

## Approved Engine Options: TCDS and STC Approvals

Updated August 2021

| Model | Standard Engine | HP (max) | Optional by TCDS |                 | Approved by STC |           |                    | STC holder/notes   |
|-------|-----------------|----------|------------------|-----------------|-----------------|-----------|--------------------|--|
|       |                 |          | Engine           | HP (max)        | Engine          | HP (max)  | STC #              |  |
| 35    | E-165           | 165      |                  |                 |                 |           |                    |  |
|       | E-185-1         | 185      |                  |                 |                 |           |                    |  |
|       |                 |          | E-185-8          | 196             |                 |           |                    |  |
|       |                 |          | E-185-11         | 196             |                 |           |                    | Installation requires rework of engine mounts IAW Beech instructions |
|       |                 |          | E-225-8          | 185             |                 |           |                    | Installation requires rework of engine mounts IAW Beech instructions |
|       |                 |          |                  |                 | n/a             | n/a       | n/a                | No STC-approved alternative engines                                  |
| A35   | E-185-1         | 185      |                  |                 |                 |           |                    |  |
|       |                 |          | E-185-8          | 196             |                 |           |                    |  |
|       |                 |          | E-185-11         | 196             |                 |           |                    | Installation requires rework of engine mounts IAW Beech instructions |
|       |                 |          | E-225-8          | 225             |                 |           |                    | Installation requires rework of engine mounts IAW Beech instructions |
|       |                 |          |                  |                 | E-225-8 (mod)   | 225       | SA01168SE          | Modified cylinders and propeller. Aviation Research Systems, Inc.    |
|       |                 |          |                  |                 | IO-470C         | 250       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  |                 | IO-470N         | 260       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  |                 | IO-470J         | 225       | SA1-569            | D'Shannon Aviation   |
|       |                 |          |                  | IO-520B, BA, BB | 285             | SA2200SW  | D'Shannon Aviation |  |
|       |                 |          |                  | IO-550B         | 300             | SA2200SW  | D'Shannon Aviation |  |
| B35   | E-185-8         | 196      |                  |                 |                 |           |                    |  |
|       |                 |          | E-225-8          | 225             |                 |           |                    |  |
|       |                 |          |                  |                 | E-225-8 (mod)   | 225       | SA01168SE          | Modified cylinders and propeller. Aviation Research Systems, Inc.    |
|       |                 |          |                  |                 | IO-470C         | 250       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  |                 | IO-470N         | 260       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  |                 | IO-470J         | 225       | SA1-569            | D'Shannon Aviation   |
|       |                 |          |                  |                 | IO-520B, BA, BB | 285       | SA2200SW           | D'Shannon Aviation   |
|       |                 |          |                  |                 | IO-550B         | 300       | SA2200SW           | D'Shannon Aviation   |
| C35   | E-185-11        | 205      |                  |                 |                 |           |                    |  |
|       |                 |          | E-225-8          | 225             |                 |           |                    |  |
|       |                 |          | GO-435-D1        | 260             |                 |           |                    | Lycoming geared engine. Rawdon Bros. Aircraft, Inc., (unsupported)   |
|       |                 |          |                  |                 | E-225-8 (mod)   | 225       | SA01168SE          | Modified cylinders and propeller. Aviation Research Systems, Inc.    |
|       |                 |          |                  |                 | IO-470C         | 250       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  |                 | IO-470N         | 260       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  |                 | IO-470J         | 225       | SA1-569            | D'Shannon Aviation   |
|       |                 |          |                  |                 | IO-520B, BA, BB | 285       | SA2200SW           | D'Shannon Aviation   |
|       |                 |          |                  |                 | IO-550B         | 300       | SA2200SW           | D'Shannon Aviation   |
|       |                 |          |                  | TIO-540-J2BD    | 350             | SA604NW   | Machen, Inc.       |  |
| 35R   | E-185-8         | 196      |                  |                 |                 |           |                    |  |
|       |                 |          | E-225-8          | 225             |                 |           |                    |  |
|       |                 |          |                  | IO-470J         | 225             | SA1-569   | D'Shannon Aviation |  |
| D35   | E-185-11        | 205      |                  |                 |                 |           |                    |  |
|       |                 |          | E-225-8          | 225             |                 |           |                    |  |
|       |                 |          | GO-435-D1        | 260             |                 |           |                    | Lycoming geared engine. Rawdon Bros. Aircraft, Inc., (unsupported)   |
|       |                 |          |                  |                 | E-225-8 (mod)   | 225       | SA01168SE          | Modified cylinders and propeller. Aviation Research Systems, Inc.    |
|       |                 |          |                  |                 | IO-470C         | 250       | SA09603SC          | Hammock Aviation   |
|       |                 |          |                  | IO-470N         | 260             | SA09603SC | Hammock Aviation   |  |
|       |                 |          |                  | IO-470J         | 225             | SA1-569   | D'Shannon Aviation |  |

