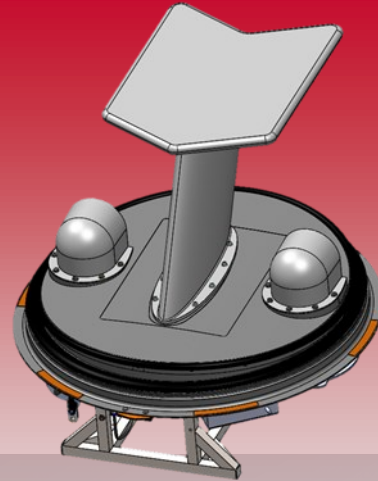




PART NUMBER:
0009A3000-30-270

V/UHF LOS, UHF SATCOM & GPS Multi-Purpose Vented Hatch System (MPVHS)

- ▶ **BILLET ALUMINUM CONSTRUCTION**
- ▶ **NO MODIFICATION TO AIRCRAFT**
- ▶ **FIELD REPLACEABLE SEALS AND HARDWARE**
- ▶ **FAA/DoD CERTIFIED**
- ▶ **HI ANGLE UHF SATCOM**
CONTINUOUS LO ANGLE FREQUENCY
COVERAGE, 30-2000 MHz
- ▶ **L1 AND L2 GPS**



R4 Integration, Inc. (R4) has designed and built the next generation C-130 Multi-Purpose Vented Hatch System (MPVHS) for installing customized user configurations of airborne antennas or sensors. The 0009A3000-30-270 MPVHS includes a rugged multifunction V/UHF/L-Band LOS, UHF SATCOM and GPS antenna designed for airborne applications. By replacing the existing center escape hatch, the MPVHS provides the customer a "Roll On/Roll Off" communications capability *without modification* to the aircraft, allowing for rapid installation to meet short notice or critically needed communication capabilities while retaining the aircraft venting capability. The MPVHS is compatible with virtually any UHF/VHF/MILSAT communication system.

R4 provides a complete "Turn Key" solution to include a Portable Airborne Communication Terminal (PACT) that provides full 30—2000 MHz LOS, BLOS, Voice/Data capability with an integrated Intercommunication System for multiple operators, aircraft interface/control, and ground station capability.

SPECIFICATIONS

ELECTRICAL

Frequency	UHF Hi Angle : 240 - 385 MHz V/UHF/L-Band Lo Angle : 30 - 2000 MHz GPS: 1564 - 1587 / 1216 - 1239 MHz
Gain (typical)	Hi Angle : +6.5 dBiC @ Zenith Lo Angle : -18.5 dBi @ 30 MHz -8.0 dBi @ 88 MHz -1.0 dBi average 118-174 MHz +1.0 dBi average 225 - 2000 MHz GPS: +4.0 dBiC @ Zenith
RF Power	Hi Angle: 200 Watts CW Lo Angle: 50 Watts VHF 200 Watts (225-2000 MHz) GPS: 1 Watt

MECHANICAL

Height Above Aircraft	12.6 Inches
Weight	52 LBS

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