



PYRAL R

F400/120mn

reaction extraction unit

CE: 0370-CPR-2292



VENTILATION OF PROFESSIONAL KITCHENS, A SPECIALIST AFFAIR.

PYRAL R

DESIGN / MANUFACTURE

The casing is composed of self-supporting galvanised steel panels. The side panels are fixed using 4 quarter turn screws, giving access to the ventilator fan unit. Optional double skin insulation.

As standard, the box is available with:

- Smooth connection sleeve on the intake and discharge.
- Galvanised steel support stands allowing fixture to the ground or the fitting of vibrational pads.
- In line "Intake and discharge" and straight service (vertical fan discharge and/or left services on request).
- Degreasing tank with purge fitted in the lower part.

Galvanised steel double outlet reaction fan.

IP55 class F, foot-mounted motor built into the casing, outside the air flow and ventilated air flows.

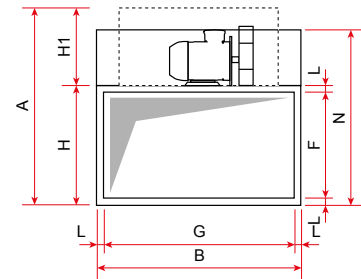
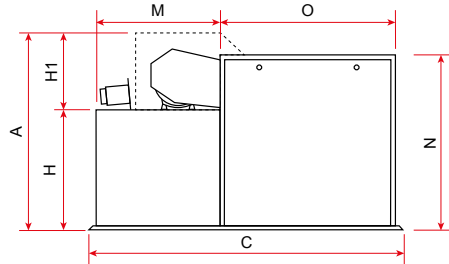
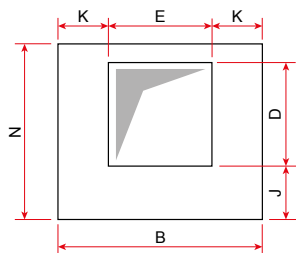
- Three-phased 400V, 1 speed
- Three-phased 400V, 2 Dalhandler speeds (1/2 ratio) or separate coils (2/3 - 1/3 ratio) for operation as smoke extraction only (ErP 2016).

Pulley and belt drive.

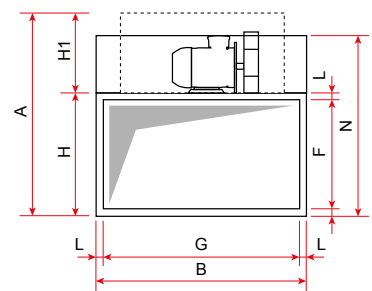
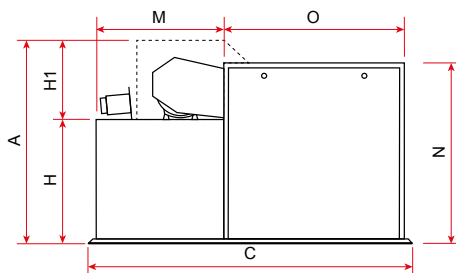
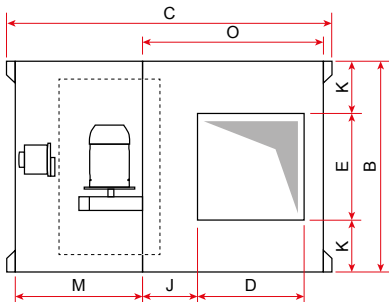
Protection by a galvanised steel guard.

DIMENSIONS / WEIGHT

IN LINE INTAKE AND DISCHARGE SIZE 1 / SIZE 2



IN LINE INTAKE AND VERTICAL 90° DISCHARGE SIZE 1 / SIZE 2



PYRAL T1/T2	Size	A** (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
250 R	T1	757	654	1170	324	324	367	590	427
355 R	T2	851	892	1370	450	450	461	828	521

PYRAL T1/T2	Size	H1 ** (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	O (mm)	Weight* (kg)
250 R	T1	330	167	163	30	510	591	591	67.3
355 R	T2	330	232	219	30	540	761	761	110

