



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 -----17.0kgf/cm²
 Max. Temperature ----- 46 °C

Compressor

Free Air Delivery -----18.0m³/min at 19.0 kgf/cm²
 Cooling Method -----Air Cooled
 Outlet Air Temperature -----78-95°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 ----- 3850Kg

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



Engine x 1unit

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



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 |



Screw Airend x 1unit

| | |
|-------------------|------------------------------------|
| Model | 3.47.100027 |
| Compression | Oil Flooded 2-Stage Compression |
| Rotor Combination | 5 x 6 (Male * Female) |
| Pressure Range | 15 ~ 24 bar |
| Operation Speed | 2000rpm |



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 | |



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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