



QMF-HT High Temperature Fan

For Industrial Kitchens
Continuous running in temperatures up to 180°C
0.25 m³/sec to 3.36 m³/sec

Features and benefits

High Temperature Box Fans QMF-HT

- Motor out of airstream
- Single or Three Phase, IP55, Class F
- Backward curved centrifugal impeller
- Continuous operation temperature up to 180°C



High temperature box fans

Motor out of airstream for improved longevity.

Bifurcated casework keeps motor out of extract airflow avoiding over heating and direct contact with dirt and grease from cooker therefore less maintenance and cleaning.

9 sizes with airflow from 0.25 m³/sec to 3.36 m³/sec

Static pressure to 700 Pa

For ducted or direct installation

Backward curved impellers

Particularly suited for installation into commercial and industrial kitchens for extracting clean or dusty air.

Construction

Aluminium frame with double skin sound absorbing insulated panels removable from the impeller side.

External motor, B5 execution directly coupled to impeller

Acoustic lining to reduce noise breakout

Sound absorbing and self-extinguishing acoustic insulation between the steel sheet layers of the panels

Motor

Asynchronous squirrel cage three or single-phase motors

Comply with:

- IEC 60034
- IEC 60072
- EMC 2004/108/CE
- LVD 2006/95/CE
- CE marked.

IP55, Class F. Suitable to S1 service (continuous running with constant load).

Installation

Easy installation QMF-HT can be fitted horizontally or vertically.

Punched mounting feet for easy handling and fixing.

Suitable for outdoor installation using a water-proof protection cover (available on request).

