



(SCT-02-033)

Subsecretaría de Transporte
Dirección General de Aeronáutica Civil
Dirección General Adjunta de Aviación

Nº de Oficio 4.1.4.-1571-2019
Ciudad de México a 29 de julio de 2019

Federal Aviation Administration
Aircraft Certification Service
Compliance & Airworthiness Division
Atlanta Aircraft Certification Office
1701 Columbia Ave.
College Park, Georgia 30337
USA

Christina M. Underwood
Manager Atlanta Aircraft Certification Office

En atención a su escrito con referencia No. 7A0-19-7604, de fecha 15 de julio del año en curso, mediante el cual requiere de esta Dirección General de Aeronáutica Civil (DGAC), la aprobación del cambio al diseño de tipo de la aeronave marca Piper, modelo PA-28-181 Archer III para instalar los sistemas Garmin 1000 Nxi Fase I y II, y Garmin GFC700 AFCS, y los motores de inyección de combustible marca Lycoming, modelo IO-360-134A, con base la Hoja de Datos del Certificado de Tipo No. **2A13**, emitido por la Administración Federal de Aviación (FAA).

Al respecto, le comunico que, una vez concluido el análisis de la información presentada y al haber cumplido con los requerimientos para su operación segura de acuerdo con las Normas, Procedimientos y Reglamentaciones requeridas en el espacio aéreo mexicano, la DGAC emite la convalidación No. **IA-83/2010 Rev. 1 a Piper Aircraft, Inc.**

Se anexa la convalidación mencionada.

*Regarding to your letter with reference No. 7A0-19-7604, dated July 15, 2019, where requires of this Dirección General de Aeronáutica Civil (DGAC), the approval of the type design change on Piper model PA-28-181 Archer III to install Garmin 1000 Nxi Phase I and II, Garmin GFC700 AFCS, and Lycoming IO-360-B4A Fuel Injected engine, based on Type Certificate Data Sheet No. **2A13**, issued by the Federal Aviation Administration (FAA).*

*Once the analysis of the information submitted is concluded and due to have met the requirements for safe operation in accordance with the Rules, Procedures and Regulations required in Mexican airspace, the DGAC issues the validation No. **IA-83/2010 Rev. 1 to Piper Aircraft, Inc.***

Attached the Validation above mentioned.

Atentamente
Sincerely


Ing. Pablo Carranza Plata
Director General Adjunto de Aviación



C.c.p. Eric Wright, Director of Certification and Technical Affairs, ODA administrator, Piper Aircraft Inc. – 2926 Piper Drive
Vero Beach, Florida, 32960, USA

C.c.p. vía email Mr. Gregory "Keith" Noles, FAA – gregory.noles@faa.gov
Eric Wright – eric.wright@piper.com

RRM* LESG * RIG

Z:\2019\CERTIFICADO TIPO\Aeronaves\Piper\PA-28-181 (Archer III)\Entrega Convalidación IA-83-2010 Rev. 1 del TC A13 de Piper.docx



Subsecretaría de Transporte
Dirección General de Aeronáutica Civil
Dirección General Adjunta de Aviación

Convalidación IA-83/2010 Rev. 1 del Certificado de Tipo No. 2A13

La Secretaría de Comunicaciones y Transportes, con base en las Cartas de Política AV-01/02 R4 y AV-05/05 R2 de fecha 24 de Enero de 2012 y 25 de Julio de 2008, respectivamente, y al Artículo 21, Fracción XIV del Reglamento Interior de la Secretaría de Comunicaciones y Transportes, a través de la Dirección General de Aeronáutica Civil, otorga este documento a favor de:

The Secretaría de Comunicaciones y Transportes, based in the Cartas de Política AV-01/02 R4 and AV-05/05 R2 dated January 24, 2012 and July 25, 2008, respectively, and the Article 21, Section XIV of the Reglamento Interior de la Secretaría de Comunicaciones y Transportes, by means of the Dirección General de Aeronáutica Civil, issues this document to:

PIPER AIRCRAFT, INC.
2926 Piper Drive
Vero Beach, Florida 32960
USA

Convalidando el Certificado de Tipo No. 2A13, expedido el 31 de octubre de 1960, reexpedido por última vez el 07 de agosto de 2006, y su hoja de datos Revisión 59, de fecha 27 de agosto de 2018, emitidos por la Administración Federal de Aviación (FAA).

