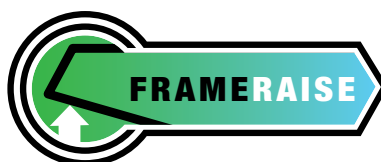


TECHNICAL DATA

PAVER
CR 820 W



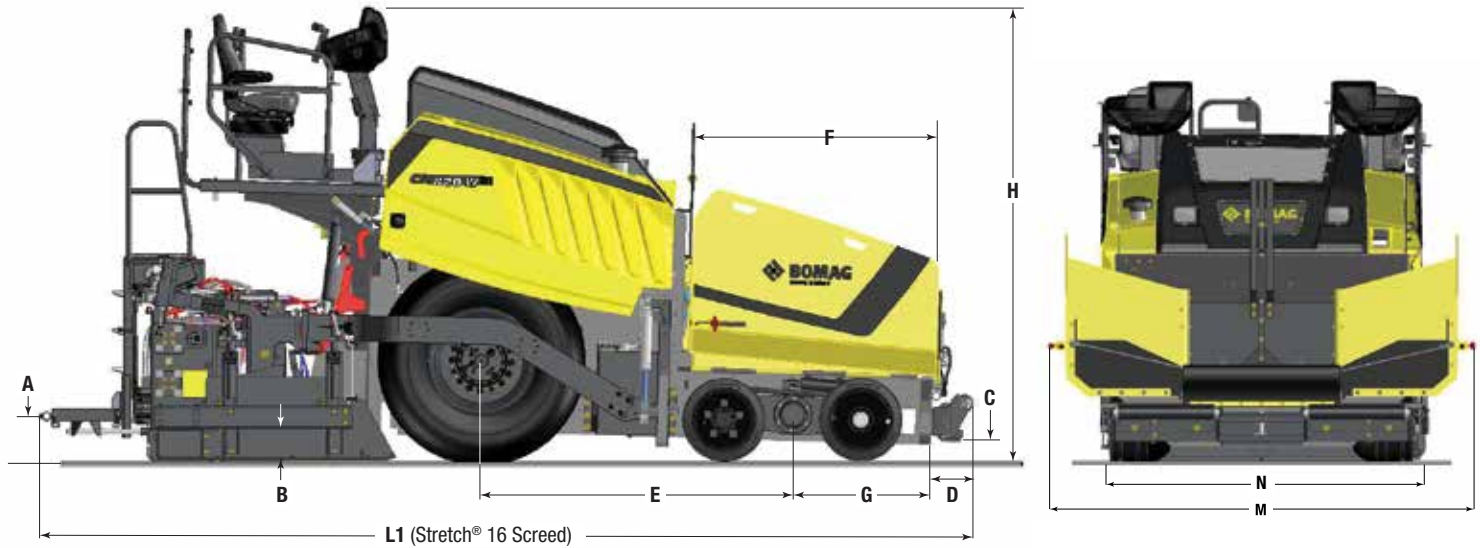
For improved visibility.



For the best mat quality.



For improved fleet productivity.



Dimensions in Inches

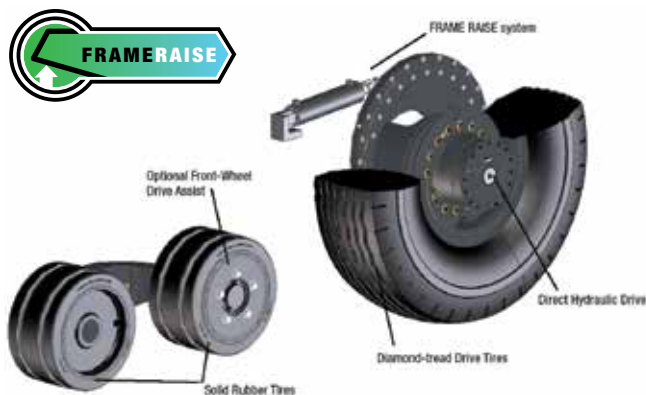
	A	B	C	D	E	F	G	H	L1	M	N
Clearance	Screed	Auger	Frame								
CR 820 W (frame raised)	15	9.25	5	11	83	65	37	126	248	131	108.5
CR 820 W (frame lowered)	8	4	7	11	83	65	37	120	248	131	108.5



BOMAG is leading the industry with its **FRAME RAISE** Three Point System offering improved ground clearance for maneuvering around obstacles and loading and unloading of the machine all while allowing the paver operator to fine-tune the head of material the achieve the best mat quality. BOMAG **FRAME RAISE** Three Point System allows the machine to maintain a level platform and consistent traction with traveling over uneven surfaces, enhancing mat smoothness.



