



Performance Specifications and Features – Armored Combat Engineer Robot

Element	Specifications	Features
Basic System		
<p data-bbox="203 294 516 319">Platform / Mobile Base Unit</p>  <p data-bbox="332 724 548 781">Easily Transported - Truck or Trailer</p>	<p data-bbox="706 294 889 319">Platform (MBU):</p> <p data-bbox="706 325 974 350">Size: 83"L x 62"W x 56"H</p> <p data-bbox="706 357 885 382">Weight: 4500 Lb.</p> <p data-bbox="706 388 954 413">Hydraulic Drive System</p> <p data-bbox="706 420 873 445">Speed: 6.3 mph</p> <p data-bbox="706 451 998 476">Payload Capacity: 2500 Lb.</p> <p data-bbox="706 483 993 508">Arm Lift Capacity: 1000 Lb.</p> <p data-bbox="706 514 1010 539">Towing Capacity: 25,000 Lb.</p> <p data-bbox="706 546 928 571">Fording Depth: 18 in.</p> <p data-bbox="706 577 933 602">Turning Radius: Zero</p> <p data-bbox="706 609 1003 634">Obstacle Negotiation: 10 In.</p> <p data-bbox="706 640 941 665">All Weather Operation</p> <p data-bbox="706 672 1036 697">Slopes: 60° Up/Down, 45° Side</p> <p data-bbox="706 703 1031 728">Operating T°: -25° F to +125° F</p> <p data-bbox="706 735 1026 760">Storage T°: -25° F to + 160° F</p> <p data-bbox="706 766 880 791">Driving Camera:</p> <ul data-bbox="717 798 928 871" style="list-style-type: none"> Color with IR Lights Pan & Tilt Option <p data-bbox="706 877 1010 903">Control Range: 500+ Meters</p>	<p data-bbox="1079 294 1323 319">One-Person Operation</p> <p data-bbox="1079 325 1409 382">Armor: Ballistic Steel – Deflect 7.62mm @ 25 m</p> <p data-bbox="1079 388 1383 445">62 HP Turbocharged Diesel Engine – JP8 Compatible</p> <p data-bbox="1079 451 1360 476">Fuel Capacity: 19 Gallons</p> <p data-bbox="1079 483 1383 539">24 Volt Electric System – 50 Amp Alternator</p> <p data-bbox="1079 546 1425 602">Auxiliary Hydraulic System – 14 GPM @ 3000 psi</p> <p data-bbox="1079 609 1425 686">Common Interface for all Attachments – Blades, Buckets, Flail, etc.</p> <p data-bbox="1079 693 1393 749">Accepts Standard Skid-Steer Attachments</p> <p data-bbox="1079 756 1409 812">Easy Access for Maintenance, Using standard Tools</p>
<p data-bbox="203 934 646 959">Belly-Box Operator Control Unit (OCU)</p> 	<p data-bbox="706 934 771 959">OCU:</p> <p data-bbox="706 976 906 1001">Total Weight: 6 Lb.</p> <p data-bbox="706 1018 938 1043">Power: 12 VDC NiMH</p> <p data-bbox="706 1060 896 1085">120 VAC Adapter</p>	<p data-bbox="1079 924 1416 980">900 MHz Digital Control, 1.8 or 2.4 GHZ Analog Video System</p> <p data-bbox="1079 987 1409 1012">6.4" Daylight Readable Display</p> <p data-bbox="1079 1018 1302 1043">2 Control Joy Sticks:</p> <ul data-bbox="1079 1050 1295 1106" style="list-style-type: none"> 1 – Vehicle Control, 1 – Arm Control
System Mission Configurations		
		
		