1.6 Sound Level Values

The required sound specifications, per Paragraph 1.7.4.f of 89/392/EEC Machinery Directive, are:

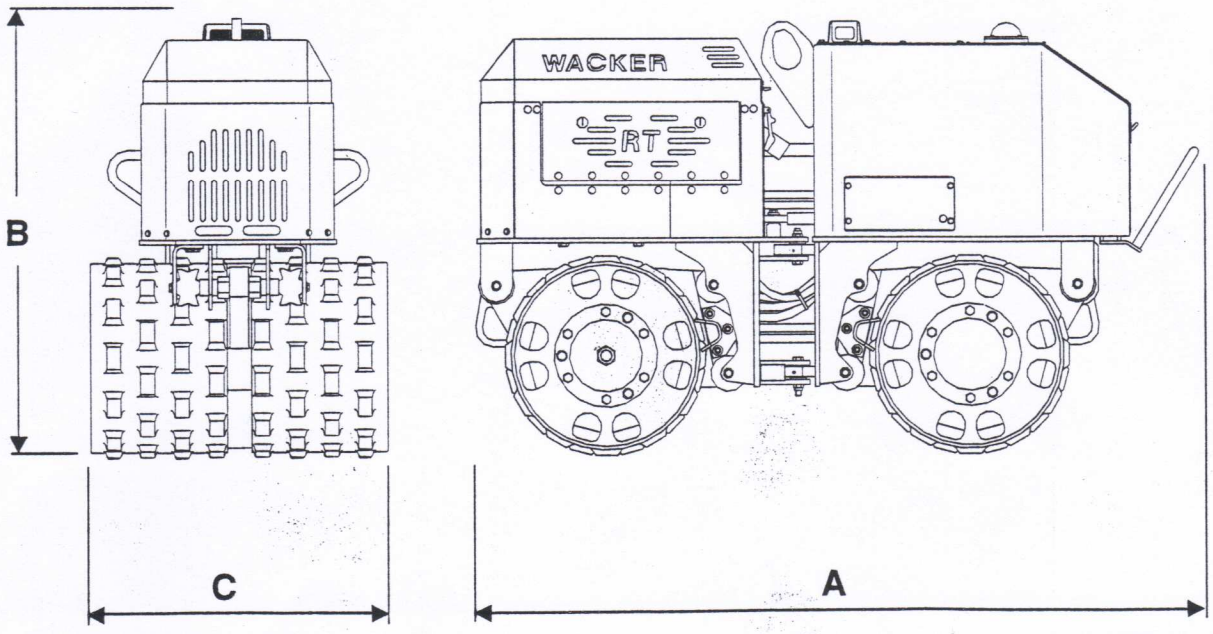
- The sound pressure level at the operator's location while operating machine using remote control from a distance of 3 ft. (1 m) and 10 ft. (3 m):
  L_{pA} = 82 dB(A) - at a distance of 10 ft. (3m)
  L_{pA} = 86 dB(A) - at a distance of 3 ft. (1 m)
- The sound power level: L_{WA} = 109 dB(A)

These noise values were obtained at the operator's location according to ISO 3744 for the sound power level (L_{WA}) and ISO 6081 for the sound pressure level (L_{pA}).

Noise levels were measured while running the machine at full speed, on cohesive soil, with vibration on.

Because this machine is operated using remote control the operator is not exposed to vibration.

1.7 Dimensions



1040SD89

		RT560	RT820
A	in. (mm)	80 (2030)	80 (2030)
B	in. (mm)	48 (1220)	48 (1220)
C	in. (mm)	22 (560)	32 (820)

1.8 Technical Data

Engine

Engine Type		Two cylinder, 4 cycle, air cooled, diesel engine
Engine Make		Lombardini
Engine Model		12LD475-2
Power @ 3000 rpm	Hp (kw)	20.9 (15,6)
Operating Speed	rpm	2600 ±100
Alternator	V / Amp	12 / 16.5 @ 2600 rpm
Battery	type	12V - Sealed - 800 cold starting amps
Air Cleaner	type	Dry pleated paper elements
Valve Clearance - intake / exhaust	in. (mm)	0.006–0.008 (0,15–0,20)
Fuel	type	No. 2 Diesel
Fuel Consumption	gal.(l)/hr.	1.1 (4,2)
Fuel Tank Capacity	gal. (l)	5.6 (21)

Roller		RT560	RT820
Overall Dimensions (l x w x h)	in. (mm)	80 x 22 x 48 (2030 x 560 x 1220)	80 x 32 x 48 (2030 x 820 x 1220)
Operating Weight	lb.(kg)	2830 (1283)	2960 (1345)
Area Capacity	ft².(m²) / hr.	7500 (690)	10900 (1016)
Inside Turning Radius	in. (m)	63 (1,6)	58 (1,5)
Low Speed	ft. (m)/min.	68 (21)	
High Speed	ft. (m)/min.	136 (41)	
Vibration Frequency	vpm (Hz)	2400 (40)	
Gradeability with Vibration	%	50	
Gradeability w/o Vibration	%	55	

Lubrication	Type	Quantity
Engine Crankcase	CD rated - see Section 2.5	2.5 qt. (2.5 liters)
Hydraulic System Exciter	*SAE 10W30 - Hydraulic Fluid SAE 10W30	10.5 gal. (40 liters) 32 oz. (950 ml)
Drum Drive Gearcase	SAE 10W30	8 oz. (240 ml)
Articulated Joint	Shell Alvania No. 2	As required
Steering Cylinder	Shell Alvania No. 2	As required

* See Section 2.16 "Hydraulic Oil Requirements".