

BUMATEC Screw Air Compressor
BUILT ON TRUST

Last Updated MAY 2016

Direct Drive Coupling Type **BFD75**

Direct Drive Coupling Type BFD75



Quiet Operation

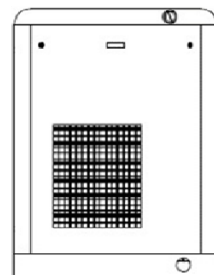
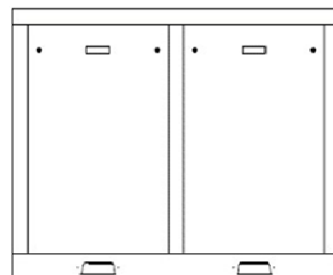
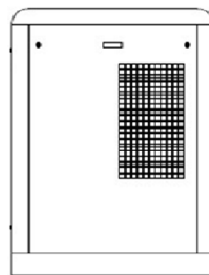
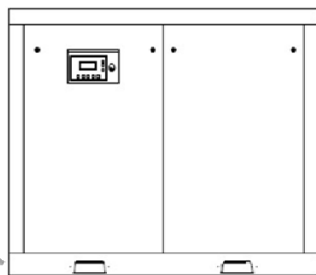
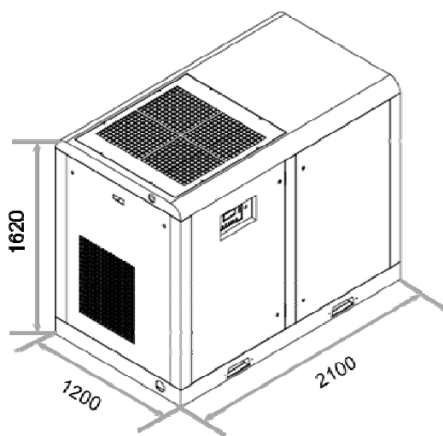
Bumatec airend provide much low noise during its operation through unique design and double wall housing structure. The silencer and centrifugal fan were installed according to simulation design of airflow which is able to reduce air friction noise remarkably. And unique quick ventilation valve was installed which was designed to remove unloading noise. Bumatec compressor guarantee the sound proof under 70dB.

High Efficiency

Bumatec has developed big size screw rotor of airend through high accuracy machining process and finally achieved the best clearance of the rotor which is able to provide the highest airflow rate in the world. Airflow of Bumatec air compressor is relatively much more than others.

Maintenance-friendly Design

Bumatec air compressors have maintenance-friendly designs. All the parts are assembled in simple arrangement for easy maintenance such as application of hinge door covers to saves maintenance time, reducing numbers of bolts to oil filter cover and application of o-ring to oil filter to improve life cycles. And it is easy to clean the inside of air compressor when it is dirty.



Unit: mm

BUILT ON TRUST

Direct Drive Coupling Type BFD75

Basic Environment

Atmosphere	-----	760mmHg
Max. Ambient Temp.	-----	46°C

Specification

Free Air Delivery	-----	12.5m ³ /min
Working Pressure	-----	8.0kgf/cm ²
Cooling Method	-----	Air Cooled by Cooling Fan
Outlet Air Temperature	-----	Ambient Temp. 15°C (Approx.)
Drive Method	-----	Direct Drive Coupling Type (1:1)
Oil Volume	-----	50ℓ
Soundproof	-----	Under 75dBA
Pipe Connection	-----	50A
Outlet	-----	G2"

Components

Electric Motor

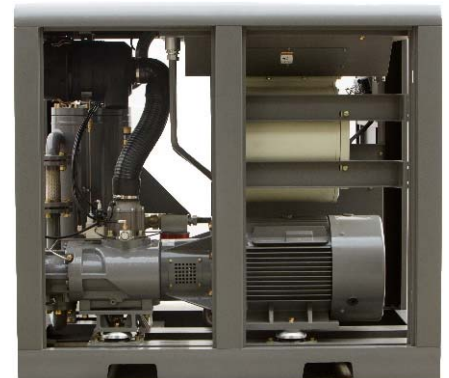


Model	Y2-250M-2-75
IP Class	IP54
Operation Mode	S1, Continuous Operation Mode
Rated Output	75kW (100HP)
Service Vector	1.25
Electricity Pole / RPM	AC415V / 50Hz / 3Ph 2Pole / 2950rpm
Start Method	Y-Delta
Lubrication	CHERROM
Cooling Method	Fan Cooled (Built-in)

Airend



Model	3.47.100003
Compression	Oil Flooded 1-stage Compression
Rotor Combination	5 x 6 (Male x Female)
Pressure Range	5 ~ 13bar
Operation Speed	2950rpm



**All technical data are purely indicative and subject to change for improvement without notice.

Direct Drive Coupling Type BFD75

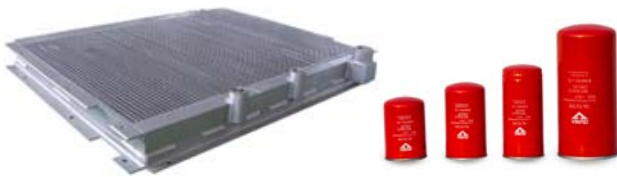
Pneumatic & Electric Valves



Intake Valve HX DN85
Air Filter 2 μ m/min. 99.8% (3ppm)

Thermostatic Valve DB LHGL-32C3
Minimum Pressure Valve HX
Safety Valve A28X-16T (DN25)
Purge Valve HX
Solenoid Valve
 - For Control of Intake Valve and Purge Valve

Lubricant Oil Circulation



Cooler 1 set
 - Aluminum Fin Radiator Type
 - Cooling for both Air & Lubricant Oil

