



ACOUSTIC CABINET FANS CAB-TWIN ECOWATT SERIES



Information

Acoustic twin cabinet fans manufactured from galvanised steel sheet and internally lined with 25 mm thickness of fireproof acoustic insulation (M0).

All models incorporate two direct drive backward curved centrifugal fans. Brushless EC motors, IP44, with thermal overload protection, suitable for single phase supply 230V +/- 15%- 50Hz. All fans comply with the efficiency requirements of the ErP Directive. Integral ACODS control unit providing automated run and standby by low current sensing, duty-sharing adjustable from 3 to 24 hours, (in 3 hour steps) and BMS output/remote fault indication. 1 or 2 speeds settable during installation to provide either



- A pre-defined duty either continuous or on-demand (triggered by an external switch), or
- A trickle/boost ventilation system selected by an external switch/sensor.

Electrical supply: Single phase 230V-50Hz.

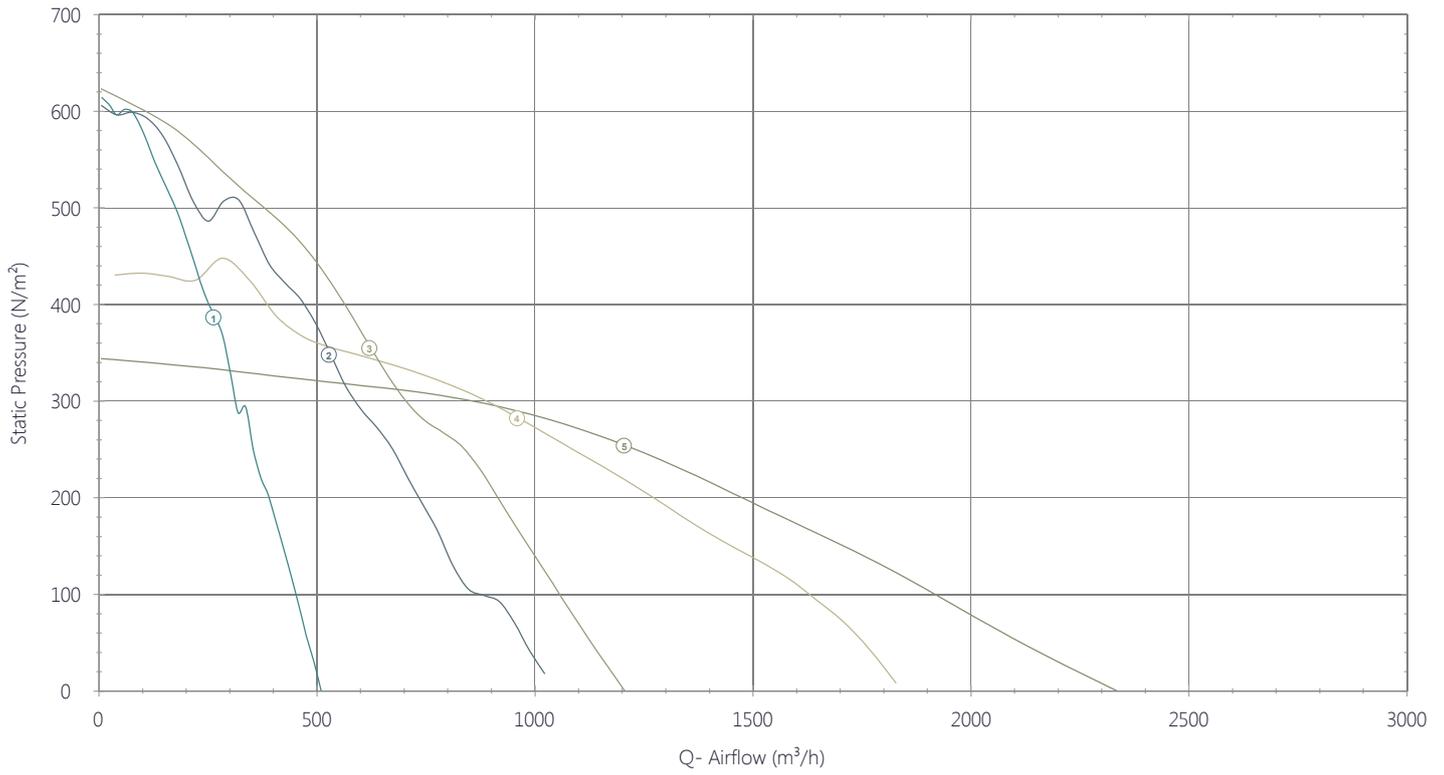
Also possible to control the fan speed with external potentiometer type REB-ECOWATT or analogue input signal 0-10V.

