

SCHEDULE OF FCU																	Controller	Ref	Model
Unit Ref	Location	Model type	Sensible Cooling	Sensible Heating	Air volume	Ext. Static	Width	Depth	Height	Weight	NR Level	Phase	Running Current	Fuse Rating					
			[kW]	[kW]	[l/s]	Pa	[mm]	[mm]	[mm]	[kg]	[dBA]	[ph]	[A]	[A]					
FCU-G-01	Reception	Ceiling mounted	5.00	4.5	183.3	58.84	850	250	700	28	40	1	0.89	15	OU-02	AM045ANMPKH/EU			
FCU-01-02	Research Space	Ceiling mounted	7.00	5	300	58.84	850	250	700	28	40	1	1.48	15	OU-02	AM071ANMPKH/EU			
FCU-01-03	Multi Space	Ceiling mounted	4.00	3.5	153.8	58.84	850	250	700	28	40	1	0.81	15	OU-02	AM036ANMPKH/EU			
FCU-01-04	Multi Space	Ceiling mounted	4.00	3.5	153.8	58.84	850	250	700	28	40	1	0.81	15	OU-02	AM036ANMPKH/EU			

NOTES:

1. All units to be provided by Samsung or approved equivalent.
2. All units to be selected on mid or low speed
3. Local temperature controllers for each space. Position to be agreed with the architects/clients. Allow for central ACM controller linked to existing building BMS system
4. All the units shall suitable for to be mounted as exposed units, allow for all necessary accessories

SCHEDULE OF OUTDOOR CONDENSER				
UNIT GENERAL DATES				
LOCATION		Roof	Roof	
Model No		AC052BXAPKG/EU	AM060BXMDER/EU	
Reference		OU-01	OU-02	
HEIGHT	[mm]	880	940	
WIDTH	[mm]	800	1210	
LENGTH	[mm]	310	330	
Weight	[kg]	50	100	
Operating Ambient Temperatures	[°C]	-5 ~ +50	-5 ~ +50	
Normal Hot Water Volume	[L]			
UNIT ELECTRIC DATA				
Voltage	[V]	230	230	
Nominal Running Current [MAX]	(A)	16	30	
Fuse Rating - MCB Sizes	(A)	20	40	
SUPPLY COMPONENTS				
Heating Capacity	[kW]	3.1	15.5	
Cooling Capacity	[kW]	5.0	15.5	
Power Input	[kW]		5.74	
COP				
Refrigerant Data	Type		R32	R410A
1. All units to be provided by	GWP			2,088.00
	Base Charge	[kg]		3.3
	TCO2 Charge	[kg]		6.89
Piping connections	Liquid			
	Gas	Type	Braze connection	Braze connection
		OD	9.52	9.52
		Type	Braze connection	Braze connection
		OD	19.05	19.05
	HP/LP gas	OD	15.88	15.88
Sound Data	Pressure Level at 1m	[dBA]		
	Power Level	[dBA]	47.00	53.00
Compressor				
	Type			Twin BLDC Inv. Rotary
NOTES:				
1. Unit to be provided by listed suppliers or equal.				
2. Central controller with capability of linking each individual unit				
3. The air handling units shall be supplied in a flat pack or sectional format to overcome restricted access. The unit shall be fully built and tested before being sent to site. The unit shall be re-build onsite.				
4. The ESPs are for tender purposes only. The contractor shall calculate the actual ESP based on final duct runs before ordering.				