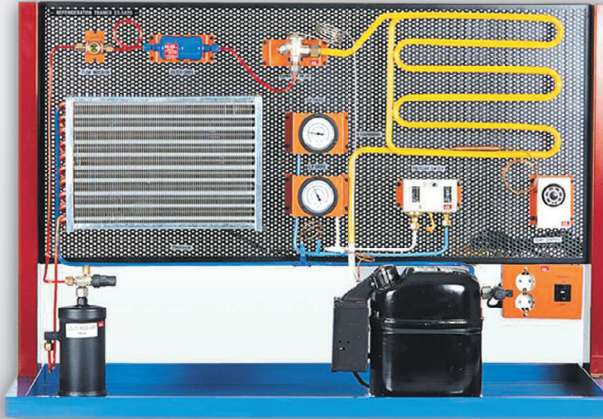


# db-tech REFRIGERATION & AIR CONDITION TRAINING SYSTEM

- Self contained trainer requires no other accessory
- Easy-to-use demonstrator for principles of refrigeration/airconditioning
- Motor Compressor : Pison type
- Trouble shooting for pipe leakage

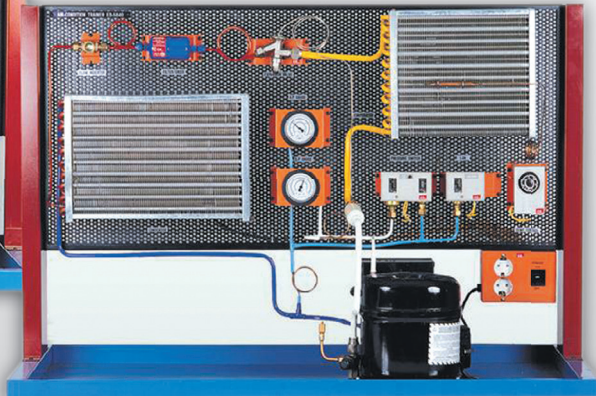
## EXPERIMENTS (Air Conditioner)

- Principle of air conditioner
- Refrigerant cycle & Morier diagram
- Understanding of air conditioning system
- Air Conditioner operation
- Refrigerant flow and its state change
- Pipe leakage and refrigerant charge
- Trouble shooting



## > EXPERIMENTS (Refrigeration)

- Principle of refrigeration
- Refrigeration cycle & Morier diagram
- Understanding of refrigeration system
- Refrigerator Operation
- Refrigerant flow and Its state change
- Pipe leakage and refrigerant charge
- Trouble shooting



## > SPECIFICATIONS

Classification	DB-2214RGT	DB-2214ACT
Refrigerant Type	R134a	R 22
Compressor	1/3hp, 925BTU, 150W, R134a	1/3hp, 925BTU, 150W
Condenser	10 x 11 x 2 Turns	1,660 Kcal/h
Sight Glass/Liquid Indicator	PB35bar/80°C	PB35bar/80°C
Strainer/Drier	1/4 inch Threaded	3/8 inch Threaded
Expansion Valve	.31 Capillary	Thermostatic Expansion Valve: TEV
Evaporator	380 Kcal/h	380 Kcal/h
Pressure Gauge	High: 0~300PSI, 21kg/cm <sup>2</sup> Low: -30 ~150PSI, 10.5kg/cm <sup>2</sup>	High: 0~35kg/cm <sup>2</sup> , Low: 0~15kg/cm <sup>2</sup>
Pressure Switch	High: 8~30 kg/cm <sup>2</sup> , Low: -0.5~6kg/cm <sup>2</sup> , Diff.:1mmHg~4kg/cm <sup>2</sup>	High: 8~30 kg/cm <sup>2</sup> , Low: -0.5~6kg/cm <sup>2</sup> , Diff.: 1mmHg~4kg/cm <sup>2</sup>
Pressure Switch(2)		Range: 5~30kg/cm <sup>2</sup> , Diff.: 1.5~10kg/cm <sup>2</sup>
Switching Indicators	Super bright LED	Super bright LED
Temperature Range	0°C - 100°C	
<b>OPTIONAL</b>		
Meter	Temperature Volt Ampere	Temperature Volt Ampere
• Service Manifold(with Gauge)		
• Refrigerant Cylinder		

### GENERAL CHARACTERISTICS

- POWER / FREQUENCY : AC 220V , 60Hz , single phase
- TEMP. CONTROL : -50°C~50°C
- DEMENSION : 1180(W) x 785(H) x 520(D)mm

### ACCESSORIES

- Operation Manual