



FEATURES

The FA Series of belt-driven centrifugal roof units are suitable for a wide range of applications.

Construction

The cowls are of fibreglass and designed for vertical discharge. Steel components have a corrosion-resistant finish. Bird mesh guards are fitted as standard. Backward-inclined centrifugal impellers.

Motors

Type - squirrel cage induction motor.
Electrical supply - three-phase, to suit a wide range of voltages and frequencies.
Bearings - sealed-for-life, ball.
Speed - controllable using frequency inverters.
Motors are selected to suit the application and can be provided with 2-speed windings. In addition, motors to meet Ex d, Ex e, Ex n and DIP standards can be fitted.
See pages N-3/4 for details on these motors.
These fans are not suitable for smoke-spill applications.

Internal Thermal Protection

Thermistors can be provided on motors, except where regulations specifically exclude their use.

Testing

Air flow tests based on BS848, 1963 tests.
Noise tests based on BS848, 1966 tests.

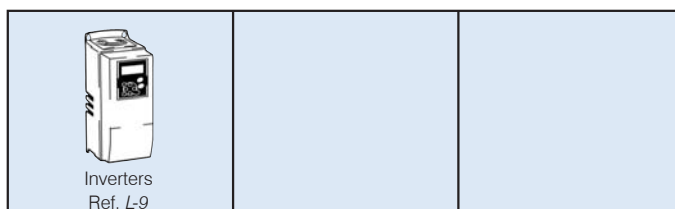
Special Features

These units are belt-driven thereby providing a wide range of selections from each unit.
Can be mounted on sloping roofs.
These fans can also be provided with a dual motor arrangement to permit 100% standby. This feature does not affect the dimensions of the units.

Wiring Diagram

See pages M-6/7 pages DD 1, 2, 3, 7. .

ANCILLARY EQUIPMENT



SUGGESTED SPECIFICATION

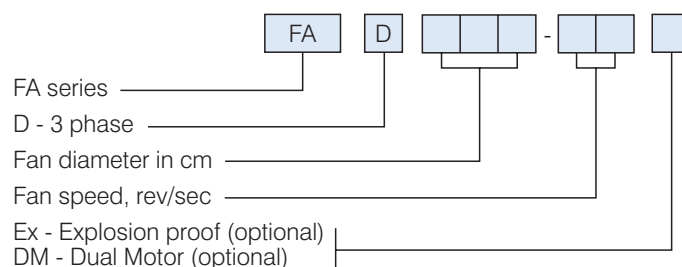
The FA Series of belt-driven centrifugal roof ventilators shall be as designed and manufactured by Fantech Pty. Ltd.

Impellers shall be constructed from aluminium, shall be of a backward-inclined centrifugal design and driven by conventional motors.

The cowl shall be fibreglass.

All data shall be based on fully tested products.

