

Date, Time (UTC) 2022-12-05, 1152

HOVER CEILING OUT OF GROUND EFFECT OEI 2.5 min

Flight ID: HSO53C

PIC/SIC:

BOE/NHE

ROTOR SPEED: PLUS MODE

Unfactored increase of

169F1580A002 ISSUE I

GROSS WEIGHT kg [lb] for

unfactored headwind [kts]

ELECTRICAL LOAD: 100%

Dry Ops Mass: 3595 kg

USER INPUT:

QNH: 1020 hPa

Hover Height: 200 ft

Temperature: 9 C

Wind: 25 kt

Wind benefit: 100 %

Fuel at HHO: 485 kg

RESULT:

Pressure Altitude: 16 ft

Mass, 0 kt Wind: 4221 kg

Mass, 25 kt Wind 4800 kg

Mass, 100 % Wind: 4800 kg

Useful Load at site: 1205 kg

Payload at site: 720 kg

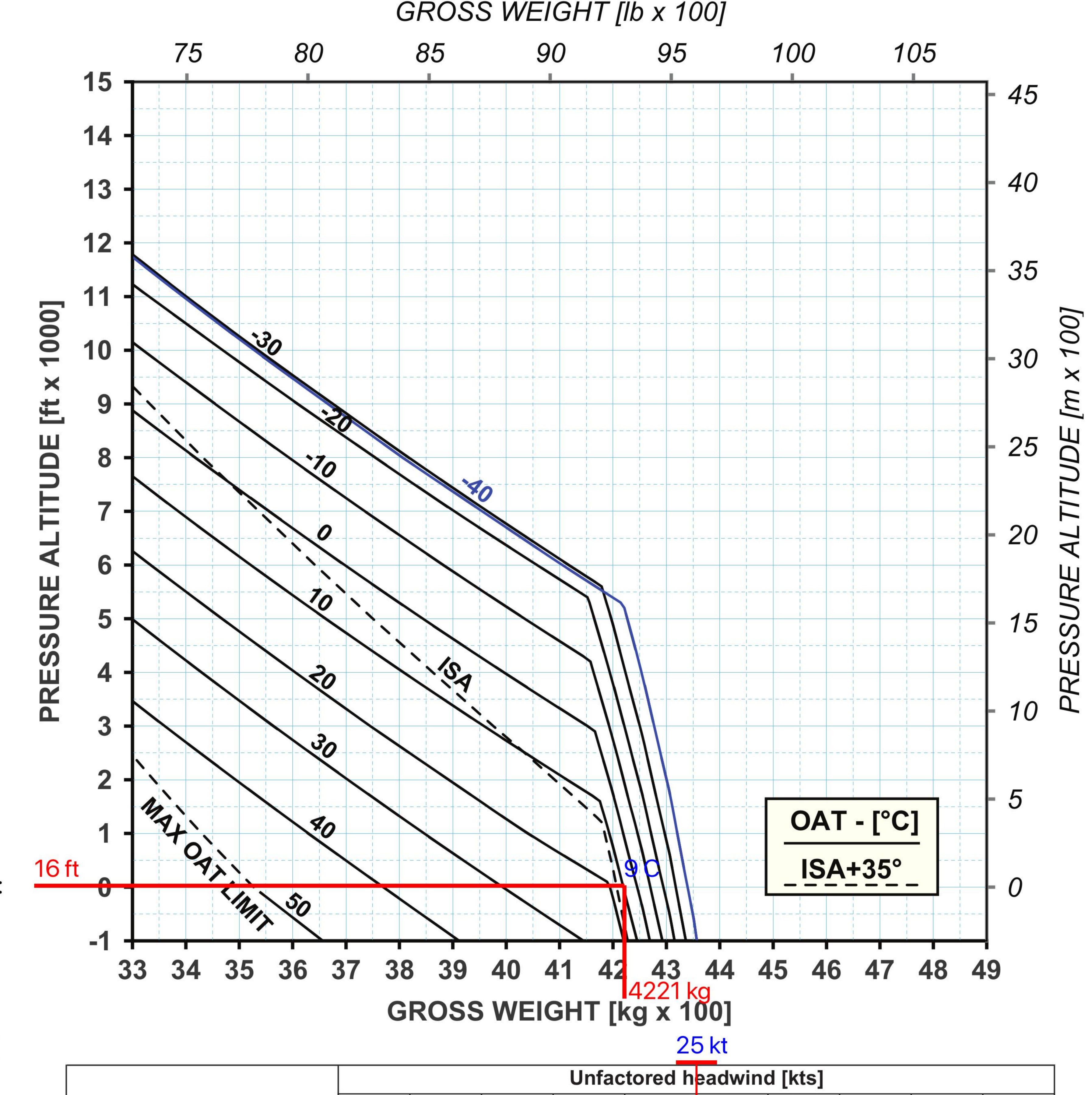


Figure S5-31 HOGE ceiling OEI 2.5 min power

[883] [1373

25

850

1047

850 kg

20

623

15

400

10

219

[484]

62

[137]

35

1263

[1874] [2309] [2784] [3316] [3810] [4332]

40

1504

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50

1965

45

1728

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