Accessories

Water-proof protection cover

Rainproof discharge outlet with guard

Anti-vibration supports

Floor support feet

Square to round outlet cone

Round spigot inlet cone

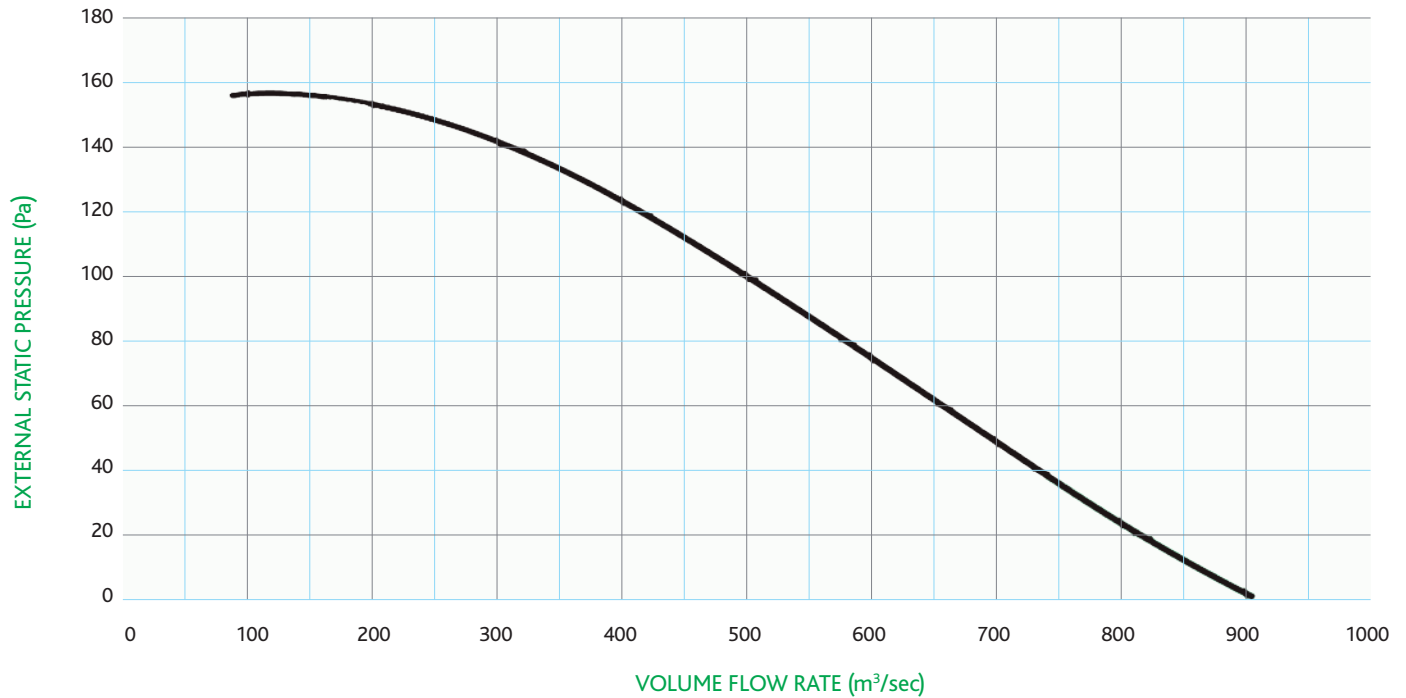
High temperature flexible connectors

Service switch IP67 Speed controllers

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF254HTM and QMF254HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF254HTM	M	4	0.09	1.00	55/F	56
	QMF254HTT	T	4	0.09	0.60	55/F	56

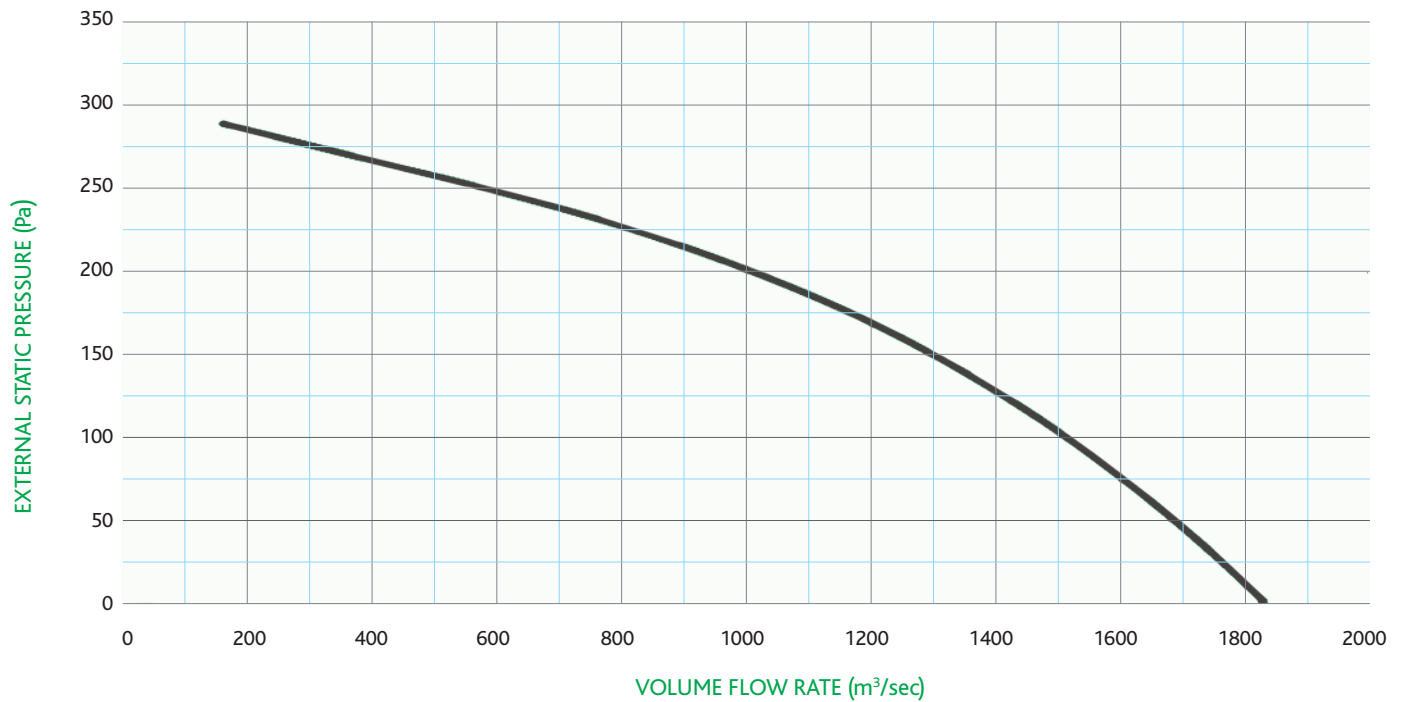
QMF254HTM QMF254HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	37	52	49	50	45	48	43	29	57
	Lp	16	31	29	30	29	27	23	9	40

