



www.masterkit.com
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Avda. Doctor Federico Rubio, 51.
28039 Madrid

Avioneta z0538

Producto nº

538

Premolded Airframe Composite Parts

Wing - Top/Bottom, Left/Right Skins

Flaps - Top/Bottom, Left/Right

Ailerons - Top/Bottom, Left/Right

Horizontal Stabilizer - Top/Bottom Skins

Elevator - Top/Bottom, Left/Right Skins

Fuselage - Top/Bottom

Forward/Aft Spar Shear Panels

Wing Tips/Wing Tip Mounts

Fuel Vents

Vertical Stabilizer - Left/Right Skins

NACA Scoop

Rudder - Left/Right Skins

Wing Fillets/Fairings

Instrument Panel w/Aluminum Inserts

Dust Cover

Cabin Door, Stiffener and Frame

Prepreg Panels

Baggage Access Door

Rear Inspection Cover

Overhead Air Console

Cowl, Top/Bottom

Landing Gear Systems

Main/Nose Gear Actuation System

Hydraulic Powerpack/Reservoir

Hydraulic Lines/Fittings

Gear Electrical System

Emergency Gear Down System

Main/Nose Gear Door System

Rudder Control Steering/Braking Systems

Cleveland Wheels and Brakes

Master and Slave Brake Cylinders

Hydraulic Reservoir System

Rudder Bar and Pedal System

Rudder Trim Tab System

Brake Lines and Fittings

Aileron/Elevator/Control Stick Systems

Control Horns/Bellcranks/Pushrods/Torque Tubes

Control Stick Dual Assembly

Trim Tab Systems

Flap Control System

Control Horns and Bellcranks and Pushrods

Flap Hydraulic System

Flight Trim Systems

Electric Trim Actuators/Controls and Enunciators

Fuel System

Fuel Selector Valve

Fuel Drains/Fuel Lines and Fittings

Pressurization System*

Controller and Outflow Valve*

Pop-Off Valve*

Pressure Bulkhead*

Boots, Lines and Fittings*

Electric Door Pump/Inflatable Seal*

Pitot/Static System

Heated Pitot Tube



Model: Lancair IV

ENGINE: Cont. TSIO-550-E

HORSEPOWER: 350 h.p. @ 2700 rpm

PROPELLER: 3 blade constant speed

LENGTH: 25 ft

HEIGHT 8 ft

WINGSPAN 30.2 ft

WING AREA 98 sq ft

WING LOADING: 32.7 lbs/sq ft

ASPECT RATIO: 9.1

POWER LOADING 9.1 lbs/hp

G LOADING (Utility) +4.4, -2.3

EMPTY WEIGHT 2000 lbs

GROSS WEIGHT (Max T/O) 3200 lbs

WHEEL BASE 74 in

WHEEL TRACK 84 in

FUEL CAPACITY 90 gallons (extended)

USEFUL LOAD 1200 lbs

BAGGAGE CAPACITY 150 lbs (maximum)

CABIN WIDTH 46 in. front/43 in. rear

CABIN HEIGHT 48 in

CABIN LENGTH 126 in

SEATS 4 conventional

CRUISE TYPICAL 335 mph @ 24,000 ft

STALL SPEED (Dirty) 75 mph

SERVICE CEILING 29,000 ft

TAKEOFF DISTANCE 1500 ft. ground roll

LANDING DISTANCE 1700 ft. ground roll

CROSS WIND LANDING

Component 21 mph

FUEL CONSUMPTION @ 75% 17.8 gph

MAXIMUM RANGE 1450 sm (no reserve)

