



## **PAM35 - Technical Data**

### **DESCRIPTION**

The P.A.M. is an ergonomic positioning device that makes effortless manipulation of heavy hand held tools. It also significantly decreases the vibration generated by many tools. The P.A.M. is composed of the four following sub-groups :

- ◆ The hydraulic booms allow the positioning of the tool handling turret. The use of hydraulics and a an efficient rotating base locking mechanism, provide the stiffness required to handle all the incur-ring loads along with a very stable work position. Should there be a hydraulic hose failure, both cyl-inders are equipped with safety valves preventing the collapse of the booms in order for them to maintain their positions.
- ◆ Many type of tools (30kg - 40 Lbs or less) can be mounted on the turret. (Pneumatic hammer, rock drill hydro-demolition tool, etc.) It also allows 3 degrees of freedom and incorporates a 200mm (8 inches) forward moving carrier that greatly reduces the vibrations generated by the tool.
- ◆ Compressed air is used to generate both the electric & hydraulic energy required to use the P.A.M. in a self-contained & environmental friendly fashion. The power unit is equipped with complete compressed air processing (filtering & lubrication).
- ◆ On-site manual displacements are performed with the under buggy. This buggy is also equipped with 3 stabilizers for optimal working stability. To the 4 standard wheel casters, 2 optional Rough Terrain Wheels (RTW) can easily be added or removed to fit through narrow paths.

### **CHARACTERISTICS**

Weight: 525 kg - 1150 Lbs (Without Tool)

Dimensions & Surface Coverage: Pages 2, 3 & 4

Operating temperature: -15 to 40 °C - (5 to 104°F)

Pneumatic oil mixed with antifreeze (Killfrost) may be required based on operating temperature

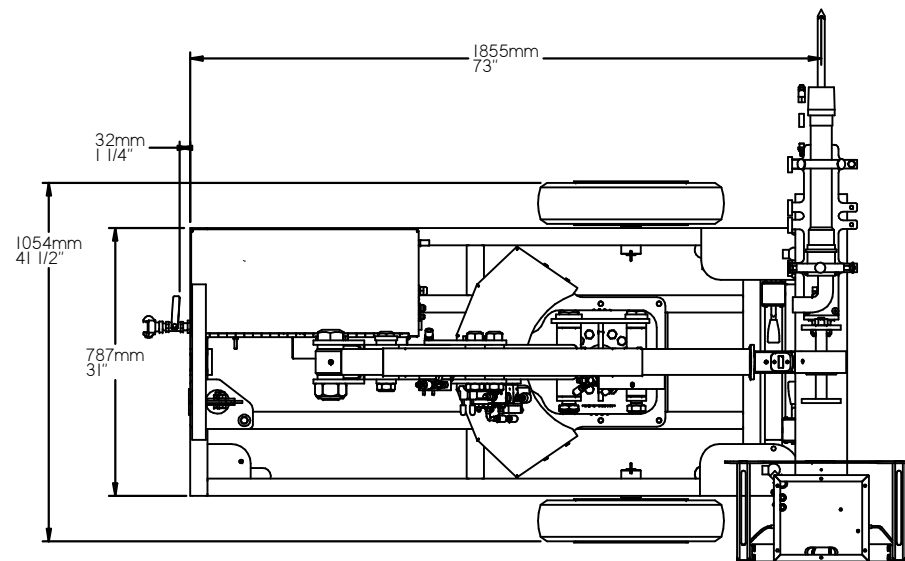
Power Unit air consumption: 700 LPM @700 kPa - (25 CFM @ 100 PSI)

Electric System:      Tension : 12VDC  
                             Power : 180 Watt  
                             Control : IP65