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|-----|----------|-----|-----------|-----|--|---|---|---|
|     |          |     |           |     | IO-520B, BA, BB<br>IO-550B<br>TIO-540-J2BD   | 285<br>300<br>350                             | SA2200SW<br>SA2200SW<br>SA604NW   | D'Shannon Aviation<br>D'Shannon Aviation<br>Machen, Inc.  |
| E35 | E-185-11 | 205 |           |     |  |   |   |   |
|     |          |     | E-225-8   | 225 |  |   |   |   |
|     |          |     |           |     | E-225-8 (mod)<br>IO-470C<br>IO-470N<br>IO-470J<br>IO-520B, BA, BB<br>IO-550B<br>TIO-540-J2BD     | 225<br>250<br>260<br>225<br>285<br>300<br>350 | SA01168SE<br>SA09603SC<br>SA09603SC<br>SA1-569<br>SA2200SW<br>SA2200SW<br>SA604NW | Modified cylinders and propeller. Aviation Research Systems, Inc.<br>Hammock Aviation<br>Hammock Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Machen, Inc.       |
| F35 | E-185-11 | 205 |           |     |  |   |   |   |
|     |          |     | E-225-8   | 225 |  |   |   |   |
|     |          |     |           |     | E-225-8 (mod)<br>IO-470J<br>IO-520B, BA, BB<br>IO-550B<br>TIO-540-J2BD                           | 225<br>225<br>285<br>300<br>350               | SA01168SE<br>SA1-569<br>SA2200SW<br>SA2200SW<br>SA604NW                           | Modified cylinders and propeller. Aviation Research Systems, Inc.<br>D'Shannon Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Machen, Inc.   |
| G35 | E-225-8  | 225 |           |     |  |   |   |   |
|     |          |     | n/a       | n/a |  |   |   |   |
|     |          |     |           |     | E-225-8 (mod)<br>IO-470C<br>IO-470N<br>IO-470J<br>IO-520B, BA, BB<br>IO-550B<br>TIO-540-J2BD     | 225<br>250<br>260<br>225<br>285<br>300<br>350 | SA01168SE<br>SA09603SC<br>SA09603SC<br>SA1-569<br>SA2200SW<br>SA2200SW<br>SA604NW | Modified cylinders and propeller. Aviation Research Systems, Inc.<br>Hammock Aviation<br>Hammock Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Machen, Inc.       |
| H35 | O-470G   | 240 |           |     |  |   |   |   |
|     |          |     | O-470-GCI | 240 |  |   |   | Modified to fuel injection IAW Beech drawing 35-001032  |
|     |          |     |           |     | IO-470N<br>IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer<br>TIO-540-J2BD<br>IO-540-K1A5          | 260<br>285<br>300<br>240<br>350<br>350        | SA2660SW<br>SA2200SW<br>SA2200SW<br>SA1252WE<br>SA604NW<br>SA1773NM               | D'Shannon Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. O-470GCI only. Parts support but no new systems.<br>Machen, Inc.<br>Raineri Ray (likely no longer supported) |
| J35 | IO-470C  | 250 |           |     |  |   |   |   |
|     |          |     | n/a       | n/a |  |   |   |   |
|     |          |     |           |     | IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer<br>470 to 520 cu in<br>TIO-540-J2BD<br>IO-540-K1A5 | 285<br>300<br>250<br>285<br>350<br>350        | SA2200SW<br>SA2200SW<br>SA1252WE<br>SA02363CH<br>SA604NW<br>SA1773NM              | D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470 only Parts support but no new systems<br>Cygnet Aerospace<br>Machen, Inc.<br>Raineri Ray (likely no longer supported)       |
| K35 | IO-470C  | 250 |           |     |  |   |   |   |
|     |          |     | n/a       | n/a |  |   |   |   |

