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[WWW.ACME-WORLDWIDE.COM](http://WWW.ACME-WORLDWIDE.COM)

**TRUE Q**  
DYNAMIC MOTION SEAT

For  
**AH-64**

Helicopter  
Simulators



ACME True Q<sup>®</sup> 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.

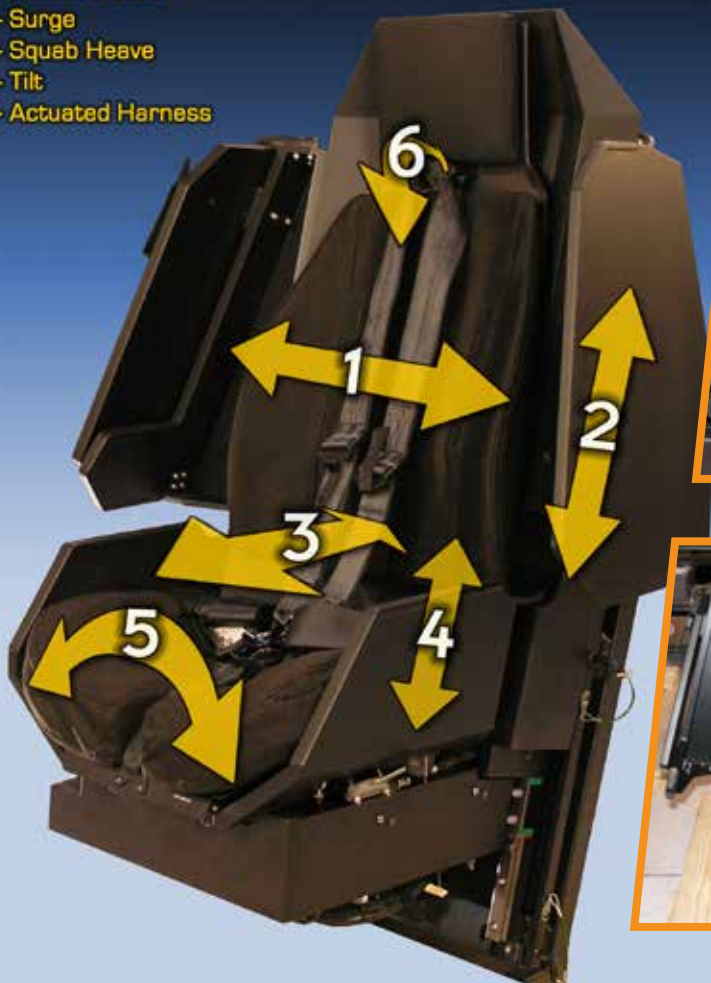
Dynamic Motion Seats provide full-motion cueing without the need for expensive, gigantic platforms or shaker systems. Cues are provided right to the pilot's body. And, because the motion seat plates provide pressure as well as motion, both onset and sustained g-cues are emulated. Sustained g-cues are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

**PATENT # 8827709 E1**

# AH-64

DYNAMIC MOTION SEATS

- 1 - Sway
- 2 - Bucket Heave
- 3 - Surge
- 4 - Squab Heave
- 5 - Tilt
- 6 - Actuated Harness



## MULTIPLE MOTION CHANNELS

### Power

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

10 Amp Typical/15 Amp  
per Phase

### Dimensions

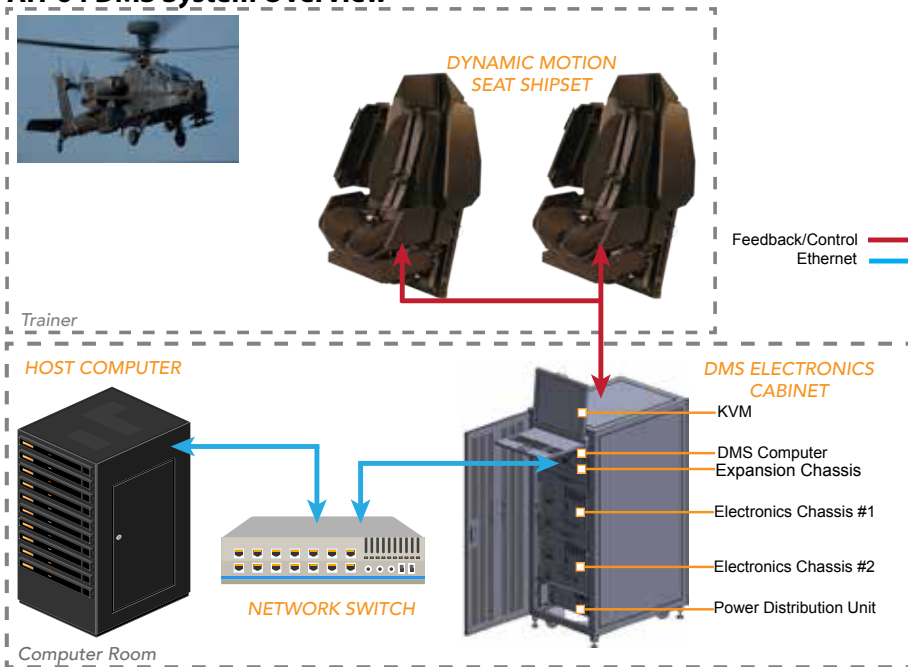
Seat Height: 47" from  
bottom of height actuator to  
top of headrest

Seat Width: 34.4." at  
outboard, bottom edge of  
side armor plates

Seat Depth: 27.1" from front  
edge of seat pan to aft body.

Seat Weight: 300 lbs.

## AH-64 DMS System Overview



Complete AH-64 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.

Can be equipped with sliding outboard replica armor plate.

COMPLETE COTS SYSTEM - NO NRE

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