



GO BEYOND

PW4000-100™

DEPENDABLE POWER
FOR THE BURGEONING
FREIGHTER MARKET



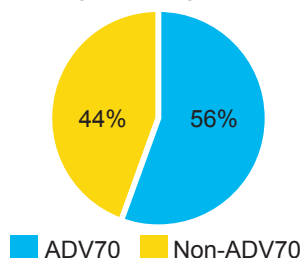
The PW4000 for the A330-200/300

BEST-IN-CLASS FUEL BURN AND EMISSIONS. WORLD-CLASS DEPENDABILITY.

- The A330 is well suited to serve regional and long-haul routes
- The A330 is gaining momentum as a go-to aircraft to serve the cargo market as freighter conversions start to take-off
- The PW4168A was developed specifically for the A330 and was the very first engine in history to receive Extended Twin Engine Operations (ETOPS) approval at entry into service and has had uninterrupted ETOPS service ever since.
- The Advantage70™ offers enhanced value, making the most reliable engine on the A330 even better
- The PW4170 (Advantage70™) provides the highest thrust on the A330 at 71,700 lbs Airbus Equivalent Thrust (AET) and the lowest fuel burn and emissions
- The PW4000 on the A330 meets ICAO Chapter 4 noise with margin and with the TALON IIB combustor, the engine has margin to the ICAO CAEP/6 emission requirements

- More than half of the in-service fleet is in the Advantage70™ configuration

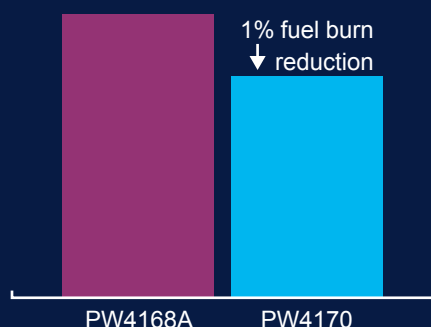
Engine Configuration



- Advantage70™ engines can be intermixed with non-Advantage70™ engines at equivalent thrust ratings
- Advantage70™ engine nacelle is interchangeable with prior engine configuration
- The PW4168A, PW4168A-1D and PW4170 have ~40% part number commonality with the PW4000 on the A300, 747, 767 and MD-11

PW4000-100™

BENEFITS OF Advantage70™



- **\$150,000** fuel savings / year **or** **\$18** / EFH
- **700 tonnes CO₂** avoided / year

THE FREIGHTER CORNER

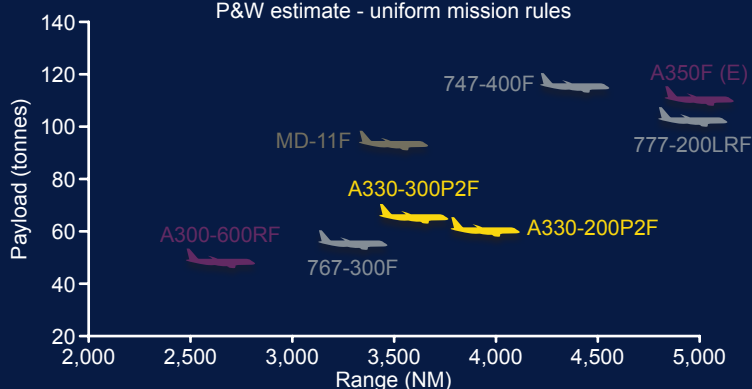
- A330F fills gap between medium and large freighters
- A330 converted freighters are the next go-to freighter when the 767 feedstock vanishes

A LA CARTE MAINTENANCE SOLUTIONS

- Access to fleet and operation support
- Flexibility to choose engine maintenance provider
- Choose and combine from a menu of options to provide the best solution and value for your operations

	Original	Advantage70™	
Engine Model	PW4168A	PW4168A-1D	PW4170
Rating (lbs)	68,600	68,600	70,000
Airbus Equivalent Thrust	70,300	70,300	71,700
EIS	Dec 1994	Jun 2009	Jun 2009
ETOPS Approval	180 Min FAA 240 Min EASA		
Fan Diameter, in.	100		
Length, in., flange to flange	163.1		

Widebody Cargo Payload - Range Capability
P&W estimate - uniform mission rules



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