



**WEATHERPROOF CONSTRUCTION**

TECHNICAL SPECIFICATION					
ITEM	DESCRIPTION	DETAILS			
1	PRE-FILTER FILTER	PRE-FILTERS Perfect Pleat G4 Efficiency 90-95%	PART NO 4531002024 4531001224	W X H OFF 508X610 305X610	1 1
		NO SPARE SET			
	POLYSEAL	FILTERS M Pak F6 Efficiency 60-65%	PART NO 2761100009 2761100002	W X H OFF 508X610 305X610	1 1
		NO SPARE SET			
2	DIX COIL	MODEL= 1022A260206021EXX08 ROWS= 2 CONNECTIONS SUPPLY(mm)= 16 TOTAL CAPACITY(W)= 18 ENTERING AIR(CDB)= 32.00 LEAVING AIR(CDB)= 22.00 REFRIGERANT= R410A NO OF CIRCUITS 11 INTERLACED CONNECTION TYPE= PLAIN BINDER TAPPING POINTS= N/A DRAIN PAN= Drain Standard Sloping - Polypropylene NOTE=	FINS= AL TUBES= COPPER RETURN(mm)= 35 "CWB= 22.00 "CWB= 18.04 SUCTION TEMP HOT GAS BY PASS= NO MOISTURE ELIMINATOR= NO DRAIN CONNECTION(BSP)= 1"		
3	ELECTRIC COIL	ELECTRICAL SUPPLY 415/240v TOTAL CAPACITY 36.00 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 280 FF R AIR FLOW (m³/s)= 1.13 SPEED (rpm)= 2844 FREQUENCY (Hz) 63 125 250 500 1k 2k 4k 8k SOUND POWER LEVEL (dB) 93 89 84 83 78 74 65 59 VOLUME CONTROL= N/A FINISH= STANDARD INSPECTION DOOR= N/A STAINLESS STEEL SHAFT= N/A SPARK MINIMISING FEATURES= N/A	IMPELLER TYPE= BC ESP(Pa)= 250 ABS. POWER (kW)= 1.01 FSP(Pa)= 624 WINDING TYPE= SINGLE STARTING METHOD= DOL TYPE= 90S EFF1 SUPPLY= 400V/50Hz WINDING TYPE= SINGLE STARTING METHOD= DOL SPARE DRIVE BELTS (SET(S))= 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>o</sub> TO OBTAIN THE INLET & OUTLET LEVELS. REFERENCE MUST BE MADE TO DAKIN. j) ESTIMATED SHPPING WEIGHT = 298 kg			