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|     |                 |     |          |     | IO-520B, BA, BB  | 285      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | IO-550B          | 300      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | 470 to 520       | 285      | SA02363CH | Cygnets Aerospace   |
|     |                 |     |          |     | Turbonormalizer  | 250      | SA1252WE  | Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
|     |                 |     |          |     | TIO-540-J2BD     | 350      | SA604NW   | Machen, Inc.  |
|     |                 |     |          |     | IO-540-K1A5      | 350      | SA1773NM  | Raineri Ray (likely no longer supported)                          |
| M35 | IO-470C         | 250 | n/a      | n/a |                  |          |           |   |
|     |                 |     |          |     | IO-520B, BA, BB  | 285      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | IO-550B          | 300      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | Turbonormalizer  | 250      | SA1252WE  | Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
|     |                 |     |          |     | 470 to 520 cu in | 285      | SA02363CH | Cygnets Aerospace   |
|     |                 |     |          |     | TIO-540-J2BD     | 350      | SA604NW   | Machen, Inc.  |
|     |                 |     |          |     | IO-540-K1A5      | 350      | SA1773NM  | Raineri Ray (likely no longer supported)                          |
| N35 | IO-470N         | 260 | n/a      | n/a |                  |          |           |   |
|     |                 |     |          |     | IO-520B, BA, BB  | 285      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | IO-550B          | 300      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | Turbonormalizer  | 260      | SE96SO    | Rayjay Parts, LLC. IO-470N only. Parts support but no new systems |
|     |                 |     |          |     | 470 to 520 cu in | 285      | SA02363CH | Cygnets Aerospace   |
|     |                 |     |          |     | Turbonormalizer  | 260      | SA1252WE  | Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
|     |                 |     |          |     | TIO-540-J2BD     | 350      | SA604NW   | Machen, Inc.  |
|     |                 |     |          |     | IO-540-K1A5      | 350      | SA1773NM  | Raineri Ray (likely no longer supported)                          |
| P35 | IO-470N         | 260 | n/a      | n/a |                  |          |           |   |
|     |                 |     |          |     | IO-520B, BA, BB  | 285      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | IO-550B          | 300      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | Turbonormalizer  | 260      | SE96SO    | Rayjay Parts, LLC. IO-470N only. Parts support but no new systems |
|     |                 |     |          |     | Turbonormalizer  | 260      | SA1252WE  | Rayjay Parts, LLC. IO-470N only. Parts support but no new systems |
|     |                 |     |          |     | Turbonormalizer  | 260      | SE96SO    | Rayjay Parts, LLC. IO-470N only. Parts support but no new systems |
|     |                 |     |          |     | 470 to 520 cu in | 285      | SA02363CH | Cygnets Aerospace   |
|     |                 |     |          |     | TIO-540-J2BD     | 350      | SA604NW   | Machen, Inc.  |
|     |                 |     |          |     | IO-540-K1A5      | 350      | SA1773NM  | Raineri Ray (likely no longer supported)                          |
| S35 | IO-520B, BA     | 285 | IO-520BB | 285 |                  |          |           |   |
|     |                 |     |          |     | IO-550B          | 300      | SA2200SW  | D'Shannon Aviation  |
|     |                 |     |          |     | IO-550B          | 300      | SA1835SO  | Colemill Enterprises  |
|     |                 |     |          |     | Turbonormalizer  | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)                   |
|     |                 |     |          |     | Turbonormalizer  | 285      | SA8676SW  | Western Skyways. IO-520 only                                      |
|     |                 |     |          |     | TSIO-520D        | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems               |
|     |                 |     |          |     | IO-550R          | 310      | SA10145SC | Summit Aviation   |
|     |                 |     |          |     | IOF-550          | 300      | SA10074SC | Teledyne Continental Motors. FADEC                                |
|     |                 |     |          |     | TIO-540-J2BD     | 350      | SA762NW   | Machen, Inc.  |
|     |                 |     |          |     | TIO-540-J2BD     | 350      | SA604NW   | Machen, Inc.  |
|     |                 |     |          |     | IO-540-K1A5      | 350      | SA1773NM  | Raineri Ray (likely no longer supported)                          |
| V35 | IO-520B, BA, BB | 285 |          |     |                  |          |           |   |

