

Technical Specifications

Number	Items to be Supplied*	Quantity	Description / Specifications of Goods	Latest Delivery Date
1.	Split Air-Conditioners Training Kit (HFC32)	8	1. Split air conditioner 18000 BTU, minimum EER 10, dry airflow 500+ CFM, indoor noise level less than 40dB, indoor fan speed auto/three speed, rotary/ reciprocating compressor, heat exchangers preferably with copper tubing, refrigerant pre-charged with HFC-32, fitted with all the safety devices required for A2L. Installation manual and data of key fault finding. Power supply 220V, 60Hz.	30 th August 2019
2.	MAC Test Rigs	3	R-134a	30 th August 2019
3.	Test Rig Water Chiller	4	R-134a	30 th August 2019
4.	Two stage Vacuum Pump	5	Vacuum pump, two stage, for the use with flammable A3 refrigerants such as R290, R1270 and R600a. Vacuum pump equipped with gas ballast valve and exhaust port with oil-filter connection. The unit must be CE certificated. Technical data: - Swept volume of about 46 L/min	30 th August 2019

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			<ul style="list-style-type: none"> - Ultimate vacuum 1x10⁻² mbar or better - Power Supply 220V/1Ph/60Hz - Hard wired mains lead minimum length 5 m - Oil charge about 300 cc - Protection classification IP54 - Hose connection 3/8" and 1/4" SAE - Classification according to II3GD nA tD 4T IP55 (zone 2-22 ATEX) - Power supply 220V / 1Ph / 60Hz - instructional manual 	
5.	Mini Reclamation Machine/Centre	2	<ul style="list-style-type: none"> • Recovery and Reclaim : R22, R32, R500, R502, R134a, R404A, R410A, R507A, R509A • Recovery Method: Vapour and/or Liquid • Reclaim method: electrostatic separation method • Voltage : 220V, 60 Hz (as per country power) • Compressor : oil less compressor • Oil separator : heat exchange style, capacity 2L • Operating temperature 5-35°C • Cylinders : (3 nos.) 40Litres with sensor • Charging hoses : 1.5 mtr with ball valves • Filters: 8 pcs • Sight Glass 2pcs • Moisture Absorbent 24pcs • Adapters : different adapters for R22, R32, R410A 	30 th August 2019
6.	Digital four-way gauge manifold	8	<p>Digital four-way manifold gauge for refrigeration and AC applications. RAC refrigerant circuit measurements, analyse and log pressure, temperature, electricity and vacuum measurements and save all measuring data.</p> <p>Technical data:</p> <ul style="list-style-type: none"> - 999 hours of internal memory - Real time data measurement and graphical editing 	30 th August 2019

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			<ul style="list-style-type: none"> - Including software presenting the data in an easy-to-understand format - Including 40 most common type refrigerants stored in the meter - Updates for other refrigerants free of charge using the software - Two temperature compensated pressure sensors measure high and low pressure and calculate the temperatures automatically - Three temperature connecting points for connectable temperature sensors: calculate superheat and sub-cooling simultaneously, measure parallel the surrounding temperature - Integrated vacuum measurements - Temperature compensated leak-tightness check function and automatic surrounding pressure compensation Scope of supply includes: <ul style="list-style-type: none"> - Two clamp temperature sensor - Downloadable PC software - USB cable - Power adaptor - Batteries - Protective carry case - Calibration protocol - CE certification - Operation manual in English language Technical data: <ul style="list-style-type: none"> - Pressure measuring range 50 bar - Accuracy ± 0.5 % fs (± 1 Digit) - Resolution 0.01 bar / 0.1 psi - Refrigerant hose connection 3 x 7/16" UNF + 1 x 5/8" 	

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			UNF - Overload rel. (low/high pressure) 52 bar - Vacuum measuring range -1 to 0 bar - Vacuum resolution 1 hPa / 1 mbar / 500 micron.	
7.	Air Velocity Meter / Digital Anemometer	2	Measurement range: • temperature: -10~50°C • air velocity: 0.7~25m/s Resolution: • temperature : 0.1°C • air velocity : 0.001m/s Accuracy: • temperature : +/- 0.6°C • air velocity : +/- 2%	30 th August 2019
8.	dB Meter or Noise Tester	3	• Sound Level Meter ANSI S1.4 type 2 / IEC 60651 type 2 / IEC 61672 class 2 • Measurement range: 30-100dB / 60-100dB • Operating range: Temperature 0 to 50°C • Humidity: 0-95% RH non-condensable	30 th August 2019
9.	Weighing Scale	6	Electronic weighing scale for maximum capacity 50 kg with accuracy of $\pm 0.015\%$ of reading weight and no more than 10 gm. scale in both lb and kg (for commercial 100 Kgs.)	30 th August 2019