



EMERGENCY RESCUE SYSTEM ERS-75

[www.uavos.com](http://www.uavos.com)

The following is based on the 75 kg MTOW of UAV

Service life limit	<b>50 applications</b> at the altitude of 50-5000 m, with an indicated flight speed of 0-70 km/h, including one-time use at a vertical pitch-down with possible complete or partial failure.
g-forces	Occurred due to rescue system deployment is not more than <b>10 g</b> .
Nominal performance	Minimum safe altitude is <b>50 m</b> ; flight speed 20-70 km/h; descending time with full canopy– min 2 sec.
Maximum permitted speed	<b>240 km/h</b>
Maximum tested speed	<b>360 km/h</b> with full load.
Average vertical descending speed	<b>5.5-6,5 m/s</b> with main canopy, at the segment of 30-35 m from the ground level.
Pyrocartridge	Actuating current is not less than 500 mA Actuation voltage of the pyrocartridge is not less than 5 V Activation time is 100 ms
Canopy area	<b>35 m<sup>2</sup></b> [376 ft <sup>2</sup> ]
Weight	<b>3.2 kg</b> [7.05 lb]
Operating temperature	-40 ..+50°C [-40..122°F]
Features	<ul style="list-style-type: none"> <li>• UAV stable descending with main canopy;</li> <li>• Absence of parachute collapse phenomenon while UAV descending;</li> <li>• Quick and easy replacement of a pyrocartridge;</li> <li>• Reusable system.</li> </ul>



[Flight-testing](https://youtu.be/CrDTF-2SLrQ)  
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