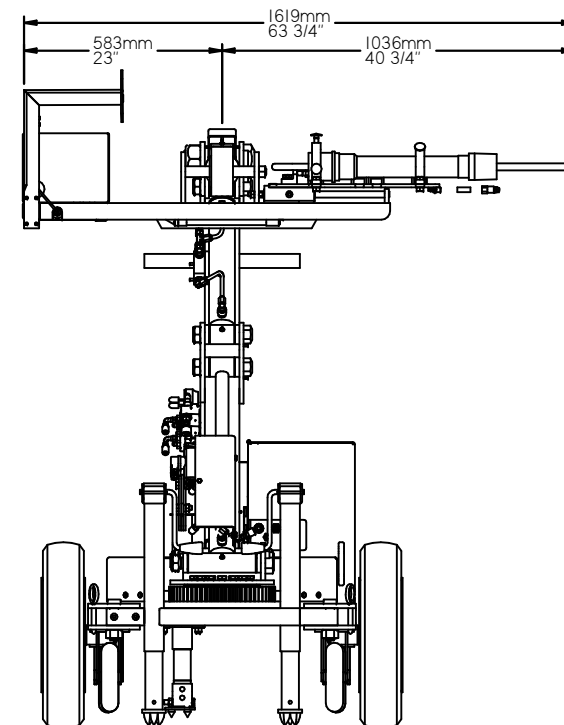
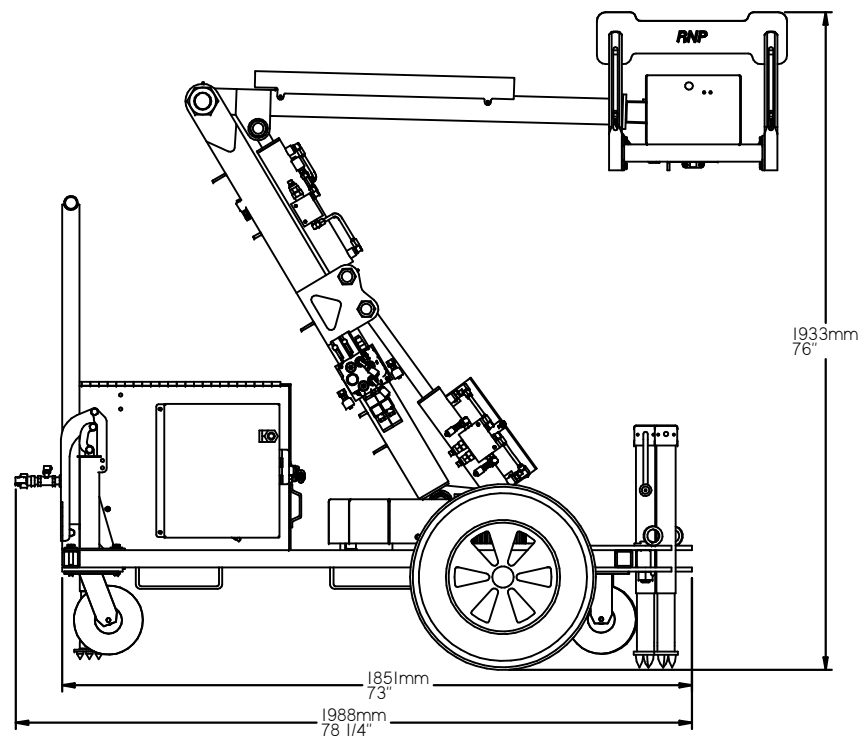
Hydraulic System: Flow 2.8 LPM - (0.74 GPM)  
                             (adjustable)  
                             Pressure 90 Bar - (1300 PSI)  
                             Oil grade 32  
                             Filtration 10 micron

Pneumatic System:    Max pressure: 800 kPa - (120 PSI)  
                             Filtration: 5 micron  
                             Automatic oiler  
                             Adjustable activation delay  
                             Applied pressure on work surface  
                             (by tool) 0 to 785 N (175 Lbf)  
                             Adjustable drawback speed

Mechanical Syst.:    Boom Rotation: 84°  
                             4° increment  
                             Bushing supports  
                             Dust suppressing water spray  
                             (30 LPH - 8 GPH)