Validating the Type Certificate No. 2A13, issued on October 31, 1960, reissued last time on August 7, 2006, and its Data Sheet Revision 59, dated 8/27/2018, 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 Dirección General de Aeronáutica Civil (DGAC).

The described below meets the applicable specifications for safe operation in accordance with the Standards, Procedures and Regulations required by the Dirección General de Aeronáutica Civil (DGAC).





No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
Titular <i>Holder</i>	Piper Aircraft, Inc.
Modelo <i>Model</i>	PA-28-160 (Cherokee), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28-03; 28-1 through 28-4377; and 28-1760A
Marca de motores <i>Engine Manufacturer</i>	Lycoming
Modelo <i>Model</i>	O-320-B2B or O-320-D2A with carburetor setting 10-3678-32
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich
Modelo <i>Model</i>	M74DM or 74DM6 on S/N 28-1 through 28-1760, and 28-1760A M74DMS or 74D6S5 on S/N 28-1761 through 28-4377
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886

Modelo <i>Model</i>	PA-28-150 (Cherokee), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28-03; 28-1 through 28-4377; and 28-1760A
Marca de motores <i>Engine Manufacturer</i>	Lycoming
Modelo <i>Model</i>	O-320-A2B or O-320-E2A with carburetor setting 10-3678-32
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich
Modelo <i>Model</i>	M74DM or 74DM6 on S/N 28-1 through 28-1760, and 28-1760A M74DMS or 74DM6S5 on S/N 28-1761 through 28-4377
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-180 (Cherokee), 4 PCLM	PA-28-180 (Cherokee), 2 PCLM																																																							
Categoría <i>Category</i>	Normal	Utility																																																							
Números de serie aplicables <i>Serial Numbers applicability</i>	<p>28-03; 28-671 through 28-5859; and 28-7105001 through 28-7205318. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers:</p> <table border="0"> <tr> <td>28-4704</td> <td>28-4745</td> <td>28-4754</td> <td>28-4763</td> <td>28-4776</td> </tr> <tr> <td>28-4791</td> <td>28-4795</td> <td>28-4826</td> <td>28-4834</td> <td>28-4859</td> </tr> <tr> <td>28-4875</td> <td>28-4879</td> <td>28-4891</td> <td>28-4907</td> <td>28-4919</td> </tr> <tr> <td>28-4922</td> <td>28-4935</td> <td>28-4945</td> <td>28-4946</td> <td>28-4947</td> </tr> <tr> <td>28-4955</td> <td>28-4959</td> <td>28-4961</td> <td>28-4964</td> <td>28-4967</td> </tr> <tr> <td>28-4968</td> <td>28-4971</td> <td>28-4975</td> <td>28-4977</td> <td>28-4985</td> </tr> <tr> <td>28-4995</td> <td>28-4999</td> <td>28-5004</td> <td>28-5007</td> <td>28-5015</td> </tr> <tr> <td>28-5017</td> <td>28-5018</td> <td>28-5019</td> <td>28-5020</td> <td>28-5023</td> </tr> <tr> <td>28-5026</td> <td>28-5027</td> <td>28-5028</td> <td>28-5031</td> <td>28-5039</td> </tr> <tr> <td>28-5041</td> <td>28-5046</td> <td>28-5051</td> <td>28-5053</td> <td>28-5057</td> </tr> <tr> <td>28-5060</td> <td>28-5061</td> <td>28-5062</td> <td>28-5063</td> <td>28-5064</td> </tr> </table> <p>28-5066 through 28-5859, and 28-7105001 through 28-7205318 under the delegation option provisions of FAR 21.</p>		28-4704	28-4745	28-4754	28-4763	28-4776	28-4791	28-4795	28-4826	28-4834	28-4859	28-4875	28-4879	28-4891	28-4907	28-4919	28-4922	28-4935	28-4945	28-4946	28-4947	28-4955	28-4959	28-4961	28-4964	28-4967	28-4968	28-4971	28-4975	28-4977	28-4985	28-4995	28-4999	28-5004	28-5007	28-5015	28-5017	28-5018	28-5019	28-5020	28-5023	28-5026	28-5027	28-5028	28-5031	28-5039	28-5041	28-5046	28-5051	28-5053	28-5057	28-5060	28-5061	28-5062	28-5063	28-5064
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Marca de motores <i>Engine Manufacturer</i>	Lycoming																																																								
Modelo <i>Model</i>	O-360-A3A or O-360-A4A with carburetor setting 10-3878 or 10-4164-1																																																								
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-286																																																								
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich																																																								
Modelo <i>Model</i>	<p>M76EMM or 76EM8 on S/N 28-671 through 28-1760, and 28-1760A (except S/N 28-1571 and S/N 28-1573) M76EMMS or 76EM8S5 on S/N 28-1571, 28-1573; 28-1761 through 28-5859; and 28-7105001 through 28-7205318</p>																																																								
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P4EA																																																								