HOW TO ORDER



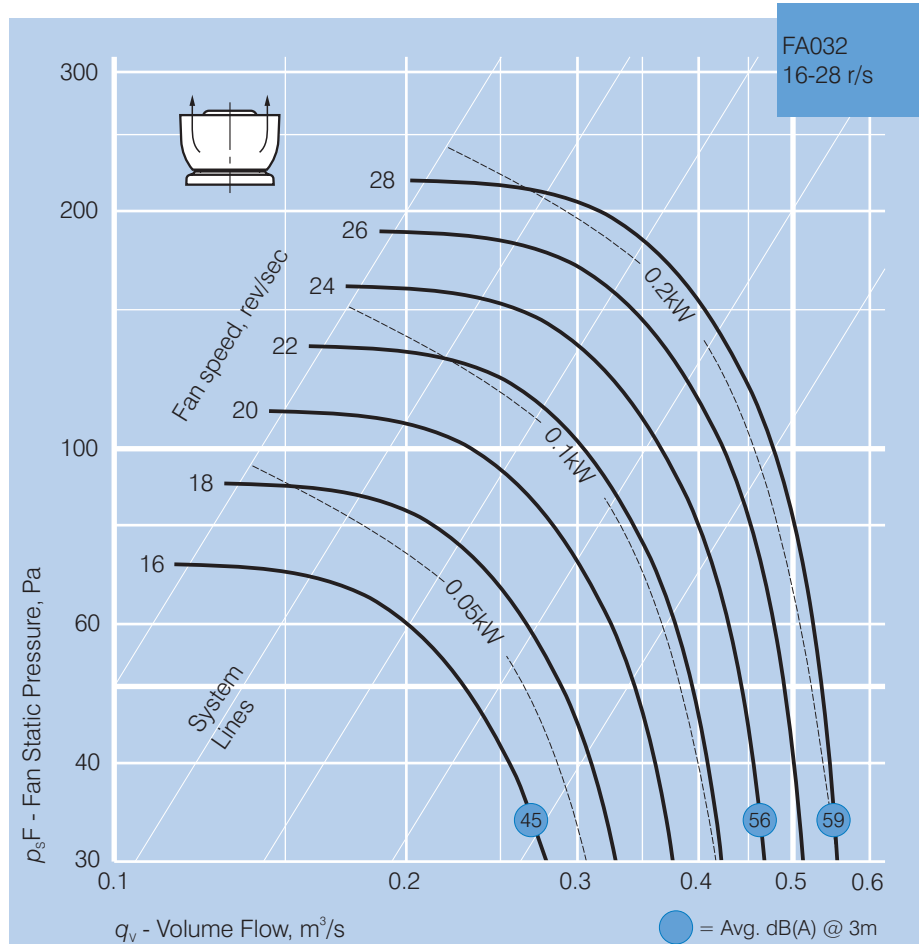
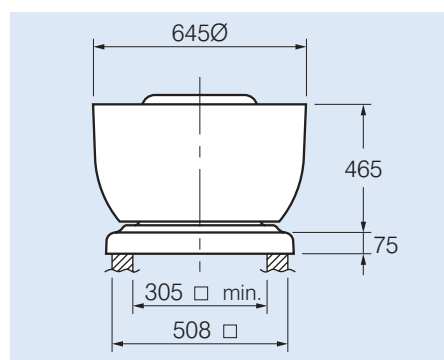
As these units are belt-driven, virtually any speed within the ranges listed can be obtained

TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
032-16	16	0.37	1.0
032-24	24	0.37	1.0
032-28	28	0.37	1.0

Refer to page D-25 for comprehensive technical data.

