

TECHNICAL SPECIFICATION		
ITEM	DESCRIPTION	DETAILS
1	PRE-FILTER FILTER	PRE-FILTERS Perfect Pleat G4 Airstance 90-95%  PART NO W X H OFF 4531002024 610X508 1  NO SPARE SET
	POLYSEAL	FILTERS M-Frak F6 Efficiency 60-65%  PART NO W X H OFF 2761100009 610X508 1  NO SPARE SET
2	BOX COIL	MODEL= 1022A1702048021EXX04 ROWS= 2 CONNECTIONS SUPPLY(mm)= 12 TOTAL CAPACITY(W)= 7.68 ENTERING AIR(CDB)= 32.00 LEAVING AIR(CDB)= 22.00 REFRIGERANT= R410A NO OF CIRCUITS 1 INTERLACED CONNECTION TYPE= PLAIN BINDER TAPPING POINTS= N/A DRAIN PAN= Drain Standard Sloping - Polypropylene CASING = Galv NOTE: FINN= AL TUBES= COPPER RETURN(mm)= 28 °CWB= 22.00 °CWB= 18.05 SUCTION TEMP= 6.00 °C HOT GAS BY PASS= N/A MOISTURE ELIMINATOR= NO DRAIN CONNECTION(BSP)= 1"
3	ELECTRIC COIL	ELECTRICAL SUPPLY 415/240v TOTAL CAPACITY 15.00 kW STAGES 1 ENTERING AIR(C)= -5.00 LEAVING AIR(C)= 20.00 ELEMENT SHEATHED WITH HIGH TEMPERATURE MANUAL RESET CUTOUT NOTE:
4	FAN SUPPLY	FAN MODEL= THLZ 200 FF R IMPELLER TYPE= BC AIR FLOW (m³/s)= 0.48 ESP(Pa)= 250 FSP(Pa)= 578 SPEED (rpm)= 3507 ABS. POWER (kW)= 0.42 FREQUENCY (Hz) 63 125 250 500 1k 2k 4k 8k SOUND POWER LEVEL (dB) 90 82 81 79 77 74 68 60 VOLUME CONTROL= N/A FINISH= STANDARD N/A SHAFT GUARDS= N/A INSPECTION DOOR= N/A INLET GUARDS= N/A STAINLESS STEEL SHAFT= N/A DRAIN PLUG= N/A SPARK MINIMISING FEATURES= N/A DRIVE MOTOR RATING (kW)= 0.55 TYPE= 80 EFF1 F.L. SPEED (rpm)= 2790 SUPPLY= 400V/50Hz FULL LOAD CURRENT(amps)= 1.27 WINDING TYPE= SINGLE STARTING CURRENT(amps)= 8.84 STARTING METHOD= DOL THERMISTER FITTED= N/A EPOXY PAINT FINISH= N/A SPARE DRIVE BELTS (SETS)= 0
5	FLEXIBLE CONNECTION	MATERIAL - PVC COATED POLYESTER FABRIC CONFORMS TO DIN 24194
6	AVM'S	TYPE SPRING No REQUIRED 4 PER FAN
7	FINISH	FRAMES - ANODISED ALUMINIUM ALLOY PANELS OUTER SKIN - GREY PLASTISOL PANELS INNER SKIN - GALVANIZED
8	INSULATION	ALL PANELS DOUBLE SKINNED 25 mm THICK
9	GENERAL NOTES	a) FULL UNIT WIDTH CLEARANCE REQ'D FOR FAN & COIL REMOVAL. b) CLEARANCE REQUIRED AT ACCESS SIDE OF FILTER SECTION FOR FILTER REMOVAL SEE PLAN VIEW. c) CARE MUST BE TAKEN WHEN PIPING-UP TO ENSURE THAT NO WEIGHT IS PLACED UPON THE COIL CONNECTIONS. d) NO LOADS FROM CLIENTS DUCTWORK TO BE IMPOSED ON UNIT e) ALL QUOTED FAN VOLUMES & NOISE LEVELS ARE PROVIDED IN ACCORDANCE WITH RELEVANT FAN MANUFACTURES STANDARDS AND ARE SUBJECT TO INDUSTRIAL ACCEPTED TOLERANCES f) INLET AND OUTLET FLANGES UNDRILLED FOR RECOMMENDED DUCTWORK FIXING DETAILS SEE DRAWING No. A2-920685 g) CABLE PENETRATIONS SHOULD BE VIA HOLES CUT IN THE PANELS & MUST BE SEALED WITH A SUITABLE MASTIC AFTER THE CABLE HAS BEEN CLIPPED AND GLANDED. h) ALL GALVANISED/STAINLESS STEEL/PLASTISOL & ALUMINIUM USED IN THE CONSTRUCTION OF THESE UNITS IS PURCHASED AND IN LINE WITH THE RELEVANT BRITISH & EUROPEAN STANDARDS. i) INSERTION LOSSES ARE DERIVED FROM STATIC TESTS CARRIED OUT IN ACCORDANCE WITH BS4718:1971. EFFECTIVE INSERTION LOSS IN AHU APPLICATION WILL BE AFFECTED BY AIRFLOW CONDITIONS/NOISE REGENERATION AND COMPONENT LOSSES. THE DATA SHOULD NOT BE ARITHMETICALLY SUBTRACTED FROM THE FAN L <sub>in</sub> TO OBTAIN THE INLET & OUTLET LEVELS. REFERENCE MUST BE MADE TO DAKIN. j) ESTIMATED SHIPPING WEIGHT = 219 kg

### WEATHERPROOF CONSTRUCTION

