



BUMA TEC CO., LTD.
BUMA Technical Compressor



High Efficiency Cost Saving Quiet Operation

BUMA SCREW AIR COMPRESSOR

Portable Type BDP190

BUILT ON TRUST

BDP190

Specification

Surrounding

Atmosphere ----- 760 mmHg
 Working Pressure ----- 11.0kgf/cm²
 Max. Temperature ----- 46 °C

Compressor

Free Air Delivery ----- 20.0m³/min at 11.0 kgf/cm²
 Cooling Method ----- Air Cooled
 Outlet Air Temperature ----- -78-88°C
 Operation Control -----
 Driven Method ----- Direct Driven

Engine

Rating Power ----- 190kW (260Hp)
 Make ----- DCEC
 RPM ----- 2200rpm
 Displacement ----- 8.3L
 Emission level ----- II

Others

Oil Volume ----- 75 ℓ
 Noise level ----- 93 dBA
 Pipe connection ----- 50A
 Dimension ----- 3500mm x 1900mm x 2200mm
 Weight ----- 3700Kg

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

BDP190

Components



Engin x 1unit

Type	6LTAA8.3-C260
Rated Power	190 kw (260 H P)
No OF Cylinders	6
Electric Source	DC24V
RPM	2200 rpm
Displacement	8.3L
Emission level	II



Screw Airend x 1unit

Model	3.47.100006
Compression	Oil Flooded 1-Stage Compression
Rotor Combination	5 x 6 (Male * Female)
Pressure Range	8 ~ 15 bar
Operation Speed	1800rpm

Suction Air Filter x 1unit

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

Lubrication Oil Circulation

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



Instrument Panel

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



Pneumatic & Electric Valves

Intake Valve (DN120)	1 unit
Thermostatic Valve (SDN40)	1 unit
Minimum Pressure Valve (DN65)	1 unit
Solenoid Valve	1 unit
- For Controlling Intake Valve and Purge Valve	
Safety Valve	1 unit
- (DN40)	
Purge Valve	1 unit

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www.bumatec.com



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