

AIR HANDLING UNIT SCHEDULE (BASED ON NUAIRE)																			
				FAN DUTY		WHEN SPEED CONTROLLED TO REQUIRED DUTY:		AT FULL SPEED:											
UNIT REFERENCE	MODEL	SYSTEM	LOCATION	REQUIRED DUTY (SUPPLY AND EXTRACT)	FAN SPEED (%)	sfp (W/l/s)	MOTOR INPUT POWER (kW)	sfp (W/l/s)	MOTOR INPUT POWER (kW)	MAXIMUM FAN SPEED (rpm)	FAN ELECTRICAL DETAILS (VOLTAGE/PHAS E/FREQUENCY)	NOMINAL MOTOR RATING (kW)	FILTERS	HEAT RECOVERY	MAX. OPERATING TEMP (*C)	DIMENSIONS LxWxH (mm)	CONTROLS	REMARKS	
AHU-01	XBC85-H NESWP	Supply And Extract	First Floor Plant (Link Building)	1.1m3/s at 300Pa	72.5	2.2	2.428	4.2	6.347	2550	400V/3Ph/50Hz	6	High Capacity Pleated G4 Panel Filters	Counterflow Plate Heat Exchanger Matrix	40	2800x2126x876	Built in EcoSmart Controls. Provides 0-10V BMS connections for fan enabling / speed control and volt free connections for run and fault monitoring.	AHU paired with DX Evaporator Coil and Condenser for Cooling	
AHU-02	XBC85-V NESWP	Supply And Extract	Roof Plant (Jockey's Fields)	1.1m3/s at 300Pa	72.5	2.2	2.428	4.2	6.347	2550	400V/3Ph/50Hz	6	High Capacity Pleated G4 Panel Filters	Counterflow Plate Heat Exchanger Matrix	40	3000x1000x1676	Built in EcoSmart Controls. Provides 0-10V BMS connections for fan enabling / speed control and volt free connections for run and fault monitoring.	AHU paired with DX Evaporator Coil and Condenser for Cooling	

EXTERNAL CONDENSER UNIT SCHEDULE (BASED ON MITSUBISHI)																			
UNIT REF. NO	AREA SERVED	LOCATION	TYPE	CONDENSER MODEL REF	COOLING CAPACITY (NOMINAL/UK) (kW)	HEATING CAPACITY (NOMINAL/UK) (kW)	DIMENSIONS (WxDxHmm)	POWER INPUT COOLING (UK) (kW)	POWER INPUT HEATING (UK) (kW)	ELECTRICAL SUPPLY (v/ph/hz)	STARTING CURRENT (A)	RUNNING CURRENT (HEATING/COOLING) (A)	FUSE RATING (A)	SOUND PRESSURE LEVEL (HEATING /COOLING) (dba)	SCOP (nsh) / SEER (nsc)	MAX PIPE LENGTH (m)	MAX HEIGHT DIFFERENC E (m)	REFRIGERANT	REMARKS
IHP AHU-01	AHU-01 (First Floor Plant)	Roof Plant (Jockey's Fields)	Power Inverter Heat Pump	PUZ-ZM200YKA	19	22.4	1050 x 330x40 x 1338	4.11	5.07	380-415/3/50	5	9.57/8.58	25	62/59	4.5 (177.1%) / 7.49 (296.4%)	100	30	R32	AHU condensers to only provide cooling to unit. Paired with DX Evaporator Coil.
IHP AHU-02	AHU-02 (Roof Plant)	Roof Plant (Jockey's Fields)	Power Inverter Heat Pump	PUZ-ZM200YKA	19	22.4	1050 x 330x40 x 1338	4.11	5.07	380-415/3/50	5	9.57/8.58	25	62/59	4.5 (177.1%) / 7.49 (296.4%)	100	30	R32	AHU condensers to only provide cooling to unit. Paired with DX Evaporator Coil.
IHP-01	Lobby/Amenity G13	Lower Ground Floor	Power Inverter Heat Pump	PUZ-ZM50VKA2	4.6	5.1	809 x 300 x 630	1.05	1.15	220-240/1/50	4.3	5.01/4.57	16	46/44		50	30	R32	
IHP-02	Guest Amenity B32	Refuse Store (Ground Floor G28)	Inverter Heat Pump	SUZ-M35VAR2	3.43	3.53	800 x 285 x 550	0.86	0.91	220-240/1/50	5	5/4.1	10	48/48		20	12	R32	
IHP COMMS-01	Comms Room Riser B B08	First Floor Plant (Link Building)	Inverter Heat Pump (Cooling Only)	MUY-TP35VF-E2	3.47	N/A	800 x 285 x 550	0.64 (Fed by Indoor Unit)	N/A	Fed by Indoor Unit	3.6	3.6	10	45		20	12	R32	
IHP COMMS-02	Comms Room Plant B40	First Floor Plant (Link Building)	Inverter Heat Pump (Cooling Only)	MUY-TP35VF-E2	3.47	N/A	800 x 285 x 550	0.64 (Fed by Indoor Unit)	N/A	Fed by Indoor Unit	3.6	3.6	10	45		20	12	R32	

FCU SCHEDULE (BASED ON MITSUBISHI)																				
UNIT REF	LOCATION			UNIT DETAILS										SPIGOTS				CURRENT		
	ROOM NAME	ROOM REF	FLOOR	MODEL	DIMENSIONS (WxDxH)	COOLING (UK) kW	HEATING (UK) kW	SHF (NOMINAL)	COP / EER (NOMINAL)	SCOP (nsh) / SEER (nsc)	AIRFLOW HEATING / COOLING (L/s)	EXTERNAL STATIC PRESSURE (Pa)	SOUND PRESSURE LEVEL HEATING / COOLING (dba)	SPIGOT (Ø)	MINIMUM REQUIRED QTY	AIR PER SPIGOT (l/s)	AIR VELOCITY m/s	ELECTRICAL SUPPLY (v, ph, Hz)	FUSE RATING (A)	REMARKS
FCU-01	Lobby/Amenit y	G13	Ground Floor	PEAD-M501A2	900x732x250	4.6 (2.1 - 5.15)	5.1 (2.15 - 6.2)	0.84	4.4 / 4.2	4.4 (174.1%) / 6.4 (274.1%)	242	30	33	150	5	48	2.72	Fed by Outdoor Unit	6	Ceiling Mounted Unit
FCU-02	Guest Amenity	B32	Basement	MFZ-KT35VG-E3	750x215x600	3.43 (0.88 - 3.82)	3.53 (0.9 - 4.1)	0.70	3.41 / 3.3	4.4 / 6.6	162 / 148	30	44 / 4							