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF314HTM and QMF314HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF314HTM	M	4	0.12	1.30	55/F	63
	QMF314HTT	T	4	0.12	0.70	55/F	63

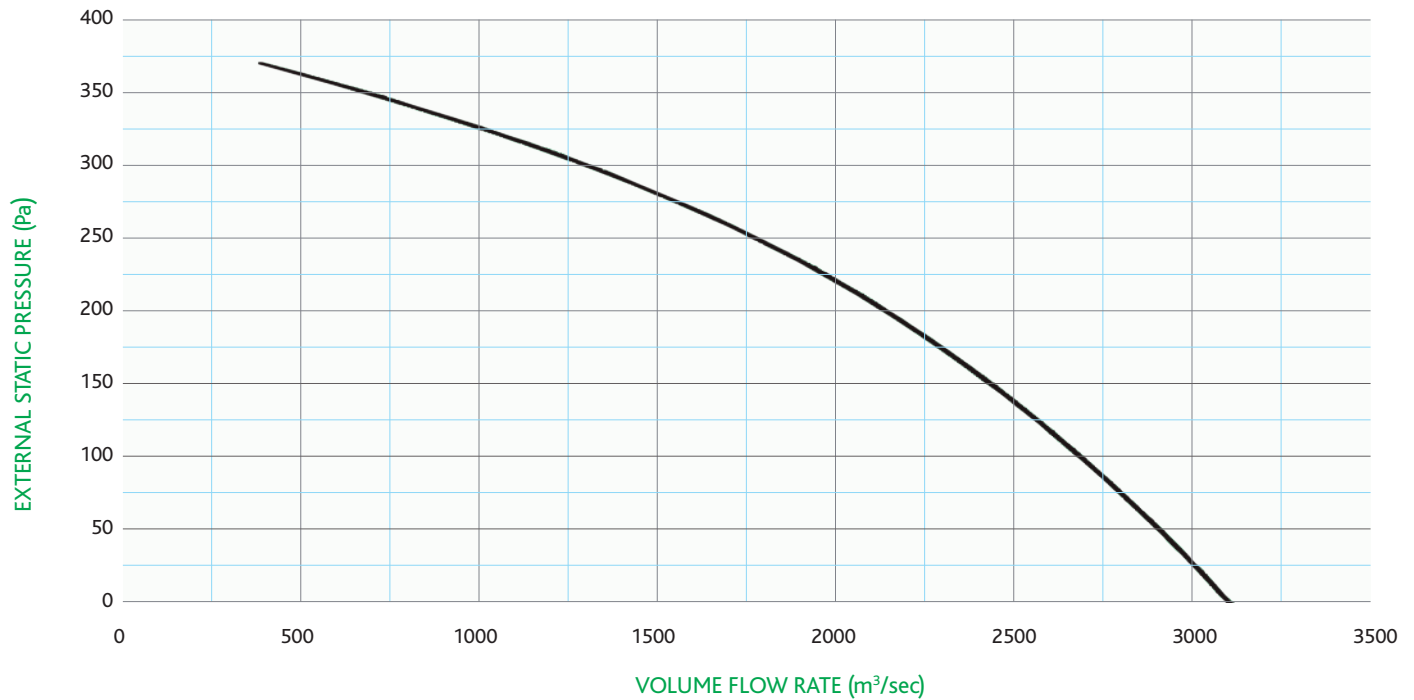
QMF314HTM QMF314HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	37	47	56	62	62	57	52	41	66
	Lp	16	28	37	41	42	37	31	21	46

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF354HTM and QMF354HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF354HTM	M	4	0.25	2.20	55/F	71
	QMF354HTT	T	4	0.25	0.80	55/F	71

