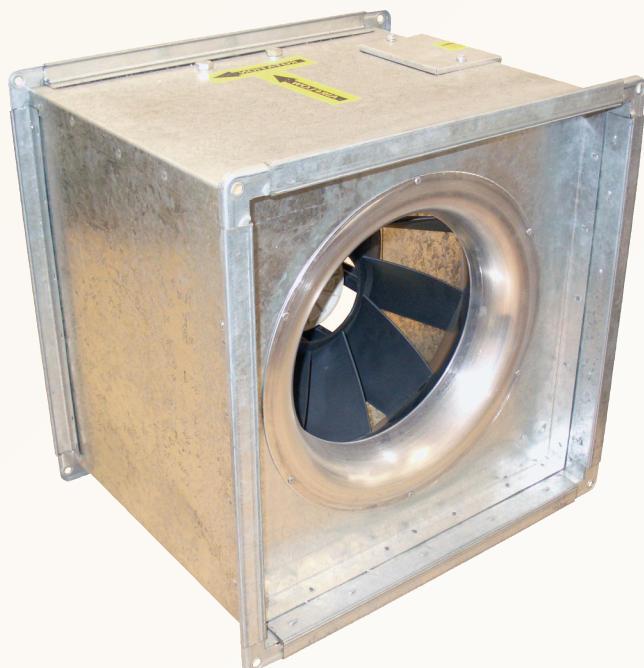




"SMX"- square cased mixed flow fan



- *Quality range mixed flow fan for commercial/industrial use*
- *4 sizes - casings from 350mm to 560mm square*
- *Airflow to 4.17m³/sec*
- *Pressure to 600Pa*
- *Single Phase - largest size 500mm*
- *Three Phase - 560mm*
- *4 Pole Motors*
- *Speed Controllable*
- *Full range of accessories*

GENERAL

- For internal installation in industrial and commercial installations.
- High performance rates combined with low noise level
- Airflow to 4.17 m³/sec.
- Speed controllable using auto-transformer
- External rotor motors for reliability, quality and performance
- Flanged connection for quick and simple installation
- Unique, integral terminal box allows for electrical connections on two sides of casing to ensure flexibility during installation
- **ROOF MOUNTED MODELS ALSO AVAILABLE**

SPECIFICATION

- Robust construction with casing in 1mm thick galvanised sheet steel
- Motor is external rotor type, single or 3 phase, fitted with thermal overload protection to prevent overheating
- Integral motor/impeller assembly with impeller in polyamide for sizes 350, 450, 500 and aluminium for size 560
- Suitable for operation in air temperatures between -10°C and +60°C. (Model SMX564T suitable for between -10°C and +40°C)
- Motor/fan assembly is IP54 rated

COMPLY WITH

- Manufactured to ISO9001 in the UK
- EC Low Voltage Directive 73/23-93/68
- EC Directive EMC89/336
- CE Marked

TYPICAL SPECIFICATION

Supply and install an SMX454M , 4 pole, single phase square cased, mixed flow fan as supplied by Vectaire Ltd, Lincoln Road, Cressex Business Park, High Wycombe, Bucks, HP12 3RH.

This fan is to be suitable for installation in commercial or industrial premises. It is to be speed controllable using an auto-transformer.

The casing should be in 1mm thick galvanised sheet steel, the motor to be of the external rotor type, single phase, fitted with thermal overload protection. The unit should be suitable for operation in air temperatures between -10°C and +60°C and have a motor/fan assembly with IP54 protection. Fan should be manufactured in UK to ISO9001.

RANGE

SMX354M - 4 pole single phase

SMX454M - 4 pole single phase

SMX504M - 4 pole, single phase

SMX564T - 4 pole, three phase



Tel: +44(0)1494 522333
Fax: +44(0)1494 522337

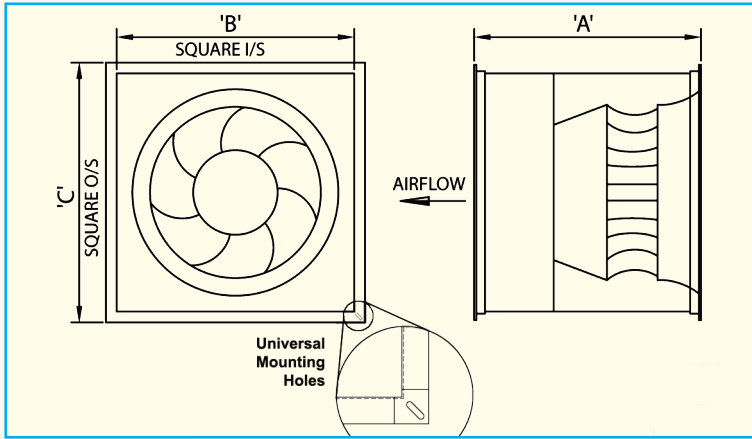
Vectaire Ltd
Lincoln Road, Cressex Business Park
High Wycombe, Buckinghamshire, HP12 3RH

