

# CE735R Rescue Saw Specifications



Engine Type ..... 2-Cycle Vertical Cylinder, Air-Cooled  
Displacement ..... 4.5 cu in. (73.5cc)\*  
Bore x Stroke ..... 2 x 1.4 in. (51 x 36mm)  
Max Output Power ..... 4.9 HP (3.6kW)  
Recommended Engine  
  Idling Speed ..... 2,500 RPM \*\*  
Recommended Maximum  
  Engine Speed ..... 10,550 RPM \*\*  
Maximum Cutting Depth  
  12 in (305mm) ..... 4 in (102mm)  
  14 in (355.6mm) ..... 5 in (127mm)  
Rated Spindle  
  Speed † ..... 3,320 RPM \*\*  
Maximum Peripheral  
  Wheel Speed † ..... 13,500 ft/min. (68.0m/sec)  
Speed Reduction Ratio  
  14" ..... 2.87:1  
  12" ..... 2.50:1  
Fuel Mix Ratio  
  With Cutters Edge Synthetic Oil ..... 100:1  
  With Petroleum Base 2-cycle Oil ..... 50:1  
Fuel Tank Capacity ..... .8 Liters (27.5 oz)  
Carburetor Type ..... Diaphragm  
Ignition System ..... Electronic  
Spark Plug ..... Champion, CJ6Y  
Power Transmission ..... Automatic Centrifugal  
  Clutch Multi-Ribbed Belt

Anti-Vibration System ..... Unified Handles  
  with 7-point support  
Safety Devices -  
  Throttle Lock-Out  
  Spring Loaded Stainless Steel Wheel Guard

Dry Weight (Without Wheel)  
  CE735R ..... 23 lbs (10.5kg)  
Wet Weight (With Diamond Blade and Fuel)  
  CE735R ..... 28 lbs (12.73 kg)

Dimensions (L x W x H)  
  CE735R - 30.1L x 8.6W x 15.3H (inches)  
  765 x 220 x 390 (mm)

Sound Pressure Level† ..... 101dB  
Sound Power Level± ..... 111dB

Vibration Level - Front Handle  
  (Idle/Rated Spindle) ..... 10.09/10.49m/sec.††  
Rear Handle (Idle/Rated Spindle) ..... 8.93/13.70m/sec.††

Recommended Cut-off Wheels  
  Cutters Edge Black Diamond™ Rescue Blade  
  12 in (305mm) or 14 in (355.6mm)

Arbor Size ..... 1.0" (25.4mm)  
With Arbor Adapters Four ..... 0.78" (20mm)  
  0.86" (22mm)

\* Measured in accordance with EN ISO 11201:1995

\*\* Measured in accordance with ISO 7293: 1983

† Measured with 305mm Wheel and 355mm Wheel

± Measured in accordance with EN ISO 3744:1995

†† Measured in accordance with EN 28662-1:1992



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