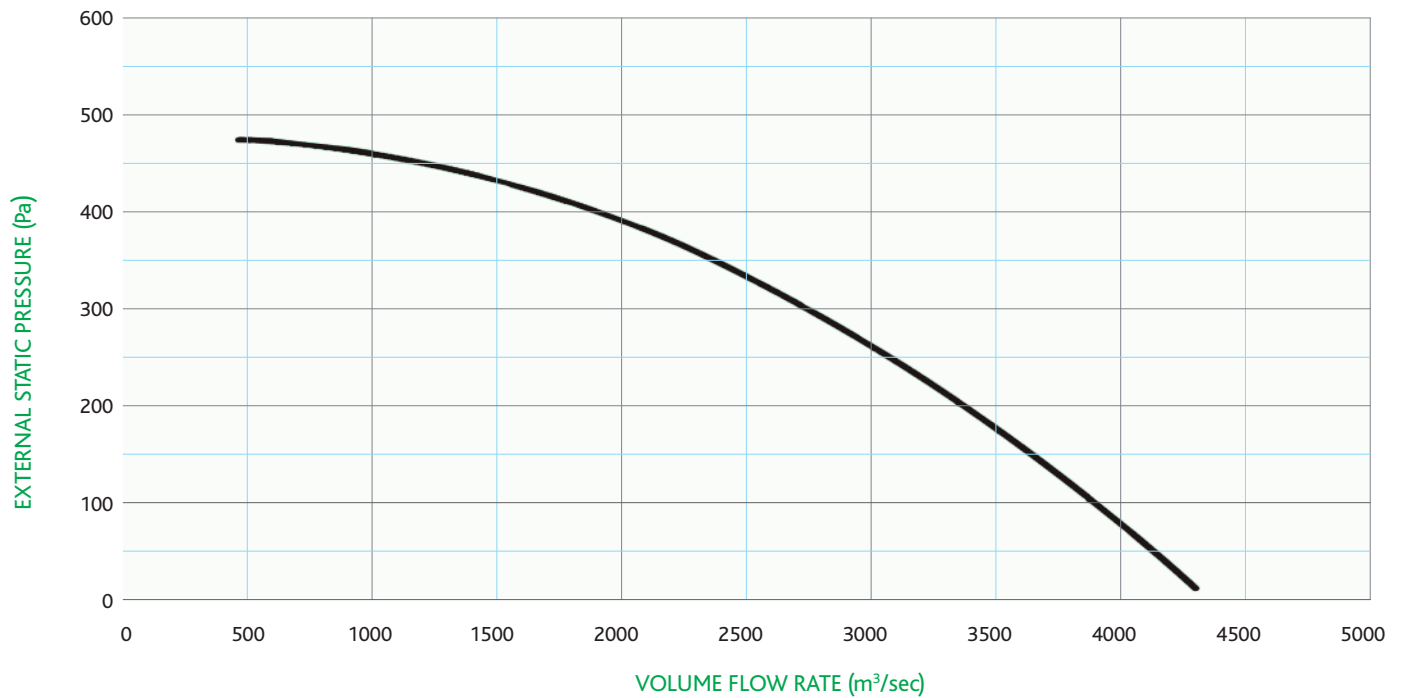
QMF354HTM QMF354HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	40	54	60	65	65	62	57	46	70
	Lp	20	33	40	44	44	41	36	25	49

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF404HTM and QMF404HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF404HTM	M	4	0.55	4.30	55/F	80
	QMF404HTT	T	4	0.55	1.60	55/F	80

