

TECHNICAL DATA

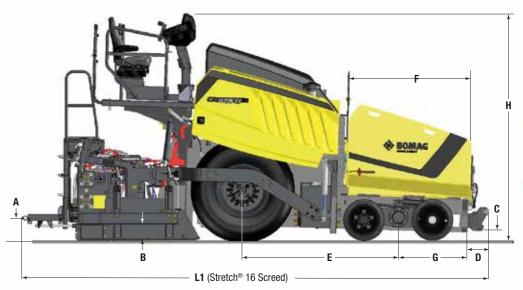
PAVER CR 820 W













Dimensions in Inches

	A	В	C	D	E	F	G	Н	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.



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.



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.



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
		Spring Applied
Brakes		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	ft ³	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)		2,800
Capacities	vpm	۷,000
•	aal	47.5
Fuel (Diesel)	gal	47.5
Hydraulic oil	gal	50
Cooling systems	gal	6

Standard Equipment

Turbocharged 160 hp Tier4 engine ☐ Stretch[®] 16 screed with electric heat Power-tilt hood with radiator □ Bevel guide plates ✓ Lockout/tagout capable E-stop and master ☐ Paving widths from 8-16 ft (2.4-4.9 m) electrical switch ☐ 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) with adjustable spreading auger height ☐ Grade and slope control ☑ Reinforced, sealed, tilting hopper wings with ☐ Multi-foot grade reference system beveled corners ☐ Sonic averaging systems ☐ 500-hour service kit ✓ Oscillating front wheel bogie assemblies □ Emergency uptime kit ☐ Truck hitch ☑ Back-up alarm Oscillating push rollers Proportional steer assist

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Optional Equipment

