

ACME WORLDWIDE ENTERPRISES
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TRUE Q
DYNAMIC MOTION SEAT

For
UH-72
Helicopter
Simulators



ACME True Q[®] Dynamic Motion Seats look, feel and function just like the actual helicopter seats. All the motion components are inside the seat. The seats translate simulator acceleration signals into realistic, convincing motion cues that emulate the forces and sensations felt in flight.

Dynamic Motion Seats provide full-motion cueing without the need for expensive, gigantic platforms or shaker systems. Cues are provided right to the pilot's body. And, because the motion seat plates provide pressure as well as motion, both onset and sustained g-cues are emulated. Sustained g-cues are just not possible with platforms and shakers.

PATENT # 8827709 E1

UH-72

DYNAMIC MOTION SEATS

- 1 - Back Pan Tilt
- 2 - Back Pan Surge
- 3 - Seat Pan Tilt
- 4 - Seat Pan Heave



Power

Uses
120/208 VAC 60HZ
or
230/400 VAC 50HZ
30-Amp Circuit

10 Amp Typical/15 Amp
per Phase

Dimensions

Seat Height: 46.7" from
base of deck plate to top of
headrest

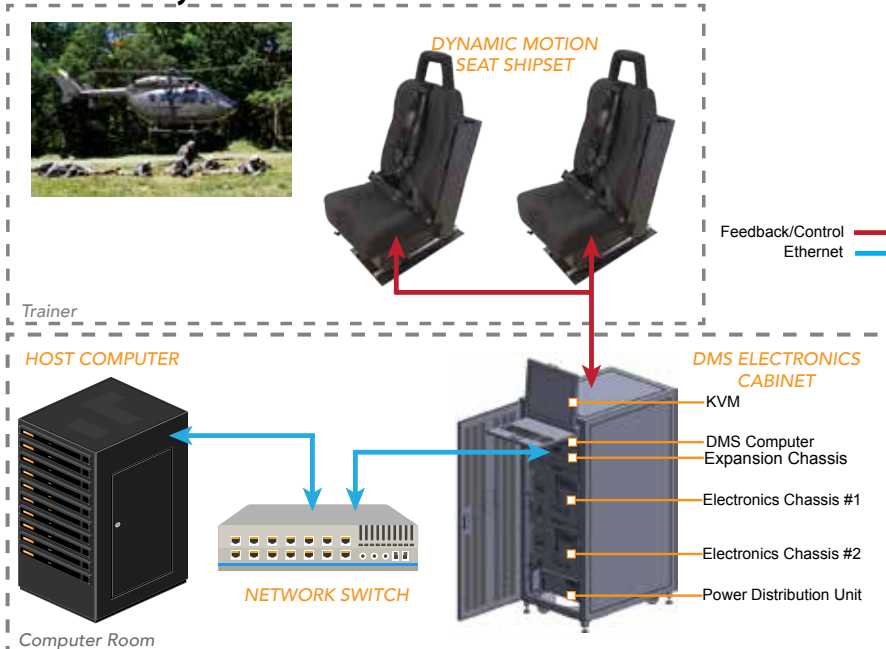
Seat Width: 16.3"

Seat Depth: 35.4" from front
edge of seat pan to aft deck
plate edge

Seat Weight: 125 lbs.

MULTIPLE MOTION CHANNELS

UH-72 DMS System Overview



Complete UH-72 Dynamic Motion Seat System includes the seats, computer, electronics, and cables to drive the seats.

A single DMS Computer controls Pilot and Copilot seats or just a single seat.

System includes ACME's intuitive DMS Manager Application and executable software and firmware.

Simple Ethernet interface to the simulator host computer system. The DMS provides seat status and the host provides acceleration signals for the seat computer.

Supported with Interface Control Document, Operations & Maintenance Manual, Acceptance Test Procedures, and a standard, 1-year factory warranty.

COMPLETE COTS SYSTEM - NO NRE

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