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
Modelo <i>Model</i>	PA-28S-160 (Cherokee), 4 PCSM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28-03; 28-1 through 28-1760; and 28-1760A
Marca de motores <i>Engine Manufacturer</i>	Lycoming
Modelo <i>Model</i>	O-320-D2A with carburetor setting 10-3678-32
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274
Marca de hélice <i>Propeller Manufacturer</i>	McCauley
Modelo <i>Model</i>	1A175-GM
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-857

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1																																																							
Modelo <i>Model</i>	PA-28S-180 (Cherokee), 4 PCSM																																																							
Categoría <i>Category</i>	Normal																																																							
Números de serie aplicables <i>Serial Numbers applicability</i>	<p>28-671 through 28-5859; and 28-7105001 through 28-7105234 The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers:</p> <table border="0"> <tr> <td>28-4704</td> <td>28-4745</td> <td>28-4754</td> <td>28-4763</td> <td>28-4776</td> </tr> <tr> <td>28-4791</td> <td>28-4795</td> <td>28-4826</td> <td>28-4834</td> <td>28-4859</td> </tr> <tr> <td>28-4875</td> <td>28-4879</td> <td>28-4891</td> <td>28-4907</td> <td>28-4919</td> </tr> <tr> <td>28-4922</td> <td>28-4935</td> <td>28-4945</td> <td>28-4946</td> <td>28-4947</td> </tr> <tr> <td>28-4955</td> <td>28-4959</td> <td>28-4961</td> <td>28-4964</td> <td>28-4967</td> </tr> <tr> <td>28-4968</td> <td>28-4971</td> <td>28-4975</td> <td>28-4977</td> <td>28-4985</td> </tr> <tr> <td>28-4995</td> <td>28-4999</td> <td>28-5004</td> <td>28-5007</td> <td>28-5015</td> </tr> <tr> <td>28-5017</td> <td>28-5018</td> <td>28-5019</td> <td>28-5020</td> <td>28-5023</td> </tr> <tr> <td>28-5026</td> <td>28-5027</td> <td>28-5028</td> <td>28-5031</td> <td>28-5039</td> </tr> <tr> <td>28-5041</td> <td>28-5046</td> <td>28-5051</td> <td>28-5053</td> <td>28-5057</td> </tr> <tr> <td>28-5060</td> <td>28-5061</td> <td>28-5062</td> <td>28-5063</td> <td>28-5064</td> </tr> </table> <p>28-5066 through 28-5859, and 28-7105001 through 28-7105234 under the delegation option provisions of FAR 21. The Models PA-28-160 and PA-28-180, S/N 28-508 to 28-1760, and 28-1760A may be converted to the seaplane configuration, PA-28S-160 and PA-28S-180, in accordance with Piper Drawing No. 62008.</p>	28-4704	28-4745	28-4754	28-4763	28-4776	28-4791	28-4795	28-4826	28-4834	28-4859	28-4875	28-4879	28-4891	28-4907	28-4919	28-4922	28-4935	28-4945	28-4946	28-4947	28-4955	28-4959	28-4961	28-4964	28-4967	28-4968	28-4971	28-4975	28-4977	28-4985	28-4995	28-4999	28-5004	28-5007	28-5015	28-5017	28-5018	28-5019	28-5020	28-5023	28-5026	28-5027	28-5028	28-5031	28-5039	28-5041	28-5046	28-5051	28-5053	28-5057	28-5060	28-5061	28-5062	28-5063	28-5064
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Marca de motores <i>Engine Manufacturer</i>	Lycoming																																																							
Modelo <i>Model</i>	O-360-A3A or O-360-A4A with carburetor setting 10-4164-1																																																							
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-286																																																							
Marca de hélice <i>Propeller Manufacturer</i>	McCauley																																																							
Modelo <i>Model</i>	1A200-FA8248 on S/N 28-671 to 28-1760, and 28-1760A. 1A200-DFA8248 on S/N 28-1761 through 28-5859, and 28-7105001 through 28-7105234.																																																							
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-874																																																							

