

KFC Standard Performance Criteria Data

NOISE CRITERIA

All plant and equipment shall be selected in accordance with the recommended internal ambient noise levels set out in the relevant CIBSE guides. If required, suitable plant attenuation shall be installed to meet this criteria.

All plant and equipment shall be selected with low noise levels, to ensure noise from the property is minimised.

Maximum noise levels generated by mechanical plant, shall fall in line with the local authorities detail and environmental health.

DESIGN CRITERIA

EXTERNAL DESIGN CONDITIONS

Winter	-5°C, 100% RH
Summer	33°C DB/20°WB

INTERNAL DESIGN CONDITIONS

Sales Areas	21 °C (+/- 2)
Changing Areas	21 °C (+/- 2)
BOH Areas	21 °C (+/- 2)
Circulation / Hallways	18 °C (+/- 2)

VENTILATION RATES

In accordance with Part F of UK Building Regulations and as per Design Details, detailed on TSG Electrical Services Ltd Tender drawings.

MAXIMUM DESIGN VELOCITIES

MCWS/HWS Pipework	< 1.5 m/s
Ventilation ductwork branches	2.5 m/s
Ventilation ductwork main runs	4.0 m/s
Ventilation ductwork risers/plantrooms	6.0 m/s
Face Velocity of Inlet and Discharge Louvres	1.7 m/s

Note: Air velocities in ductwork will need to be selected so as to minimise noise generation and ensure internal ambient noise levels are achieved.

DESIGN PRESSURE DROPS IN DUCTWORK AND PIPEWORK SYSTEMS

Maximum MCWS/HWS pipework	>22mm 300 Pa/m
	<22mm 600 Pa/m
Supply and Extract Air Systems	1.0 pa/m

CANOPY EXTRACT SYSTEM FILTRATION

All extract canopies are to be complete with inline hydrotec or electrostatic filtration system to adhere to local authority PPM requirements for the clean air act works. All details as per planning application approval TSG electrical services drawing packs.