* Weight excluding motor and double skin insulation

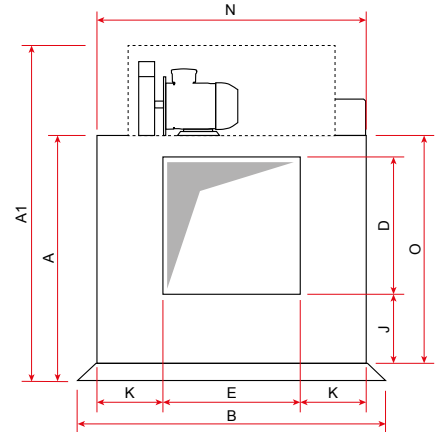
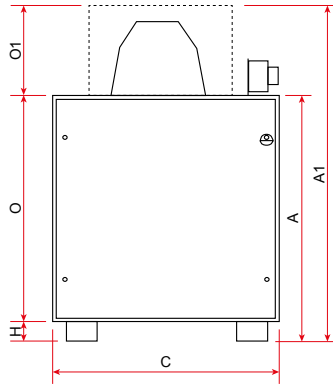
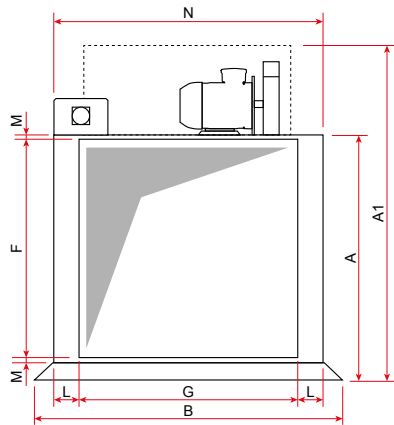
** Maximum measurement



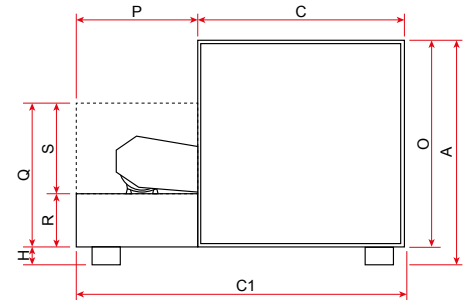
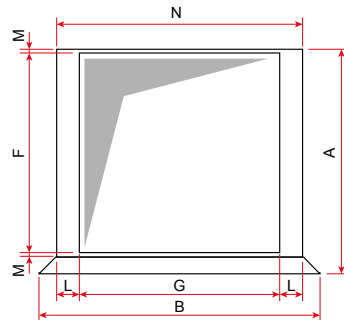
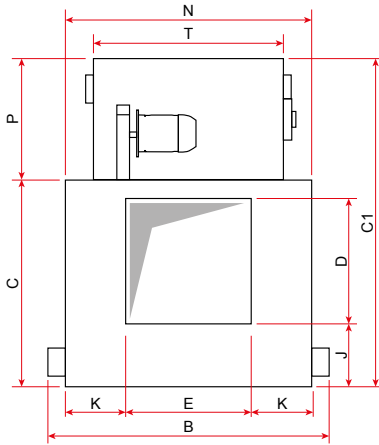
PYRAL R

DIMENSIONS / WEIGHT

IN LINE INTAKE AND DISCHARGE SIZE 3 / SIZE 4 / SIZE 5



IN LINE INTAKE AND VERTICAL 90° DISCHARGE SIZE 3 / SIZE 4 / SIZE 5



PYRAL T3/ T4/T5	Size	A (mm)	A1** (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)
450 R	T3	1041	1535	1300	941	1467	571	571	898	898	100	287	264.5
560 R	T4	1278	1772	1600	1178	1869	714	714	1135	1135	100	359	343
630 R	T5	1485	1982	1910	1385	1986	801	801	1342	940	100	451	454.5
710 R	T5	1485	1982	1910	1385	1986	898	898	1342	940	100	442	406

PYRAL T3/ T4/T5	Size	L (mm)	M (mm)	N (mm)	O (mm)	O1** (mm)	P (mm)	Q** (mm)	R (mm)	S** (mm)	T (mm)	Weight* (kg)
450 R	T3	101	22	1100	941	494	526	919	364	555	876	170
560 R	T4	133	22	1400	1178	494	691	938	303	635	1080	252
630 R	T5	385	22	1710	1385	494	601	1270	575	695	1187	399
710 R	T5	385	22	1710	1385	494	601	1270	575	695	1187	445