PAM Ove 35 DIMENSIONS IN A  
CLOSED & CENTERED POSITION



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2014 PAM35 P1098 EXT DIM\_LOAD metrique CLOSED.dft / 2014-04-04

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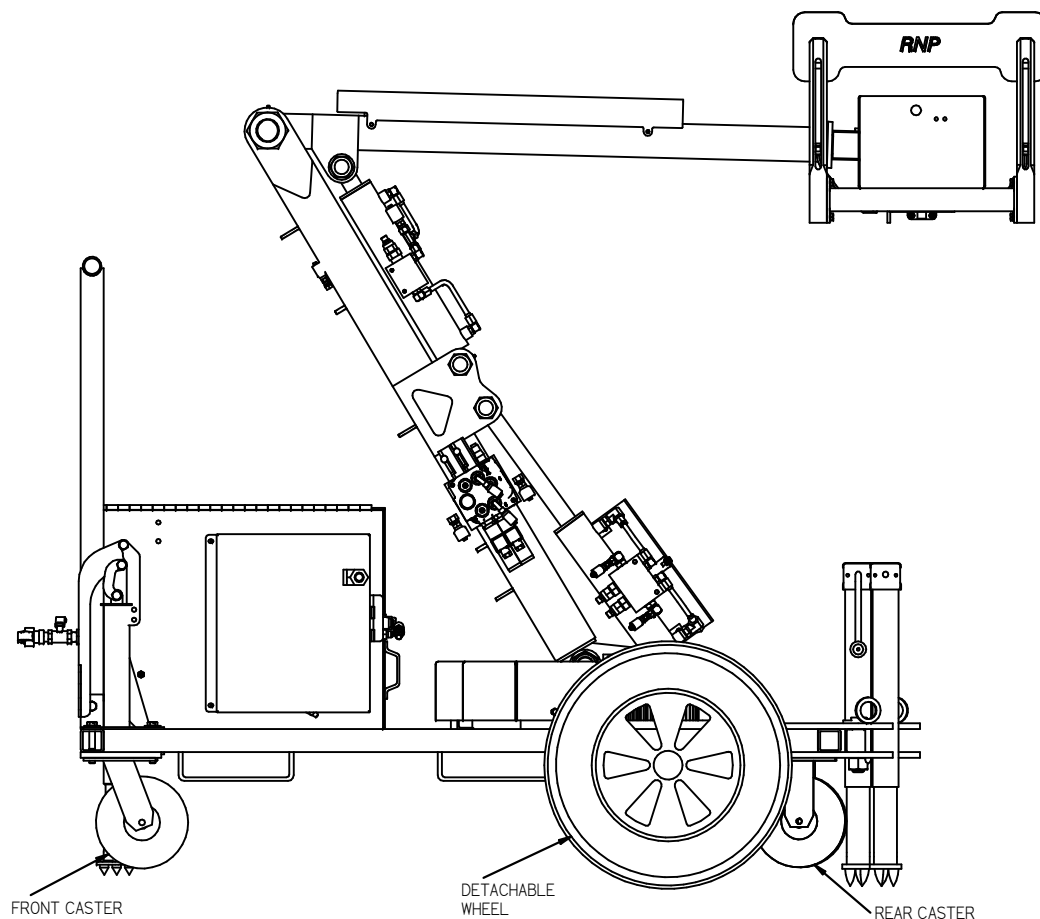
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PAM - GENERAL ASSEMBLY

REV.  
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# P.A.M. (PI098) WEIGHT DISTRIBUTION IN A CLOSED & CENTERED POSITION