Working temperature from -20°C to +40°C.

Models

REF	Item Description	Phase	Frequency (Hz)	Discharge diameter (mm)	Fan speed (rpm)	Max Input Power (kW)	Max abs cur (A)	Trade List (GBP)	Q max (m ³ /h)
L0111000000591	CAB TWIN-125 ECOWATT N	1	50/60	125	3800	0,13	9	1.389,30	510
L0111000000592	CAB TWIN-150 ECOWATT N	1	50/60	150	3800	0,13	9	1.415,80	523
L0111000000593	CAB TWIN-200 ECOWATT N	1	50/60	200	2900	0,16	1,2	1.488,45	1.023
L0111000000594	CAB TWIN-250 ECOWATT N	1	50/60	250	2650	0,21	-	1.615,27	1.206
L0111000000595	CAB TWIN-315 ECOWATT N	1	50/60	315	2060	0,26	1,2	2.393,49	1.828
L0111000000596	CAB TWIN-355 ECOWATT N	1	50/60	355	1485	0,23	-	2.528,39	2.336
L0111000000597	CAB TWIN-400 ECOWATT N	1	50/60	400	1485	0,23	1	2.824,68	2.397

Performance



- 1** CAB TWIN-125 ECOWATT N, CAB TWIN-150 ECOWATT N
- 3** CAB TWIN-250 ECOWATT N
- 5** CAB TWIN-355 ECOWATT N, CAB TWIN-400 ECOWATT N

- 2** CAB TWIN-200 ECOWATT N
- 4** CAB TWIN-315 ECOWATT N



CAB TWIN ECOWATT N

L011100000591 - CAB TWIN-125 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-125 ECOWATT N.