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|-------|-----------------|-----|-----------|-----|-----------------|----------|-----------|--|
|       |                 |     | TSIO-520D | 285 |                 |          |           | STC STC SA1035WE factory option sold as V35TC<br>(STC currently owned by Allied Signal Aerospace and is unsupported)   |
|       |                 |     |           |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation   |
|       |                 |     |           |     | IO-550B         | 300      | SA2682NM  | Flightcraft, Inc.  |
|       |                 |     |           |     | IO-550B         | 300      | SA1835SO  | Colemill Enterprises   |
|       |                 |     |           |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)  |
|       |                 |     |           |     | Turbonormalizer | 285, 300 | SA8676SW  | Western Skyways  |
|       |                 |     |           |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems  |
|       |                 |     |           |     | IO-550R         | 310      | SA10145SC | Summit Aviation  |
|       |                 |     |           |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC   |
|       |                 |     |           |     | TIO-540-J2BD    | 350      | SA762NW   | Machen, Inc.   |
|       |                 |     |           |     | TIO-540-J2BD    | 350      | SA604NW   | Machen, Inc.   |
|       |                 |     |           |     | IO-540-K1A5     | 350      | SA1773NM  | Raineri Ray (likely no longer supported)   |
| V35A  | IO-520B, BA, BB | 285 | TSIO-520D | 285 |                 |          |           | STC STC SA1035WE factory option sold as V35A-TC<br>(STC currently owned by Allied Signal Aerospace and is unsupported) |
|       |                 |     |           |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation   |
|       |                 |     |           |     | IO-550B         | 300      | SA2682NM  | Flightcraft, Inc.  |
|       |                 |     |           |     | IO-550B         | 300      | SA1835SO  | Colemill Enterprises   |
|       |                 |     |           |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)  |
|       |                 |     |           |     | Turbonormalizer | 285, 300 | SA8676SW  | Western Skyways  |
|       |                 |     |           |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems  |
|       |                 |     |           |     | IO-550R         | 310      | SA10145SC | Summit Aviation  |
|       |                 |     |           |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC   |
|       |                 |     |           |     | TIO-540-J2BD    | 350      | SA762NW   | Machen, Inc.   |
|       |                 |     |           |     | TIO-540-J2BD    | 350      | SA604NW   | Machen, Inc.   |
|       |                 |     |           |     | IO-540-K1A5     | 350      | SA1773NM  | Raineri Ray (likely no longer supported)   |
| V35B  | IO-520B, BA, BB | 285 | IO-520N   | 285 |                 |          |           | Engine with automatic power control system IAW Beech drawing   |
|       |                 |     | TSIO-520D | 285 |                 |          |           | STC STC SA1035WE factory option sold as V35B-TC<br>(STC currently owned by Allied Signal Aerospace and is unsupported) |
|       |                 |     |           |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation   |
|       |                 |     |           |     | IO-550B         | 300      | SA2682NM  | Flightcraft, Inc.  |
|       |                 |     |           |     | IO-550B         | 300      | SA1835SO  | Colemill Enterprises   |
|       |                 |     |           |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)  |
|       |                 |     |           |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems  |
|       |                 |     |           |     | Turbonormalizer | 285, 300 | SA8676SW  | Western Skyways  |
|       |                 |     |           |     | IO-550R         | 310      | SA10145SC | Summit Aviation  |
|       |                 |     |           |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC   |
|       |                 |     |           |     | TIO-540-J2BD    | 350      | SA762NW   | Machen, Inc.   |
|       |                 |     |           |     | TIO-540-J2BD    | 350      | SA604NW   | Machen, Inc.   |
|       |                 |     |           |     | IO-540-K1A5     | 350      | SA1773NM  | Raineri Ray (likely no longer supported)   |
| 35-33 | IO-470J         | 225 | IO-470K   | 225 |                 |          |           | Requires revision to induction valve engine controls IAW Beech data  |
|       |                 |     |           |     | IO-470C         | 250      | SA09603SC | Hammock Aviation   |
|       |                 |     |           |     | IO-470N         | 260      | SA09603SC | Hammock Aviation   |

