(EXAMPLE) [A-4-1]

Image of Cessna 172 Pitot-Static Probe (source: National Aviation Academy)

An altimeter of a low-speed private aircraft (i.e., Cessna 172) reads "3,000 ft" during the flight. If a pitot-static probe of this aircraft measures a dynamic pressure of 53.3 lbf/ft^2 (psf), what is the corresponding equivalent airspeed of this flight? Suppose, if the outside air temperature (OAT) is given to be 50 °F, what is the corresponding true airspeed of this flight?