

MODEL: PCF20

PCF20.xls Revision No: 06 Date: April 20, 2021

SCREW COMPRESSOR TRAINING KIT

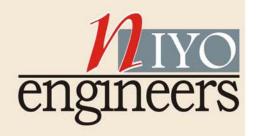


FEATURES

- Compact, comprehensive, sturdy design
- Versatile operation
- Self contained system

DESCRIPTION

An invaluable aid in the effective understanding of the performance characteristics of air compressor. The compressor is run using an AC motor. Optionally, it has a facility to vary the speed of the motor to get various performance parameters for better understanding.



INSTRUCTION MANUAL

Self -explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

LIST OF EXPERIMENT

- 1. To study the construction and operation of air compressor
- 2. Plotting of intake volume flow rate versus delivery flow rate for varying speeds**
- 3. Study of air delivery characteristics with varying compressor speed**
- 4. Study of air delivery characteristics with varying compressor pressures

COMPONENTS

- 1. Air Compressor
- 2. Electric Motor
- 3. Multi-point Digital Temperature Indicator with sensors
- 4. Energy-meter
- 5. Pressure Gauges
- 6. Air Flow Measuring Unit
- 7. Control Panel

OPTIONAL ADDITIONAL

- 1. Digital Pressure Indicator
- 2. Digital Wattmeter

Note: Details of attachments can be made available on request.

SERVICES REQUIRED

1. Electric supply

DIMENSION AND WEIGHT

| Compressor | 1575 mm X 686 mm X 1321 mm (H) | 250 kg |
|------------|--------------------------------|--------|
| Panel | 559 mm X 559 mm X 1550 mm (H) | 40 kg |

NiYo Engineers

Unit 1B, Devgiri Industrial Estate, S. No. 17/1B Plot No. 14, Kothrud, Pune 411 029 INDIA, Tel-91 20 2546 5004, 2546 8051, 2546 7296 Telefax - 91 20 2546 8051 e-mail- sales@niyoindia.com Web: www.niyoindia.com





⁽¹⁾ Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice

^{**}For model with speed variation facility