Oil Filter & Housing 1set

Cooling Fan (Motor AC380V) 1set
 - Low Noise Centrifugal Type

PLC Display Controller



Full Auto



Comprehensive Safety Production



Abnormal Prompted Alarm



Display All Important Operation

Type Micro Controller (LCD)
Electricity AC415V, 3Ph
 (Transformer Built-in)
Control Method Loading & Unloading

- ✓ Auto Running / Stop Control
- ✓ Temperature / Pressure Display Control
- ✓ Timer Running / Stop Control
- ✓ Master / Slave Interlock Control

Functions

Error Detecting Function

▼ System Trip & Warning Function

- ✓ High Discharge Air Temperature
- ✓ Main Motor Overload
- ✓ Fan Motor Overload
- ✓ Pressure & Temp. Sensor Failure

Auto-Control Function

- ✓ Stop Delay Function
- ✓ Re-start Pressure
- ✓ Automatic Start

Maintenance Function

- ✓ Air Filter Changing Warning
- ✓ Oil Filter Changing Warning
- ✓ Air Oil Separator Changing Warning

Operation Status Display

- ✓ Outlet Air Pressure
- ✓ Outlet Air Temperature
- ✓ Operation Mode
- ✓ Load / Unload Status

Tracking Record Function

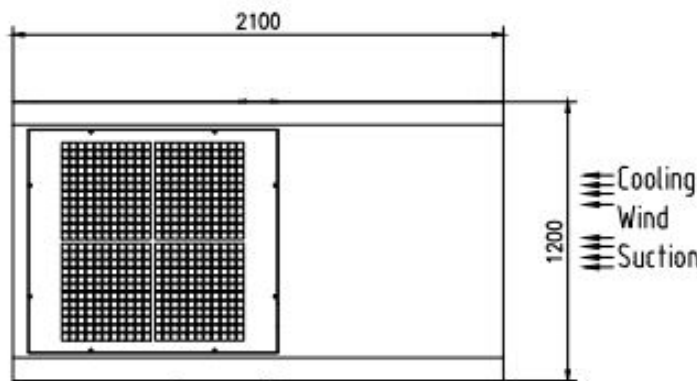
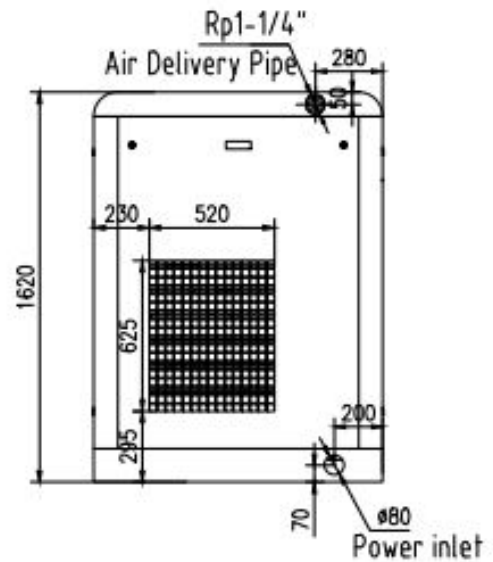
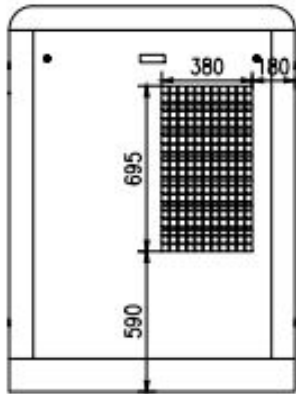
- ✓ Amot Clock (Automatic Time)
- ✓ Total Operation Time
- ✓ Load / Unload Time
- ✓ Set Stop Delay Time



**All technical data are purely indicative and subject to change for improvement without notice.

Direct Drive Coupling Type BFD75

Appearance Drawing



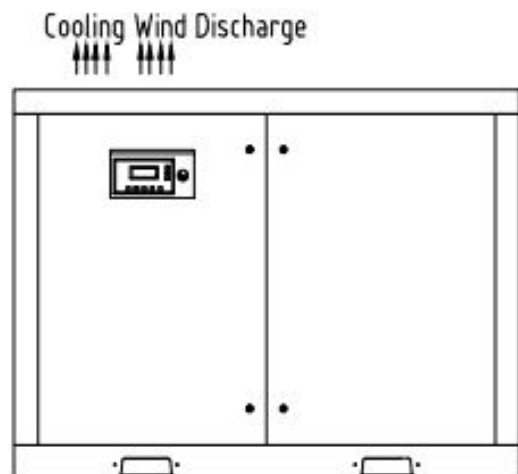
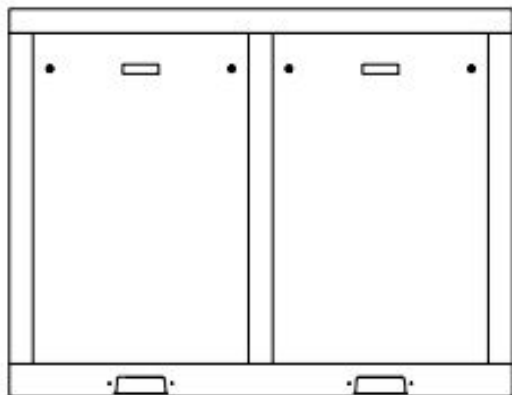
Dimension

Length : 2,100 mm

Width : 1,200 mm

Height : 1,620 mm

Weight : 1,900 Kg



BUILT ON TRUST

www.bumatec.com



BUMA Group Overseas Marketing Headquarter

291 1637 Beon-gil, Seobu-Ro, Juchon-Myeon,
Gimhae-City, Gyeongsangnam-Do, Korea
(ZIP 621-843)

TEL : +82-55-337-9891~3 FAX : +82-55-337-9894