RATE OF CLIMB 2600 fpm

Model: Lancair IV-P

ENGINE: Cont. TSIO-550-E

HORSEPOWER: 350 h.p. @ 2700

Static Port, Lines and Fittings
Cabin Systems
Overhead Ventilation Blower*
Cabin Door Latch System w/Lock
Baggage Door Latch System w/Lock
Front Seat Frames, Pans, Tracks
Seat Belts/Shoulder Harnesses
Standard Airframe Hardware
Windshield and Windows
Screws, Fittings, Washers, Nuts, Bolts,
Rivets, Nutplates, Cotter Pins, Rod
Ends, Rod End Bearings, Spacers,
Clamps and Bushings
Various Installation Hardware
Assembly Supplies
Construction Manual and Blueprints
Graphite Cloth/Fiberglass Cloth
Flox/Micro Balloons
Mixing Cups and Mixing Sticks
Stippling Brushes
Insta-Cure and Insta-Set
Epoxy Resin and Hardener
Structural Adhesive
Latex Neoprene
Flight Degreaser

Supplies and Tools Needed for Building a Kitplane

Epoxy Pump
 3" wide roller
 Pop rivet squeezer
 Digital "Smart" level
 Pumb bob
 Makita type cordless electric drill/driver
 Numbered drill bits
 12" steel ruler marked in 10ths
 25' tape measurer
 Nico press squeezer
 25# lead shot bags (30 needed)
 Countersink bit
 Tubing cutter
 Dremel tool
 Paper towels
 4-1/2" Black & Decker type grinder
 180-400 grit sandpaper, orbital discs
 Acetone
 Respirator w/ organic vapor cartridges
 Safety goggles
 Disposable ear plugs
 Leather gloves
 Rotary blade for cutting E-glass
 Hand rivet squeezer
 Cleco pliers and clecoes
 2' and 4' bubble type levels

rpm
PROPELLER: 3 blade constant
speed
LENGTH: 25 ft
HEIGHT 8 ft
WINGSPAN 30.2 ft
WING AREA 98 sq ft
WING LOADING: 32.7 lbs/sq ft
ASPECT RATIO: 9.1
POWER LOADING 9.1 lbs/hp
G LOADING (Utility) +4.4, -2.3
EMPTY WEIGHT 2200 lbs
GROSS WEIGHT (Max T/O) 3200
lbs
WHEEL BASE 74 in
WHEEL TRACK 84 in
FUEL CAPACITY 90 gallons
(extended)
USEFUL LOAD 1000 lbs
BAGGAGE CAPACITY 150 lbs
(maximum)
CABIN WIDTH 46 in. front/43 in.
rear
CABIN HEIGHT 48 in
CABIN LENGTH 126 in
SEATS 4 conventional
CRUISE TYPICAL 335 mph @
24,000 ft
STALL SPEED (Dirty) 75 mph
SERVICE CEILING 29,000 ft
TAKEOFF DISTANCE 1500 ft.
ground roll
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ground roll
CROSS WIND LANDING
Component 21 mph
FUEL CONSUMPTION @ 75% 17.8
gph
MAXIMUM RANGE 1450 sm (no
reserve)
RATE OF CLIMB 2600 fpm

Airframe Components and Systems

IV & IV-P
Kit completo

Ref.: 83 - 538 - 2749

PVP	1,00 €
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666

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Answer: The builder must supply the engine, prop, instruments, avionics, upholstery and paint. Most of these items are available new from Van's at very competitive prices.

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SPECIFICATIONS

Span: 19' 11"
Length: 19' 0"
Height: 5' 0"
Wing Area (sq. ft): 90
Empty Weight (lbs.): 703-750
Gross Weight (lbs.): 1100
Wing Loading (lb/ sq. ft): 12.22
Power Loading (lb/hp): 11.0 - 6.9
Fuel (US gallons): 30
Baggage (lbs, max.): 30
Prop type: Fixed or C/S
Engines (hp): 100-160