L011100000591 - CAB TWIN-125 ECOWATT N

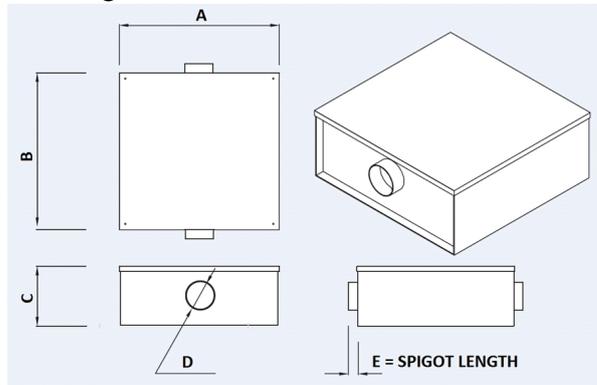
Construction

Discharge diameter	125 mm
Fan size	125
Blades	0
Weight	-

Motor Characteristics

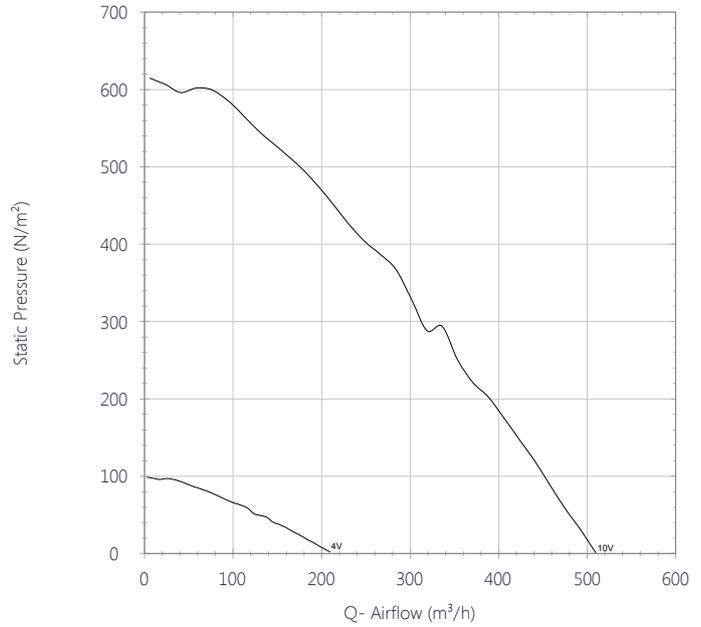
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
650	450	315	125	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	39	47	52	60	61	60	55	57	66
Inlet LpA @ 3m	18	26	31	39	40	39	34	36	46
Outlet (LwA)	40	49	50	51	56	57	55	48	62
Outlet LpA @ 3m	19	28	29	30	35	36	34	27	41
Breakout (LwA)	40	47	46	43	41	44	42	40	53
Breakout LpA @ 3m	19	26	25	22	20	23	21	19	32





CAB TWIN ECOWATT N

L011100000592 - CAB TWIN-150 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-150 ECOWATT N.



L011100000592 - CAB TWIN-150 ECOWATT N

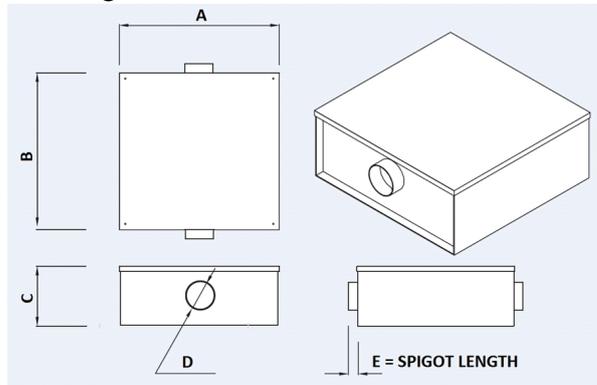
Construction

Discharge diameter	150 mm
Fan size	150
Blades	0
Weight	-

Motor Characteristics

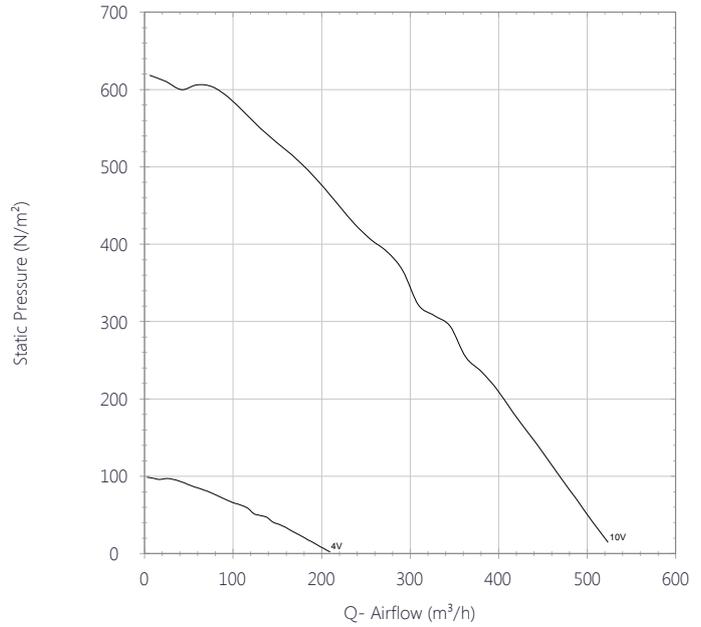
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
650	450	315	150	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	39	52	60	61	59	55	50	43	66
Inlet LpA @ 3m	18	31	39	40	38	34	29	22	45
Outlet (LwA)	34	47	57	59	57	53	48	42	63
Outlet LpA @ 3m	13	26	36	38	36	32	27	21	43
Breakout (LwA)	42	48	50	50	48	44	39	31	56
Breakout LpA @ 3m	21	27	29	29	27	23	18	10	35





CAB TWIN ECOWATT N

L011100000593 - CAB TWIN-200 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-200 ECOWATT N.



