

MEET THE SMART
CARGO WORKHORSE-
THE WORLD'S FIRST A320P2F.



RETHINKING AVIATION SOLUTIONS.



Vaayu Group bagged the world's first A320P2F
aircraft - by EFW, a joint venture
of ST Engineering and Airbus - in July 2022.

Vaayu Group started its operations in 2011 from
Ras Al Khaimah, UAE.



WORLD'S FIRST

- Over the past 12 years, Vaayu has spread its wings far and wide - across the aviation industry
- Its foresight to invest in freight at the onset of the pandemic was a game changer
- In 2022, the world's 1st A320 freighter aircraft was delivered to Vaayu Aero Leasing
- Vaayu leased this aircraft to Pradhaan Air Express - thus making a statement of intent for the freighter business in India

A SPIRIT OF
PARTNERSHIP

PRADHAAN AIR EXPRESS
THE FIRST “PEHALWAN”



PEHALWAN THE CARGO POWERHOUSE

21 Tons
Payload

Containerized
Main Deck:
10 AAY + 1PAJ

82"
Main Deck
Height

High Vol-Wt
Ratio 161 m³

Ideal Aircraft
for Regional
Operations

Fly-By-Wire
Fuel Efficient
Aircraft

2100nm
Range



THE SMART CARGO WORKHORSE SPECS/FEATURES



STORAGE SPECIFICATIONS

GROSS VOLUME FIGURES
A320P2F OFFERS EFFICIENT SPACE OCCUPANCY.

GROSS PAYLOAD	Pallet 100%	Containers 85%
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LOWER DECK WITH
LD3-45W

SIZE SPECIFICATIONS

MAIN DECK

10+1

10 x 88" x 125"
1 PALLET
(88" or 96" x 125")