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1		
Modelo <i>Model</i>	PA-28-235 (Cherokee Pathfinder), 4 PCLM		
Categoría <i>Category</i>	Normal		
Números de serie aplicables <i>Serial Numbers applicability</i>	28-10001 through 28-11378, and 28-7110001 through 28-7210023. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-11063, 28-11064, 28-11070, 28-11072 through 28-11378, and 28-7110001 through 28-7210023 under the delegation option provisions of FAR 21.		
Marca de motores <i>Engine Manufacturer</i>	Lycoming		
Modelo <i>Model</i>	O-540-B2B5, O-540-B1B5, or O-540-B4B5 with carburetor setting 10-4404, 10-5042, or 10-5054. (Baffle P/N 68759 required with 10-5054 setting)		
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-295		
Marca de hélice <i>Propeller Manufacturer</i>	McCauley	Hartzell	Sensenich
Modelo <i>Model</i>	1P235PFA80	HC-C2YK-1/8468A-4 or HC-C2YK-1(J)/F8468A-4	M80BMM or 80BM8 Approved for use with O-540-B4B5 Engine Only
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P12EA	P-920	P17EA

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-140 (Cherokee Cruiser), 2 PCLM
Categoría <i>Category</i>	Utility or Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28-20001 through 28-26946; and 28-7125001 through 28-7725290. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-24677, 28-24682, 28-24697, 28-24698, 28-24700, 28-24703, 28-24704, 28-24705, 28-24706, 28-24709, 28-24710, 28-24712, 28-24713, 28-24714, 28-24715 through 28-26946, and 28-7125001 through 28-7725290 under the delegation option provisions of FAR 21.
Marca de motores <i>Engine Manufacturer</i>	Lycoming
Modelo <i>Model</i>	O-320-E2A with carburetor setting 10-3678-32 or O-320-E3D with carburetor setting 10-5009
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich
Modelo <i>Model</i>	M74DM or 74DM6 For 1950 lb. maximum weight - Normal Category; S/N 28-20001 through 28-20939; or Utility Category, S/N 28-20001 through 28-26946, and 28-7125001 through 28-7725290. M74DM or 74DM6 For 2150 lb. maximum weight - Normal Category; S/N 28-20940 through 28-26946, and 28-7125001 through 28-7725290.
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886





