

## SCREW COMPRESSOR TRAINING KIT

MODEL: PCF20



### FEATURES

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

### DESCRIPTION

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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

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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

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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

*\*\*For model with speed variation facility*

## COMPONENTS

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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

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1. Digital Pressure Indicator
2. Digital Wattmeter

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

## SERVICES REQUIRED

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1. Electric supply

## DIMENSION AND WEIGHT

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

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