



**BUMA TEC CO., LTD.**  
BUMA Technical Compressor



**High Efficiency   Cost Saving   Quiet Operation**

## BUMA PORTABLE AIR COMPRESSOR

Diesel Engine Type BDP132 – 17/8

# BUILT ON TRUST

# BDP132

## Specification

### Surrounding

Atmosphere ----- 760 mmHg  
 Working Pressure ----- 8.0kgf/cm<sup>2</sup>  
 Max. Temperature ----- 46 °C

### Compressor

Free Air Delivery ----- 17m<sup>3</sup>/min at 8.0 kgf/cm<sup>2</sup>  
 Cooling Method ----- Air Cooled  
 Outlet Air Temperature ----- 76-85°C  
 Operation Control  
 Driven Method ----- Direct Driven

### Engine

Rating Power ----- 132kW (180Hp)  
 Make ----- DCEC  
 RPM ----- 2200rpm  
 Displacement ----- 5.9L  
 Emission level ----- II

### Others

Oil Volume ----- 60 ℓ  
 Noise level ----- 87dBA  
 Pipe connection ----- 25A 40A  
 Dimension ----- 3300mm x 1600mm x 2100mm  
 Weight ----- 2800Kg

### Controller

Compressor Controller ----- Portable Controller  
 Power Source ----- DC24V  
 Pressure Control ----- Continuous Pressure Control  
 by Pressure Sensor  
 Control Method ----- Loading & Unloading Control  
 Operation Mode ----- • Automatic Mode  
 ----- • Continuous Mode

### Error Detecting Function & Auto-Control Function

----- ♦ System Trip and Warning Function  
 - Outlet Air Temperature High  
 ----- ♦ Auto-Control Function  
 - Re-start Pressure

### Operation Status Display

----- ♦ Outlet Air Pressure  
 ----- ♦ Outlet Air Temperature  
 ----- ♦ Oil Pressure  
 ----- ♦ Water Temperature

### Statistics Function

----- ♦ Total Operating Hour



# BDP132

## Components



### Engine x 1unit

Type	CUMMINS 6BTA5.9-C180
Rated Power	132 kw (180HP)
No OF Cylinders	6
Electric Source	DC24V
RPM	2200 rpm
Displacement	5.9L
Emission level	II



### Screw Airend x 1unit

Model	3.47.100011
Compression	Oil Flooded 1-Stage Compression
Rotor Combination	5 x 6 (Male * Female)
Pressure Range	5 ~ 15 bar
Operation Speed	2200rpm



### Suction Air Filter x 1unit

Model	BUMA genuine filter
Filtration grade	2 μm / Min. 99.8 % (3 ppm)

### Lubrication Oil Circulation

<b>Combined Cooler</b>	1 unit
- Water cooler (for Air / Oil Cooling)	
<b>Oil Filter Housing</b>	1 unit
<b>Oil Filter (BUMA Genuine Filter)</b>	1 unit
<b>Oil Line</b>	1 set
- Seamless Tubing&O-ring Type Parker Fitting	
<b>Fan</b>	1 unit
- Low Noise Fan	



### Instrument Panel

<b>Controller (BUMA Controller)</b>	1 unit
<b>Pressure Sensor</b>	1 unit
- Pressure Range : 0 ~ 16 kgf/cm <sup>2</sup>	
- Power Source : DC 24V	
- Analog Output : DC 0.1 ~ 10 V	
<b>Temperature Sensor</b>	1 unit
- Outlet Air Temperature	
<b>Pressure Switch</b>	1 unit
- No. 1: Detecting Compressor Sump Pressure	
- No. 2: Stand-by for Failure of Pressure Sensor	
<b>Display LED (Trip)</b>	1 unit
- Discharge Pressure High	
- Discharge Air Temperature High	
<b>Display LED (Warning)</b>	1 unit
- Discharge Pressure High	
- Discharge Temperature High	
<b>Operation Status</b>	1 set
-Lamp Display	
<b>Start Box</b>	1 set
- Including Transformer and Converter	
-Control : DC24V	
<b>Emergency Switch</b>	1 set



### Pneumatic & Electric Valves

Intake Valve	1 unit
Thermostatic Valve (SDN15)	1 unit
Minimum Pressure Valve ( DN32)	1 unit
Solenoid Valve	1 unit
- For Controlling Intake Valve and Purge Valve	
Safety Valve	1 unit
- (DN15)	
Purge Valve	1 unit

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[www.bumatec.com](http://www.bumatec.com)



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