

A mobile laboratory

Navigational cameras

Panoramic cameras
High-resolution color
stereo cameras

Magnet array

One of three arrays
that collect magnetic
dust for analysis

Microscopic imager
Provides a
close-up view
of rock
texture

**Alpha particle
X-ray spectrometer**
Analyzes the elemental
makeup
of Mars surface

Rock abrasion tool
Exposes rock for analysis

**Mini-thermal emission
spectrometer**
(At rear) Uses infrared
radiation to determine
mineral composition of
distant landscape features

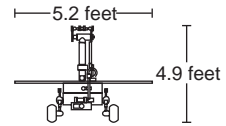
**Low-gain
antenna**

**High-gain
antenna**

Solar arrays

Mossbauer spectrometer
Identifies any minerals that contain
iron and evaluates the role water may
have played in its formation

Rover size:



Weight 384 pounds
Speed 90 inches per minute

SOURCE: NASA

Merrill Sherman/AP