

WHAT IS CITY MULTI?

THE COMPLETE RANGE OF LOWER GWP R32 COMMERCIAL AIR CONDITIONING SYSTEMS

VARIABLE REFRIGERANT FLOW (VRF) AND HYBRID VRF AIR CONDITIONING SYSTEM



FUTURE-PROOF TECHNOLOGY
IN LINE WITH F-GAS REGULATIONS

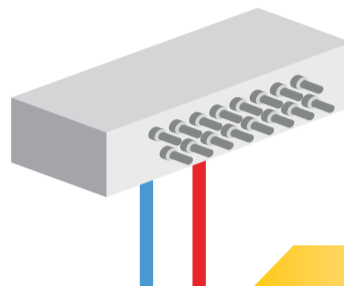
2 UNIQUE TWO PIPE SYSTEM
FOR EASE OF INSTALLATION & MAINTENANCE

SIMULTANEOUS HEATING & COOLING WITH HEAT RECOVERY
COMPLETE FLEXIBILITY
OF DESIGN, INSTALLATION & OPERATION

DELIVERS THE HIGHEST LEVEL OF COMFORT FOR OCCUPANTS

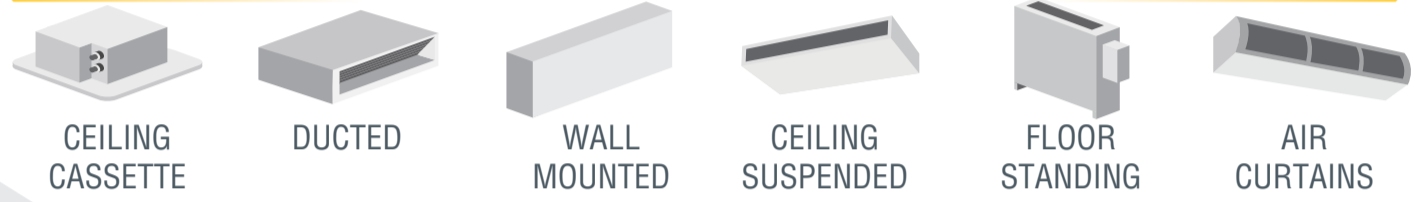
PROVIDES OPTIMAL ENERGY EFFICIENCIES & REDUCED RUNNING COSTS

INTELLIGENT CENTRALISED COMFORT CONTROL



UP TO **50** INDOOR UNITS CAN BE CONNECTED TO A SINGLE OUTDOOR UNIT

A WIDE RANGE OF CONNECTABLE INDOOR UNITS



CHOICE OF STANDARD OR HIGH EFFICIENCY MODELS

REDUCED FOOTPRINT ACHIEVED BY A 4-SIDED HEAT EXCHANGER

80 INDOOR OPTIONS

RANGING FROM **1kW-25kW**

THE CHALLENGE TO REDUCE CARBON EMISSIONS

UTILISES LOWER GWP **R32** REFRIGERANT

ACHIEVE CSR GOALS

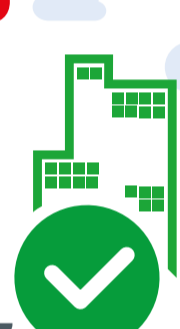
AND CONTRIBUTE TO A CLEANER ENVIRONMENT



AMBITIOUS BUILDING STANDARDS ARE BEING SET TO ACHIEVE NET ZERO CARBON

REDUCED ENVIRONMENTAL IMPACT

EMBODIED CARBON ASSESSMENT AVAILABLE THROUGH CIBSE TM65 CALCULATIONS



ECODESIGN BS EN14825 COMPLIANCE
- SETS THE SEASONAL PERFORMANCE CALCULATION FOR AIR CONDITIONING SYSTEMS

BREEM RECOGNITION
DESIRED BY BUILDING OWNERS AS CLIENTS FOCUS ON CORPORATE SOCIAL RESPONSIBILITY TARGETS



R32 HAS 65% LOWER GWP AND UP TO 80% REDUCTION OF CO₂ COMPARED TO R410A

R32 VRF CITY MULTI VRF
CITY MULTI VRF WAS THE UK'S FIRST R32 HEAT RECOVERY & HEAT PUMP SYSTEM

22kW TO 34kW SYSTEMS

INTELLIGENT REFRIGERANT FLOW
DEPENDING ON THE CAPACITY REQUIREMENTS OF EACH ZONE

REGULATES INTERNAL ROOM AIR TEMPERATURE & COMFORT LEVELS EFFECTIVELY AND EFFICIENTLY

CITY MULTI VRF CAN BE APPLIED AS BOTH **HEAT RECOVERY (R2 SERIES) AND HEAT PUMP (Y SERIES) SYSTEMS**

