



VULCAN IRON WORKS INC.

SPECIFICATIONS



SUPER-VULCAN PILE HAMMER

Size 50C

Model No. 02S100 Spec. No. 2258

OPERATING DATA

Rated Striking Energy.....	15,100 Ft. Lb.....	2,087 kg m
Blows Per Minute @ Rated Pressure.....	120.....	120
Nominal Stroke.....	15.5 In.....	393 mm
Equivalent Stroke.....	3.01 Ft.....	917 mm
Striking Velocity @ Impact.....	13.96 FPS.....	4.25 m/sec.
Max Force @ Impact.....	2,172,250 Lb.....	985,332 kg
Rated Operating Pressure @ Hammer.....	120 p.s.i.....	8.43 kg/cm ²
Steam Consumption — From & @ 212° F./100° C.....	4,312 Lb./hr.....	1,955 kg/hr.
Air Consumption — (Adiabatic Compression).....	880 CFM.....	24.90 cu m/min.
Boiler H.P. Reqd. — ASME Rating.....	125 USHP.....	126 MHP
√EW Rating @ Energy Rating.....	8,689.....	8,689

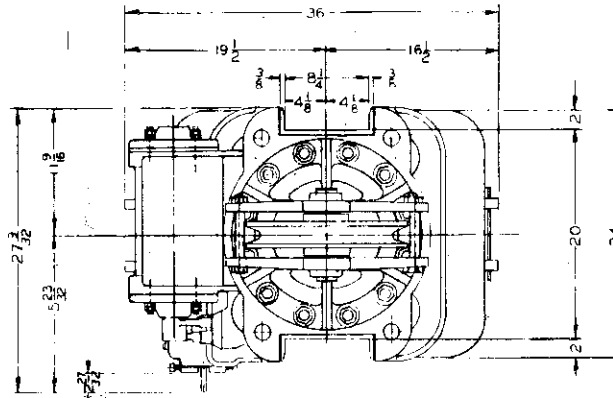
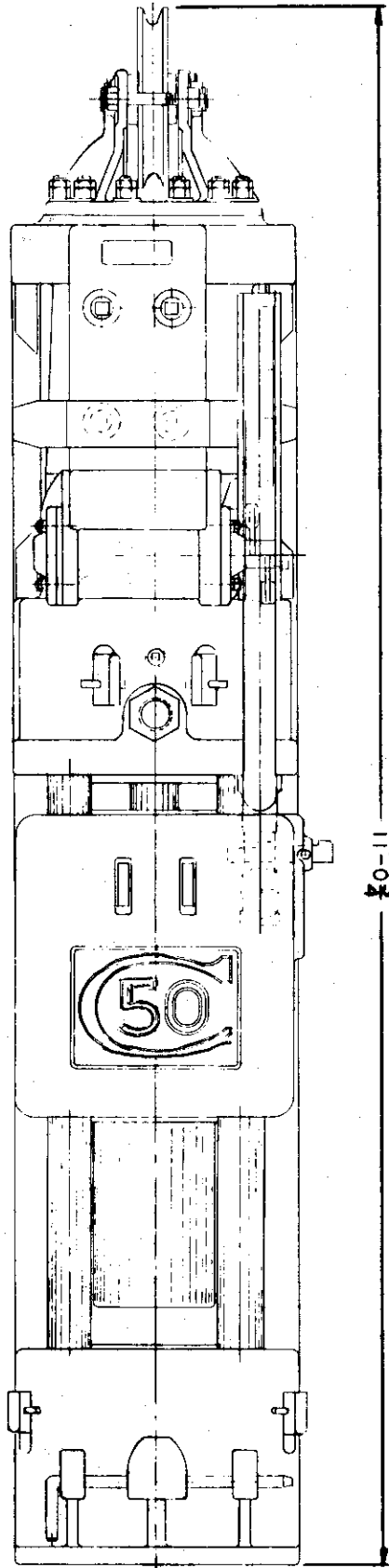
DIMENSIONAL DATA

Diameter of Small Piston.....	8 7/16 In.....	214 mm
Area of Small Piston.....	55.91 Sq. In.....	360.71 cm ²
Length of Hammer — Overall.....	11 Ft.....	3,372 mm
Distance Across Jaws.....	20 In.....	508 mm
Width of Jaws.....	8 1/4 In.....	210 mm
Largest Diameter of Pile*.....	17 In.....	432 mm
Size of Hose.....	2 In.....	50 mm

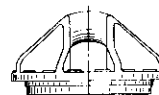
WEIGHT DATA

Weight of Striking Parts.....	5,000 Lb.....	2,268 kg
Net Weight of Hammer.....	11,782 Lb.....	5,344 kg
Shipping Weight of Hammer.....	12,175 Lb.....	5,522 kg

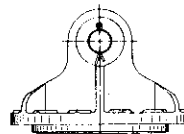
*Permitted by Standard Jaws



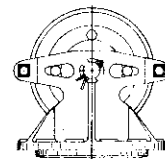
CYLINDER HEAD OPTIONS



BAR TYPE



SAND DRAIN TYPE



SHEAVE TYPE