No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-140 (Cherokee Cruiser) 4 PCLM	PA-28-140 (Cherokee Cruiser) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	28-20001 through 28-26946, and 28-7125001 through 28-7725290. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-24677, 28-24682, 28-24697, 28-24698, 28-24700, 28-24703, 28-24704, 28-24705, 28-24706, 28-24709, 28-24710, 28-24712, 28-24713, 28-24714, 28-24715 through 28-26946, and 28-7125001 through 28-7725290 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-320-E2A with carburetor setting 10-3678-32 or 10-5009 or O-320-E3D with carburetor setting 10-5009	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	M74DM or 74DM6	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28R-180 (Arrow), 4 PCLM																																																							
Categoría <i>Category</i>	Normal																																																							
Números de serie aplicables <i>Serial Numbers applicability</i>	<p>28R-30002 through 28R-31270; and 28R-7130001 through 28R-7130013. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers:</p> <table border="0"> <tr> <td>28R-30538</td> <td>28R-30546</td> <td>28R-30559</td> <td>28R-30586</td> <td>28R-30587</td> </tr> <tr> <td>28R-30602</td> <td>28R-30603</td> <td>28R-30605</td> <td>28R-30624</td> <td>28R-30627</td> </tr> <tr> <td>28R-30638</td> <td>28R-30639</td> <td>28R-30642</td> <td>28R-30684</td> <td>28R-30697</td> </tr> <tr> <td>28R-30708</td> <td>28R-30726</td> <td>28R-30739</td> <td>28R-30740</td> <td>28R-30747</td> </tr> <tr> <td>28R-30750</td> <td>28R-30752</td> <td>28R-30759</td> <td>28R-30760</td> <td>28R-30766</td> </tr> <tr> <td>28R-30776</td> <td>28R-30779</td> <td>28R-30785</td> <td>28R-30787</td> <td>28R-30795</td> </tr> <tr> <td>28R-30801</td> <td>28R-30809</td> <td>28R-30815</td> <td>28R-30819</td> <td>28R-30821</td> </tr> <tr> <td>28R-30824</td> <td>28R-30827</td> <td>28R-30832</td> <td>28R-30835</td> <td>28R-30838</td> </tr> <tr> <td>28R-30842</td> <td>28R-30845</td> <td>28R-30849</td> <td>28R-30853</td> <td>28R-30857</td> </tr> <tr> <td>28R-30860</td> <td>28R-30865</td> <td>28R-30866</td> <td>28R-30867</td> <td>28R-30868</td> </tr> <tr> <td>28R-30869</td> <td>28R-30872</td> <td>28R-30874</td> <td>28R-30875</td> <td>28R-30877</td> </tr> </table> <p>through 28R-31270, and 28R-7130001 through 28R-7130013 under the delegation option provisions of FAR 21.</p>	28R-30538	28R-30546	28R-30559	28R-30586	28R-30587	28R-30602	28R-30603	28R-30605	28R-30624	28R-30627	28R-30638	28R-30639	28R-30642	28R-30684	28R-30697	28R-30708	28R-30726	28R-30739	28R-30740	28R-30747	28R-30750	28R-30752	28R-30759	28R-30760	28R-30766	28R-30776	28R-30779	28R-30785	28R-30787	28R-30795	28R-30801	28R-30809	28R-30815	28R-30819	28R-30821	28R-30824	28R-30827	28R-30832	28R-30835	28R-30838	28R-30842	28R-30845	28R-30849	28R-30853	28R-30857	28R-30860	28R-30865	28R-30866	28R-30867	28R-30868	28R-30869	28R-30872	28R-30874	28R-30875	28R-30877
28R-30538	28R-30546	28R-30559	28R-30586	28R-30587																																																				
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28R-30708	28R-30726	28R-30739	28R-30740	28R-30747																																																				
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Marca de motores <i>Engine Manufacturer</i>	Lycoming																																																							
Modelo <i>Model</i>	IO-360-B1E																																																							
Certificado Tipo Motor <i>Engine Type Certificate</i>	1E10																																																							
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell																																																							
Modelo <i>Model</i>	HC-C2YK-()/7666A-0 or HC-C2YK-1()/F7666A																																																							
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920																																																							

