4200 TECHNICAL SPECIFICATIONS

Engine	
Model	Kohler Command Pro CH22S
Engine oil volume, quarts/liters	2/1.9
Gasoline tank volume, gal/liters	33.0/11
Type	Air cooled, 4-cycle, twin cylinder, hydraulic overhead valves, gasoline engine
Air filter	Tri phase remote mount canister style
Oil system	Full pressure lubrication with spin-on oil filter
Muffler	Low noise, side exhaust
Emissions	Complies with EPA Phase 2 and CARB Tier II USA regulations
Cooling	Air cooled
Cylinder	Aluminum with cast iron liner
Controls	nstrument panel mounted manual choke, electric switch operated throttle, keyed on/off switch

Weight and Dimensions	
Weight – dry, lbs/kg	472/214
Weight with gasoline and oil full, lbs/kg	496/225
Length (handle folded in), inch/mm	59/1499
Width, inch/mm	30/762
Height, inch/mm	38/965

Blade	
Material cut	Green concrete only
Blade type	13.5" (343 mm) or 12.0" (305 mm) dry cut with tri-arbor
Blade rotation	Counter clockwise, upcutting

Blade shaft speed, rpm	3500
Cutting depth	3 inch maximum (76 mm) depending on blade size and amount of blade wear
Cutting distance from wall, inch/mm	3 1/2 / 89

Average cutting rate - Estimate only. Speed will vary with job conditions and concrete mixes.		
	3 inch (76 mm) depth	2 inch (51 mm) depth
Soft aggregates, ft/min / m/min	16/4.9	26/7.9
Medium aggregates, ft/min / m/min	12/3.7	18/5.5
Hard aggregates, ft/min / m/min	8/2.5	10/3.0

Blades are available in 13.5 inch (343 mm) and 12 inch (305 mm) diameters and in 0.100 inch (2.5 mm), 0.250 inch (6.4 mm), 0.380 inch (9.7 mm), and 0.500 inch (12.7 mm) widths.

Noise emissions (see note 1)	
Sound power level, measured dB(A)	105
Sound power level, guaranteed dB(A)	106
Sound levels (see note 2)	
Sound pressure level at the operators ear, dB(A)	91
Vibration levels, a_{hv} (see note 3)	
Handle right, m/s^2	3,4
Handle left, m/s^2	3,6

Note 1: Noise emissions in the environment measured as sound power (L_{WA}) in conformity with EC directive 2000/14/EC.

Note 2: Noise pressure level according to EN 13862. Reported data for noise pressure level has a typical statistical dispersion (standard deviation) of 1.0 dB(A).

Note 3: Vibration level according to EN 13862. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 1 m/s^2.

TECHNICAL DATA

CALIFORNIA AIR RESOURCES BOARD (CARB): This machine is considered a preempt Off-Road Application as relating to CARB standards. Under construction equipment, and in particular, as a Saws : concrete, masonry, cutoff, with engine power less than 19KW (25hp), CARB standards do not apply to this machine.

For more information see the website **http://www.arb.ca.gov/msprog/offroad/preempt.htm**

EC DECLARATION OF CONFORMITY

Husqvarna AB, SE-433 81 Göteborg, Sweden, tel: +46-31-949000, declares under sole responsibility that the **Husqvarna Soff-Cut 4200** dating from 2010 serial numbers and onwards (the year is clearly stated on the rating plate, followed by the serial number), complies with the requirements of the COUNCILiS DIRECTIVE:

- of May 17, 2006 "relating to machinery" 2006/42/EC
- of December 15, 2004 "relating to electromagnetic compatibility" 2004/108/EC.
- of May 8, 2000 "relating to the noise emissions in the environment" 2000/14/EC.

The following standards have been applied: EN ISO 12100:2003, EN 55014-1:2006, EN 55014-2/A1:2001, EN 61000-3-2:2006, EN 61000-3-3/A1/A2:2005, EN 13862/A1:2009.

Huskvarna December 29, 2009

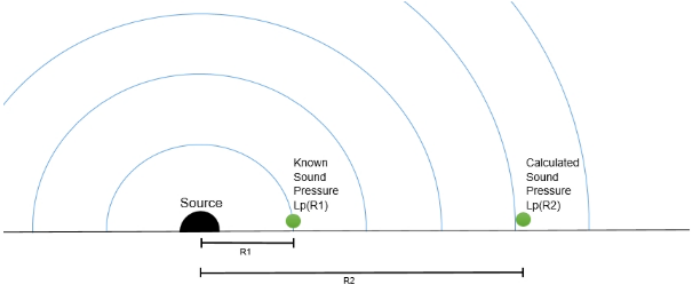
Henric Andersson
Vice President, Head of Power Cutters and Construction Equipment
(Authorized representative for Husqvarna AB and responsible for technical documentation.)

Sound Attenuation Calculator - Inverse Square Law

The formula to calculate sound attenuation over distance for a **point source** is:

$Lp(R2) = Lp(R1) - 20 \cdot Log_{10}(R2/R1)$

Where:
Lp(R1) = Known sound pressure level at the first location (typically measured data or equipment vendor data)
Lp(R2) = Unknown sound pressure level at the second location Location
R1 = Distance from the noise source to location of known sound pressure level
R2 = Distance from noise source to the second location



Known sound pressure level (dB(A))

91

Select Metric or Imperial Units:

- ○ Metric
- ◉ Imperial

Distance from source for known sound pressure level (R1) (ft)

1

Tested sound pressure levels are commonly given at 1m or 3ft (R1)

Distance from source to position R2 (ft)

1300

Attenuated sound pressure level (dB(A))

28.7

NOISE LEVELS