L011100000593 - CAB TWIN-200 ECOWATT N

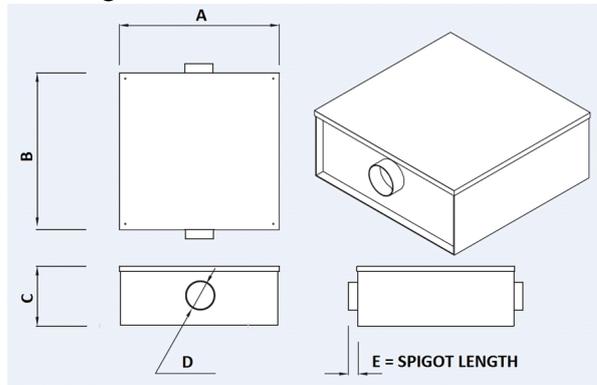
Construction

Discharge diameter	200 mm
Fan size	200
Blades	0
Weight	-

Motor Characteristics

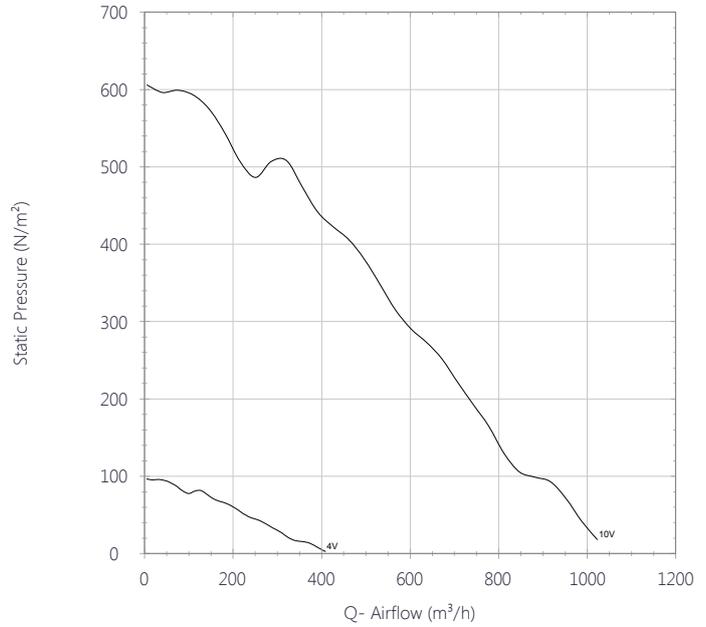
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
810	485	374	200	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	47	50	56	62	64	58	59	58	68
Inlet LpA @ 3m	26	29	35	41	43	37	38	37	48
Outlet (LwA)	51	55	54	55	58	57	53	47	64
Outlet LpA @ 3m	30	34	33	34	37	36	32	26	43
Breakout (LwA)	51	43	46	44	44	43	45	39	55
Breakout LpA @ 3m	30	22	25	23	23	22	24	18	34





CAB TWIN ECOWATT N

L011100000594 - CAB TWIN-250 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-250 ECOWATT N.



