



Specifications (English Units)	525
Operating Data	
Rated Striking Energy, ft-lbs	125,00
Blows per Minute, Normal Stroke, No Set	36
Normal Stroke, Inches	60
Rated Operating Pressure at Hammer, psi	150
Steam Consumption, 1bs/hr	5,940
Required Boiler Horsepower	200
Air Consumption (Adiabatic), cfm	1484
Required Air Compressor Size, cfm	1500
Dimensional Data	
Bore, inches	18
Net Area of Piston, sq. in.	238.6
Length of Hammer (overall), in.	285
Distance Across Female Jaws. in.	26
Width of Female Jaws, in.	9.25
Largest Outside Diameter of Pile, in.	24
Size of Hose, in.	2.5
312e 01 H05e, III.	2.3
Weight Data	
Weight of Striking Parts, 1bs.	25,000
Net Weight of Hammer, 1bs.	36,600
Specifications (SI Units)	525
Operating Data	323
Rated Striking Energy, kJ	169.5
Blows per Minute. Normal Stroke. No Set	36
Normal Stroke, mm	1524
Rated Operating Pressure at Hammer, kPa	1034
Steam Consumption, kg/hr	2.694
Air Consumption (Adiabatic), m /min	42.0
Required Air Compressor Size. m /min	42.5
	42.5
Dimensional Data	
Bore, mm	457
Net Area of Piston, cm	1539.4
Lenght of Hammer (overall),m	7239
Distance Across Female Jaws, mm	660
Width of Female Jaws, mm	235
Largest Outside Diameter of Pile, mm	610
Size of Hose, mm	64
Mass Data	
Mass of Striking Parts, kg	11,340
Net Mass of Hammer, kg	16.601

Additional Assembly Drawings: Ram Repair -- D-35041 Steam Chest Bushing Assembly -- C-35240 Sheave Assembly -- C-35242 Trip Shifting Assembly -- D-35363 Packing Gland Assembly -- A-35364

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	umber 35373	Pattern 1	lumber		
Rough I		Finished			
Surfac	Standard Tolerances (Unl es: Square, parallel, concentr				
	Full length of surface				
Decima	Dimensions:Machined to +00 onal Dimensions:No machining r	5" or .1mm	, 125 rms	finish	
	una: pinensions:No machining r	equirea, 5	oo rms fii	1158	
	Sand Cast Surf				

ractional Dimensions:No machining required, 500 rms finish
Sand Cast Surfaces +1/8° or 3mm
All others +1/64° or .4mm
mgles:Within +0 Deg. 30 min. Reference if otherwise dimensioned
orner:HMinimum Radius. D625° or 1.5mm, Stendard 1/8° or 3mm
All sharp corners to be broken

Vulcan Iron Works Inc.

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D-35373

Name 525 Hammer -- General Assembly

Rev.