

# NEW PORTABLE COMPRESSOR MDVS 170 JCB



- New design: modern lines, slender and more aggressive. The electro-zinc plated bodywork and chassis together with advanced painting procedure guarantee an excellent preservation through time.
- Compact: for better handling and optimum relation between dimensions and delivered power.
- Pneumatic control system, ROTAIR production, to automatically adjust engine revs, depending on the air to be delivered. This system is highly reliable and ensures fuel consumption saving .
- Combined radiator allowing both compressor oil cooling and engine liquid cooling.
- Start/stop system aptly known as the "INTELLIGENT SYSTEM" which prevents the risk of any incorrect procedures during specific functioning.

## INSTRUMENT and GAUGES

### Emergency stop device

- ❖ Oil pressure switch
- ❖ Engine coolant temperature switch
- ❖ Discharge air temperature switch

### Gauges

Pressure, hour meter, start/stop switch

### Warning light

- ❖ Engine oil pressure
- ❖ Engine coolant – oil compressor temperature
- ❖ Battery charging
- ❖ Glow plug lump
- ❖ Low fuel level (optional)
- ❖ Air filter clogged (optional)

\* For versions with different operating pressures or for requests of machines to be used under particular ambient temperature conditions, data have to be previously asked to our technical dept.

## MDVS 170 JCB

### Compressor data

Operating Pressure	7 bar	8 bar	10 bar	12 bar	14 bar
	100 psi	116 psi	145 psi	174 psi	203 psi
Free air delivery	17m <sup>3</sup> /min	16.8m <sup>3</sup> /min	15m <sup>3</sup> /min	13m <sup>3</sup> /min	12m <sup>3</sup> /min
	600 cfm	593 cfm	530 cfm	459 cfm	423 cfm

Screw compressor	Twin screw, 1 stage, oil cooled
Lubrication system	Forced oil lubrication by compression pressure
Oil cooling capacity	37lt
Oil cooling	Air
Air cleaner (also engine)	Dry paper filter type
Approx. air outlet temperature	40°C – 105°F above ambient
Outlet valve configuration	3x3/4" + 1x2"
Noise level EEC standard no 2000/14	99 db(A)
Battery capacity	12Vcc – 950A –132Ah EN
<b>Diesel engine data</b>	
Engine Brand	JCB
Engine type	444-TCAE (Tier III – Stage IIIA)
Engine system	Inline 4 cylinder w/ direct injection
Displacement	4.400 cc
Nr. Engine cylinder	4
Cylinder bore x stroke	103 mm x 132 mm
Compression rate	17,1:1
Aspiration	Turbocharged – Intercooler
Max torque	657 Nm @ 1.500rpm
Max engine power @ 2200 rpm	120kW – 163,2HP
Max engine speed	2.200 rpm
Min engine speed	1.600 rpm
Alternator	12V – 95A
Starting motor	12V – 4,2kW
Cooling system	Water
Cooling system capacity	24 lt
Lubrication system	Oil
Lubrication system capacity	14 lt
Fuel tank capacity	150 lt
<b>Oil separator – receiver tank</b>	
Type	Vertical, cylindrical
Diameter	Ø 400 mm
Length	1045 mm
Capacity	115lt – 0,115 m <sup>3</sup>
Max working pressure	17 bar – 17,3 kgf/cm <sup>2</sup>
<b>Wheel mounted dimension</b>	
Tire size	10.0/75-15.3
Length (without draw bar)	3.458 mm
Width	1.980 mm
Height	2.137 mm
Weight (wet)	2.200 kg
<b>Environmental condition</b>	
Cooling system designed to operate in ambient conditions up to	52°C – 122°F
Max. Altitude	1.500 m a.s.l.
Min. working temperature	0°C