

ROTAIR®



Worldwide
VERSION

supersilent ›

MDVS

powerful › compact

120J-120P



› | **SKID ADAPTOR**

- › Design with modern, slender and aggressive line.
- › Electro-galvanized bodywork and chassis with advanced painting procedure to grant an excellent preservation through time.
- › Compact dimensions for easy handling and optimum dimensions / delivered power ratio.
- › Light weight for the compressor class.
- › Filters "spin-on" type for quick maintenance.
- › Full accessibility for easy and rapid maintenance and service.
- › Exclusive pneumatic control system, developed by ROTAIR, to adjust automatically engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption saving.
- › Start/stop "INTELLIGENT SYSTEM", exclusive from ROTAIR, to prevent the risk of incorrect procedures during specific functioning.
- › Air/oil separator filter, highly oversized, can guarantee an excellent air/oil separation.

Technical Data

dimensions >

L = 4524 mm / 178.12"

W = 1975 mm / 77.76"

H = 2191 mm / 86.26"

weight >

1920 kg / 4233 lbs (without brakes)

2020 kg / 4453 lbs (with brakes)

MDVS 120J

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COMPRESSOR

(*) = Possibility to have also other operating pressures up to 14/15 bar and Dual Pressure

Operating pressure (*)	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	12000 l/min 424 cfm	11000 l/min 388 cfm	10000 l/min 353 cfm
Minimum working pressure	5,5 bar - 80 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	29 lt - 6.38 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature		
Outlet valves	3 x 3/4" + 1 x 2"		
Noise level EECno 2000/14	> 99 LWA		
Battery capacity	12V cc - 950A-132Ah (EN)		
Fuel tank capacity	150 lt - 33 UK gal		
Consumes	14,9 lt/h - 3.28 UK gal/h (10 working hours)		

DIESEL ENGINE / ENVIRONMENTAL CONDITIONS

Engine make	JCB
Engine type	444 - TCA
Engine system	4 strokes - Inline
Emissions	Stage II / Tier 2
Displacement	4400 cc
N. cylinders	4
Aspiration	Turbo Intercooler
Max engine power @2200 RPM	93 kW - 126 HP
Max engine speed	2200 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	22 lt - 4.84 UK gal
Lubrication system	Oil
Lubrication system capacity	14 lt - 3.08 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m a.s.l.
Min working temperature	-10°C / 14°F

Operating pressure (*)	7 bar 102 psi	10 bar 145 psi	12 bar 174 psi
Free air delivery	12000 l/min 424 cfm	10500 l/min 370 cfm	9500 l/min 335 cfm
Minimum working pressure	5,5 bar - 80 psi		
Drive system engine-airend	Direct Drive		
Compressor cooling system	Air / Oil		
Oil cooling capacity	29 lt - 6.38 UK gal		
Air outlet temperature	40°C - 105°F + Ambient temperature		
Outlet valves	3 x 3/4" + 1 x 2"		
Noise level EECno 2000/14	> 99 LWA		
Battery capacity	12V cc - 950A-132Ah (EN)		
Fuel tank capacity	150 lt - 33 UK gal		
Consumes	15,2 lt/h - 3.34 UK gal/h (9,9 working hours)		

Engine make	PERKINS
Engine type	1104C-44TA
Engine system	4 strokes - Inline
Emissions	Stage II / Tier 2
Displacement	4400 cc
N. cylinders	4
Aspiration	Turbo Intercooler
Max engine power @2200 RPM	97 kW - 132 HP
Max engine speed	2200 RPM
Min engine speed	1600 RPM
Cooling system	Water
Cooling system capacity	25 lt - 5.5 UK gal
Lubrication system	Oil
Lubrication system capacity	8 lt - 1.76 UK gal
Max ambient temperature	50°C - 122°F
Max altitude	1800 m a.s.l.
Min working temperature	-10°C / 14°F

- › The air and oil filters of the compressor and the air and oil filters of the engine are independent.
- › Single stage oversized air filter for compressor part, to guarantee good filtering of the air intake by airend. As option, two-stage air filter for engine part.
- › Fuel pre-filter with water separation and second filter to clean fuel in very dusty conditions.
- › Combined radiator allowing both compressor oil cooling and engine liquid cooling.