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|         |             |     |          |     | IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer  | 285<br>300<br>260  | SA2200SW<br>SA2200SW<br>SA1252WE  | D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
| 35-A33  | IO-470J     | 225 |          |     |  |  |   |   |
|         |             |     | IO-470K  | 225 |  |  |   | Requires revision to induction valve engine controls IAW Beech data   |
|         |             |     |          |     | IO-470C<br>IO-470N<br>IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer  | 250<br>260<br>285<br>300<br>260                                  | SA09603SC<br>SA09603SC<br>SA2200SW<br>SA2200SW<br>SA1252WE  | Hammock Aviation<br>Hammock Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
| 35-B33  | IO-470J     | 225 |          |     |  |  |   |   |
|         |             |     | IO-470K  | 225 |  |  |   | Requires revision to induction valve engine controls IAW Beech data   |
|         |             |     |          |     | IO-470C<br>IO-470N<br>IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer  | 250<br>260<br>285<br>300<br>260                                  | SA09603SC<br>SA09603SC<br>SA2200SW<br>SA2200SW<br>SA1252WE  | Hammock Aviation<br>Hammock Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
| 35-C33  | IO-470K     | 225 |          |     |  |  |   |   |
|         |             |     | n/a      | n/a |  |  |   |   |
|         |             |     |          |     | IO-470C<br>IO-470N<br>IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer  | 250<br>260<br>285<br>300<br>260                                  | SA09603SC<br>SA09603SC<br>SA2200SW<br>SA2200SW<br>SA1252WE  | Hammock Aviation<br>Hammock Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
| 35-C33A | IO-520B, BA | 285 |          |     |  |  |   |   |
|         |             |     | IO-520BB | 285 |  |  |   |   |
|         |             |     |          |     | IO-550B<br>IO-550B<br>Turbonormalizer<br>TSIO-520D<br>IO-550R<br>IO-550B<br>IOF-550<br>IO-550B<br>TIO-540-J2BD | 300<br>300<br>285, 300<br>285<br>310<br>300<br>300<br>300<br>350 | SA2200SW<br>SA1835SO<br>SA5223NM<br>SA2556WE<br>SA10145SC<br>SA09852SC<br>SA10074SC<br>SA09619SC<br>SA762NW | D'Shannon Aviation<br>Colemill Enterprises<br>Engine Technologies, Inc. (Tornado Alley Turbo)<br>Rayjay Parts, LLC. Parts support but no new systems<br>Summit Aviation<br>General Aviation Modifications, Inc.<br>Teledyne Continental Motors. FADEC<br>Hammock Aviation<br>Machen, Inc. |
| E33     | IO-470K     | 225 |          |     |  |  |   |   |
|         |             |     | n/a      | n/a |  |  |   |   |
|         |             |     |          |     | IO-470C<br>IO-470N<br>IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer  | 250<br>260<br>285<br>300<br>260                                  | SA09603SC<br>SA09603SC<br>SA2200SW<br>SA2200SW<br>SA1252WE  | Hammock Aviation<br>Hammock Aviation<br>D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470 only Parts support but no new systems   |
| E33A    | IO-520B, BA | 285 |          |     |  |  |   |   |
|         |             |     | IO-520BB | 285 |  |  |   |   |
|         |             |     |          |     | IO-550B<br>IO-550B   | 300<br>300   | SA2200SW<br>SA1835SO  | D'Shannon Aviation<br>Colemill Enterprises  |