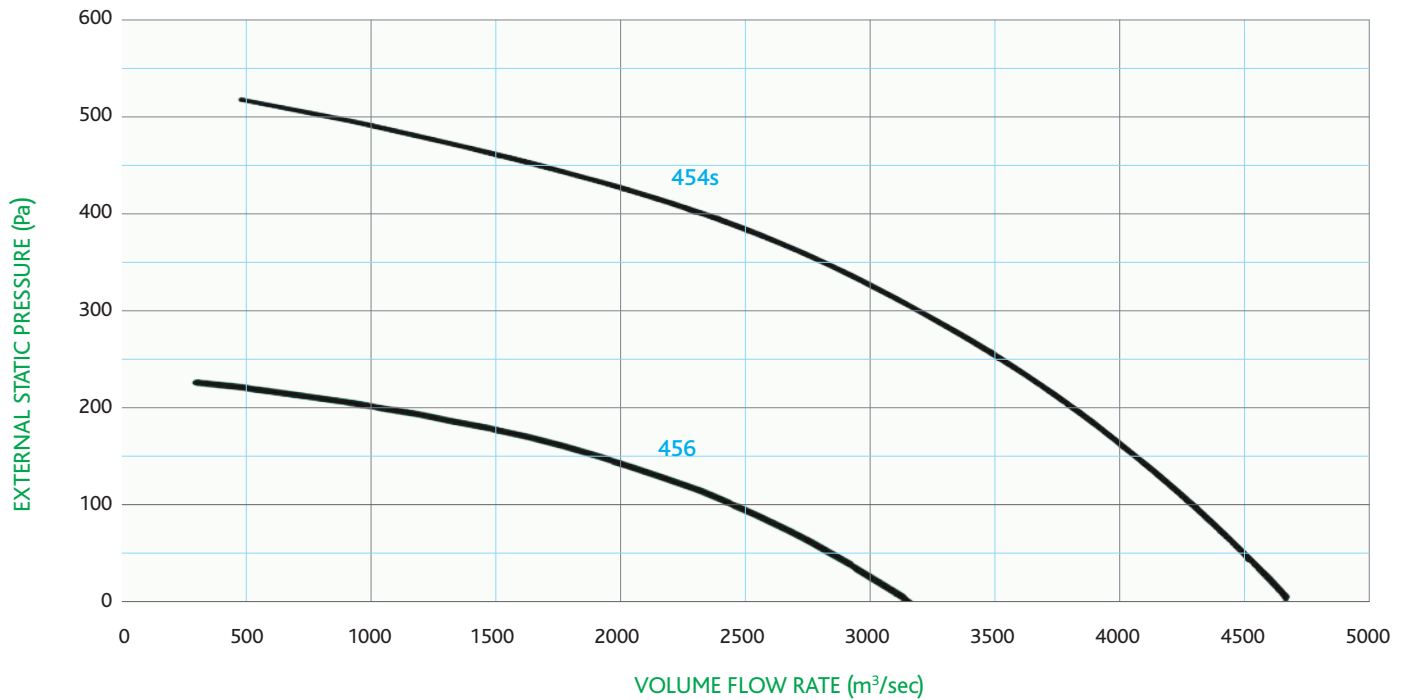
QMF404HTM QMF404HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	43	57	64	66	67	64	61	49	72
	Lp	22	36	43	46	46	44	40	29	51

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF454HTM, QMF454HTT and QMF456HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF454HTM	M	4	0.75	5.5	55/F	80
	QMF454HTT	T	4	0.75	2.20	55/F	80
	QMF456HTT	T	6	0.37	1.20	55/F	80

