

AC Load Schedule

Summer Room Conditions 24 °C DB 50%
 Winter Room Conditions 21 °C DB 30%
 Minimum FCU Supply Temperature 12 °C DB Min 11.2
 Fan Coil Cooling S.H.R 0.75 To be confirmed by FCU manufacturer

Cooling capacities to be selected against external condenser sized at 35°C ambient.

Heating capacities to be selected against -4°C external ambient temperature.

Internal Units Selected against a nominal NR30

Internal units to be supplied with all recommended fixings, condensate pumps and return air controls.

Unit Ref	FCU Area m ²	Sens Cooling W/m ²	Heating Load W/m ²	Primary Supply Air l/s	Cooling		Heating	Notes / Dimensions HxWxD (With Decoration Panel)	Spigot Configuration		Indoor Unit Type	
					Sens Duty kW	Total Duty kW	Heating kW		No. Off	Blanked		
LG 1 (Front Office)	24.0	100	70	20	2.4	1.68	1.68	FXNQ40A - 620mm (H) x 950mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
LG 2 (Front Office)	24.0	100	70	20	2.4	1.68	1.68	FXNQ40A - 620mm (H) x 950mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
LG 3 (Rear Office)	28.0	65	70	20	1.8	1.96	1.96	FXNQ32A - 620mm (H) x 750mm (W) x 200 (D)	1	N/A	Floor Standing Unit	
LG 4 (Rear Office)	28.0	65	70	20	1.8	1.96	1.96	FXNQ32A - 620mm (H) x 750mm (W) x 200 (D)	1	N/A	Floor Standing Unit	
					8.44	7.28						
									RXYSQ5TV1	R410A		Percentage of Design
External Ambient Conditions									°C S/°C W	35/-4		
Capacity Index Limit										163		
Nominal Cooling									kW	14		
Nominal Heating									kW	14		
Limiting Dimensions (HxWxD)									mm			
										823mm (H) x 940mm (W) x 460mm (D)		
Weight									kg	94		
Electrical Supply									V/Ph/Hz	230/1/50		
Power Input									kW	-		
Running Current									Amps	19		
HRC Fuse Rating									Amps	32		
Max Pipe Length (indoor / outdoor)									m	90		
Max. Pipe lift									m	30		
SPL									dBa @ m	52		

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					Sens Duty kW	Total Duty kW	Heating kW		No. Off	Blanked		
G1 (Boardroom)	15.0	100	70	20	1.5	1.05	1.05	FXNQ20A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
G2 (Boardroom)	15.0	100	70	20	1.5	1.05	1.05	FXNQ20A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
3/1 (Brainstorming)	15.0	100	70	20	1.5	1.05	1.05	FXNQ20A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
3/2 (Meeting Room)	10.0	100	70	20	1.0	0.70	0.70	FXNQ20A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
					3.00	2.10						
									RXYSQ5TV1	R410A		Percentage of Design
External Ambient Conditions									°C S/°C W	35/-4		
Capacity Index Limit									-	163		
Nominal Cooling									kW	14		
Nominal Heating									kW	14		
Limiting Dimensions (HxWxD)									mm			
									823mm (H) x 940mm (W) x 460mm (D)			
Weight									kg	94		
Electrical Supply									V/Ph/Hz	230/1/50		
Power Input									kW	-		
Running Current									Amps	19		
HRC Fuse Rating									Amps	32		
Max Pipe Length (indoor / outdoor)									m	90		
Max. Pipe lift									m	30		
SPL									dBa @ m	52		

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					Sens Duty kW	Total Duty kW	Heating kW		No. Off	Blanked		
G2 (Library)	20.0	90	70	20	1.8	1.40	1.40	FXNQ20A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
G3 (Kitchen)	27.5	100	70	20	2.8	1.93	1.93	FXDQ40A3 - 200mm (H) x 950mm (W) x 620mm (D)	1	N/A	FCU ceiling unit	
G4 (Kitchen)	27.5	100	70	20	2.8	1.93	1.93	FXDQ40A3 - 200mm (H) x 950mm (W) x 620mm (D)	1	N/A	FCU ceiling unit	
					7.30	5.25						
									RXYSCQ5TV1	R410A		Percentage of Design
External Ambient Conditions									°C S/°C W	35/-4		
Capacity Index Limit									-	163		
Nominal Cooling									kW	14		
Nominal Heating									kW	14		
Limiting Dimensions (HxWxD)									mm			
									823mm (H) x 940mm (W) x 460mm (D)			
Weight									kg	94		
Electrical Supply									V/Ph/Hz	230/1/50		
Power Input									kW	-		
Running Current									Amps	19		
HRC Fuse Rating									Amps	32		
Max Pipe Length (indoor / outdoor)									m	90		
Max. Pipe lift									m	30		
SPL									dBa @ m	52		

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Unit Ref	FCU Area m ²	Sens Cooling W/m ²	Heating Load W/m ²	Primary Supply Air l/s	Cooling		Heating	Notes / Dimensions HxWxD (With Decoration Panel)	Spigot Configuration		Indoor Unit Type
					Sens Duty kW	Total Duty kW	Heating kW		No. Off	Blanked	
1/1 (Rear Office)	22.0	100	70	20	2.2	1.54	1.54	FXNQ32A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit
1/2 (Front Office)	20.0	95	70	20	1.9	1.40	1.40	FXNQ25A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit
1/3 (Front Office)	20.0	95	70	20	1.9	1.40	1.40	FXNQ25A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit
					6.00	4.34					
RXYSCQ4TV1									R410A		Percentage of Design
External Ambient Conditions									°C S/°C W	35/-4	
Capacity Index Limit									-	130	
Nominal Cooling									kW	14	
Nominal Heating									kW	14	
Limiting Dimensions (HxWxD)									mm		
823mm (H) x 940mm (W) x 460mm (D)											
Weight									kg	94	
Electrical Supply									V/Ph/Hz	230/1/50	
Power Input									kW	-	
Running Current									Amps	19	
HRC Fuse Rating									Amps	32	
Max Pipe Length (indoor / outdoor)									m	90	
Max. Pipe lift									m	30	
SPL									dBa @ m	52	

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					Sens Duty kW	Total Duty kW	Heating kW	No. Off		Blanked		
					2/1 (2nd Rear Office)	20.0	95	70		20	1.9	
2/2 (2nd Rear Office)	20.0	95	70	20	1.9	1.40	1.40	FXNQ25A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
2/3 (2nd Meeting Room)	20.0	100	70	20	2.0	1.40	1.40	FXNQ32A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
2/4 (2nd Front Office)	10.0	100	70	20	1.0	0.70	0.70	FXNQ20A - 620mm (H) x 750mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
3/5 (Balcony)	25.0	100	70	20	2.5	1.75	1.75	FXNQ40A - 620mm (H) x 950mm (W) x 200mm (D)	1	N/A	Floor Standing Unit	
					9.30	6.65						
RXYSQ5TV1										R410A		Percentage of Design
External Ambient Conditions										°C S/°C W	35/-4	
Capacity Index Limit										-	162	
Nominal Cooling										kW	14	
Nominal Heating										kW	14	
Limiting Dimensions (HxWxD)										mm		
823mm (H) x 940mm (W) x 460mm (D)												
Weight										kg	94	
Electrical Supply										V/Ph/Hz	230/1/50	
Power Input										kW	-	
Running Current										Amps	19	
HRC Fuse Rating										Amps	32	
Max Pipe Length (indoor / outdoor)										m	30	
Max. Pipe lift										m	30	
SPL										dBA @ m	52	