MICRO-CHANNEL HEAT EXCHANGERS
IMPROVE EFFICIENCY & REDUCE REFRIGERANT VOLUME

ADVANCED CONTROL LOGIC ENSURES EACH SYSTEM PROVIDES OPTIMUM LEVELS OF **COMFORT**

ADJUSTABLE NOISE LEVEL OPTIONS
TO SUIT APPLICATION

OPTION TO PUMP DOWN AND ISOLATE REFRIGERANT WITHIN VRF INSTALLATION
AND THE ABILITY TO WORK ALONGSIDE ANY LEAK DETECTION SYSTEM INCLUDING STANDALONE AND ASPIRATED, PROVIDES FULL SAFETY AND ENVIRONMENTAL PROTECTION FROM REFRIGERANT LEAKAGE

CITY MULTI R32 Hybrid VRF

1 THE WORLD'S FIRST R32 HYBRID VRF AIR CONDITIONING SOLUTION

MANAGE PHASED INSTALLATION - IDEAL FOR **CAT A TO CAT B** & RETROFIT

UNIQUE 2-PIPE HEAT RECOVERY VRF SYSTEM - OUTDOOR UNIT CONNECTS TO A HYBRID BRANCH CONTROLLER (HBC) WITH **WATER PIPEWORK** BETWEEN HBC & INDOOR UNITS

HIGH EFFICIENCY SYSTEM
DELIVERING OUTSTANDING SEASONAL ENERGY PERFORMANCE

22kW TO 56kW SYSTEMS

GRADUAL CHANGE IN TEMPERATURE PROVIDES **A COMFORTABLE & STABLE ENVIRONMENT**

QUICK, EASY AND FLEXIBLE
TO DESIGN AND INSTALL

100% WATER
IN OCCUPIED SPACES

NO NEED FOR COSTLY LEAK DETECTION
UNDER BS EN378

VALVES, PUMPS & HEAT EXCHANGERS ARE ALL CONTAINED WITHIN THE HBC

HORIZONTAL & NEW VERTICAL
HYBRID BRANCH CONTROLLERS ARE AVAILABLE FOR GREATER FLEXIBILITY IN SYSTEM DESIGN

THE HBC MAKES **SIMULTANEOUS HEATING & COOLING POSSIBLE**

SYSTEM CAN BE **EXPANDED** USING SUB-HBC'S

30% LOWER ANNUAL MAINTENANCE COSTS

50% REFRIGERANT CHARGE REDUCTION*

5 SEASONAL EFFICIENCY IMPROVEMENT**

10% HIGHER SENSIBLE COOLING CAPACITY FOR A STABLE ROOM TEMPERATURE**

* When compared to VRF + Leak Detection ** When compared to R410A VRF

SUITABLE FOR A WIDE RANGE OF APPLICATIONS



HOTELS



OFFICES



HOSPITALS



SCHOOLS & UNIVERSITIES



RETAIL SPACES



PUBLIC BUILDINGS



MIXED-USE BUILDINGS

les.mitsubishielectric.co.uk

For more information on City Multi VRF visit: <https://bit.ly/3LtJSoz>

For more information on City Multi Hybrid VRF visit: <https://bit.ly/40AWWwK>