L011100000594 - CAB TWIN-250 ECOWATT N

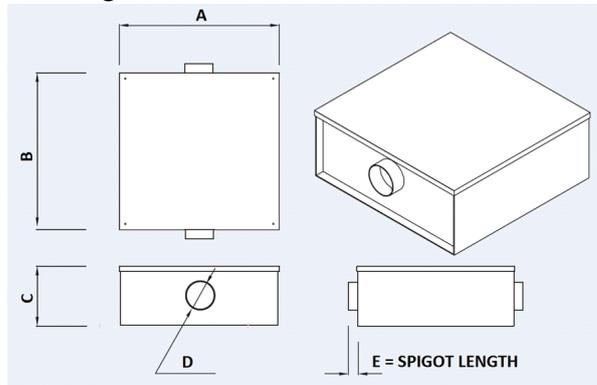
Construction

Discharge diameter	250 mm
Fan size	250
Blades	0
Weight	-

Motor Characteristics

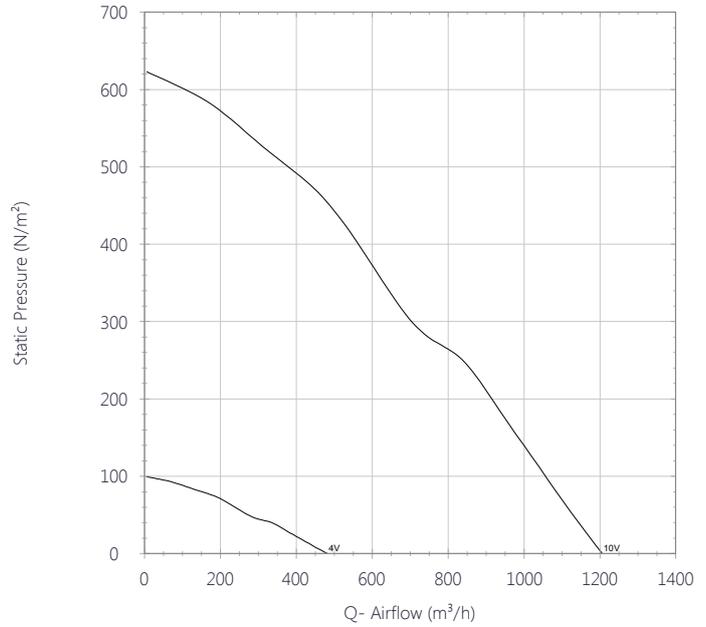
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
810	548	401	250	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	45	47	58	64	63	59	58	57	69
Inlet LpA @ 3m	24	26	37	43	42	38	37	36	48
Outlet (LwA)	54	57	54	57	60	60	58	53	66
Outlet LpA @ 3m	33	36	33	36	39	39	37	32	46
Breakout (LwA)	44	30	27	43	40	40	41	33	49
Breakout LpA @ 3m	23	9	6	22	19	19	20	12	29





CAB TWIN ECOWATT N

L011100000595 - CAB TWIN-315 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-315 ECOWATT N.