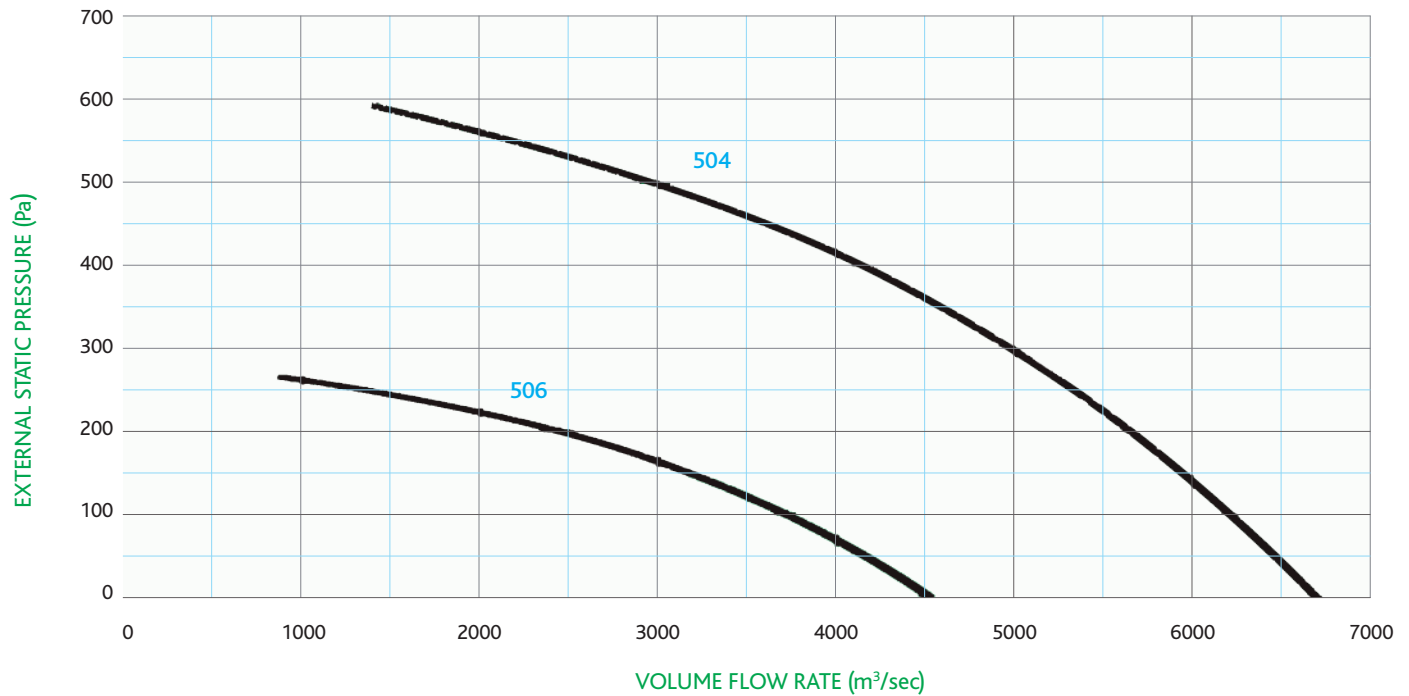
	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
QMF454HTM and QMF454HTT	Lw	46	60	67	70	70	67	63	52	75
	Lp	26	39	47	50	50	50	42	55	55
QMF456HTT	Lw	37	51	59	61	61	58	54	44	67
	Lp	17	30	38	41	41	38	33	23	46

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF504HTT and QMF506HTTs

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF504HTT	T	4	1.10	2.50	55/F	90
	QMF506HTT	T	6	0.37	1.20	55/F	80

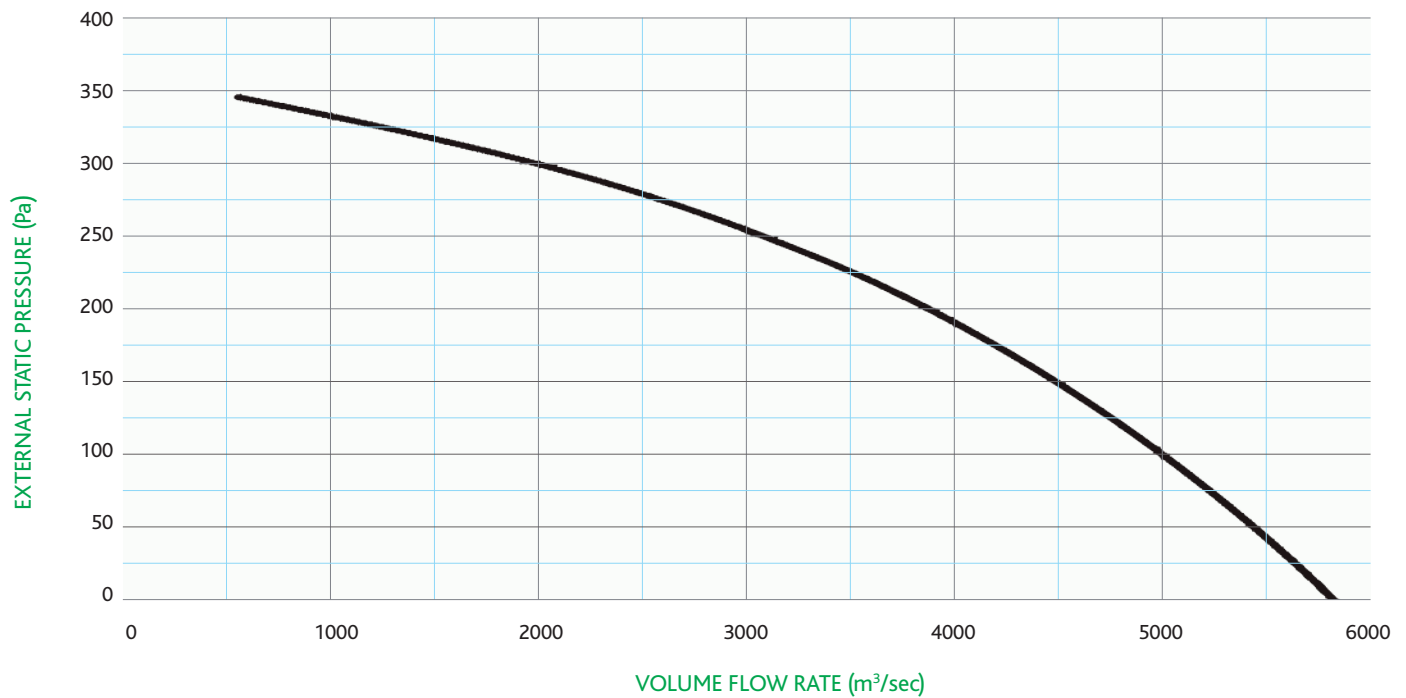
	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
QMF504HTT	Lw	46	61	69	72	73	71	66	55	78
	Lp	25	41	48	52	53	50	45	38	57
QMF506HTT	Lw	37	53	60	63	64	62	57	46	69
	Lp	16	32	40	43	44	41	36	26	49