WITH DETACHABLE WHEEL : FRONT CASTERS 300 LBS ( 136 Kg ) --- 150 LBS ( 68 Kg ) / CASTER

TIRES 900 LBS ( 408 Kg ) --- 450 LBS ( 204 Kg ) / TIRE

FRONT CASTERS 460 LBS ( 209 Kg ) --- 230 LBS ( 104 Kg ) / CASTER

WITHOUT DETACHABLE WHEEL : REAR CASTERS 690 LBS ( 313 Kg ) --- 345 LBS ( 156 Kg ) / CASTER

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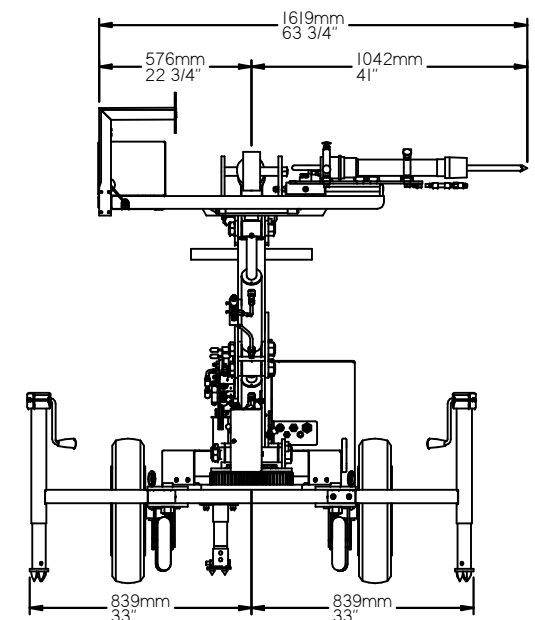
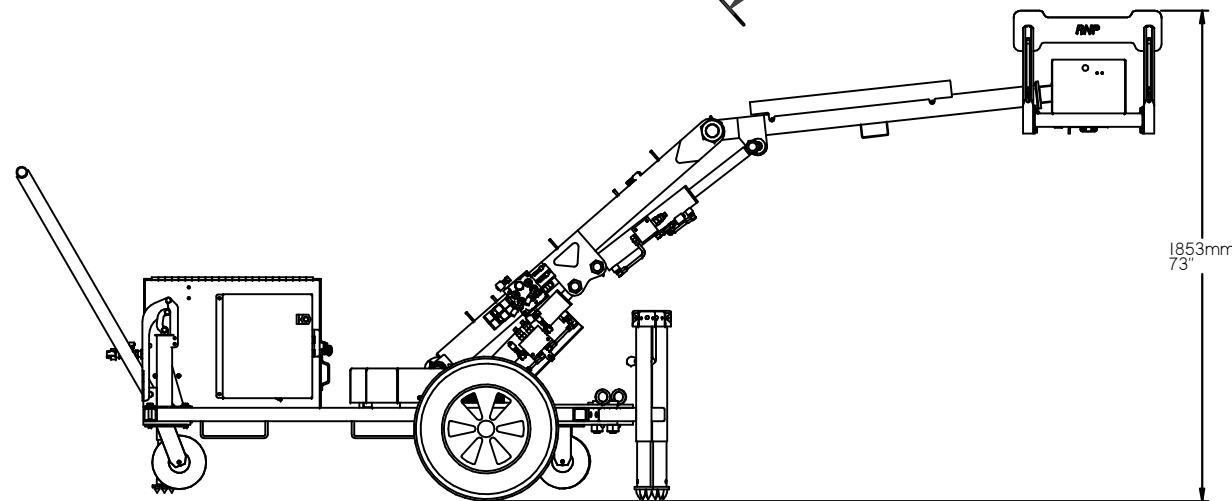
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2010 PAM P1098 WHEEL LOAD METRIQUE.dft / 2014-03-31

