

**Farmers
Air** Limited

introduces the

 **FALCO**
3000XL
XTREME LIFT ADVANTAGE



Falco novaeseelandiae-
NZ Native Falcon,
KAREAREA is a bird of prey
almost endangered in NZ.
The falcon worldwide is a
fearless predator and is the
worlds fastest bird with speeds
up to 230km/hr. They have
been clocked pulling more
than 17g-forces and have
eyesight 8 times better than
our own.

These remarkable hunters
can carry prey 6 times there
own body weight. They mainly
feed on small birds, insects
and rodents.



New Zealand made
Gisborne designed
3000lt hopper capacity
(biggest in NZ)
2000kg payload
145kt cruise speed
4hrs fuel endurance

www.falco3000xl.co.nz

FALCO 3000XL

XTREME LIFT ADVANTAGE

design

The Falco 3000XL concept came about in October 2009 when a standard Pacific Aerospace XL750 was trialed by Farmers Air's Andy Stevenson and Andrew Hogarth.

Although Farmers Air were very happy with their well maintained fleet of Cresco's they needed to start looking for a replacement aircraft as the Cresco is no longer in production. Also with a long term relationship with its farming clientele, they needed an aircraft that would maintain this relationship for the next 25 years.

Although the factory aircraft had all the right flight characteristics and Pacific Aerospace a proven record of manufacturing ideal agricultural aircraft for New Zealand (they made the Fletcher and Cresco), it needed to become "NZ's Biggest Loser" and shed some weight.

So in December 2009 design work started to produce a light weight hopper with more volume, a streamlined lightweight cowl with improved engine filtration. Pilot comfort is also very important with more leg room, quieter cockpit, better protection from the sun and better ergonomics makes for a less fatigued pilot, which is a safer pilot.

Farmers Air managed to trim down 100kgs less than the standard factory aircraft which directly effects performance, less weight=more lift this may not sound like a lot but a 100kgs over 100 takeoffs in a day is 10 ton the aircraft does not have to carry which means less fuel burn, less carbon emissions. So the Falco 3000XL is cleaner and greener.

Farmers Air looks forward to seeing its customers on the airstrip and assisting them in their business of producing the best beef and lamb in the world with the Falco 3000XL and thanks them for their support and business over the years. This project was fully funded by Farmers Air Ltd and we would like to thank our New Zealand CAA Approved contractors- Flight Structures, Aeromotive, Composites International, Pacific Aerospace Limited and AvParts.

- New Zealand made, Gisborne designed
- 3000lt hopper capacity (biggest in NZ)
- 2000kg payload including urea
- 145kt cruise speed
- 4hrs fuel endurance
- Powered by Pratt&Whitney PT6-34AG turbine engine producing 750shp (considered the worlds safest and most reliable engine ever)
- Redesigned lower cowl with high flow engine filter
- More comfortable cockpit, which means less fatigue and a safer pilot
- Short field take off and landing performance
- Low weight foot print on grass airstrips, less airstrip damage because of oleo undercarriage
- This aircraft loves to climb with a load on its back, 800ft/min fully loaded
- Large hopper opening so no spillage in the loading area, so your precious fertiliser dollar ends up where it should be, in the paddock
- Trimble Ag GPS equipped
- Spidertrack flight following for exact aircraft location in case of emergency
- This aircraft is low maintenance going from inspection to inspection with minimal unplanned breakdowns
- Full factory airframe support, parts come from Hamilton, NZ not America or Europe so aircraft is back in the air sooner, providing a better service to our clients
- Farmers Air Ltd has 100 000hrs type experience, allowing us to utilise aircraft to the maximum ability

specs

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Farmers Air
Limited

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