TOTTENHAM MEWS

NORMAN BROMLEY PARTNERSHIP

FAN SCHEDULE

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
MVHR												
MVHR-01	**Flat 0.1**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
MVHR												
MVHR-02	**Flat 0.2**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
MVHR												
MVHR-03	**Flat 1.10**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.031	0.031	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-04	**Flat 1.20**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	

TOTTENHAM MEWS

NORMAN BROMLEY PARTNERSHIP

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
Mechanical Heat Recovery												
MVHR-05	**Flat 1.30**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-06	**Flat 1.40**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.031	0.031	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-07	**Flat 2.10**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-08	**Flat 2.20**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	

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NORMAN BROMLEY PARTNERSHIP

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
Mechanical Heat Recovery												
MVHR-09	**Flat 2.30**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-10	**Flat 2.40**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.031	0.031	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-11	**Flat 3.10**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.031	0.031	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-12	**Flat 3.20**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	

TOTTENHAM MEWS

NORMAN BROMLEY PARTNERSHIP

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
Mechanical Heat Recovery												
MVHR-13	**Flat 3.30**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-14	**Flat 3.40**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.019	0.019	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-15	**Flat 3.50**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-16	**Flat 4.10**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.031	0.031	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	

TOTTENHAM MEWS

NORMAN BROMLEY PARTNERSHIP

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
Mechanical Heat Recovery												
MVHR-17	**Flat 4.20**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-18	**Flat 4.30**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-19	**Flat 4.40**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.019	0.019	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-20	**Flat 4.50**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	

TOTTENHAM MEWS

NORMAN BROMLEY PARTNERSHIP

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
Mechanical Heat Recovery												
MVHR-21	**Flat 5.10**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.019	0.019	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-22	**Flat 5.20**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
Mechanical Heat Recovery												
MVHR-23	**Flat 5.30**	Nuaire MRXBOXAB-ECO5-AEOHCV	0.07	0.025	0.025	350	Variable	1Φ	340	2.8	2.8	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	1 x CM-THERM-CONTROL - Digital room thermostat 1 x MR-ECO-COOL-V - Vertical cooling module
	In-duct (Supply)	-	39	45	38	43	31	23	<16	<16	23	
	In-duct (Extract)	-	39	39	38	30	24	<16	<16	<16	<16	
	Casing Radiated	-	42	45	37	30	20	<16	<16	<16	<16	
EF-01	**OFFICE WCs**	Nuaire Opus 150-2-M			0.065	90	Variable	1Φ	200	0.78	-	
		Utility Cupboard										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	On board commissioning + Timeclock control
	In-duct (Supply)	-										
	In-duct (Extract)	-		58	58	52	49	46	39	32	37	
	Casing Radiated	-										

TOTTENHAM MEWS

NORMAN BROMLEY PARTNERSHIP

System				Fan Duty / Arrangement					Motor/ Drive / Electrical Data			
Fan Ref	Zone	Unit Details	Boost / Overheating	Duty Air Volume Supply	Duty Air Volume Extract	External Static	Drive Type / Speed Control Method	Motor Type / Efficiency	Motor Rating	FLC	SC	
			m^3/s	m^3/s	m^3/s	Pa		Ph / IE	Watts	Watts	Watts	
EF-02	GF L/L Toilet	Nuaire Opus 100-2-M			0.015	80	Variable	1Φ	150	0.39	-	
		GF Plantroom										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	On board commissioning + local PIR
	In-duct (Supply)	-										
	In-duct (Extract)	-										
	Casing Radiated	-		43	42	48	42	34	25	20	28	
EF-03	Bin Store Extract	DE4HA-ES										
		Bin Stores										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	Constant + BMS commissioned
	In-duct (Supply)	-	78	74	67	63	52	55	51	55		
	In-duct (Extract)	-	88	88	72	71	66	64	59	59		
	Casing Radiated	-	63	60	54	49	39	36	29	26	33	
EF-04	Cleaner's	Nuaire Opus 100-2-M			0.03	90	Variable	1Φ	150	0.39	-	
		B01 Cleaner's										
	Hz	-	63	125	250	500	1k	2k	4k	8k	Dba	On board commissioning + Timeclock control
	In-duct (Supply)	-										
	In-duct (Extract)	-	49	60	50	47	40	34	27	27		
	Casing Radiated	-	50	59	53	46	43	41	33	26	32	

Notes

1 Air volumes include an allowance of 10% for commissioning / other margins
2 Static s include an allowance of 10% for commissioning / other margins
3