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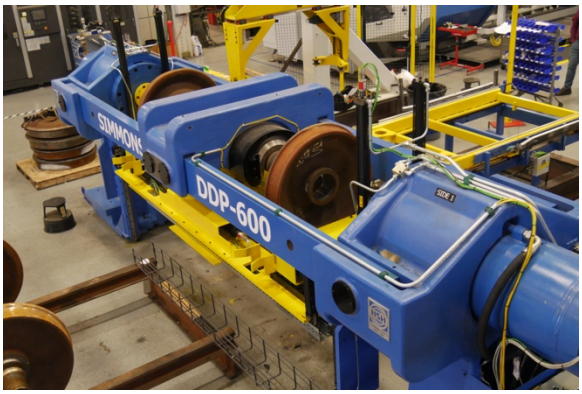
Simmons DDP-600 Dual End Demount Press Data Sheet

The **Simmons DDP-600 Dual End Demount Press** disassembles wheels from railway wheel sets. It has a maximum force capability of 600 tons and is capable of demounting a wheel set every 150 seconds (including loading and unloading).

The machine consists of a hydraulic cylinder beam assembly at each end of the press. Both rams have embedded distance transducers to provide ram and axle position information to the operator at all times. The press can be recessed into a shallow pit to optimize the working height of the press and accept wheel sets from embedded shop rails. It can also be used entirely above floor to minimize the installation costs.

The press is capable of demounting a wheel set every 150 seconds. The load and unload time varies depending on the optional handling equipment selected.



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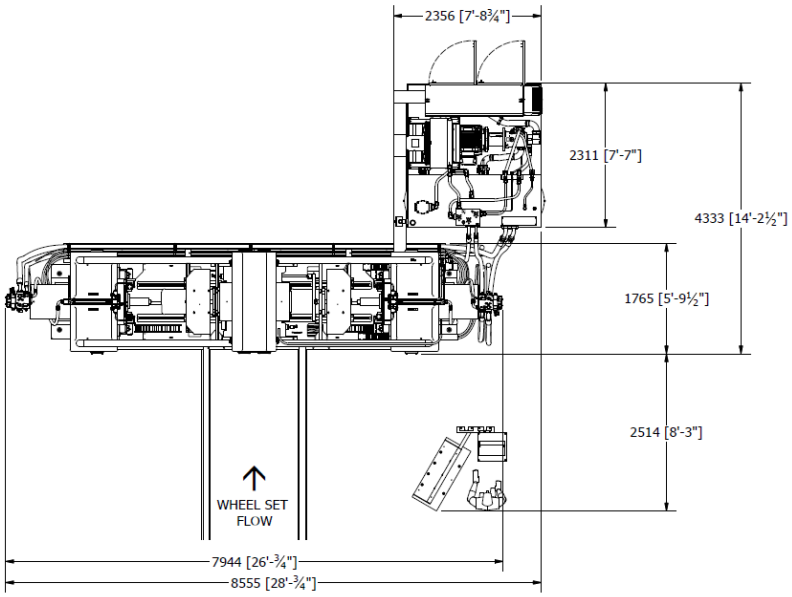

Machine Dimensions

Press Length	313 in.	8 m
Press Width	70 in.	1.8 m
Press Height (without pit)	95 in.	2.4 m
Total Weight (Not Including HPU)	57,000 lbs.	25,900 kg
Distance Between Tie Bars	48 in.	1219 mm
Ram Stroke	36 in.	914 mm

General Specifications

Cycle Time	150 seconds	
Maximum Pressing Force	600 tons	5330 kN
Rapid Ram Extend Speed	120 in/min	50 mm/s
Rapid Ram Retract Speed	140 in/min	60 mm/s
Maximum Pressing Speed	11 in/min	4.5 mm/s

Utility Requirements

Electrical Power	73 kW

Wheel Set Dimensions

Maximum Wheel Diameter	44 in.	1117 mm
Minimum Wheel Diameter	28 in.	711 mm
Maximum Axle Length	102 in.	2590 mm
Maximum Axle Diameter	10.5 in.	265 mm

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