DIMENSIONS

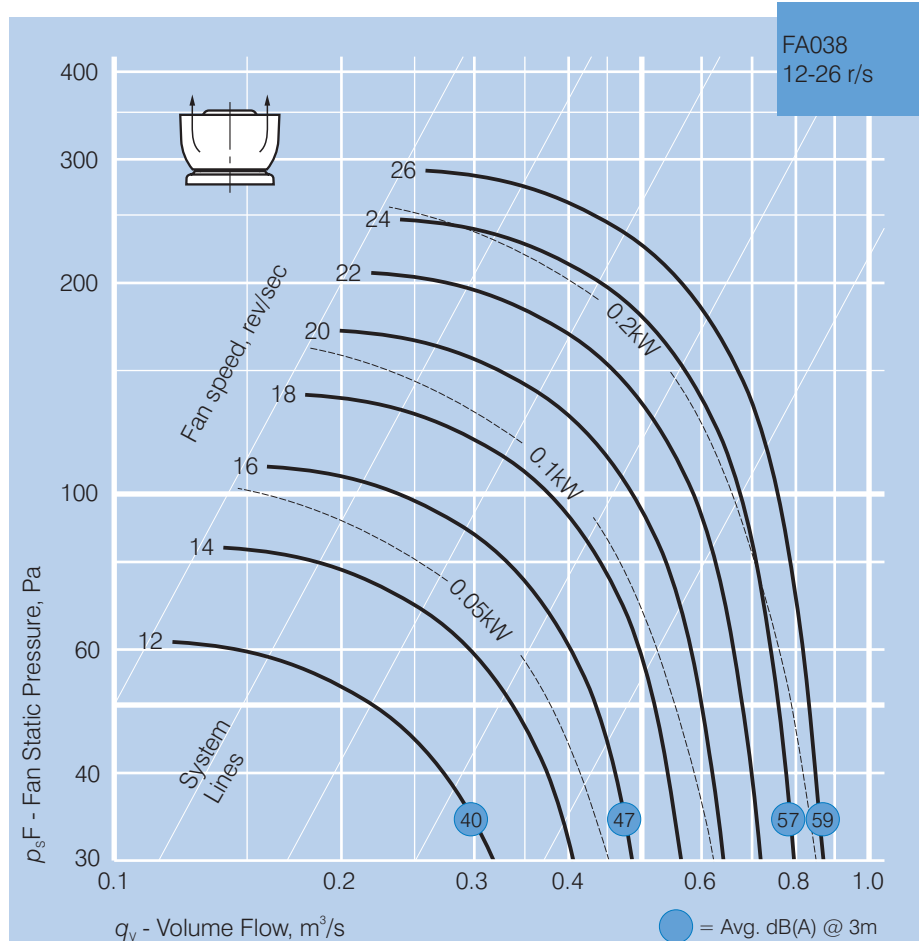
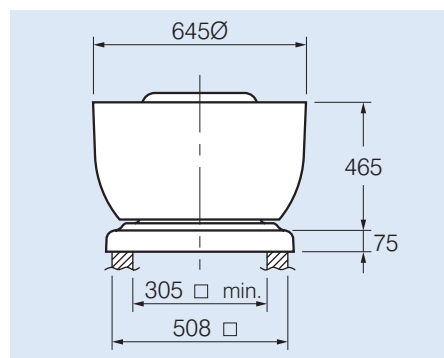


TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
038-12	12	0.37	1.0
038-16	16	0.37	1.0
038-24	24	0.37	1.0
038-26	26	0.37	1.0

Refer to page D-25 for comprehensive technical data.

DIMENSIONS

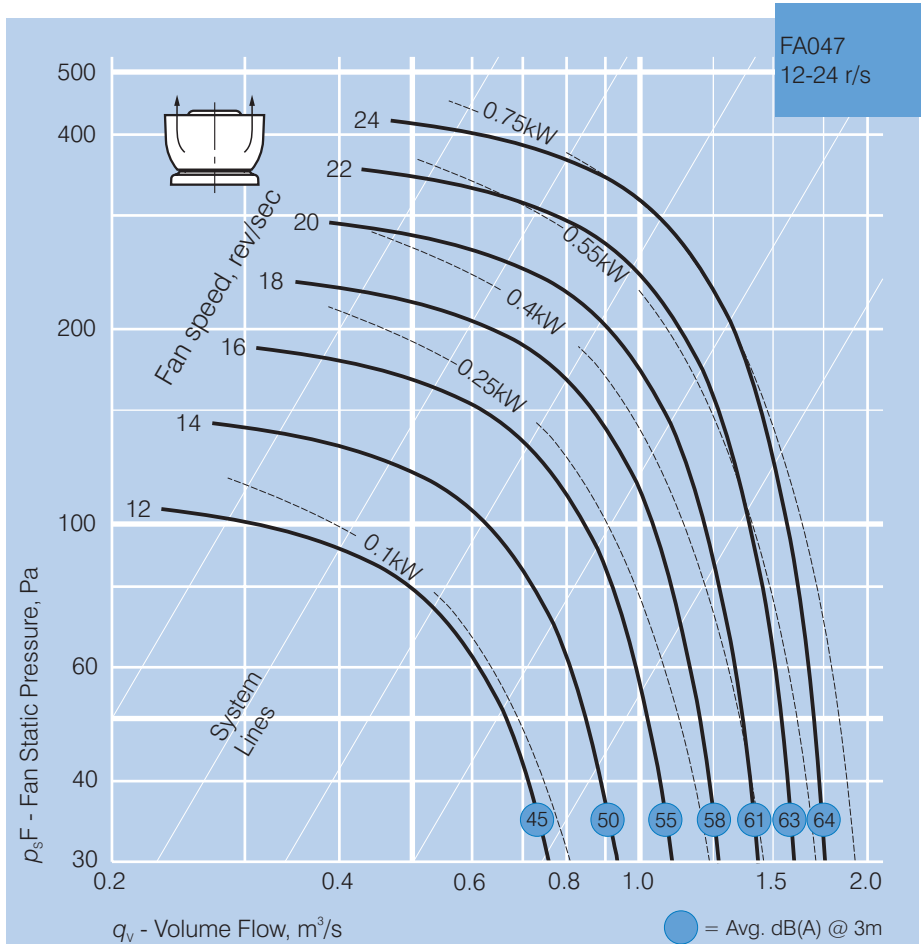
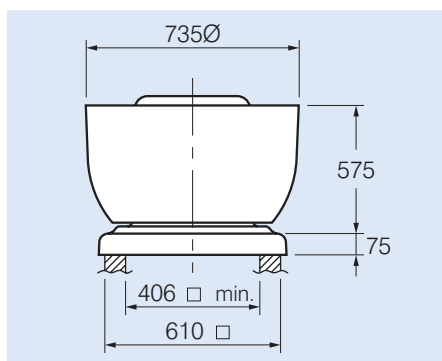


TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
047-12	12	0.37	1.0
047-14	14	0.37	1.0
047-16	16	0.37	1.0
047-18	18	0.37	1.0
047-20	20	0.55	1.4
047-22	22	0.75	2.0
047-24	24	1.1	2.6

Refer to page D-25 for comprehensive technical data.

DIMENSIONS

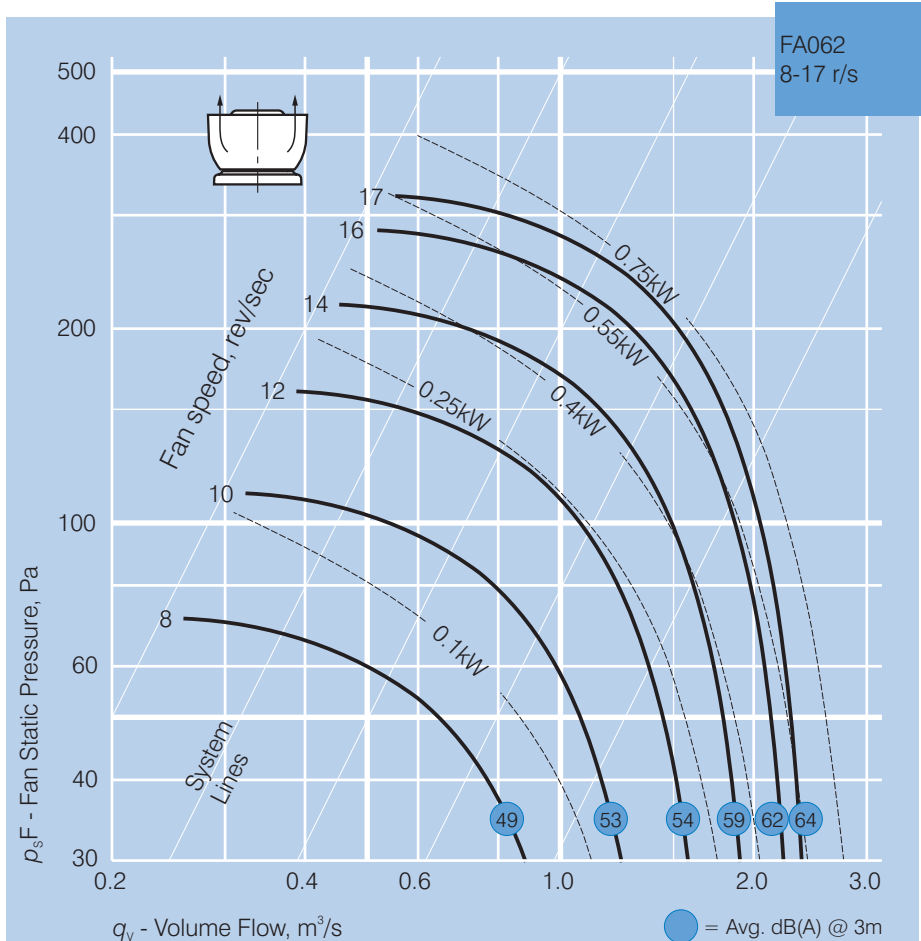
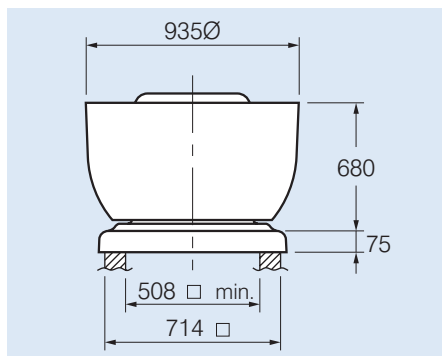


TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
062-8	8	0.37	1.0
062-10	10	0.37	1.0
062-12	12	0.55	1.4
062-14	14	0.75	2.0
062-16	16	0.75	2.0
062-17	17	1.1	2.6

Refer to page D-25 for comprehensive technical data.

DIMENSIONS

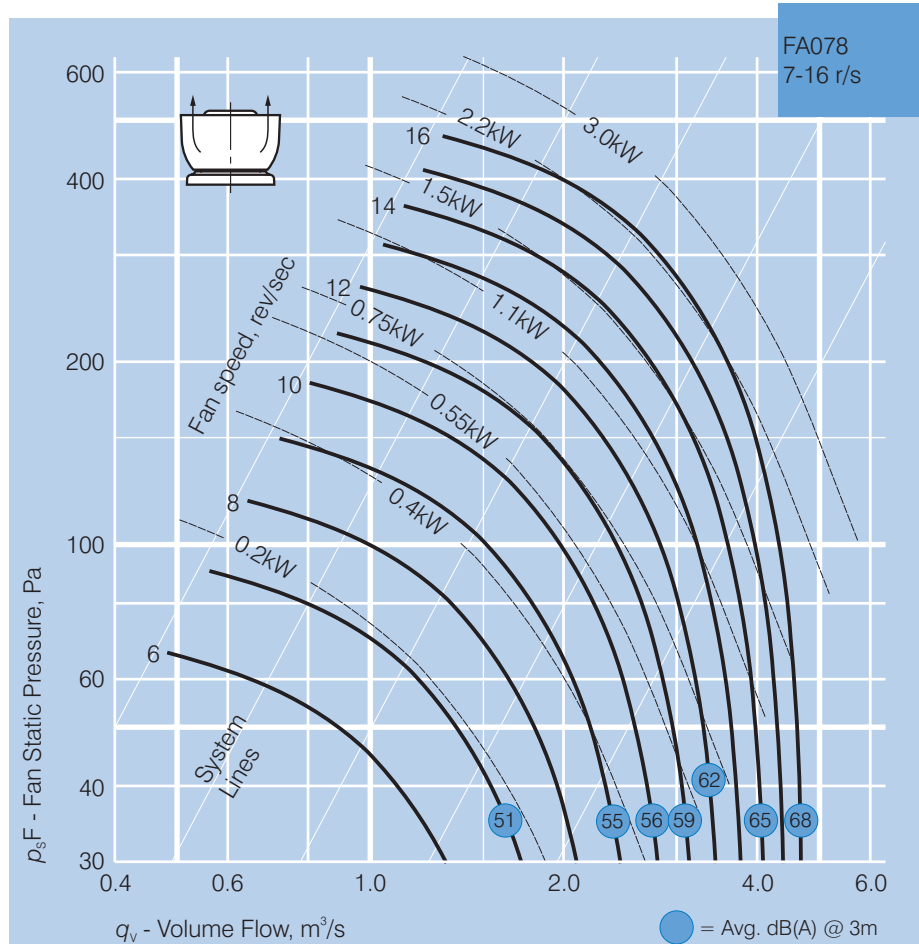
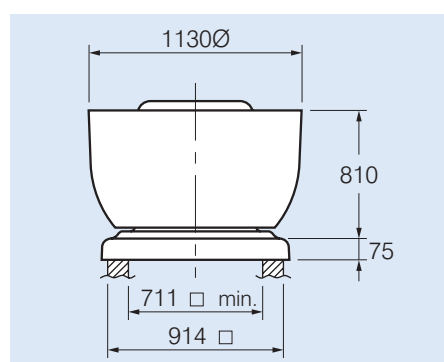


TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
078-7	7	0.37	1.0
078-9	9	0.55	1.4
078-10	10	0.75	2.0
078-11	11	1.1	2.6
078-12	12	1.5	3.4
078-14	14	2.2	4.7
078-16	16	3.0	6.2

Refer to page D-25 for comprehensive technical data.

DIMENSIONS

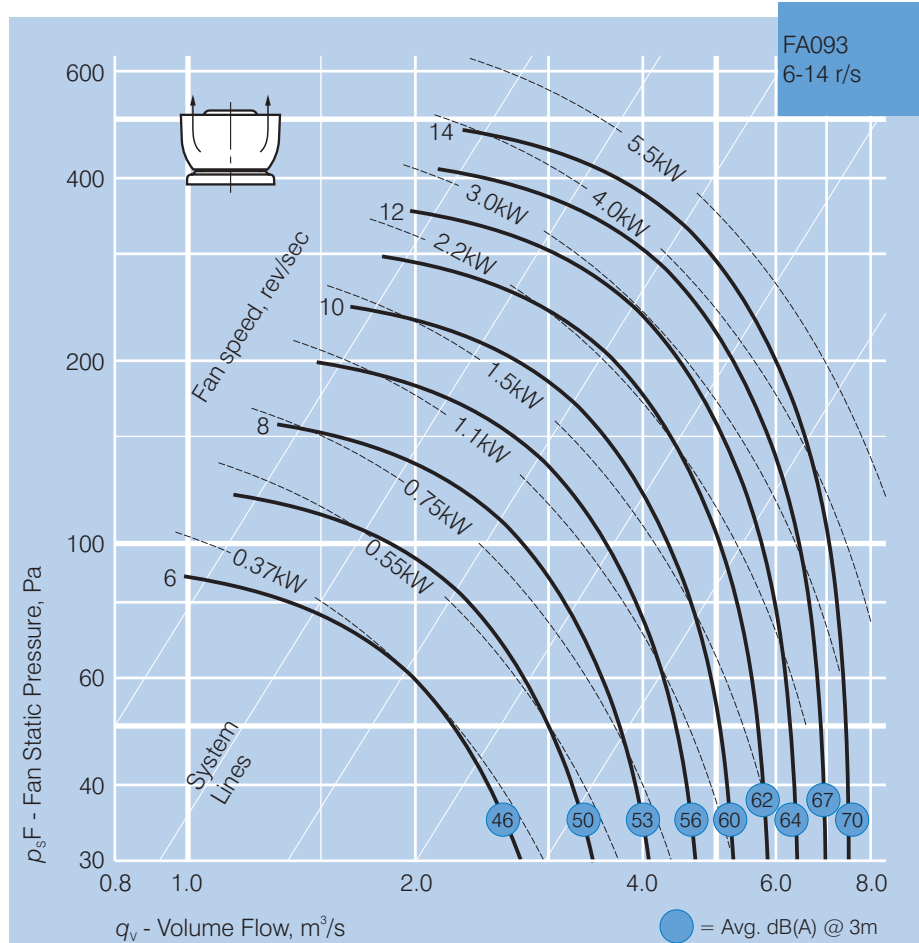
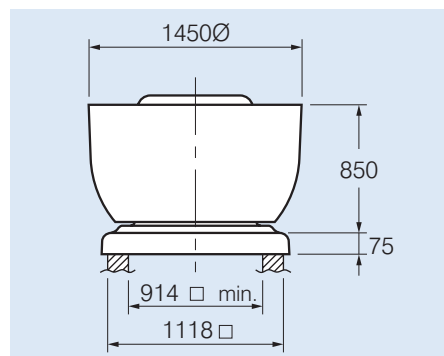


TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
093-6	6	0.55	1.4
093-7	7	0.55	1.4
093-8	8	1.1	2.6
093-9	9	1.5	3.4
093-10	10	2.2	4.7
093-12	12	3.0	6.2
093-13	13	4.0	8.2
093-14	14	5.5	10.6

Refer to page D-25 for comprehensive technical data.