L011100000595 - CAB TWIN-315 ECOWATT N

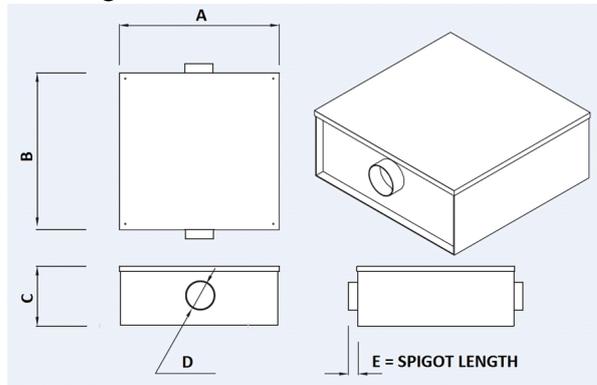
Construction

Discharge diameter	315 mm
Fan size	315
Blades	0
Weight	-

Motor Characteristics

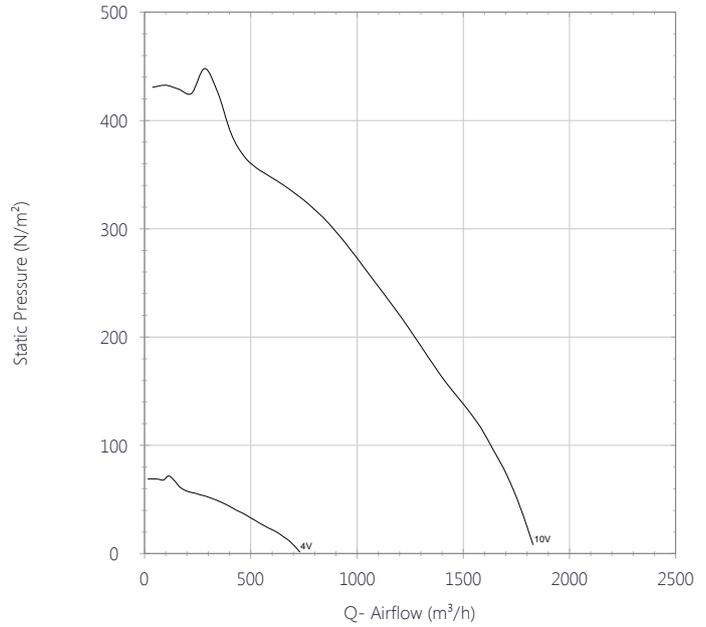
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
1048	685	454	315	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	41	54	67	67	66	63	59	57	72
Inlet LpA @ 3m	20	33	46	46	45	42	38	36	52
Outlet (LwA)	47	57	66	59	64	60	53	46	70
Outlet LpA @ 3m	26	36	45	38	43	39	32	25	49
Breakout (LwA)	42	48	65	54	57	54	49	46	66
Breakout LpA @ 3m	21	27	44	33	36	33	28	25	46





CAB TWIN ECOWATT N

L011100000596 - CAB TWIN-355 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-355 ECOWATT N.



L011100000596 - CAB TWIN-355 ECOWATT N

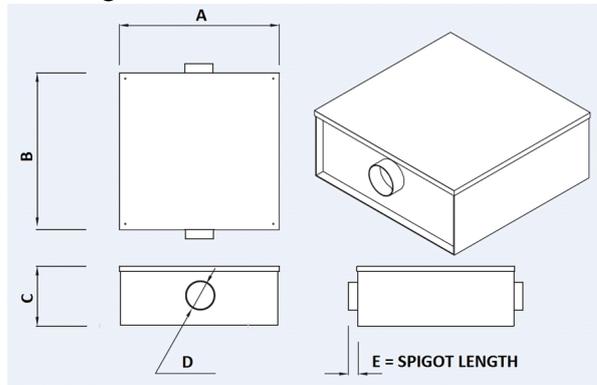
Construction

Discharge diameter	355 mm
Fan size	355
Blades	0
Weight	-

Motor Characteristics

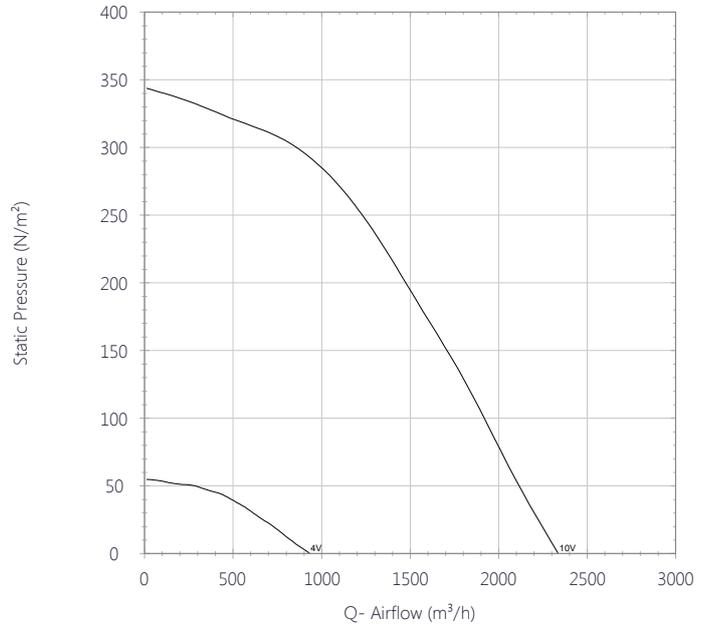
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
1130	730	494	355	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	46	58	67	67	67	66	64	63	74
Inlet LpA @ 3m	25	37	46	46	46	45	43	42	53
Outlet (LwA)	52	59	63	62	66	62	55	49	70
Outlet LpA @ 3m	31	38	42	41	45	41	34	28	50
Breakout (LwA)	41	49	62	53	55	53	48	49	64
Breakout LpA @ 3m	20	28	41	32	34	32	27	28	44