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28R-200 (Arrow), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28R-35001 through 28R-35820, and 28R-7135001 through 28R-7135229. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers 28R-35001 through 28R-35820, and 28R-7135001 through 28R-7135229 under the delegation option provisions of FAR 21.
Marca de motores <i>Engine Manufacturer</i>	Lycoming
Modelo <i>Model</i>	1O-360-C1C
Certificado Tipo Motor <i>Engine Type Certificate</i>	1E10
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell
Modelo <i>Model</i>	HC-C2YK-1 ()/7666A-2 or HC-C2YK-1 ()F/7666A
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28R-200 (Arrow II), 4 PCLM	
Categoría <i>Category</i>	Normal	
Números de serie aplicables <i>Serial Numbers applicability</i>	28R-7235001 through 28R-7635545. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28R-7235001 through 28R-7635545 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	IO-360-C1C	IO-360-C1C6
Certificado Tipo Motor <i>Engine Type Certificate</i>	1E10	
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell	McCaughey
Modelo <i>Model</i>	HC-C2YK-1() or HC-C2YK-1()F Hartzell Propeller HC-C2YK-1()/7666A-2 or HC-C2YK-1()F/F7666A-2 approved with IO-360-C1C engine only (S/N 28R-7235001 through S/N 28R-7635516).	B2D34C213 McCaughey Propeller B2D34C213/90DHA-16 approved with IO-360-C1C6 engine only (S/N 28R-7635517 through 28R-7635545).
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920	P7EA

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-180 (Archer), 4 PCLM	PA-28-180 (Archer), 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	28-E13, and 28-7305001 through 28-7505260. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers 28-7305001 through 28-7505260 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-360-A4A or O-360-A4M with carburetor settings 10-3878 or 10-5193	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-286	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	76EM8S5 or M76EMMS	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P4EA	

Modelo <i>Model</i>	PA-28-235 (Cherokee Pathfinder), 4 PCLM	
Categoría <i>Category</i>	Normal	
Números de serie aplicables <i>Serial Numbers applicability</i>	28-E11, and 28-7310001 through 28-7710089. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-E11, and 28-7310001 through 28-7710089 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-540-B4B5 with carburetor setting 10-5404	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-295	
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell	
Modelo <i>Model</i>	HC-C2YK-1 ()F/F7 8468A-4	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-151 (Cherokee Warrior) 4 PCLM	PA-28-151 (Cherokee Warrior) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	28-7415001 through 28-7715314. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers 28-7415001 through 28-7715314 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-320-E3D with carburetor setting 10-5009, or 10-5009N, or 10-5135	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	M74DM6	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886	
	or	
Marca de hélice <i>Propeller Manufacturer</i>	McCauley	
Modelo <i>Model</i>	1C160 EGM 7653	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-910	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-181 (Archer II) 4 PCLM	PA-28-181 (Archer II) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	28-7690001 through 28-8690056; 28-8690061; 28-8690062; and 2890001 through 2890205. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-7690001 through 28-8690056; 28-8690061; 28-8690062; and 2890001 through 2890205 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-360-A4M with carburetor settings 10-3878 or 10-5193 or O-360-A4A with carburetor setting 10-5193	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-286	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	76EM8S5	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P4EA	

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No. control DGAC DGAC control No.	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-181 (Archer III) 4 PCLM	PA-28-181 (Archer III) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	2890206 through 2890231, 2843001 and up, and 2881001 and up. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 2890206 through 2890231, 2843001 and up, and 2881001 and up under the delegation option provisions of FAR 21. Lycoming IO-360-B4A available on airplane serial numbers 2843821, 2843852 and up, and 2881001 and up.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-360-A4M with carburetor settings 10-6102 or 10-5193 for aircraft prior to S/N 2843501 or IO-360-B4A with injector model RSA-5AD1, Lycoming Part Number 61J28702, Avstar Part Number AV 2581600	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-286 1E10	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	76EM8S5	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P4EA	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-161 (Warrior II) 4 PCLM	PA-28-161 (Warrior II) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	28-7716001 through 28-8216300, and 2841001 through 2841365 (Cadet only). The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-7716001 through 28-8216300, and 2841001 through 2841365 under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-320-D3G with carburetor setting 10-5135, 10-5009 or 10-5217, or O-320-D2A with carburetor setting 10-5135 or 10-5217	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	74DM6-0-60 or 74DM6-0-58	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-161 (Warrior II) 4 PCLM	PA-28-161 (Warrior II) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	28-8316001 through 28-8616057, and 2816001 through 2816109. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-8316001 through 28-8616057, and 2816001 through 2816109 under the delegation option provisions of FAR 21. 28-8616006 (this serial number aircraft has been reported stolen and its airworthiness condition is unknown).	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-320-D3G with carburetor setting 10-5135, 10-5009 or 10-5217, or O-320-D2A with carburetor setting 10-5135 or 10-5217	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	74DM6-0-60 or 74DM6-0-58	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28-161 (Warrior III) 4 PCLM	PA-28-161 (Warrior III) 2 PCLM
Categoría <i>Category</i>	Normal	Utility
Números de serie aplicables <i>Serial Numbers applicability</i>	2816110 through 2816119, and 2842001 and up. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 2816110 through 2816119, and 2842001 and up under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	O-320-D3G with carburetor setting 10-5135, 10-5009 or 10-5217	
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-274	
Marca de hélice <i>Propeller Manufacturer</i>	Sensenich	
Modelo <i>Model</i>	74DM6-0-60	
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-886	

