



Piston Rock Splitter

Product Overview

The piston rock splitter is a new type of rock-breaking equipment. In many large rock-breaking construction sites, such as road construction or building foundation sites, if it is difficult for handheld wedge rock splitters to achieve large-scale rock removal requirements, it is the best way. Hydraulic pump unit is mechanically amplified by a supercharger, an oil cylinder generating thousands of tons of splitting force, which push pistons to extend out and split rocks in designed direction. There is no vibration, no noise and no flying stones during the whole process.

Product Specification

Hydraulic pump station							
Type	Diesel			Electric			
Power	15HP			7.5KW			
Rated pressure	100Mpa			100Mpa			
Peak pressure	150Mpa			150Mpa			
Low-pressure flow	10L/min			8L/min			
High-pressure flow	4.5L/min			3.8L/min			
Operation temperature	-20℃ to 85℃			-20℃ to 85℃			
Oil tank volume	100L			100L			
Diesel tank volume	10L			/			
Weight	315Kg			185Kg			
Dimensions	1100*1015*980mm			950*830*1250mm			
Piston rock splitter							
Model	Unit	DL-90	DL-110	DL-130	DL-150	DL-180	DL-220
Diameter	mm	φ85	φ105	φ125	φ145	φ175	φ215
Length	mm	640	720	750	780	1020	1120
Piston diameter	mm	50	60	70	80	100	110
Piston max stroke	mm	25	34	38	48	56	70
Drilling diameter	mm	φ90	φ110	φ130	φ150	φ180	φ220
Drilling depth	mm	≥1000	≥1000	≥1000	≥1000	≥1500	≥1500
Theoretical splitting force	Ton	1580	2160	2550	3070	3680	4210
Effective splitting force	Ton	≈1500	≈2000	≈2400	≈2900	≈3500	≈4100
Weight	Kg	31	46	78	95	127	213