PERFORMANCE

Engine (hp): 150
Top Speed (gross)
(all speeds in statute mph): 207
Cruise (75% @ 8000'): 196
Cruise (55% @ 8000'): 176
Stall speed (gross weight): 51
Takeoff Distance
(ft, solo weight): —
Takeoff Distance
(ft, gross weight): 300
Landing Distance
(ft, solo weight): —
Landing Distance
(ft, gross weight): 350
Rate of Climb
(ft/min, solo weight): —
Ceiling (solo weight): —
Rate of Climb
(ft/min, gross weight): 2050
Ceiling (gross weight): 23,500
Range
(statute miles, 75% @ 8000'): 595
Range
(statute miles, 55% @ 8000'): 715

Building an RV - Required Tools

Many pilots and prospective airplane builders are unfamiliar with the construction method and tools used in building metal airplanes. This is strange in a way, because the vast majority of the airplanes built in the last fifty years are made of riveted aluminum. While riveting may initially seem a mystery, it is really very simple.

Handling tools and doing quality work is not difficult. Some practice always helps, so a bundle of trimmings is included in the kit, along with enough extra rivets that the new build can rivet away and convince him or herself that it isn't all that hard. Remember, the reason there are so many riveted aluminum airplanes in the world is that ordinary people in ordinary circumstances can do an acceptable (or better) job.

While Van's stocks a few tools as a convenience to this customers (please see the Accessories Catalog module), we are not tool specialists. Below we have included the list recommended tools for construction of an RV. You should plan on spending between \$10 and \$1500 for a complete set of tools. We have also provided a partial listing of tools suppliers who can provide information on tools/tool kits, and provide advice about tools.

Recommended Tools

2X or 3X Rivet Gun
E-Z Change Spring
Air Swivel Regulator
1" Dia. Mushroom Set
3/32" Cupped Set 3.5"
1/8" Cupped Set 3.5"
3/16" Cupped Set 3.5" (only for fabricating spar)
Double Offset Cupped Set
Mini Bucking Bar 1 lb.
Anvil Bucking Bar 1.9 lb.
Footed Bucking Bar 2.2 lb.
Microstop Countersink Unit
#40 Countersink - 3/32" Rivet
#30 Countersink - 1/8" Rivet
#8 Countersink - #8 Screw
#10 Countersink - #10 Screw
Wiss Snips Left & Straight
Wiss Snips Right & Straight
Air Drill
#40 Drill Bits (for 3/32" rivets)
#30 Drill Bits (for 1/8" rivets)
#19 Drill Bit
#12 Drill Bit
12" #40 Drill Bit
12" #30 Drill Bit
4" Hex Shank Deburr Tool
Cleco Pliers
4 Cleco Clamps -1/2" Jaws
4 Cleco Clamps -1" Jaws
Swivel Head Pop Rivet Tool
2 Screwdriver Bits - Size #2
Hand Squeezer / 3" Yoke
1/8" Universal Cupped Set
3/16" Universal Cupped Set
Flat Set 1/2" x 1/8"
Flat Set 3/8" x 1/8"
3/32" Rivet Dimple Die
1/8" Rivet Dimple Die
#8 ScrewDimple Die
24" Stainless Rule
Unibit 1/4" - 3/4" by 1/16 ths
Permanent Markers
3M Cut & Polishing Wheel 6"
Hearing Protector
Safety Glasses
325 Cleco Fastners - 3/32"
175 Cleco Fastners - 1/8"
Deburring Set - Large Holes
Edge Deburring Bit
Fluting Pliers
Rivet Cutter
Air Tool Oil

File Card / Brush
10" Vixen File
C-Frame Riveting Tool
Optional Tools

#6 Countersink - #6 Screw
Drill Stop Set of 4
Angle Drill Attachment
Cordless Screwdriver (for deburring)
Threaded Drill Set 6 pc.
Back Rivet Set
Dimple Die Organizer
Removable Rivet Tape
Tape Dispenser
12 oz. Dead Blow Hammer

RV3
Kit completo

Ref.: **83 - 666 - 2720**

PVP	1,00 €
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Producto nº

667

Making the Decision - FAQ

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RVs have been built by people of every imaginable background and skill level, and currently are being completed and flown at the rate of about one per day. It is a "doable" thing.