* Weight excluding motor and double skin insulation

** Maximum measurement



PYRAL R

MOTOR SPECIFICATIONS

1 SPEED MOTOR - THREE-PHASED - 4 POLES (1500RPM) - 50HZ

Power (kW)	Voltage (V)	Rotation speed (Rpm)	Int. (A)	ID/IN	Output (%)	cos Φ	Type	Al.	Weight (kg)
0.37	Tri 230/400	1380	1.84/1.06	4.3	68	0.74	71	14	8
0.75	Tri 230/400	1410	2.83/1.63	6	79.8	0.83	80	19	13.5
1.10	Tri 230/400	1450	4.17/2.40	6.5	81.8	0.81	90S/L	24	19
1.50	Tri 230/400	1440	5.67/3.26	6.3	83	0.8	90S/L	24	22
2.20	Tri 230/400	1435	8.07/4.64	7	84.5	0.81	100L	28	30.5
3.00	Tri 230/400	1420	10.7/6.17	6.5	85.6	0.82	100L	28	33
4.00	Tri 230/400	1440	14.1/8.12	6.6	86.7	0.82	112M	28	42
5.50	Tri 230/400	1460	18.3/10.5	7.3	88.1	0.86	132S	38	60
7.50	Tri 230/400	1455	24.5/14.1	7.2	89	0.86	132M	38	62
9.20	Tri 230/400	1455	30.1/17.3	7.7	89.5	0.86	132M	38	75
11.00	Tri 400/690	1470	21.2/12.3	6.4	90.2	0.83	160M	42	105
15.00	Tri 400/690	1465	28.7/16.6	6.2	91	0.83	160L	42	125
18.50	Tri 400/690	1465	35.1/20.3	6.6	91.6	0.83	180M	48	164
22.00	Tri 400/690	1465	40.5/23.5	6.8	92.3	0.85	180L	48	186

1 SPEED MOTOR - THREE-PHASED - 2 POLES (3000RPM) - 50HZ - WITH PTO

Power (kW)	Voltage (V)	Rotation speed (Rpm)	Int. (A)	ID/IN	Output (%)	cos Φ	Type	Al.	Weight (kg)
0.75	Tri 230/400	2800	2.75/1.58	6.5	79.5	0.86	80	19	12.5
1.10	Tri 230/400	2790	4.05/2.33	6.5	80	0.85	80	19	14
1.50	Tri 230/400	2865	5.46/3.14	7	82	0.83	90S/L	24	17.5
2.20	Tri 230/400	2840	7.97/4.58	6.6	83.6	0.83	90S/L	24	21
3.00	Tri 230/400	2880	10.3/5.92	8	85	0.86	100L	28	28.5
4.00	Tri 230/400	2880	13.3/7.63	7	86	0.88	112M	28	38
5.50	Tri 230/400	2910	18.4/10.6	6.8	88	0.85	132S	38	60
7.50	Tri 230/400	2910	24.5/14.1	6.8	88.5	0.87	132S	38	63
9.20	Tri 230/400	2915	30.1/17.3	7.6	89	0.86	132M	38	70
11.00	Tri 400/690	2935	20.4/11.8	7	90.5	0.86	160M	42	104
15.00	Tri 400/690	2930	27.6/16.0	7	91.3	0.86	160M	42	112
18.50	Tri 400/690	2940	33.7/19.5	7.4	92	0.86	160L	42	124
22.00	Tri 400/690	2945	39.1/22.7	7.3	92.2	0.88	180M	48	164

2 SPEED MOTOR - THREE-PHASED - DALHANDLER 4/8 POLES (1500/750rpm) - 50HZ - WITH PTO

Power (kW)	Voltage (V)	Rotation speed (Rpm)		Int. (A)		ID/IN		Output (%)		cos Φ		Type	Al.	Weight (kg)
		HS	LS	HS	LS	HS	LS	HS	LS	HS	LS			
0.6/0.15	Tri 400	1440	710	1.76	0.76	5.5	3.1	68.5	46	0.72	0.62	80	19	14.8
0.8/0.2	Tri 400	1415	690	1.99	0.884	4.7	2.7	70	49.5	0.83	0.66	80	19	14.8
1.2/0.3	Tri 400	1430	705	2.92	1.29	5.5	3.1	76	57	0.78	0.59	90	24	21.1
1.6/0.4	Tri 400	1420	700	3.8	1.69	5.7	3.2	77	59	0.79	0.58	90L	24	23.3
2.2/0.55	Tri 400	1430	700	4.84	2	6.9	3.5	80	65	0.82	0.61	100L	28	29.9
2.8/0.7	Tri 400	1410	690	6.01	2.41	6	3.6	80	66.5	0.84	0.63	100	28	32.3
3.8/1	Tri 400	1440	710	8.26	2.75	7	4	80	74	0.83	0.71	112M	28	45.8
5/1.3	Tri 400	1440	730	10.4	3.5	8.5	6.2	80	76.5	0.87	0.7	132S	38	66.9
7.2/1.8	Tri 400	1440	725	14.4	4.64	8.5	6.2	83	80	0.87	0.7	132M	38	82.7
11/3	Tri 400	1455	725	21.7	7	7	4.3	86	82.5	0.85	0.75	160M	42	119
14/3.5	Tri 400	1455	725	26.5	8.45	7.2	4.2	86.5	83	0.88	0.72	160L	42	135
17/4.3	Tri 400	1475	730	33.4	12.7	8	4	89.5	84.2	0.82	0.58	180M	48	162
20/5	Tri 400	1470	730	38.6	14.1	8.8	5.1	89	82.7	0.84	0.62	180L	48	177
28/6.5	Tri 400	1480	735	52	18	7.4	3.6	91.5	87	0.85	0.6	200L	55	235

