

**Atlas Copco Powercrusher**

# **Technical specification PC 6**



*Sustainable Productivity*

**Atlas Copco**

## Specifications

Engine	PC 6 (metric)	PC 6 (imperial)
Engine make	CAT	
Engine model	C13 Tier 4 (C11 Tier 3)	
Engine power	287 kW (287 kW)	385 HP (385 HP)
Engine type	4 cycle, water cooled, direct injection	
Air cleaner	CAT pre cleaner	
Emission certification	EPA Tier 4i (Tier 3)	
<b>Hydraulic system</b>		
Hydraulic type	Open circuit	
Hydraulic pump	Radial piston pump	
Cooler and max ambient temp (celcius)	Combi cooler - 50 degrees C	
<b>Electrical system</b>		
Voltage	24V DC	
Batteries	2 x 12V 180 Ah	
Alternator	CAT 24V 95A (CAT 24V 65A Tier 3)	
<b>Undercarriage</b>		
Track adjuster	Hydraulic	
Number of shoes each side	55	
Number of track rollers	10 + 10	
Wheel base	3 782 mm	12' 4"
Track width (inside/outside)	1 960 / 2 960 mm	6' 5" / 9' 8"
Track chain width	500 mm	20"
Travel speeds	1.10-1.90 km/h	0.68-1.18 mph
Max. travel speed (KPH)	1.90 km/h	1.18 mph
Hill climbing ability (degrees)	25.8°	
<b>Crusher</b>		
Crusher box weight	17 650 kg	38 911 lbs
Shaft excentricity	13 mm	½"
Inlet opening	1 300 x 800 mm	51" x 31"
Outlet to conveyor belt dimension	795 mm	31"
Jaw plate data	758 kg	1 671 lbs
Gap setting range CSS standard*	70-135 mm	2.5" - 5"
Crusher revolution	270 at max engine rpm	
Flywheel diameter	1 500 mm	59"
Number of V-belts and specification	8 x 8500SPC	
Setting adjustment	Hydraulic adjust with shim plates	
Drive type	Over KPTO-19 trans. with V-belts	
<b>Feedhopper</b>		
Charging volume	9 m <sup>3</sup>	11.8y <sup>3</sup>
Charging height	4 200 mm (with walls)	13' 9" (with walls)
Charging width	2 800 mm	9' 2"
Charging length	4 120 mm	13' 6"

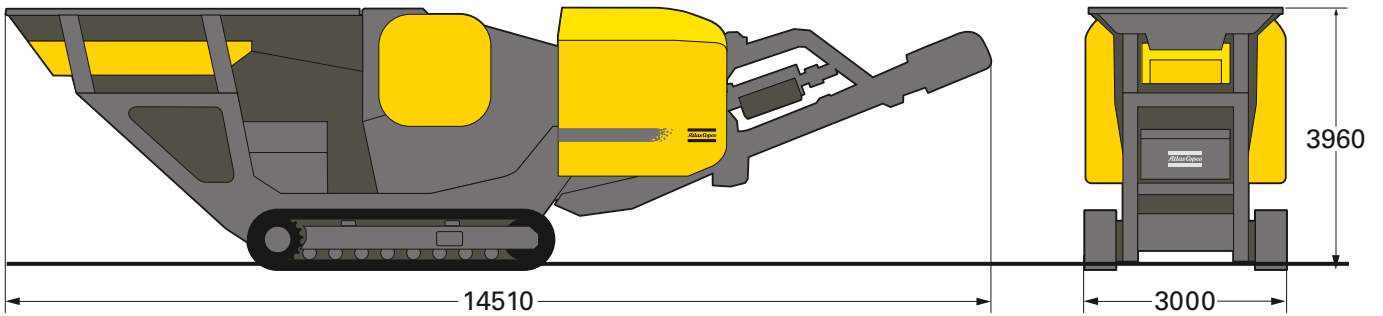
\* To be read in conjunction with operating manual

## Specifications

Vibrating feeder with pre-screen section	PC 6 (metric)	PC 6 (imperial)
Length	4 677 mm	15' 4"
Width	1 162 mm	46"
Grid openings	40-50 mm straight	1.5" x 2" straight
Grid dimensions L / W	1 800 x 1 140 mm	71" x 45"
Double deck ( YES / NO )	YES	
Lower deck mesh size	25 mm	1"
Vibro drive type and displacement (cc)	Hydraulic motor - 50cc	
Indep double deck pre-screen drive and displacement (cc)	Hydraulic motor - 55cc	
<b>Main conveyor</b>		
Main conveyor width and length	1 200 / 20 450 mm	48' / 67'
Belt specification	EP500/3 10+3 seamless 19mm THK steel reinforced	
Main conveyor discharge height	3 323 mm	10' 10"
Drive drum diameter	Ø372mm	Ø14"
Belt speed	1.70 m/s	5.5 ft/s
Drive type and displacement (cc)	Hydraulic motor - 750cc	
<b>Side Conveyor</b>		
Side conveyor width and length	800 / 10 350 mm	31" / 33' 11"
Side conveyor discharge height	2 954 mm	9' 8"
Drive drum diameter	Ø254 mm	Ø10"
Belt speed	2.73 m/s	9 ft/s
Drive type and displacement (cc)	Hydraulic motor - 315cc	
<b>Magnetic seperator</b>		
Magnetic separator make	Eriez UK	
Type	Permanent	
Belt width	750 mm	29"
<b>Dimensions</b>		
Operation length	14 552 mm	47' 9"
Opeartion height	4 895 mm	16' 1"
Operation width	6 386 mm	20' 11"
Transport length	14 510 mm	47' 7"
Transport height	3 960 mm	12' 11"
Transport width	3 000 mm	9' 10"
Length of track on ground	3 782 mm	12' 4"
Ground clearance	231 mm	9"
<b>Weight</b>		
Total weight	55 000 kg	121 250 lbs
Ground pressure	1.43 bar	20 lb/ sq inch
<b>Volumes</b>		
Refill capacity - coolant	39 ltr	10 gallon
Refill capacity - fuel tank	900 ltr	238 gallon
Refill capacity - engine	35 ltr	9 gallon
Refill capacity - hydraulics	850 ltr	225 gallon
Refill capacity - clutch	40 ltr	10 gallon
Refill capacity - transmission distribution	N/A	
Refill capacity - final drives, each	18 ltr	5 gallon
Refill capacity - vibrating hopper	4 ltr	1 gallon



## Transport dimensions



## Product features