PAM - GENERAL ASSEMBLY

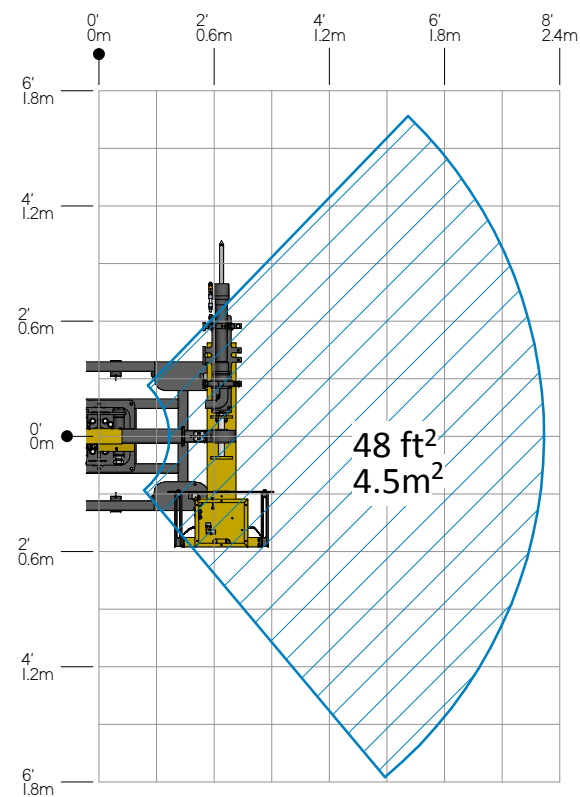
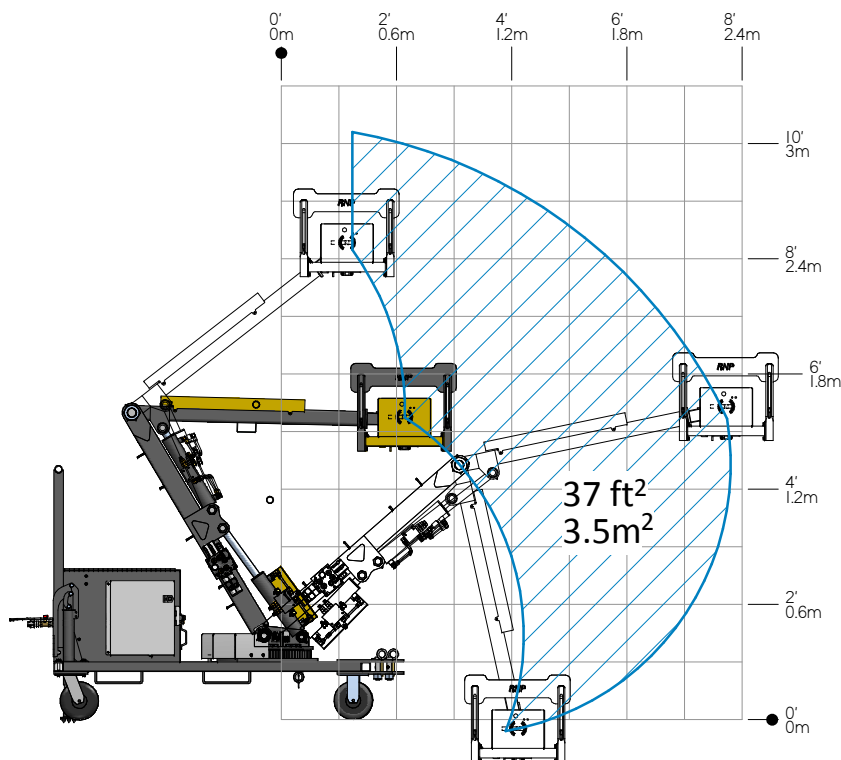
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NOTE :  
THE MAXIMUM APPLIED WEIGHT TO THE  
STABILIZER ARMS RANGE FROM 205 TO  
363 Kg (450 TO 800 LBS) DEPENDING ON  
THE WORK ZONE ANGLE  
(With a vertically applied dynamic load)



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# P.A.M. Surface Coverage



## NOTES

ALWAYS OPERATE THE P.A.M. IN A NATURAL STANDING POSITION

THE ILLUSTRATED SURFACE COVERAGE IS DEFINED BY THE TURRET'S BALL JOINT POSITION. THE SURFACE COVERAGE WOULD BE LARGER BY THE ROTATION OF THE TURRET BY THIS BALL JOINT.

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