CAB TWIN ECOWATT N

L011100000597 - CAB TWIN-400 ECOWATT N - ACOUSTIC CABINET FANS

Brand S&P model CAB TWIN-400 ECOWATT N.



L011100000597 - CAB TWIN-400 ECOWATT N

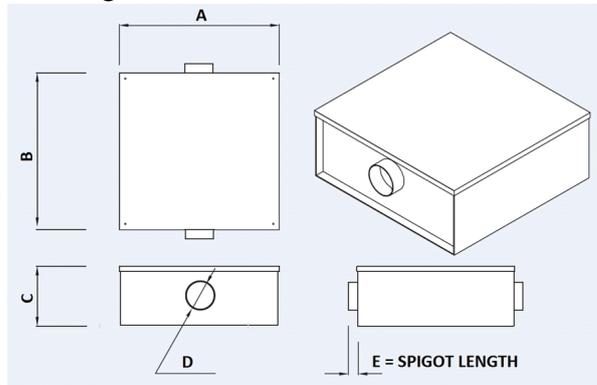
Construction

Discharge diameter	400 mm
Fan size	400
Blades	0
Weight	-

Motor Characteristics

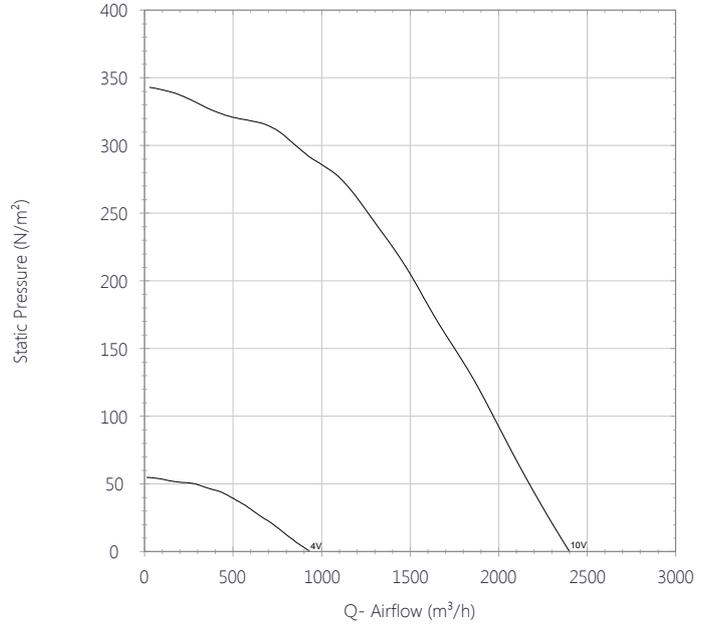
Number of poles	-
Motor Power	-
Maximum absorbed current	-
Voltage	1-230V-50Hz
IP Rating	IP44
Motor insulation class	B

Drawing



A	B	C	D	E
1130	730	494	400	55

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	46	58	67	67	67	66	64	63	74
Inlet LpA @ 3m	25	37	46	46	46	45	43	42	53
Outlet (LwA)	52	59	63	62	66	62	55	49	70
Outlet LpA @ 3m	31	38	42	41	45	41	34	28	50
Breakout (LwA)	41	49	62	53	55	53	48	49	64
Breakout LpA @ 3m	20	28	41	32	34	32	27	28	44