Question: How long does it take to build an RV?

Answer: Based on reports from completed projects, we estimate current Standard Kits will take 1200-1400 hthiss over 18-24 months. A QuickBuild Kit may cut this by 35% or even more. Actual completion times range from 70 days for a QuickBuild R to well over 20 years for some early RV-3s and RV-4s. Some of the first kits Van's are not finished yet, but we never give up hope.

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SPECIFICATIONS

Span 23' 0"
 Length 20' 4"
 Height 5' 5"
 Wing Area (sq. ft) 110
 Empty Weight (lbs.) 905-913
 Gross Weight (lbs.) 1500
 Wing Loading (lb/ sq. ft) 13.64
 Power Loading (lb/hp) 10.0-8.33
 Fuel (US gallons) 32
 Baggage (lbs, max.) 50
 Prop type Fixed or C/S
 Engines (hp) 150-180
PERFORMANCE RV-4
 Engine (hp) 160
 Top Speed (gross)
 (all speeds in statute mph) 204
 Cruise (75% @ 8000') 192
 Cruise (55% @ 8000') 173
 Stall speed (gross weight) 54
 Takeoff Distance
 (ft, solo weight) 300
 Takeoff Distance
 (ft, gross weight) 450
 Landing Distance
 (ft, solo weight) 300
 Landing Distance
 (ft, gross weight) 425
 Rate of Climb
 (ft/min, solo weight) 2050
 Ceiling (solo weight) 24,000
 Rate of Climb
 (ft/min, gross weight) 1650
 Ceiling (gross weight) 19,500
 Range
 (statute miles, 75% @ 8000') 640
 Range
 (statute miles, 55% @ 8000') 790

Building an RV - Required Tools

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1/8" Cupped Set 3.5"
3/16" Cupped Set 3.5" (only for fabricating spar)
Double Offset Cupped Set
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Anvil Bucking Bar 1.9 lb.
Footed Bucking Bar 2.2 lb.
Microstop Countersink Unit
#40 Countersink - 3/32" Rivet
#30 Countersink - 1/8" Rivet
#8 Countersink - #8 Screw
#10 Countersink - #10 Screw
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Wiss Snips Right & Straight
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#30 Drill Bits (for 1/8" rivets)
#19 Drill Bit
#12 Drill Bit
12" #40 Drill Bit
12" #30 Drill Bit
4" Hex Shank Deburr Tool
Cleco Pliers
4 Cleco Clamps -1/2" Jaws
4 Cleco Clamps -1" Jaws
Swivel Head Pop Rivet Tool
2 Screwdriver Bits - Size #2
Hand Squeezer / 3" Yoke
1/8" Universal Cupped Set
3/16" Universal Cupped Set
Flat Set 1/2" x 1/8"
Flat Set 3/8" x 1/8"
3/32" Rivet Dimple Die
1/8" Rivet Dimple Die
#8 ScrewDimple Die
24" Stainless Rule
Unibit 1/4" - 3/4" by 1/16 ths
Permanent Markers
3M Cut & Polishing Wheel 6"
Hearing Protector
Safety Glasses
325 Cleco Fastners - 3/32"
175 Cleco Fastners - 1/8"
Deburring Set - Large Holes
Edge Deburring Bit
Fluting Pliers
Rivet Cutter
Air Tool Oil

File Card / Brush
10" Vixen File
C-Frame Riveting Tool
Optional Tools

#6 Countersink - #6 Screw
Drill Stop Set of 4
Angle Drill Attachment
Cordless Screwdriver (for deburring)
Threaded Drill Set 6 pc.
Back Rivet Set
Dimple Die Organizer
Removable Rivet Tape
Tape Dispenser
12 oz. Dead Blow Hammer

