

Hydraulic Ground Power Unit >HGPU50-30-15X<



PRODUCED IN USA

Hydraulic Ground Power Unit used for maintenance and testing of mainline aircraft hydraulic systems (ATA Chapter 29).

Designed for all aircraft types with 3000psi hydraulic systems and a flow rate of up to 50USgpm.

- > Easy pressure control using the 0psi or 3000psi push buttons as applicable
- > Very suitable hydraulic supply for "Ram Air Test Ground Checks"
- > Automatic over temperature shutoff feature at 160°F
- > Simple but sophisticated design
- > Ramp function for soft pressure build-up
- > Pressure and flow rates are infinitely variable and limitable

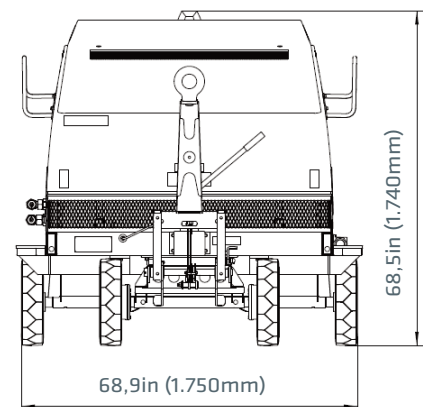
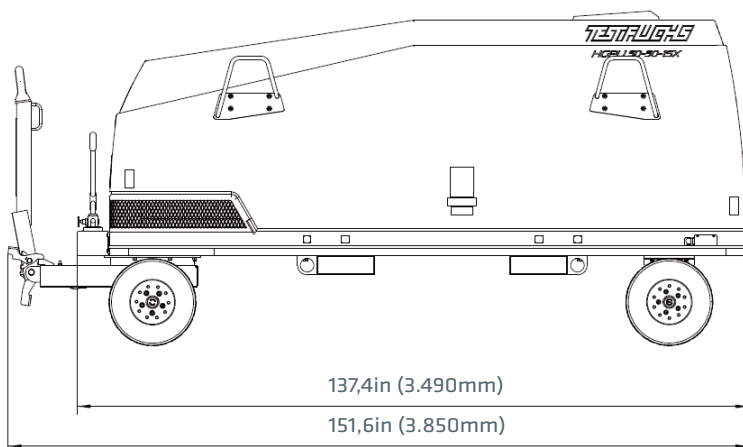
RANGE OF APPLICATION

- > The >HGPU50-30-15X< is especially designed for aircraft using Phosphate-Ester Hydraulic Oil ("Skydrol" or "Hyjet")
- > The components used for this type of unit are UL-certified and installed in compliance with CE-directives

GENERAL INFORMATION

- > The stainless steel hydraulic reservoir has a capacity of 63USgal (240l)
- > Hydraulic reservoir selection ("A/C" or "HGPU") via illuminated buttons on the control panel
- > Easy draining and filling of the aircraft reservoirs is carried out by "Fill" / "Drain" push buttons
- > Two large oil-air coolers fan operated ensure optimum cooling
- > Easy access is provided by the hydraulically operated cover
- > Maximum towing speed is 15mph (25km/h)
- > Electrical softstart
- > Sampling ports
- > Coupling kit female for all 3000psi AIRBUS and most 3000psi BOEING aircraft (except B707 and B737 classic)

DIMENSIONS AND WEIGHT



Empty weight: 5.732lb (2.600kg)

TECHNICAL DATA

<p>> Hydraulic Parameters:</p> <p>High Pressure Circuit: 100 to 3000psi at max. 50gpm (6,9 to 206,8bar at max. 189,3lpm)</p> <p>Phospate-Ester Hydraulic Oil ("Skydrol" or "Hyjet")</p> <p>Filter: 3 micron in filling circuit, 6 micron in each low and high pressure circuit 25 micron in return</p>	<p>> Measurement Accuracy:</p> <p>Supply pressure (analog): 0 to 5800psi (0 to 400bar) Cl. 1 (EN 837)</p> <p>Return pressure (analog): 0 to 145psi (0 to 10bar) Cl. 1.6 (EN 837)</p> <p>Oil temperature indicator: 32 to 212°F (0 to 100°C)</p> <p>Flow measurement: 0.08 to 66gpm (0.32 to 250lpm) ±1% of full scale</p>
<p>> Electrical Parameters (requirements):</p> <p>Supply: 3/PE AC 60Hz 480V Nominal current: 129A Power: 107,3kVA</p>	<p>> Operating conditions:</p> <p>Ambient temperature: -13 to +113°F (-25 to +45°C)</p> <p>Noise emission: max. 75dB(A) at 1m (39,4in) distance</p>

FIGURE

- 1 Filter (6 micron) for each high and low pressure circuit
- 2 Filter (25 micron) in the return line
- 3 Filling pump to refill the aircraft reservoir
- 4 Two large oil-air coolers
- 5 A hand pump enables easy and quick opening of the cover
- 6 Drive motor