DIMENSIONS

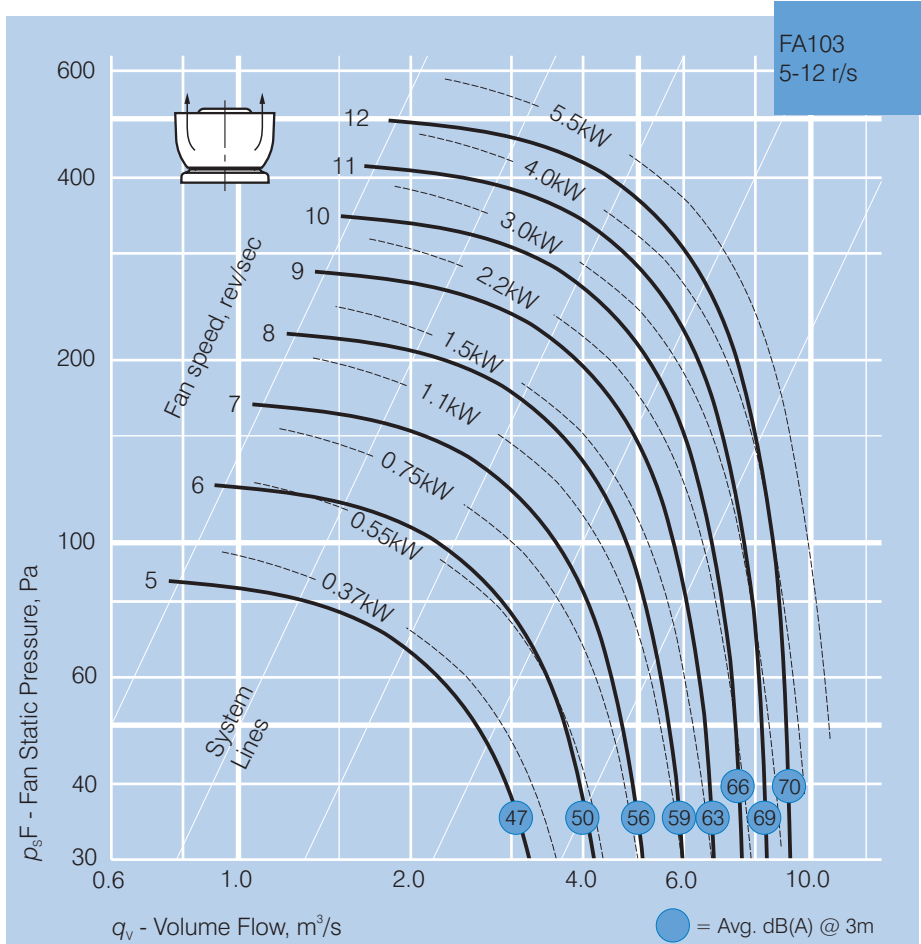
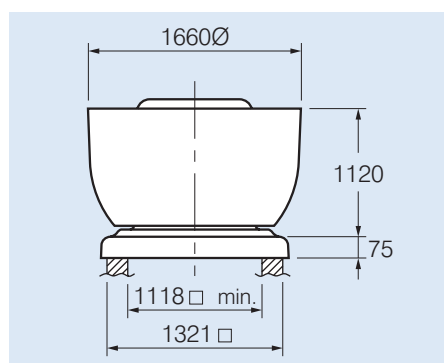


TECHNICAL DATA

Model Number FA....	Fan Speed rev/sec	FAD...3 ph. kW	Amps
103-5	5	1.1	2.6
103-6	6	1.1	2.6
103-7	7	1.1	2.6
103-8	8	1.5	3.4
103-9	9	2.2	4.7
103-10	10	3.0	6.2
103-11	11	4.0	8.2
103-12	12	5.5	10.6

Refer to page D-25 for comprehensive technical data.