Stretch® 16 Screed with zone Electric heating offers absolutely uniform heat distribution for a quality mat. The flexible paving width of 8- to 16-feet makes the CR 821 W ideal for a variety of applications. Stretch® 16 Screed has wear-resistant, durable steel plates for long lifespan and reduced maintenance.



Hydraulic cylinders precisely control the raising / lowering of the rear **FRAME RAISE System on Rubber Tired Pavers** to ensure level paving and a smooth mat.



Swing-out double **SIDEVIEW** consoles with four positions for optimum visibility and line of sight down the road ahead. The two consoles have 7-inch multi-function color screens and robust mechanical toggle switches for improved uptime.



Technical Data

BOMAG CR 820 W

Weight

Tractor	lbs	27,900
with Stretch® 16	lbs	34,500

Dimensions

Transport length (incl. Stretch 16)	in	248
Transport width (no screed - Hoppers up)	in	102
Transport width (incl. Stretch 16)	in	107
Transport height	in	120
Front Wheels		12 in wide x 22 in dia
Drive Tires		16 Ply 16 x 24 in
Brakes		Spring Applied Hydraulic Release (SAHR) parking

Travel Characteristics

Travel speed (max)	mph	10
Paving speed (max)	fpm	427

Drive

Engine manufacturer		Cummins
Type		QSB 4.5
Emission stage		Tier 4f
Cooling		liquid
Number of cylinders / Displacement		4 cyl / 4.5 L
Rated power	hp	160
Electrical	V	12

Hopper

Capacity	tons	10
Width (wings closed)	in	97
Width (wings open)	in	124
Length	in	65.5
Volume	ft³	165
Feed tunnel width (each)	in	21.75

Auger

Number		2
Auger diameter	in	16
Rotary speed	rpm	150
Construction		Cast, high alloy
Thickness	in	0.625

Screed

Stretch® 16 (electric heat) generator	kW	20
Basic width retracted	ft	8
Basic width extended	ft	16
Max width with extensions	ft	20
Screed plate thickness	in	0.5
Mat thickness	in	12
Positive crown (hydraulically powered)	in	3
Negative crown (hydraulically powered)	in	1
Vibrations per minute (max)	vpm	2,800

Capacities

Fuel (Diesel)	gal	47.5
Hydraulic oil	gal	50
Cooling systems	gal	6

Standard Equipment

- ☒ Turbocharged 160 hp Tier4 engine
- ☒ Power-tilt hood with radiator
- ☒ Lockout/tagout capable E-stop and master electrical switch
- ☒ Fume-recovery system
- ☒ Frame Raise and Three-point suspension system with adjustable spreading auger height
- ☒ Reinforced, sealed, tilting hopper wings with beveled corners
- ☒ Two power-adjustable material flow gates
- ☒ Oscillating front wheel bogie assemblies
- ☒ Thirty-foot hose reel for spray-down
- ☒ Back-up alarm
- ☒ Oscillating push rollers
- ☒ Proportional steer assist

Optional Equipment

- ☐ Stretch® 16 screed with electric heat
 - ☐ Bevel guide plates
 - ☐ Paving widths from 8-16 ft (2.4-4.9 m)
 - ☐ Paving depth of up to 12 in (305 mm)
 - ☐ Cutoff shoes, 12-inch (and 24-inch sections)
 - ☐ Screed extensions for paving up to 20-ft (6.1 m)
- ☐ Grade and slope control
- ☐ Multi-foot grade reference system
- ☐ Sonic averaging systems
- ☐ 500-hour service kit
- ☐ Emergency uptime kit
- ☐ Truck hitch



01212020

Disclaimer: At the time of printing every effort was made to ensure the accuracy of the specifications shown. Please contact BOMAG Americas with questions or to obtain current specs.

© 2020 BOMAG Americas, Inc.

BOMAG Americas, Inc.
125 Blue Granite Parkway
Ridgway, SC 29130 USA
Tel. +1 803.337.0700
Fax. +1 803. 337.0800
www.bomag.com