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF566HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF566HTT	T	6	0.55	1.80	55/F	80

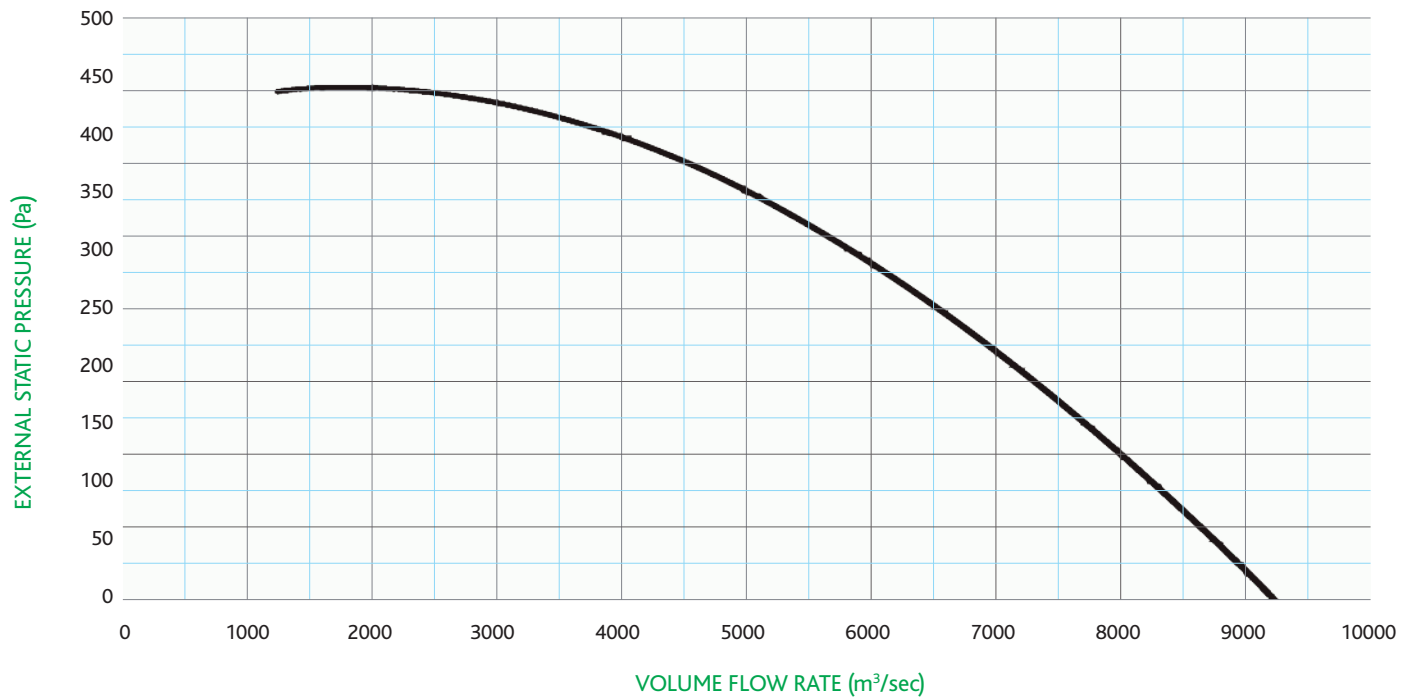
QMF566HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	42	52	61	64	65	63	56	46	70
	Lp	22	32	41	44	45	43	36	26	50

