



# BUMA COMPRESSOR

## BUMA SCREW AIR COMPRESSOR

**PM Motor Type BMC-22VH**

High Efficiency   Cost Saving   Quiet Operation



## Máy nén khí MPT

Lê Quốc Vương

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# BUILT ON TRUST

# BMC-22VH

## Specification

### Surrounding

Atmosphere ----- 760 mmHg  
 Working Pressure ----- 16 kgf/cm<sup>2</sup>  
 Max. Temperature ----- 46 °C

### Compressor

Free Air Delivery ----- 0.51-1.7 m<sup>3</sup>/min at 16.0 kgf/cm<sup>2</sup>  
 Cooling Method ----- Air Cooled by Cooling Fan  
 Outlet Air Temperature ----- Ambient Temp. +15 °C  
 Operation Control  
 Driven Method ----- Direct Driven

### Electric Motor

Rating Power ----- 22 kW (30Hp)  
 Power Source ----- AC380V 50Hz/3-Phase  
 Start Method ----- Inverter  
 Pole / RPM ----- 6 pole / 3000 rpm  
 Service Factor ----- 1.2  
 IP Class ----- IP 23  
 Enclosing

### Others

Oil Volume ----- 9 ℓ  
 Noise level ----- 70 dBA  
 Pipe connection ----- 20A  
 Dimension ----- 1800mm x 820mm x 1640mm  
 Weight ----- 520Kg



### Controller

Compressor Controller ----- Micro Controller  
 Power Source ----- AC380, 3 Phase  
 (Built-in Transformer)  
 Pressure Control ----- Continuous Pressure Control  
 by Pressure Sensor  
 Control Method ----- loading and unloading  
 Operation Mode ----- Automatic Mode  
 ----- Continuous Mode  
 ----- Remote Mode  
 ----- Schedule Mode  
 (Default: Automatic)

#### Error Detecting Function & Auto-Control Function (LCD & LED Display)

- ◆ System Trip and Warning Function
  - Ou-20tlet Air Temperature High
  - Main Motor Overload
  - Fan Motor Overload
  - Pressure & Temperature Sensor Fault
- ◆ Auto-Control Function
  - Stop Delay Function
  - Re-start Pressure
  - Automatic Start

#### Maintenance Function (LCD & LED Display)

- ◆ Air Filter Change Warning
- ◆ Oil Filter Change Warning
- ◆ Oil Separator Change Warning

#### Operation Status Display (LCD & LED Display)

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

### Tank

Cubage ----- 450 ℓ

### Dryer

MODEL ----- TR02  
 Flow Capacity ----- 1.8m<sup>3</sup>/min  
 Electric Source ----- 220V/2-Phase

# BMC-22VH



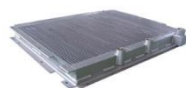
## PM screw air compressor x 1 unit

Type----- ZPM132W15  
 Rated Power----- 22 kw (30 HP)  
 Compression ----- Oil Flooded 1-Stage Compression  
 Rotor Combination ----- 5 x 6 (Male \* Female)  
 Pressure Range ----- 5 ~ 16 bar  
 Service Motor----- 1.2  
 Electric Source -----AC380V, 3-Phase, 60Hz  
 Mode of Operation ----- S1, Continuous Operation Mode  
 Pole / RPM -----6-Pole / 3000 rpm at 200Hz  
 Cooling Method ----- Built-in Fan Cooled  
 Starting Method ----- Inverter



## Suction Air Filter x 1 unit

Model ----- BUMA Genuine Filter  
 Filtration grade ----- 2 μm / Min. 99.8 % (3 ppm)



## Lubrication Oil Circulation

**Combined Cooler** 1 unit  
 - Aluminum Wing Type 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  
**Cooling Fan** 1 unit  
 - Low Noise Centrifugal Fan  
**Fan Motor (AC380V)** 1 unit

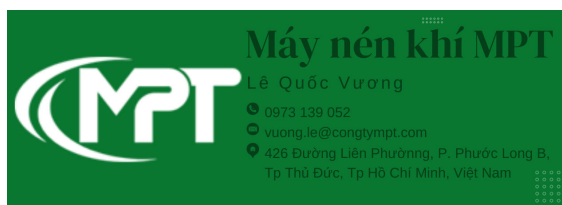
## Instrument Panel

**Controller (BUMA Controller)** 1 unit  
**Pressure Sensor** 1 unit  
 - Pressure Range : 0 ~ 16 kgf/cm<sup>2</sup>  
 - 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  
**Main EOCR** 1 unit  
 - For Detecting Main Motor Overload  
**Fan EOCR** 1 unit  
 - For Detecting Fan Motor Overload  
**Text display (alarm)** 1 set  
 - main motor overload  
 - excessive exhaust temperature  
 - oil filter element replacement  
 - replace empty filter element  
**Run mode** 1 set  
 - load/unload  
**Start Box** 1 set  
 - Including Transformer and Converter  
**Emergency Switch** 1 unit



