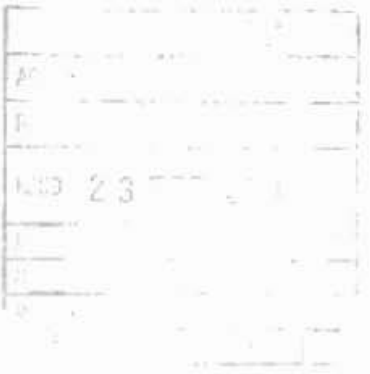
15 February 2010

Our Ref Q3251



T & G Associates Ltd
1st Floor
Westwood House
Greenwood Office Park
Manchester
M5 4QH

FOR THE ATTENTION OF JOANNE GRIFFITHS

Dear Madam

Re 8272 – Unit 2, Margolis Building, Manchester, Fume Extraction.

This project will require both extraction and supply systems to conform to the present specification of DW 172.

It would be our intention to extract from above the cooking equipment via a stainless steel canopy with baffle type filters through a range of ductwork and in line fan with controller.

The ductwork would exit the building through an adjacent wall preferably on a back street wall; the ductwork would then rise to high level terminating one mtr above roof level. The selected fan for extraction purposes would be a MUB 042-500 EA multibox internal mounted with an extraction rate of 1.5M^3/sec at 300 Pascal and controlled by an RTRE transformer.

Supply air would be 75% of the extract rate and would be supplied via an Air Handling Unit, Ref P6E, internally mounted, comprising, panel filter 27 KW 3 step 3 PH electric heater (18^{0}C rise) (LPHW version of above can be supplied if preferable) ESC 27/3/3 heater control will be required, this would be an electrical heater control panel with built in run on timer, visual indication for power, fan run, heat on and fan trip, supply fan contractor, duct sensor and air flow switch . The Air Handling Unit would be internally mounted adjacent to an appropriate external wall with a duct through the wall and an external weather louver fitted externally, a range of ductwork would be incorporated to distribute an even flow of air throughout the kitchen.

DETAILS

EXTRACT:-	Mub Fan .042 500E4A2 Multibox F.L.C. 5-7 Amp S.C. 20 Amp Motor 1.35 1PH D.B.A. 56 @ 3 mtr
SUPPLY:-	P6E Air Handling Unit F.L.C. 4.3 Amp S.C. 9.5 Amp Motor 1.1 Kw 3PH D.B.A. 59 @ 3 mtr

16 February 2010

JOANNE GRIFFITHS

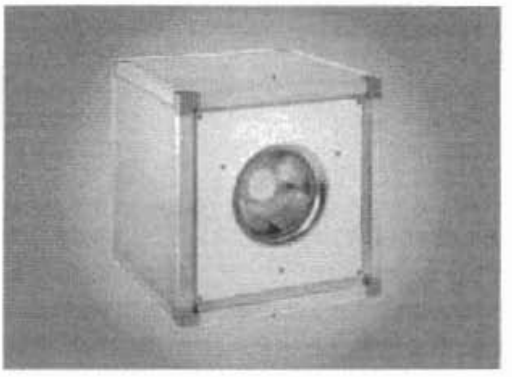
Should the above information be of any use to yourselves, we would be happy to design and install the system; this scheme is based on the limited information available at the time of compiling.

Yours faithfully
For M L Shaw (Fabrications) Ltd

J G McKerracher
Director

MUB
Multibox acoustic duct fan

by Systemair

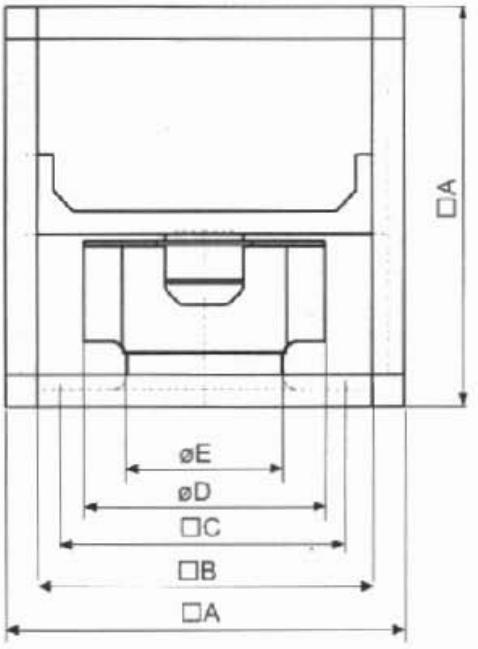


- Backward curved centrifugal fan, 355mm to 500mm
- Fan - single phase, 230V - 1Ph - 50Hz
- 100% speed controllable
- 20mm acoustic lining (low noise)
- Penta post construction with double skinned panels
- Integral thermal contacts
- Can be installed in any position
- Removable panels to allow side or straight through discharge
- 3 year warranty
- Backward curved impeller with external rotor motor
- Filters & heater batteries available

Product Code Single phase	Speed rpm	Airflow m³/sec @ Static Pressure Pa. (Straight Discharge)					Motor Data			dBA @ 3m	Speed Control	
		100	200	300	400	500	FLC	SC	kW		Elec	Trans
MUB 025-355E4-A2	1260	0.55	0.40	0.20			1.25	3.1	0.28	54	SC 1,5	RTRE 1,5
MUB 042-400E4-A2	1360	0.96	0.85	0.65	0.20		2.2	5.0	0.62	49	SC 3,0	RTRE 3
MUB 042-450E4-A2	1280	1.20	1.00	0.80	0.46		3.5	10.0	0.74	52	SC 5,0	RTRE 5
MUB 042-499E4-A2	1320	1.50	1.27	1.05	0.80	0.46	4.95	13.0	1.1	52	N/A	RTRE 5
MUB 042-500E4-A2	1340	1.75	1.53	1.40	1.20	0.75	5.7	20.0	1.35	58	N/A	RTRE 7

MUB	□A	□B	□C	øD	øE	Weight kg
025 355E4-A2	500	420	378	355	224	37
042 400E4-A2	670	590	548	400	263	67
042 450E4-A2	670	590	548	454	286	67
042 499E4-A2	670	590	548	-	-	70
042 500E4-A2	670	590	548	504	321	70

With external rotor motor



Accessories


FGV


UGS

WSG

WDS

SRKG

For Accessories see page 129