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|      |             |     |          |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)                 |
|      |             |     |          |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems             |
|      |             |     |          |     | IO-550R         | 310      | SA10145SC | Summit Aviation   |
|      |             |     |          |     | IO-550B         | 300      | SA09852SC | General Aviation Modifications, Inc.                            |
|      |             |     |          |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC                              |
|      |             |     |          |     | TIO-540-J2BD    | 350      | SA762NW   | Machen, Inc.  |
| E33C | IO-520B, BA | 285 |          |     |                 |          |           |   |
|      |             |     | IO-520BB | 285 |                 |          |           |   |
|      |             |     |          |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation  |
|      |             |     |          |     | IO-550B         | 300      | SA1835SO  | Colemill Enterprises  |
|      |             |     |          |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)                 |
|      |             |     |          |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems             |
|      |             |     |          |     | IO-550R         | 310      | SA10145SC | Summit Aviation   |
|      |             |     |          |     | IO-550B         | 300      | SA09852SC | General Aviation Modifications, Inc.                            |
|      |             |     |          |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC                              |
|      |             |     |          |     | IO-550B         | 300      | SA09619SC | Hammock Aviation  |
|      |             |     |          |     | TIO-540-J2BD    | 350      | SA762NW   | Machen, Inc.  |
| F33  | IO-470K     | 225 |          |     |                 |          |           |   |
|      |             |     | n/a      | n/a |                 |          |           |   |
|      |             |     |          |     | IO-470C         | 250      | SA09603SC | Hammock Aviation  |
|      |             |     |          |     | IO-470N         | 260      | SA09603SC | Hammock Aviation  |
|      |             |     |          |     | IO-520B, BA, BB | 285      | SA2200SW  | D'Shannon Aviation  |
|      |             |     |          |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation  |
|      |             |     |          |     | Turbonormalizer | 260      | SA1252WE  | Rayjay Parts, LLC. IO-470 only Parts support but no new systems |
| F33A | IO-520B, BA | 285 |          |     |                 |          |           |   |
|      |             |     | IO-520BB | 285 |                 |          |           |   |
|      |             |     |          |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation  |
|      |             |     |          |     | IO-550B         | 300      | SA2682NM  | Flightcraft, Inc.   |
|      |             |     |          |     | IO-550B         | 300      | SA1835SO  | Colemill Enterprises  |
|      |             |     |          |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)                 |
|      |             |     |          |     | Turbonormalizer | 285, 300 | SA8676SW  | Western Skyways   |
|      |             |     |          |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems             |
|      |             |     |          |     | IO-550R         | 310      | SA10145SC | Summit Aviation   |
|      |             |     |          |     | IO-550B         | 300      | SA09852SC | General Aviation Modifications, Inc.                            |
|      |             |     |          |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC                              |
|      |             |     |          |     | IO-550B         | 300      | SA09619SC | Hammock Aviation  |
|      |             |     |          |     | TIO-540-J2BD    | 350      | SA762NW   | Machen, Inc.  |
| F33C | IO-520B, BA | 285 |          |     |                 |          |           |   |
|      |             |     | IO-520BB | 285 |                 |          |           |   |
|      |             |     |          |     | IO-550B         | 300      | SA2200SW  | D'Shannon Aviation  |
|      |             |     |          |     | IO-550B         | 300      | SA1835SO  | Colemill Enterprises  |
|      |             |     |          |     | Turbonormalizer | 285, 300 | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)                 |
|      |             |     |          |     | TSIO-520D       | 285      | SA2556WE  | Rayjay Parts, LLC. Parts support but no new systems             |
|      |             |     |          |     | IO-550R         | 310      | SA10145SC | Summit Aviation   |
|      |             |     |          |     | IO-550B         | 300      | SA09852SC | General Aviation Modifications, Inc.                            |
|      |             |     |          |     | IOF-550         | 300      | SA10074SC | Teledyne Continental Motors. FADEC                              |