RV-4
Kit completo

Ref.: **83 - 667 - 2721**

PVP	1,00 €
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Avioneta z0668

Producto nº

668

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Span 23' 0"
Length 19' 11"
Height 5' 3"
Wing Area (sq. ft) 110
Empty Weight (lbs.) 965
Gross Weight (lbs.) 1600
Wing Loading (lb/ sq. ft) 14.56
Power Loading (lb/hp) 10.0
Fuel (US gallons) 38
Baggage (lbs, max.) 60
Prop type Fixed or C/S
Engines (hp) 150-180
PERFORMANCE RV-6
Engine (hp) 160
Top Speed (gross)
(all speeds in statute mph) 201
Cruise (75% @ 8000') 190
Cruise (55% @ 8000') 171
Stall speed (gross weight) 55
Takeoff Distance
(ft, solo weight) 300
Takeoff Distance
(ft, gross weight) 535
Landing Distance
(ft, solo weight) 300
Landing Distance
(ft, gross weight) 500
Rate of Climb
(ft/min, solo weight) 1900
Ceiling (solo weight) 21,500
Rate of Climb
(ft/min, gross weight) 1500
Ceiling (gross weight) 17,400
Range
(statute miles, 75% @ 8000') 775
Range
(statute miles, 55% @ 8000') 950

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#19 Drill Bit
#12 Drill Bit
12" #40 Drill Bit
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4 Cleco Clamps -1/2" Jaws
4 Cleco Clamps -1" Jaws
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Hand Squeezer / 3" Yoke
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3/16" Universal Cupped Set
Flat Set 1/2" x 1/8"
Flat Set 3/8" x 1/8"
3/32" Rivet Dimple Die
1/8" Rivet Dimple Die
#8 ScrewDimple Die
24" Stainless Rule
Unibit 1/4" - 3/4" by 1/16 ths
Permanent Markers
3M Cut & Polishing Wheel 6"
Hearing Protector
Safety Glasses
325 Cleco Fasteners - 3/32"
175 Cleco Fasteners - 1/8"
Deburring Set - Large Holes
Edge Deburring Bit
Fluting Pliers
Rivet Cutter
Air Tool Oil
File Card / Brush

10" Vixen File
C-Frame Riveting Tool
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Threaded Drill Set 6 pc.
Back Rivet Set
Dimple Die Organizer
Removable Rivet Tape
Tape Dispenser
12 oz. Dead Blow Hammer

RV-6
Kit completo

Ref.: **83 - 668 - 2723**

PVP	1,00 €
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Avda. Doctor Federico Rubio, 51.
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Avioneta z0669

Producto nº

669

Making the Decision - FAQ

Question: What does it take to build an RV – really?

Answer: Virtually no skill is required, as everything a builder needs to know to successfully complete an RV can be learned "on the job," or by carefully studying builders manual, or by seeking advise from other RV builders, either local or on-l

Amore important requirement than skill is the right frame of mind. Building an airplane requires dedication, commitment, a willingness to learn and the ability to make (and correct) the occasional mistake without throwing a frothing fit or suffer an ulcer. Experienced builders gently counsel people whose personalities demand absolute perfection and microscopic accuracy to seek another project.

RVs have been built by people of every imaginable background and skill level, and currently are being completed and flown at the rate of about one per day. It is a "doable" thing.

Question: How long does it take to build an RV?

Answer: Based on reports from completed projects, we estimate current Standard Kits will take 1200-1400 hthiss over 18-24 months. A QuickBuild Kit may cut this by 35% or even more. Actual completion times range from 70 days for a QuickBuild R to well over 20 years for some early RV-3s and RV-4s. Some of the first kits Van's are not finished yet, but we never give up hope.

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Question: How much does it cost to build an RV?

Answer: In 2003, it is still possible to build a simple VFR equipped RV with a used engine from a standard kit for less than \$35,000. If you find a good deal on an engine and forgo expensive items like a professional paint job and lighting, it could be a bit less. However, this number will vary drastically depending on configuration. An estimate based on your needs and desires, please see the Aircraft Cost Estimation page.

Question: In addition the airframe kit, what else is required to fly?