CONTAINER
OPTIMISED VOLUME

5,675 FT³*

161 M³
*100% ULD VOLUME,
NO BULK

LOWER DECK

7

LD3-45W

EQUALS AAY
CONTAINERS

13

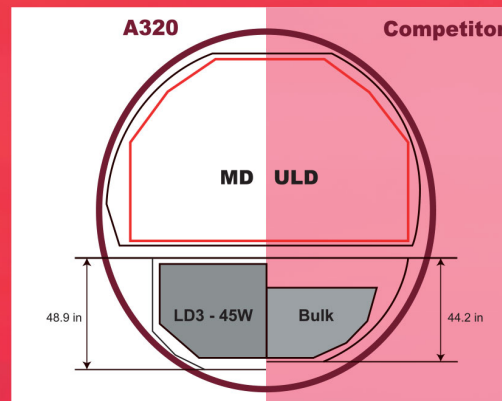


SUPERIOR STOWABILITY

FOR A320 FAMILY
VS SAME SEGMENT AIRCRAFT



85% STORAGE EFFICIENCY



50% STORAGE EFFICIENCY

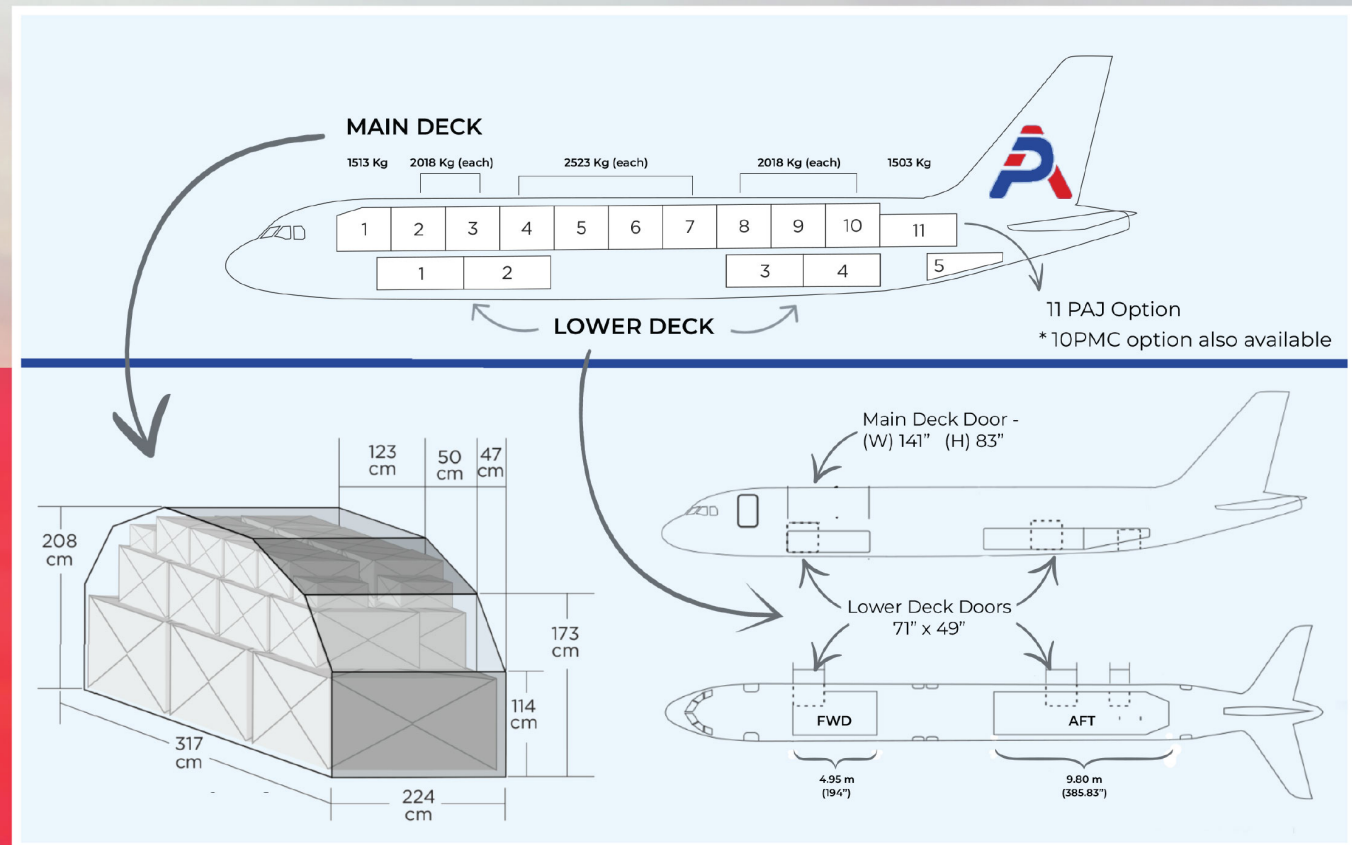




A320P2F's BENEFITS

SPEEDIER LOADING

OFFERING A 50% BIGGER OPENING SURFACE,
A320 FAMILY CARGO DOORS SPEED
UP LOADING AND UNLOADING.



LARGER STORAGE AREA



A320 FAMILY PUSH-OUT CARGO DOORS
SMOOTH FUNCTIONING,
FOR FULLY COVERED LOADING AREA



BIGGER OUTWARD-OPENING,
DOORS WITH HYDRAULIC
POWER. DEPLOYMENT IN LESS
THAN 60 SECONDS.

SAME SEGMENT AIRCRAFT:

THE DOOR BLOCKS THE LOADING, LEADING TO A LOSS IN
STOWABILITY VOLUME AND A SMALLER WORKSPACE.
CARRIERS HAVE A LESSER TURNAROUND TIME
DUE TO DOOR PROTECTION.



COST ADVANTAGES



CONTAINERIZED BELLY CARGO COMPARTMENT

FASTER LOADING AND UNLOADING



OEM SUPPORTED DESIGN

TO MINIMIZE DOWN-TIME



CENTRALIZED MAINTENANCE

SMOOTHER TROUBLESHOOTING

POST-FLIGHT REPORTING

INSTANT MONITORING



EFFICIENT COMPONENTS

DUAL-SOURCE APU

BRAKES CARBON

RADIAL DESIGN TYRES



FLY-BY-WIRE

FEWER SCHEDULED TASKS

FEWER MAN-HOURS

MINIMAL COMPLEXITY



ADVANCED MATERIALS

REDUCED MAINTENANCE COST

REDUCED FATIGUE

REDUCED CORROSION



ADVANCED ENGINES

HIGHER WING TIME

FAN WITH LARGER DIAMETER

DOUBLE SOURCE

SINGLE AISLE FAMILY SPECIFICATIONS



TECHNOLOGY
PIONEER
FLY-BY-WIRE,
ADVANCED MATERIALS.



UNBEATABLE
FUEL EFFICIENCY
LESS FUEL BURN PER TONNE
AND PER TRIP.



ADVANCED
ENGINE TECHNOLOGY
HIGH BY-PASS RATIO
LOW NOISE AND EMISSIONS.



CARGO
FLEXIBILITY
CONTAINERIZED
CONFIGURATION, CLS.

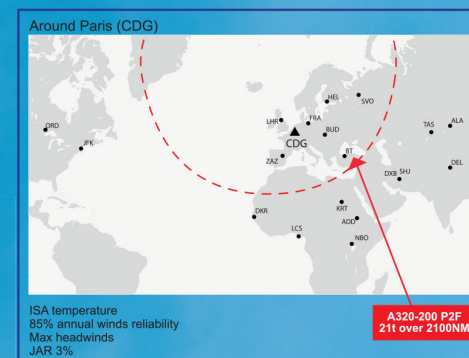
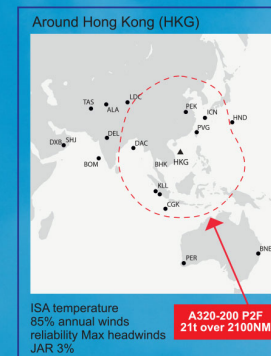
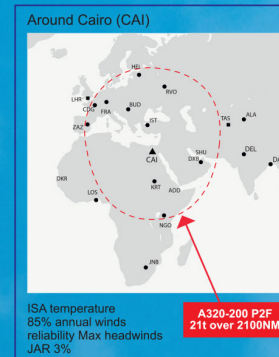


PLATFORM TO
INNOVATE
CONTINUOUS
INNOVATION.



PAYLOAD RANGE, OPERATIONAL EFFICIENCY

- SUPERIOR SPACE USAGE,
MADE POSSIBLE BY FLEXIBLE CARGO DESIGN.
- WELL SUITED TO THE SMALL SIZE MARKET SEGMENT.
- BETTER AIRCRAFT DESIGN WITH NON-STOP IMPROVEMENTS.
- AMPLE FEEDSTOCK TO REDUCE OWNERSHIP COST.
- A COMMON FRAMEWORK FOR BETTER COMPATIBILITY WITH
PASSENGER FLEET AND TO AID FUTURE FLEET PLANNING.



A320P2F
PAYLOAD
RANGE

LET'S TALK



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