Email: sales@vectaire.co.uk
Web: www.vectaire.co.uk

TECHNICAL CHARACTERISTICS

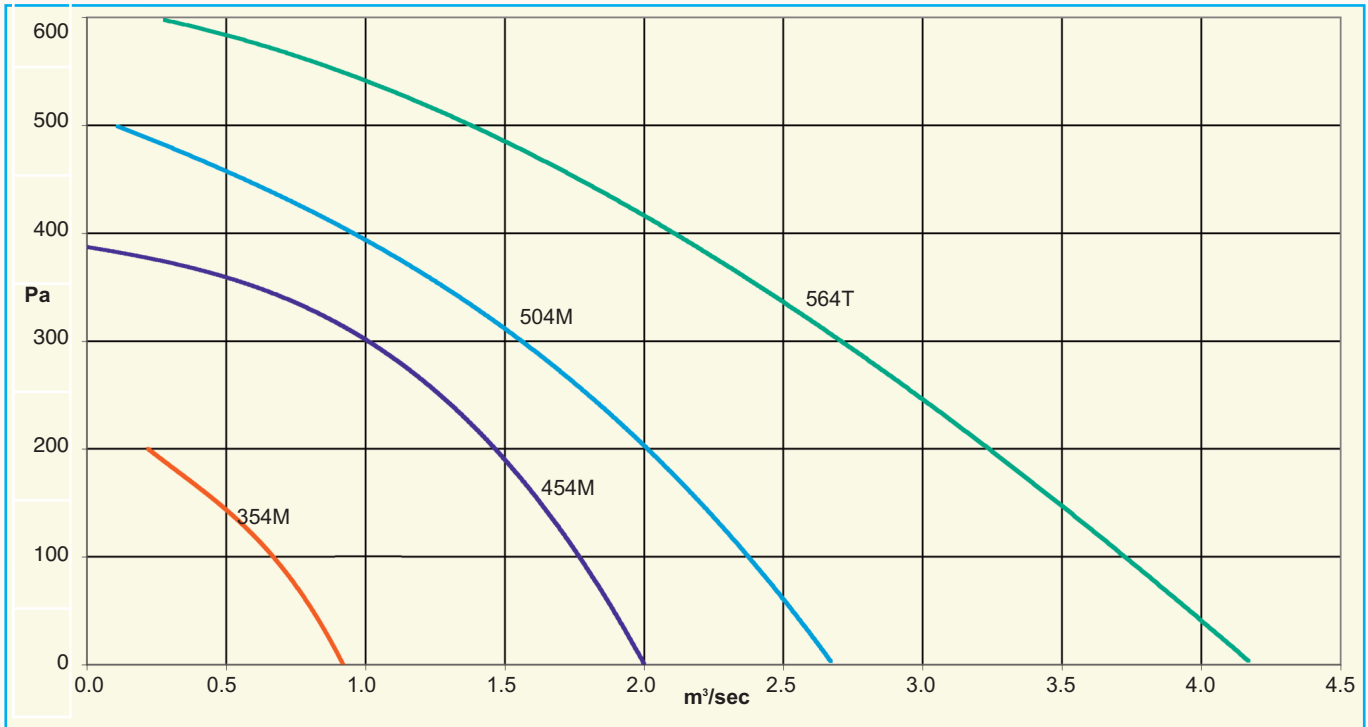


DIMENSIONS



Model	A mm	B mm	C mm	Weight kg
SMX354M	400	450	500	18
SMX454M	505	550	620	35
SMX504M	535	661	731	45
SMX564T	570	700	770	54

PERFORMANCE



TECHNICAL DATA

Model	Supply	Pole	Power (W)	FLC (A)	SC (A)	dbA @ 3m	RPM	Max Airflow		Duty - m³/sec at Pa														
								m³/hr	cfm	0	50	100	150	200	250	300	350	400	450	500	550	600		
SMX354M	230v,1p	4	310	1.35	3.7	53	1390	3312	1954	0.92	0.81	0.67	0.47	0.22	-	-	-	-	-	-	-	-	-	-
SMX454M	230v,1ph	4	910	4.4	9.2	61	1260	7200	4248	2.00	1.88	1.79	1.61	1.48	1.25	1.02	0.61	-	-	-	-	-	-	
SMX504M	230v,1p	4	1450	6.1	15.0	62	1310	9612	5671	2.67	2.56	2.35	2.20	2.00	1.81	1.59	1.28	0.94	0.56	0.11	-	-	-	
SMX564T	415v,3ph	4	2400	4.3	20.0	69	1350	15012	8857	4.17	3.96	3.75	3.51	3.23	2.95	2.67	2.43	2.12	1.80	1.41	0.83	0.28	-	

SOUND DATA

Model	Centre Frequency (Hz)							
	63	125	250	500	1,000	2,000	4,000	8,000
SMX354M	77	76	74	68	64	62	56	50
SMX454M	85	84	82	76	72	70	64	58
SMX504M	86	85	83	77	73	71	65	59
SMX564T	93	92	90	84	80	78	72	66