Answer: The builder must supply the engine, prop, instruments, avionics, upholstery and paint. Most of these items are available new from Van's at very competitive prices.

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SPECIFICATIONS

Span: 23' 0"
 Length 19' 9"
 Height 6' 8"
 Wing Area (sq. ft) 110
 Empty Weight (lbs.) 985
 Gross Weight (lbs.) 1650
 Wing Loading (lb/ sq. ft) 15.00
 Power Loading (lb/hp) 10.3
 Fuel (US gallons) 38
 Baggage (lbs, max.) 60
 Prop type Fixed or C/S
 Engines (hp) 150-180
PERFORMANCE RV-6A
 Engine (hp) 160
 Top Speed (gross)
 (all speeds in statute mph) 199
 Cruise (75% @ 8000') 188
 Cruise (55% @ 8000') 169
 Stall speed (gross weight) 55
 Takeoff Distance
 (ft, solo weight) 300
 Takeoff Distance
 (ft, gross weight) 535
 Landing Distance
 (ft, solo weight) 300
 Landing Distance
 (ft, gross weight) 500
 Rate of Climb
 (ft/min, solo weight) 1850
 Ceiling (solo weight) 20,500
 Rate of Climb
 (ft/min, gross weight) 1450
 Ceiling (gross weight) 16,300
 Range
 (statute miles, 75% @ 8000') 760
 Range
 (statute miles, 55% @ 8000') 875

Building an RV - Required Tools

Many pilots and prospective airplane builders are unfamiliar with the construction method and tools used in building metal airplanes. This is strange in a way, because the vast majority of the airplanes built in the last fifty years are made of riveted aluminum. While riveting may initially seem a mystery, it is really very simple.

Handling tools and doing quality work is not difficult. Some practice always helps, so a bundle of trimmings is included in the kit, along with enough extra rivets that the new build can rivet away and convince him or herself that it isn't all that hard. Remember, the reason there are so many riveted aluminum airplanes in the world is that ordinary people in ordinary circumstances can do an acceptable (or better) job.

While Van's stocks a few tools as a convenience to this customers (please see the Accessories Catalog module), we are not tool specialists. Below we have included the list recommended tools for construction of an RV. You should plan on spending between \$10 and \$1500 for a complete set of tools. We have also provided a partial listing of tools suppliers who can provide information on tools/tool kits, and provide advice about tools.

Recommended Tools

- 2X or 3X Rivet Gun**
- E-Z Change Spring**
- Air Swivel Regulator**
- 1" Dia. Mushroom Set**
- 3/32" Cupped Set 3.5"**
- 1/8" Cupped Set 3.5"**
- 3/16" Cupped Set 3.5" (only for fabricating spar)**
- Double Offset Cupped Set**
- Mini Bucking Bar 1 lb.**
- Anvil Bucking Bar 1.9 lb.**
- Footed Bucking Bar 2.2 lb.**
- Microstop Countersink Unit**
- #40 Countersink - 3/32" Rivet**
- #30 Countersink - 1/8" Rivet**
- #8 Countersink - #8 Screw**
- #10 Countersink - #10 Screw**
- Wiss Snips Left & Straight**
- Wiss Snips Right & Straight**
- Air Drill**
- #40 Drill Bits (for 3/32" rivets)**
- #30 Drill Bits (for 1/8" rivets)**
- #19 Drill Bit**
- #12 Drill Bit**
- 12" #40 Drill Bit**
- 12" #30 Drill Bit**
- 4" Hex Shank Deburr Tool**
- Cleco Pliers**
- 4 Cleco Clamps -1/2" Jaws**
- 4 Cleco Clamps -1" Jaws**
- Swivel Head Pop Rivet Tool**
- 2 Screwdriver Bits - Size #2**
- Hand Squeezer / 3" Yoke**
- 1/8" Universal Cupped Set**
- 3/16" Universal Cupped Set**
- Flat Set 1/2" x 1/8"**
- Flat Set 3/8" x 1/8"**
- 3/32" Rivet Dimple Die**
- 1/8" Rivet Dimple Die**
- #8 ScrewDimple Die**
- 24" Stainless Rule**
- Unibit 1/4" - 3/4" by 1/16 ths**
- Permanent Markers**
- 3M Cut & Polishing Wheel 6"**
- Hearing Protector**
- Safety Glasses**
- 325 Cleco Fastners - 3/32"**
- 175 Cleco Fastners - 1/8"**
- Deburring Set - Large Holes**
- Edge Deburring Bit**
- Fluting Pliers**
- Rivet Cutter**
- Air Tool Oil**