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|-------|---------------|-----|----------|-----|---|--|---|--|
|       |               |     |          |     | IO-550B<br>TIO-540-J2BD   | 300<br>350   | SA09619SC<br>SA762NW  | Hammock Aviation<br>Machen, Inc.   |
| G33   | IO-470N       | 260 | n/a      | n/a |   |  |   |  |
|       |               |     |          |     | IO-520B, BA, BB<br>IO-550B<br>Turbonormalizer<br>470 to 520 cu in<br>IO-550B<br>IO-550B   | 285<br>300<br>260<br>285<br>300<br>300                                       | SA2200SW<br>SA2200SW<br>SE96SO<br>SA02363CH<br>SA09852SC<br>SA09619SC   | D'Shannon Aviation<br>D'Shannon Aviation<br>Rayjay Parts, LLC. IO-470N only. Parts support but no new systems<br>Cygnet Aerospace<br>General Aviation Modifications, Inc.<br>Hammock Aviation  |
| 36    | IO-520B, BA   | 285 | IO-520BB | 285 |   |  |   |  |
|       |               |     |          |     | IO-550B<br>IO-550B<br>IO-550B<br>Turbonormalizer<br>Turbonormalizer<br>IO-550R<br>IO-550B<br>IOF-550<br>TSIO-520D<br>TIO-540-J2BD | 300<br>300<br>300<br>285, 300<br>285, 300<br>310<br>300<br>300<br>285<br>350 | SA2200SW<br>SA2682NM<br>SA1835SO<br>SA5223NM<br>SA8676SW<br>SA10145SC<br>SA09852SC<br>SA10074SC<br>SA994NW<br>SA762NW | D'Shannon Aviation<br>Flightcraft, Inc.<br>Colemill Enterprises<br>Engine Technologies, Inc. (Tornado Alley Turbo)<br>Western Skyways<br>Summit Aviation<br>General Aviation Modifications, Inc.<br>Teledyne Continental Motors. FADEC<br>Flightcraft, Inc.<br>Machen, Inc.  |
| A36*  | IO-520B, BA   | 285 | IO-520BB | 285 |   |  |   | *E-185 through E-2110 except E-1946, E-2104<br>Standard E-1371 and after   |
|       |               |     |          |     | IO-550B<br>IO-550B<br>IO-550B<br>Turbonormalizer<br>Turbonormalizer<br>IO-550R<br>IO-550B<br>IOF-550<br>TSIO-520D<br>TIO-540-J2BD | 300<br>300<br>300<br>285, 300<br>285, 300<br>310<br>300<br>300<br>285<br>350 | SA2200SW<br>SA2682NM<br>SA1835SO<br>SA5223NM<br>SA8676SW<br>SA10145SC<br>SA09852SC<br>SA10074SC<br>SA994NW<br>SA762NW | D'Shannon Aviation<br>Flightcraft, Inc.<br>Colemill Enterprises<br>Engine Technologies, Inc. (Tornado Alley Turbo)<br>Western Skyways.<br>Summit Aviation<br>General Aviation Modifications, Inc.<br>Teledyne Continental Motors. FADEC<br>Flightcraft, Inc.<br>Machen, Inc. |
| A36** | IO-550B       | 300 | n/a      | n/a |   |  |   | **E-1946, 2104, E-2111 and after   |
|       |               |     |          |     | Turbonormalizer<br>Turbonormalizer<br>IO-550R<br>IOF-550<br>TIO-540-J2BD  | 300<br>300<br>310<br>300<br>350  | SA5223NM<br>SA8676SW<br>SA10145SC<br>SA10074SC<br>SA762NW   | Engine Technologies, Inc. (Tornado Alley Turbo)<br>Western Skyways.<br>Summit Aviation<br>Teledyne Continental Motors. FADEC<br>Machen, Inc.   |
| A36TC | TSIO-520U, UB | 300 | n/a      | n/a |   |  |   | TSIO-520UB EA-2 and after  |
|       |               |     |          |     | IO-550B + TN  | 300  | SA5223NM  | Engine Technologies, Inc. (Tornado Alley Turbo)  |
| B36TC | TSIO-520UB    | 300 | n/a      | n/a |   |  |   |  |

