



TECHNICAL SPECIFICATION		
ITEM	DESCRIPTION	DETAILS
8	FAN RETURN	FAN MODEL= TLZ 225 R AIR FLOW (m³/s)= 0.79 SPEED (rpm)= 1806 FREQUENCY (Hz) 63 125 250 500 1k 2k 4k 8k SOUND POWER LEVEL (dB) 71 73 74 74 79 75 74 70 VOLUME CONTROL= N/A FINISH= STANDARD INSPECTION DOOR= N/A SHAFT GUARDS= N/A INLET GUARDS= N/A STAINLESS STEEL SHAFT= N/A DRAIN PLUG= N/A SPARK MINIMISING FEATURES= N/A DRIVE MOTOR RATING (kW)= 1.10 FL SPEED (rpm)= 1420 SUPPLY= 400V/50Hz FULL LOAD CURRENT(amps)= 2.50 WINDING TYPE= SINGLE STARTING CURRENT(amps)= 17.50 STARTING METHOD= DOL THERMIST FTTED= N/A EPOXY PAINT FINISH= N/A SPARE DRIVE BELTS (SET(S))= 0
9	FLEXIBLE CONNECTION	MATERIAL - PVC COATED POLYESTER FABRIC CONFORMS TO DIN 24194
10	AVM's	TYPE SPRING No REQUIRED 4 PER FAN
11	FINISH	FRAMES - ANODISED ALUMINIUM ALLOY PANELS OUTER SKIN - GREY, PLASTISOL PANELS INNER SKIN - GALVANIZED
12	INSULATION	ALL PANELS DOUBLE SKINNED 25 mm THICK
13	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 DETAIL 5 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 Lw TO OBTAIN THE INLET & OUTLET LEVELS. REFERENCE MUST BE MADE TO DAKIN. j) ESTIMATED SHIPPING WEIGHT = 640 kg

WEATHERPROOF CONSTRUCTION

SECTIONS		
NO	LENGTH	WEIGHT
1	1650 mm	220 Kg
2	2300 mm	270 Kg
3	1250 mm	150 Kg

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1	FLATBANK FILTER	SIDE ACCESS Perfect Pleat G4 ARRESTANCE 90-95% PART NO 4531002424 W X H OFF 610X610 1
2	HEATCUBE	SIZE= 700 CODE= RXL.700.300 B16.0 HSI WINTER CONDITIONS SUPPLY AIR ON = -5.0 °C EXHAUST AIR ON = 22.0 °C HEAT RECOVERY = 12.0 kW EFFICIENCY(%)= 48.5 SUMMER CONDITIONS SUPPLY AIR ON = 32.0 °C EXHAUST AIR ON = 22.0 °C HEAT RECOVERY = 3.0 kW EFFICIENCY(%)= 46.7 MATERIALS OF CONSTRUCTION= STANDARD DRAIN PAN= STANDARD SLOPING - POLYPROPYLENE DRAIN CONNECTION SIZE(BSP)= 1" BYPASS= TRUE NOTE -
3	BAG FILTER	SIDE ACCESS M-Pak F5 EFFICIENCY 60-65% PART NO 2761100015 W X H OFF 610X610 1 NO SPARE SET
4	DX COIL	MODEL= 1022A220250803DEKX05 ROWS= 2 CONNECTIONS SUPPLY(mm)= 6 TOTAL CAPACITY(KW)= 4.69 ENTERING AIR(°CDB)= 25.60 LEAVING AIR(°CDB)= 22.00 REFRIGERANT= R410A No OF CIRCUITS 1 INTERLACED CONNECTION TYPE= SCREWED BINDER TAPPING POINTS= N/A DRAIN PAN= Standard Sloping - Polypropylene CASING = Galv NOTE - FINIS= AL TUBES= COPPER RETURN(mm)= 12 °CWB= 19.93 °CWB= 18.42 SUCTION TEMP 6.00 °C HOT GAS BY PASS= N/A MOISTURE ELIMINATOR= NO DRAIN CONNECTION(BSP)= 1"
5	ELECTRIC COIL	ELECTRICAL SUPPLY 415/240v TOTAL CAPACITY 24.00 kW STAGES 1 ENTERING AIR(°C)= -5.00 LEAVING AIR(°C)= 20.00 ELEMENT SHEATHED WITH HIGH TEMPERATURE MANUAL RESET CUTOOUT NOTE -
6	FAN SUPPLY	FAN MODEL= TLZ 250 R AIR FLOW (m³/s)= 0.79 SPEED (rpm)= 3236 FREQUENCY (Hz) 63 125 250 500 1k 2k 4k 8k SOUND POWER LEVEL (dB) 91 91 85 83 80 75 70 65 VOLUME CONTROL= N/A FINISH= STANDARD INSPECTION DOOR= N/A SHAFT GUARDS= N/A INLET GUARDS= N/A STAINLESS STEEL SHAFT= N/A DRAIN PLUG= N/A SPARK MINIMISING FEATURES= N/A DRIVE MOTOR RATING (kW)= 1.50 FL SPEED (rpm)= 2875 SUPPLY= 400V/50Hz FULL LOAD CURRENT(amps)= 3.05 WINDING TYPE= SINGLE STARTING CURRENT(amps)= 24.01 STARTING METHOD= DOL THERMIST FTTED= N/A EPOXY PAINT FINISH= N/A SPARE DRIVE BELTS (SET(S))= 0
7	FLATBANK FILTER	SIDE ACCESS Perfect Pleat G4 ARRESTANCE 90-95% PART NO 4531002424 W X H OFF 610X610 1 NO SPARE SET