Modelo <i>Model</i>	PA-28R-201 (Arrow III), 4 PCLM	
Categoría <i>Category</i>	Normal	
Números de serie aplicables <i>Serial Numbers applicability</i>	28R-7737002 through 28-7837317; 2837001 through 2837061; and 2844001 and up. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers 28R-7737002 through 28-7837317; 2837001 through 2837061; and 2844001 and up under the delegation option provisions of FAR 21.	
Marca de motores <i>Engine Manufacturer</i>	Lycoming	
Modelo <i>Model</i>	IO-360-C1C6	
Certificado Tipo Motor <i>Engine Type Certificate</i>	1E10	
Marca de hélice <i>Propeller Manufacturer</i>	McCauley	Hartzell
Modelo <i>Model</i>	B2D34C213/90DHA-16	HC-C2YK-1 () F/F7666A-2R
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P7EA	P-920

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28R-201T (Turbo Arrow III), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28R-7703001 through 28R-7803373, and 2803001 through 2803012. The manufacturer is authorized to issue airworthiness certificates for airplanes serial numbers 28R-7703001 through 28R-7803373, and 2803001 through 2803012 under the delegation option provisions of FAR 21.
Marca de motores <i>Engine Manufacturer</i>	Continental
Modelo <i>Model</i>	TSIO-360-F or TSIO-360-FB
Certificado Tipo Motor <i>Engine Type Certificate</i>	E9CE
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell
Modelo <i>Model</i>	BHC-C2YF-1BF/F8459A-8R
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920

Modelo <i>Model</i>	PA-28-236 (Dakota), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28-7911001 through 28-8611008; and 2811001 through 2811050. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-7911001 through 28-8611008; and 2811001 through 2811050; under the delegation option provisions of FAR 21.
Marca de motores <i>Engine Manufacturer</i>	Lycoming
Modelo <i>Model</i>	O-540-J3A5D with carburetor setting 10-5054
Certificado Tipo Motor <i>Engine Type Certificate</i>	E-295
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell
Modelo <i>Model</i>	HC-F2YR-1()F/F8468A-4R
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P27EA

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No. control DGAC DGAC control No.	IA-83/2010 Rev. 1
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Modelo Model	PA-28RT-201 (Arrow IV), 4 PCLM	
Categoría Category	Normal	
Números de serie aplicables Serial Numbers applicability	28R-7918001 through 28R-7918267. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28R-7918001 through 28R-7918267 under the delegation option provisions of FAR 21.	
Marca de motores Engine Manufacturer	Lycoming	
Modelo Model	IO-360-C1C6	
Certificado Tipo Motor Engine Type Certificate	1E10	
Marca de hélice Propeller Manufacturer	McCauley	Hartzell
Modelo Model	B2D34C213/90DHA-16	HC-C2YK-1(J)/F7666A-2R
Certificado Tipo Hélice Propeller Type Certificate	P7EA	P-920

