

Introducing the Knudson KR-18 Black!

This roof panel machine is the 25th Anniversary Edition of our KR-18B, an icon in the commercial roofing industry. This celebratory edition showcases an improved Shear, GPS tracking, a production speed of 90-ft per minute, and the best warranty in the industry!

As our best selling roof panel machine, there are KR-18B machines operating all over the world. Its high-strength design produces a UL 90 panel with impressive live load capabilities. The KR-18 Black's 2.5 inch Trapezoidal Panel is ideal for warehouses, shopping malls, stadiums, and other commercial developments.

Order yours today.....



- √ 90 feet per minute
- √ UL90 Panel
- √ GPS System
- √ 3-Year Warranty



Options:

Gas or Electric Motor
Trailer (10,000-lb Cap)
Oiler kit

Accessories:

US-9 Mechanical Seamer
Hand Crimpers
Run-out Stands

Knudson Mfg., Inc. Since 1957

Profile Specifications:	2-1/2-in Standing Seam Profile with Trapezoidal Offsets		
	• Leg Height = 2.50-in	• Formed Panel Width = 16.00-in	
	• Head Width = 0.75-in	• Coverage = Sheet Width minus 6.00-in	
	• Refer to KMI Panel Profile Drawings	• Trapezoidal Offsets, Flat Beads, Anti-Capillary Return	

Material Specifications		Max Tensile	Max Yield	Thickness Range
• Steel:	Galvanized, Painted, Pre-Finished, or Bare	52-ksi	48-ksi	0.021-in to 0.033-in
• Aluminum:	Painted, Pre-Finished, or Bare	33-ksi	28-ksi	0.027 to 0.033-in
• Copper:	Bare	33-ksi	28-ksi	16 and 20-oz

Strip Width: Minimum 23.88-in Maximum 24.06-in

Machine Specifications - Mechanical Systems

Production Speed	• 90-ft/min Nominal Throughput (+/- 2-ft/min)		
Dimensions (Machine only – no trailer)	• Length: 127.00-in	• Height: 50.00-in	
	• Width: 38.00 in	• Weight: 4,500-lbs	
Roll-Forming Details	• Eight (8) Powered Roll-Forming Stations		
Drive Train	• Power Source: Gas Engine/Hydraulic Pump or Electric Motor/Hydraulic Pump		
	• Power Take-Off: Hydraulic Actuators: Hydraulic Motor, Hydraulic Cylinder (s)		
	• Drive/Forming Rollers: Gear/Sprocket/Roller Chain Drive		
	• Main Drive Speed: 90 rpm @ 3.75-in Drive Diameter		
Shear Assembly	• Hydraulic Cylinder Actuated		
	• Exit-End Mounted		
Mechanical Features	• Lip Angle Kit		
	• Crossbar Lifting Assembly		
Machine Mounting/Transport	• Trailer: 10,000-lb Capacity, Dual Axle, Electric Brakes		
	• Platform: 10,000-lb Capacity, Four (4) Corner Jack Stands		
Coil Handling Equipment	• Spool: 24.00-in Wide/20-in ID - 5,000-lbs max		
	• Spool Stand: 5,000 lb max		
	• Expandable Arbor: 16 or 20-in ID - 3,500-lbs max		
Noise Emissions	• Equivalent continuous A-weighted sound pressure level = less than 70 dB (A)		

Machine Specifications – Power Systems

Gas Engine Power	• 18 HP Gas Engine, Hydraulic Pump, Block Manifold, Solenoid Valves		
	• Hydraulic Drive Motor, Dual Cylinder Actuated Cutoff		
	• 12 VDC Battery		
Control System	• 12 VDC Control Power		
	• Key Switch Control of Gas Engine (Start/Stop)		
	• Switch/Pushbutton Manual Control of Hydraulic Motor and Single Cutoff		
	• Digital Batch Controller/Operator Interface		
	• Electrical Drawing = See Drawing included with Documentation		
Electric Power	• 7-1/2 HP Electric Motor, Hydraulic Pump, Block Manifold, Solenoid Valves		
	• Hydraulic Drive Motor, Dual Cylinder Actuated Cutoff		
	• Line Voltage = 230 VAC (+/- 10%)		
	• Line Current = 40 Amps recommended		
	• Line Frequency = 60 Hz (+/- 1%)		
	• Line Phase = three phase (3 Ph)		
	• Full Load Current = 10.4 Amps (230 VAC)		
Control System	• 12 VDC Control Power		
	• Switch/Pushbutton Control of Electric Motor, Hydraulic Motor and Single Cutoff		
	• Digital Batch Controller/Operator Interface		
Safety Features	• E-Stop Switch (x1)		
	• Optional Second E-Stop Switch		
	• Covers, Lids, Sides		

Operating Environment:

Ambient Air Temperature	• +41 to +131-deg Fahrenheit (+5 to +55-deg Celsius)
	• Up to 24 hours at 122-deg Fahrenheit (50-deg Celsius)
Humidity Range	• No Restrictions
Altitude Range	• No Restrictions
Vibration Shock and Bump	• Minimal vehicular transport on maintained roads
	• Off-road transportation not recommended
Transportation and Storage	• -13 to +131-deg Fahrenheit (-25 to +55-deg Celsius)
	• Up to 24 hours at +158-deg Fahrenheit (+70-deg Celsius)
Explosive Atmosphere	• Should not be operated in any kind of explosive atmosphere