*

**Sistema de combustible:** Las unidades del sistema de combustible serán las del Sistema Internacional de Unidades; no obstante, se aceptan las unidades en el sistema Inglés.

**Fuel system:** *The fuel system units will be the International System of Units, however, are accepted in the English system units.*

**Placas/Letreros:** Las placas y letreros requeridos para instrucciones a pasajeros, emergencias, compartimentos de carga y equipaje, en el exterior de la aeronave y cualquier otro que sirva de guía para el personal de apoyo en tierra, deben ser bilingües, español-inglés, y deben ser aprobadas por AFAC.

**Placards and Markings:** *The placards and markings required for instructions to passengers, emergency, cargo and baggage compartments, on the outside of the aircraft and any other as a guide for ground support personnel, must be bilingual, Spanish-English, and must be approved by AFAC.*

**Manual de vuelo de la Aeronave (AFM):** Las unidades establecidas en el manual de vuelo de la aeronave, estarán en el Sistema Internacional de Unidades; no obstante, se aceptan las unidades en el sistema Inglés.

**Airplane Flight Manual (AFM):** *The units established in the Airplane Flight Manual will be in the International System of Units, however, are accepted in the English system units.*

**Aeronaves aprobadas:** Solamente los modelos de las aeronaves y sus variantes cubiertos por la convalidación IA-823/2022, deben ser aceptados para su operación por parte de un concesionario, permisionario u operador aéreo mexicano.

**Approved aircraft:** *Only aircraft models and variants covered by the validation IA-823/2022 must be accepted for operation by a Mexican licensee, permit holder or air operator.*

**FECHA DE EMISIÓN**  
*Date of Issue*

**08 de noviembre de 2022**  
*November 08, 2022*

  
**Ing. Pablo Carranza Plata**  
**Director Ejecutivo de Aviación**