2 SPEED MOTOR - THREE-PHASED - DALHANDLER 2/4 POLES (3000/1500rpm) - 50HZ - WITH PTO

Power (kW)	Voltage (V)	Rotation speed (Rpm)		Int. (A)		ID/IN		Output (%)		cos Φ		Type	Al.	Weight (kg)
		HS	LS	HS	LS	HS	LS	HS	LS	HS	LS			
1.1/0.25	Tri 400	2810	1390	2.41	0.75	6	3.8	75	70.5	0.88	0.68	80	19	12
1.5/0.37	Tri 400	2900	1435	3.54	1.25	6.5	4.5	76.4	68.8	0.8	0.62	90S/L	24	15.7
2.2/0.5	Tri 400	2845	1420	4.63	1.54	6	3.5	78.9	71	0.87	0.66	90S/L	24	17.7
2.5/0.65	Tri 400	2890	1435	5.18	1.66	6.5	4.5	81	77.5	0.86	0.73	100L	28	23.2
3.1/0.8	Tri 400	2890	1430	6.2	1.99	7.2	4.6	82	77.5	0.88	0.75	100L	28	25.7
4.4/1.1	Tri 400	2890	1440	8.59	2.79	7.8	5	84	79	0.88	0.72	112M	28	38.8
6/1.5	Tri 400	2930	1460	11.4	3.67	8.3	5.6	85	83	0.89	0.71	132M	38	51
8/2	Tri 400	2930	1470	15.3	4.83	8.5	5.8	85	83	0.89	0.72	132M	38	59.9
3/12	Tri 400	2950	1470	23.1	7.26	8.5	6	86	84	0.87	0.71	160M	42	100
16/4	Tri 400	2950	1470	30.5	9.57	8.6	6	87	85	0.87	0.71	160L	42	110
20/5.5	Tri 400	2955	1465	36	12.7	9.2	4.7	90	87	0.89	0.72	180M	48	150
25/6.3	Tri 400	2955	1465	44.6	14.3	8.9	4.7	91	88.5	0.89	0.72	180L	48	180

2 SPEED MOTOR - THREE-PHASED - SEPARATE COILS 4/6 POLES (1500/1000rpm) - 50HZ - WITH PTO

Power (kW)	Voltage (V)	Rotation speed (Rpm)		Int. (A)		ID/IN		Output (%)		cos Φ		Type	Al.	Weight (kg)
		HS	LS	HS	LS	HS	LS	HS	LS	HS	LS			
0.55/0.20	Tri 400	1450	970	1.75	1.05	5	3.7	65.7	46	0.69	0.6	80	19	15.6
0.75/0.25	Tri 400	1430	970	1.94	1.32	4.7	3.9	68	48	0.82	0.57	80	19	14
1.1/0.3	Tri 400	1440	970	2.92	1.51	5.4	5.1	72.5	53	0.75	0.54	90S	24	21.3
1.5/0.37	Tri 400	1440	970	3.65	1.62	5.5	4.5	75	55	0.79	0.6	90L	24	23.5
2.2/0.7	Tri 400	1430	970	4.91	2.48	6	5.5	77	68	0.84	0.6	100L	28	31.4
3/1	Tri 400	1460	985	6.85	3.86	7.6	6.2	81	68	0.78	0.55	112M	28	46
4.5/1.5	Tri 400	1465	990	10.2	5.38	7.5	7	82	76	0.78	0.53	132S	38	64.2
6/2.2	Tri 400	1465	990	13.7	6.96	7.8	7.4	82	80	0.78	0.57	132M	38	72.8
10/3.3	Tri 400	1475	975	22	8.74	7	4	87	79	0.76	0.69	160M	42	121
14/4.5	Tri 400	1470	975	28	11	7	4.5	88	79	0.82	0.75	160L	42	139
16/6.5	Tri 400	1465	980	28.4	12.5	8.5	7.6	88	86.3	0.85	0.87	180M	48	195
20/8.5	Tri 400	1465	985	34.9	16.3	9	8.7	89	87.5	0.93	0.86	180L	48	200
26/9	Tri 400	1480	990	47.7	18.6	7.5	7.5	90.5	88.5	0.87	0.79	200L	55	265