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|-----|---------|-----|-----|-----|----------------------------|------------|-----------------------|--|
|     |         |     |     |     | IO-550B + TN               | 300        | SA5223NM              | Engine Technologies, Inc. (Tornado Alley Turbo)  |
| G36 | IO-550B | 300 | n/a | n/a |                            |            |                       |  |
|     |         |     |     |     | IO-550R<br>Turbonormalizer | 310<br>300 | SA10145SC<br>SA5223NM | Summit Aviation<br>Engine Technologies, Inc. (Tornado Alley Turbo)<br>G36 not listed in FAA STC database. Applicability confirmed by STC holder. |

See TCDS for specific requirements and limitations for TCDS optional engines

See STC and/or STC Pilot's Operating Handbook STC Supplement for requirements and limitations for STC'd engines

### Optional engines coming soon

| Model  | Standard Engine | HP (max) | Optional by TCDS |          | Approved by STC  |          |           | STC holder/notes                       |
|--------|-----------------|----------|------------------|----------|------------------|----------|-----------|--|
|        |                 |          | Engine           | HP (max) | Engine           | HP (max) | STC #     |  |
| 95     | O-360-A1A       | 180      |                  |          |                  |          |           |  |
| B95    | O-360-A1A       | 180      |                  |          |                  |          |           |  |
| B95A   | IO-360-B1A      | 180      |                  |          |                  |          |           |  |
| D95A   | IO-360-B1B      | 180      |                  |          |                  |          |           |  |
| E95    | IO-360-B1B      | 180      |                  |          |                  |          |           |  |
| 95-55  | IO-470L         | 260      |                  |          | 470 to 520 cu in | 285      | SA02262CH | Cygnit Aerospace                       |
| 95-A55 | IO-470L         | 260      |                  |          | 470 to 520 cu in | 285      | SA02262CH | Cygnit Aerospace                       |
| 95-B55 | IO-470L         | 260      |                  |          | 470 to 520 cu in | 285      | SA02262CH | Cygnit Aerospace                       |
| 95.C55 | IO-520C         | 285      |                  |          |                  |          |           |  |
| 95-D55 | IO-520C         | 285      |                  |          |                  |          |           |  |
| E55    | IO-520C         | 285      |                  |          |                  |          |           |  |
| 56TC   | TIO-541-E1B4    | 380      |                  |          |                  |          |           |  |
| A56TC  | TIO-541-E1B4    | 380      |                  |          |                  |          |           |  |
| 58***  | IO-520C         | 285      |                  |          |                  |          |           | ***TH-1 through TH-1395 except TH-1389 |
| 58**** | IO-550C         | 300      |                  |          |                  |          |           | ****TH-1389, TH-1396 through TH-2124   |
| G58    | IO-550C         | 300      |                  |          |                  |          |           |  |
| 58TC°  | TSIO-520L       | 310      |                  |          |                  |          |           | °TK-1 through TK-84                    |
| 58TC°° | TSIO-520WB      | 325      |                  |          |                  |          |           | °°TK-84 and after                      |
| 58P°°° | TSIO-520L       | 310      |                  |          |                  |          |           | °°°TJ-1 through TJ-168                 |

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|                    |           |     |  |                                 |
|--------------------|-----------|-----|--|---------------------------------|
| 58P <sup>***</sup> | TSIO-520L | 325 |  | <sup>***</sup> TJ-169 and after |
|--------------------|-----------|-----|--|---------------------------------|

See TCDS for specific requirements and limitations for TCDS optional engines

See STC and/or STC Pilot's Operating Handbook STC Supplement for requirements and limitations for STC'd engines

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