Modelo Model	PA-28RT-201 (Arrow IV), 4 PCLM	
Categoría Category	Normal	
Números de serie aplicables Serial Numbers applicability	28R-8018001 through 28R-8218026. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28R-8018001 through 28R-8218026 under the delegation option provisions of FAR 21.	
Marca de motores Engine Manufacturer	Lycoming	
Modelo Model	IO-360-C1C6	
Certificado Tipo Motor Engine Type Certificate	1E10	
Marca de hélice Propeller Manufacturer	McCauley	
Modelo Model	2D34C215/90DJA-14E	
Certificado Tipo Hélice Propeller Type Certificate	P7EA	

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No. control DGAC <i>DGAC control No.</i>	IA-83/2010 Rev. 1
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Modelo <i>Model</i>	PA-28RT-201T (Turbo Arrow IV), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28R-7931001 through 28R-8631005, and 2831001 through 2831038. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28R-7931001 through 28R-8631005, and 2831001 through 2831038 under the delegation option provisions of FAR 21.
Marca de motores <i>Engine Manufacturer</i>	Continental
Modelo <i>Model</i>	TSIO-360-FB
Certificado Tipo Motor <i>Engine Type Certificate</i>	E9CE
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell
Modelo <i>Model</i>	BHC-C2YF-1()F/F8459A-8R or PHC-C3YF-1()F/F7663-2R
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920 / P25EA

Modelo <i>Model</i>	PA-28-201T (Turbo Dakota), 4 PCLM
Categoría <i>Category</i>	Normal
Números de serie aplicables <i>Serial Numbers applicability</i>	28-7921001 through 28-7921095. The manufacturer is authorized to issue airworthiness certificates for airplane serial numbers 28-7921001 through 28-7921095 under the delegation option provisions of FAR 21.
Marca de motores <i>Engine Manufacturer</i>	Continental
Modelo <i>Model</i>	TSIO-360-FB
Certificado Tipo Motor <i>Engine Type Certificate</i>	E9CE
Marca de hélice <i>Propeller Manufacturer</i>	Hartzell
Modelo <i>Model</i>	BHC-C2YF-1()F/F8459A-8R
Certificado Tipo Hélice <i>Propeller Type Certificate</i>	P-920





No. control DGAC DGAC control No.	IA-83/2010 Rev. 1
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NO ES VÁLIDO SIN LA HOJA DE LIMITACIONES ANEXA.
NOT VALID WITHOUT ATTACHED LIMITATIONS SHEET.

VIGENCIA: Esta convalidación se mantendrá vigente hasta que sea cancelada, suspendida o revocada o si se establece una fecha de terminación por la Dirección General de Aeronáutica Civil (DGAC).

Validity: This validation shall remain in effect until surrendered, suspended or revoked or a termination date is otherwise established by the Dirección General de Aeronáutica Civil (DGAC).

Fecha de Emisión
Date of Issue
29 de julio de 2019
July 29, 2019

Ing. Pablo Carranza Plata
Director General Adjunto de Aviación





Anexo a la Convalidación IA-83/2010 Rev. 1 del Certificado de Tipo No. 2A13

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 la DGAC.

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 DGAC.*

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.*

Actualización de la convalidación: Cualquier enmienda al Certificado de Tipo No. 2A13 y/o a su hoja de datos, por parte de la Administración Federal de Aviación (FAA), deberá ser notificada por la FAA a la DGAC para efectos de actualización de la presente convalidación, debiendo informar en esos casos, los cambios y/o circunstancias que generaron la enmienda.

Update validation: *Any amendment to Type Certificate No. 2A13 and/or its Data Sheet, by the Federal Aviation Administration (FAA), shall be notified by the FAA to the DGAC for update purposes of this validation, shall inform the reason or circumstances that generated the amendment.*

Aeronaves aprobadas: Solamente los modelos de aeronaves y sus variantes cubiertos por la convalidación IA-83/2010 Rev. 1, deben ser aceptados para su operación por parte de un concesionario, permisionario u operador mexicano.

Approved aircraft: *Only airplane models and variants covered by the validation IA-83/2010 Rev. 1 must be accepted for operation by a Mexican licensee, permit holder or air operator.*

Fecha de Emisión
Date of Issue
29 de julio de 2019
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Ing. Pablo Carranza Plata
Director General Adjunto de Aviación