



➤ GENERAL FEATURES

This mobile hydraulic test stand is mainly dedicated for maintenance on helicopters, business jets and medium size commercial aircrafts.

It takes the place of the aircraft generation and supplies the power required for the ground tests and checks of various aircraft components (landing gear, door flaps, flight controls ...)

➤ APPLICATIONS

- H160, H160M (Cheetah), DOLPHIN, PUMA, SUPER PUMA, H225/725 (Cougar, Caracal), H175, PANTHER (AS565), EC145...
- Falcon 50, ATR 42/72
- CASA-295

➤ DESCRIPTION

- A painted steel chassis
- Two axles equipped with solid tire wheels
- A tow bar with towing ring (3 in. diameter)
- A braking system actuated by tow bar (high and low position)
- A drip tray
- Hydraulic hoses (18 feet length) stowed on a support
- An electric supply cable (50 feet length) stowed at the front of the stand
- A motor-pump group with an asynchronous motor and a variable displacement piston pump
- A 16 USgallon (60 L of usable capacity) reservoir

➤ STRENGTHS

- Compact and polyvalent test bench- Air transportable
- Reliable and proven design
- Easy access for maintenance

➤ OPTIONS

- | | |
|---|--|
| <ul style="list-style-type: none"> B - Flushing unit C - Stainless steel chassis D- Double circuit G - Flashing light | <ul style="list-style-type: none"> K - Specific hood color L - Slow operation (remote control) M - Mooring / Lifting rings R - Remote control for filling/draining aircraft reservoir V - Degassing |
|---|--|

MEH4075

Model



U-S

Fluid /
Fluide
U = Mineral Oil
MIL-H-83232
MIL-H-5606

S= Skydrol

40

Voltage /
Tension
20=200 V
23=230 V
40=400 V
46=460 V

5

Frequency /
Fréquence
5 = 50 Hz
6 = 60 Hz

7

Flow /
Débit
7 = 7 USgpm
7= 28 l/mn
9 = 9 USgpm
9 = 35 l/mn
12 = 12 USgpm
12 = 45 l/mn

B-V

Options /
Options
See sheet 1
Voir page 1

WEIGHT AND DIMENSIONS

Length	67"
Length (tow-bar up)	75"
Length (tow-bar down)	98"
Width	43"
Height	39"
Weight (tank empty)	1760 lbs

HYDRAULIC FEATURES

Nominal pressure	3000 Psi
Max pressure	4000 Psi
Tank volume (useful capacity)	16 US Gallon
Max flow	7 USgpm 9 USgpm 12 USgpm
Max hydraulic power (Psi x USgpm)	13 800 16 500 31 700

OPERATING CONDITIONS

Ambient temperature from	-15°F up to 105°F
Fluid :	Mineral oil as per MIL-H-5606 or MIL-H-83282
Filtration :	class 4 according to NAS 1638 standard
Noise level	70 dBA

MEASUREMENT INSTRUMENTS

Pressure Gauge	0-6 000 psi
Flowmeter	0-17 USgpm
Temperature	32-212 °F

POIDS ET DIMENSIONS

Longueur	1700 mm
Longueur	1900 mm
Longueur	2500 mm
Largeur	1100 mm
Hauteur	1100 mm
Masse (réservoir vide)	800 kg

CARACTÉRISATIONS HYDRAULIQUES

Pression nominale	210 Bar
Pression maximale	280 Bar
Volume réservoir (capacité utile)	60L
Débit maximal	28 l/mn 35 l/mn 45 l/mn
Puissance hydraulique (Bar x l/mn)	3 600 4 300 8 400

CONDITIONS D'UTILISATION

Température ambiante de	-25°C à +45°C
Fluide :	Huile minérale selon normes MIL-H-5606 ou MIL-H-83282
Filtration :	classe 4 selon normes NAS 1638
Niveau sonore	70 dBA

APPAREILS DE MESURE

Manomètre	0-400 Bar
Débitmètre	0-65 l/mn
Température	0-100°C