



Specifications (English Units)	515
Operating Data	313
Rated Striking Energy, ft-1bs	75.000
Blows per Minute, Normal Stroke, No Set	36
Normal Stroke, Inches	60
Rated Operating Pressure at Hammer, psi	90
Steam Consumption. lbs/hr	3.795
Required Boiler Horsepower	150
Air Consumption (Adiabatic), cfm	1077
Required Air Compressor Size, cfm	1100
Required Air Compressor Size, Cim	1100
Dimensional Data	
Bore. inches	18
Net Area of Piston, sq. in.	238.6
Length of Hammer (overall), in.	246
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
Weight Data	
Weight of Striking Parts, 1bs.	15,000
Net Weight of Hammer, lbs.	26,100
Specifications (SI Units)	515
Operating Data	
Rated Striking Energy, kJ	101.7
Rated Striking Energy, kJ Blows per Minute, Normal Stroke, No Set	36
Rated Striking Energy, kJ Blows per Minute, Normal Stroke, No Set Normal Stroke, mm	36 1524
Rated Striking Energy, kJ Blows per Minute, Normal Stroke, No Set Normal Stroke, mm Rated Operating Pressure at Hammer, kPa	36 1524 621
Rated Striking Energy, kJ Blows per Minute, Normal Stroke, No Set Wormal Stroke, mm Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr	36 1524 621 1,721
Rated Striking Energy, kJ Minute Normal Stroke, No Set Normal Stroke, mm Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Air Consumption (Adiabatic), m /min	36 1524 621 1,721 30.5
Rated Striking Energy, kJ Minute Normal Stroke, No Set Normal Stroke, mm Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Air Consumption (Adiabatic), m /min	36 1524 621 1,721
Rated Striking Energy, kJ Blows per Minute, Normal Stroke, No Set Normal Stroke, mm Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Air Consumption (Adiabatic), m /min Required Air Compressor Size, m /min	36 1524 621 1,721 30.5
Rated Striking Energy, kd Blows per Minute, Normal Stroke, No Set Normal Stroke, am Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Nr Consumption, kg/hr Required Air Compressor Size, m /min Dimensional Data	36 1524 621 1,721 30.5 31.1
Rated Striking Energy, kJ alows per Minute, Normal Stroke, No Set Normal Stroke, mm Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Air Consumption, ddiabatic), m /min Required Air Compressor Size, m /min Dimensional Data Bore, mm	36 1524 621 1,721 30.5 31.1
Rated Striking Energy, kJ slows per Minute, Normal Stroke, No Set Normal Stroke, am Atade Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Air Consumption (Adiabatic), m /min Required Air Compressor Size, m /min Jimensional Data Bore, mm Vet Area of Piston, cm	36 1524 621 1,721 30.5 31.1
Rated Striking Energy, k3 Blows per Minute, Normal Stroke, No Set Normal Stroke, mm Rated Operation Stroke, me Rated Operation Stroke, me Rate Operation Stroke, me Rate Operation Stroke Air Consumotion (Adiabatic), m /min Regulred Air Compressor Size, m /min Dimensional Data Net Area of Piston, cm Lenght of Hammer (overall), m	36 1524 621 1,721 30.5 31.1 457 1539.4 6248
Rated Striking Energy, kJ Blows per Minute, Normal Stroke, No Set Normal Stroke, mm Rated Operating Pressure at Hammer, kPa Steam Consumption, kg/hr Air Consumption (Adiabatic), m /min Required Air Compressor Size, m /min Dimensional Data Bore, mm Ret Air Compressor Size, m /min Dimensional Operation (Adiabatic), m /min Bore, mm Dimensional Operation (Adiabatic), m /min Dimensional Operation (Adiabatic),	36 1524 621 1,721 30.5 31.1 457 1539.4 6248 660
Rated Striking Energy, ka Blows per Minute, Normal Stroke, No Set Normal Stroke, mm Stead Operation Pressure at Hammer, kPa Steam (consumption, ka/hr Af Consumption, Ka/hr Af Consumption, Adiabatic), m./min Negulred Air Compressor Size, m./min Dimensional Data Bore, mm Lendit of Hammer (overall), m Lendit of Hammer (overall), m Lendit of Hammer (overall), m	36 1524 621 1,721 30.5 31.1 457 1539.4 6248 660 235
Rated Striking Energy, kJ alows per Minute, Normal Stroke, No Set Normal Stroke, mm Atted Operating Pressure at Hammer, kPa steam Consumption, kg/hr Air Consumption (Adiabatic), m /min Required Air Compressor Size, m /min Dimensional Data Bare, mm Length of Hammer (overall), m Length of Hammer (overall), m Joitance Across Female Jaws, mm Aidth of Female Jaws, mm Largest Dutside Diameter of Pile, mm	36 1524 621 1,721 30.5 31.1 457 1539.4 6248 660 235 610
Rated Striking Energy, kd slows per Minute, Normal Stroke, No Set Normal Stroke, mm steed Operating Pressure at Hammer, kPa steen Consumption, ka/hr st. Consumption, ka/hr st. Consumption, Adalphati), m./min Pressured Air Compressor Size, m./min steen Team and the Strike str	36 1524 621 1,721 30.5 31.1 457 1539.4 6248 660 235
Nated Striking Energy, kj Blows per Minte, Normal Stroke, No Set Stormal Stroke, mm Stro	36 1524 621 1,721 30.5 31.1 457 1539.4 6248 660 235 610
Rated Striking Energy, kJ alows per Minute, Normal Stroke, No Set Normal Stroke, mm Atted Operating Pressure at Hammer, kPa steam Consumption, kg/hr Air Consumption (Adiabatic), m /min Required Air Compressor Size, m /min Dimensional Data Bare, mm Length of Hammer (overall), m Length of Hammer (overall), m Joitance Across Female Jaws, mm Aidth of Female Jaws, mm Largest Dutside Diameter of Pile, mm	36 1524 621 1,721 30.5 31.1 457 1539.4 6248 660 235 610

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

	Date By Apr's
	-
	\longrightarrow
0.0%	0
Drawn D C Warrington	Date 12 16 94
<u>Checked</u> Approved	Date
Material	Date
Part Number 35371 Pr	Pattern Number
Rough Weight F	Pattern Number Finished Weight
Standard Tolerances (Unless Surfaces: Square, parallel, concentric, Full length of surface Decimal Dimensions:Machined to +- 005° Fractional Dimensions:No machining requ	s Otherwise Specified) ., & straight within 0.04%
Sand Cast Surface All others +:1/6- Angles:Within +:0 Deg. 30 min., Referer Corners:Minimum Radius .0625° or 1.5mm, All sharp corners to be broken	quired, 500 rms finish res +-1/8" or 3mm

Vulcan Iron Works Inc.

NOTICE:This drawing discloses confidential ideas and information that are the property of VULCAM IRON WOMES INC., and a special piedge of good raith and secrety that disclosure and use of the trade secrets shall not be made without the prior written authorization of VULCAM IRON WOMES INC., P. 0. Res MSQ. Chattenespa, N. 2014

Rev.

D-35371

Name 515 Hammer -- General Assembly