File Card / Brush
10" Vixen File
C-Frame Riveting Tool
Optional Tools

#6 Countersink - #6 Screw
Drill Stop Set of 4
Angle Drill Attachment
Cordless Screwdriver (for deburring)
Threaded Drill Set 6 pc.
Back Rivet Set
Dimple Die Organizer
Removable Rivet Tape
Tape Dispenser
12 oz. Dead Blow Hammer

RV-6A
Kit completo

Ref.: **83 - 669 - 2724**

PVP	1,00 €
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Avioneta z0670

Producto nº

670

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RVs have been built by people of every imaginable background and skill level, and currently are being completed and flown at the rate of about one per day. It is a "doable" thing.

Question: How long does it take to build an RV?

Answer: Based on reports from completed projects, we estimate current Standard Kits will take 1200-1400 hthiss over 18-24 months. A QuickBuild Kit may cut this by 35% or even more. Actual completion times range from 70 days for a QuickBuild R to well over 20 years for some early RV-3s and RV-4s. Some of the first kits Van's are not finished yet, but we never give up hope.

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SPECIFICATIONS

Span 25' 0"
Length 20' 4"
Height 5' 10"
Wing Area (sq. ft) 121
Empty Weight (lbs.) 1061-1114
Gross Weight (lbs.) 1800
Wing Loading (lb/ sq. ft) 14.8
Power Loading (lb/hp) 12.0-9.0
Fuel (US gallons) 42
Baggage (lbs, max.) 100
Prop type Fixed or C/S
Engines (hp) 150-200
PERFORMANCE RV-7
Engine (hp) 180
Top Speed (gross)
(all speeds in statute mph) 209
Cruise (75% @ 8000') 199
Cruise (55% @ 8000') 179
Stall speed (gross weight) 58
Takeoff Distance
(ft, solo weight) 275
Takeoff Distance
(ft, gross weight) 575
Landing Distance
(ft, solo weight) 350
Landing Distance
(ft, gross weight) 500
Rate of Climb
(ft/min, solo weight) 2,200
Ceiling (solo weight) 23,000
Rate of Climb
(ft/min, gross weight) 1650
Ceiling (gross weight) 20,500
Range
(statute miles, 75% @ 8000') 775
Range
(statute miles, 55% @ 8000') 950

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Threaded Drill Set 6 pc.
Back Rivet Set
Dimple Die Organizer
Removable Rivet Tape
Tape Dispenser
12 oz. Dead Blow Hammer

RV-7
Kit completo

Ref.: **83 - 670 - 2725**

PVP	1,00 €
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Fuel (US gallons) 42
Baggage (lbs, max.) 100
Prop type Fixed or C/S
Engines (hp) 150-200
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Engine (hp) 180
Top Speed (gross)
(all speeds in statute mph) 207
Cruise (75% @ 8000') 197
Cruise (55% @ 8000') 177
Stall speed (gross weight) 58
Takeoff Distance
(ft, solo weight) 275
Takeoff Distance
(ft, gross weight) 575
Landing Distance
(ft, solo weight) 350
Landing Distance
(ft, gross weight) 500
Rate of Climb
(ft/min, solo weight) 2100
Ceiling (solo weight) 22,000
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(ft/min, gross weight) 1600
Ceiling (gross weight) 19,500
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(statute miles, 75% @ 8000') 755
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