## Inverter x 1 unit

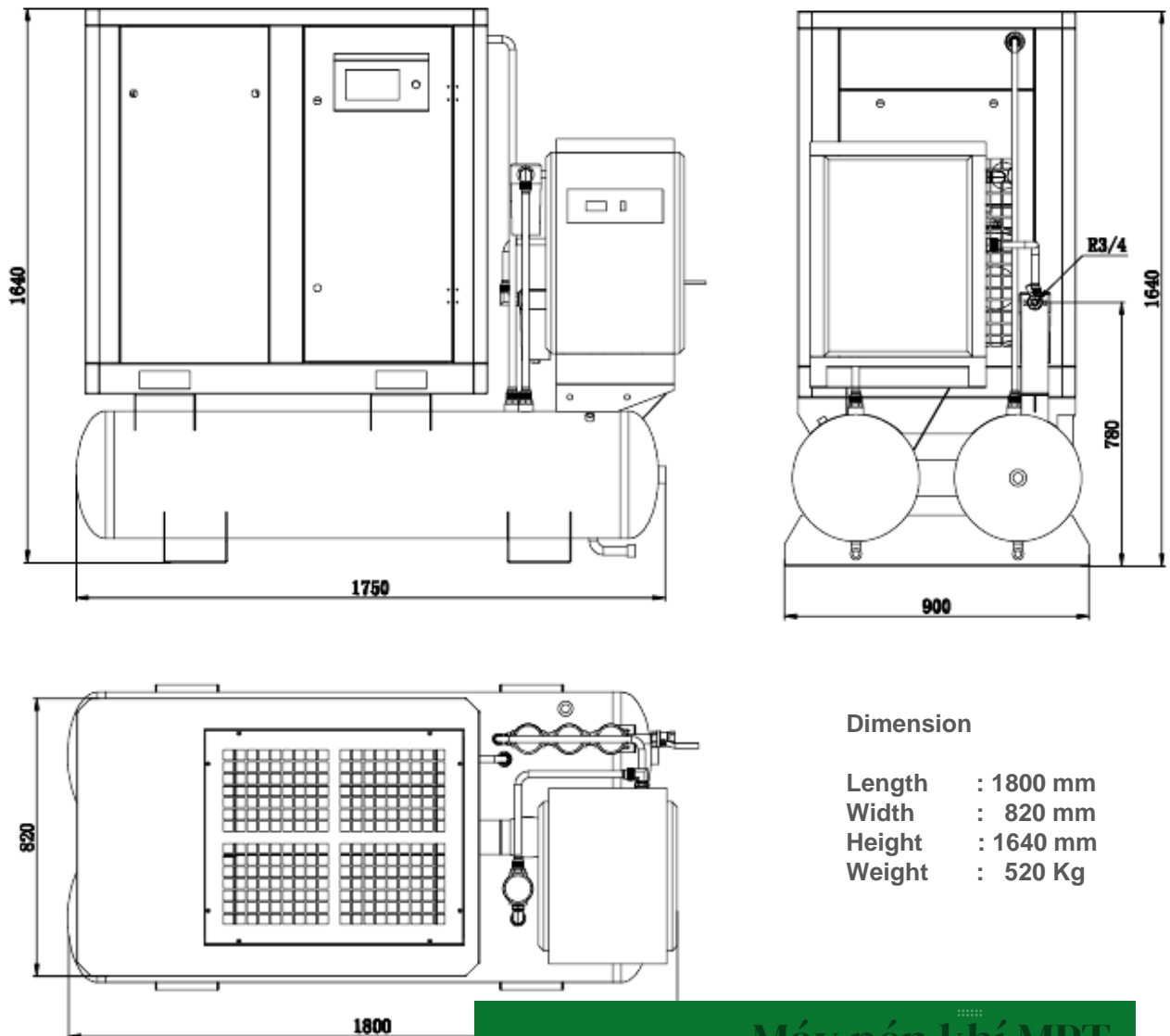
BRAND ----- ZONCN  
 MODEL ----- NZ200T-22GY-4  
 Applicable Motor ----- 22KW  
 Electric Source ----- 380V/3-Phase



# BMC-22VH

## Appearance Drawing

Unit: mm

**Dimension**

Length : 1800 mm  
Width : 820 mm  
Height : 1640 mm  
Weight : 520 Kg

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