DIMENSIONS



TECHNICAL DATA

Model Number FA...	Fan Speed rev/sec	Avg. dB(A) @ 3m	Peak kW	Approx.* weight kg	Approx. Ship Vol. m³	In-duct Sound Power Levels L _w dB re 1pW					
						125	250	500	1k	2k	4k
032-16	16	45	0.04	25	0.30	70	66	64	60	57	53
032-24	24	56	0.15	25		82	77	74	71	67	66
032-28	28	59	0.22	25		85	79	77	74	70	69
038-12	12	40	0.03	30	0.30	65	61	58	54	50	48
038-16	16	47	0.07	30		72	68	65	61	57	55
038-24	24	57	0.21	30		83	79	75	71	68	66
038-26	26	59	0.24	30	0.47	85	81	77	73	70	68
047-12	12	45	0.10	40		72	69	63	58	56	48
047-14	14	50	0.15	40		77	74	69	63	61	54
047-16	16	55	0.24	40	0.47	81	78	74	67	65	58
047-18	18	58	0.33	40		84	81	77	70	68	62
047-20	20	61	0.48	42		87	84	80	73	71	65
047-22	22	63	0.58	42	0.82	89	86	82	75	73	67
047-24	24	64	0.75	45		90	87	83	76	74	68
062-8	8	49	0.08	55		79	72	67	63	57	49
062-10	10	53	0.17	55	0.82	83	75	72	65	60	51
062-12	12	54	0.25	55		85	77	72	67	63	54
062-14	14	59	0.42	57		90	81	76	71	67	59
062-16	16	62	0.58	57	1.4	93	85	80	75	71	63
062-17	17	64	0.73	60		95	87	82	77	73	65
078-7	7	51	0.19	85		80	74	68	65	57	53
078-9	9	55	0.43	88	1.4	83	80	71	70	61	57
078-10	10	56	0.52	89		84	80	72	71	63	57
078-11	11	59	0.75	92		86	82	77	73	67	59
078-12	12	62	0.90	95	2.4	90	86	79	76	71	63
078-14	14	65	1.50	108		92	90	83	78	74	66
078-16	16	68	2.20	110		95	93	86	81	77	69
093-6	6	46	0.37	150	2.4	76	70	62	60	52	47
093-7	7	50	0.57	150		80	75	66	64	57	50
093-8	8	53	0.90	155		83	78	69	67	60	53
093-9	9	56	1.25	160	4.1	86	81	73	69	64	56
093-10	10	60	1.70	170		89	85	77	72	69	60
093-11	11	62	2.30	170		91	87	79	74	71	62
093-12	12	64	2.90	170	4.1	93	89	81	75	73	64
093-13	13	67	3.90	185		96	92	84	78	76	67
093-14	14	70	4.70	205		99	95	87	81	79	70
103-5	5	47	0.34	200	4.1	76	71	62	61	54	51
103-6	6	50	0.56	200		79	74	67	64	58	54
103-7	7	56	0.90	200		85	81	74	70	64	59
103-8	8	59	1.30	205	4.1	87	84	77	72	66	61
103-9	9	63	1.90	220		90	88	81	76	69	64
103-10	10	66	2.80	230		93	91	84	79	72	67
103-11	11	69	3.60	245	4.1	96	93	87	81	77	70
103-12	12	70	4.60	245		97	94	88	82	78	71

Electrical data for single-phase motors depend upon the type of motor and is available only at time of order.

Sound Power Levels shown are for the Inlet Side of the unit.

* Unit weights depend on the make of motor used. If critical, this should be referred to our sales department at time of order.

As these units are belt-driven, virtually any speed within the ranges listed can be obtained.