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF636HTT

FAN SPEED



ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF636HTT	T	6	1.10	2.74	55/F	90

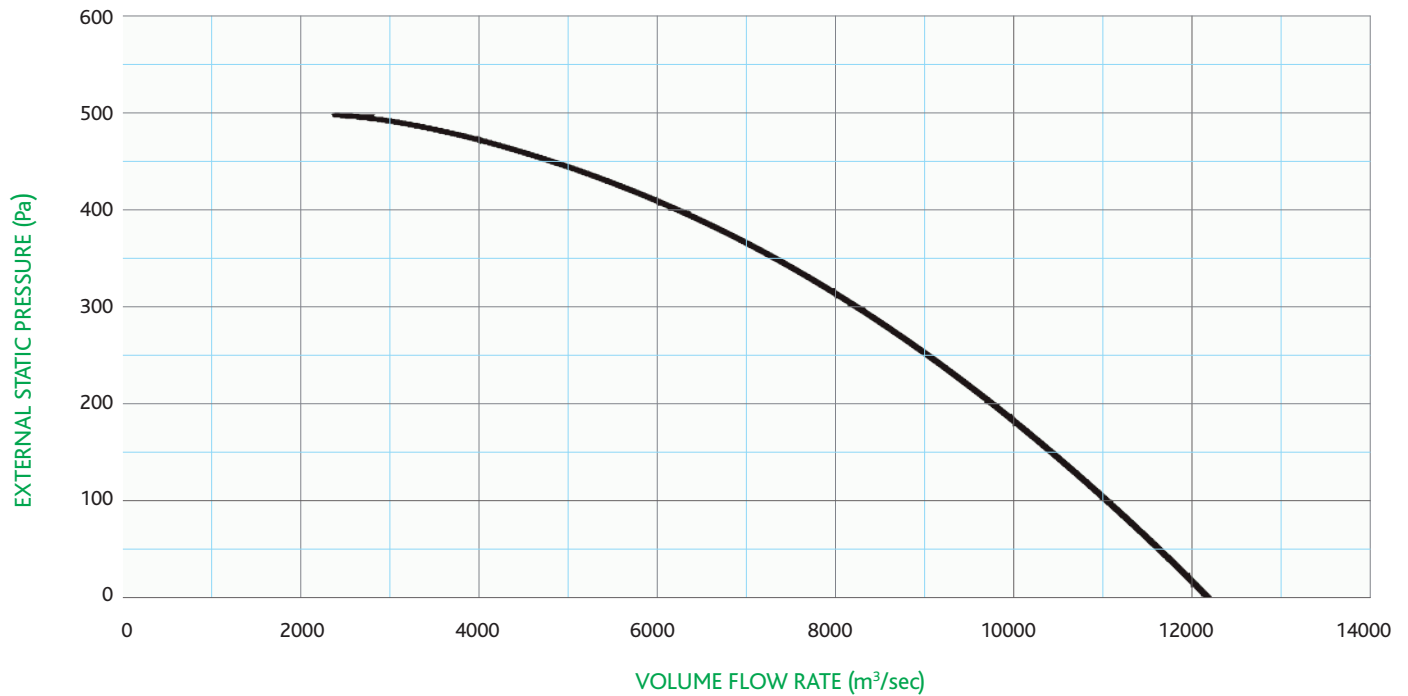
QMF636HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	51	62	68	70	71	69	63	54	76
	Lp	30	41	48	50	51	49	43	33	56

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

TECHNICAL DATA - QMF716HTT

FAN SPEED



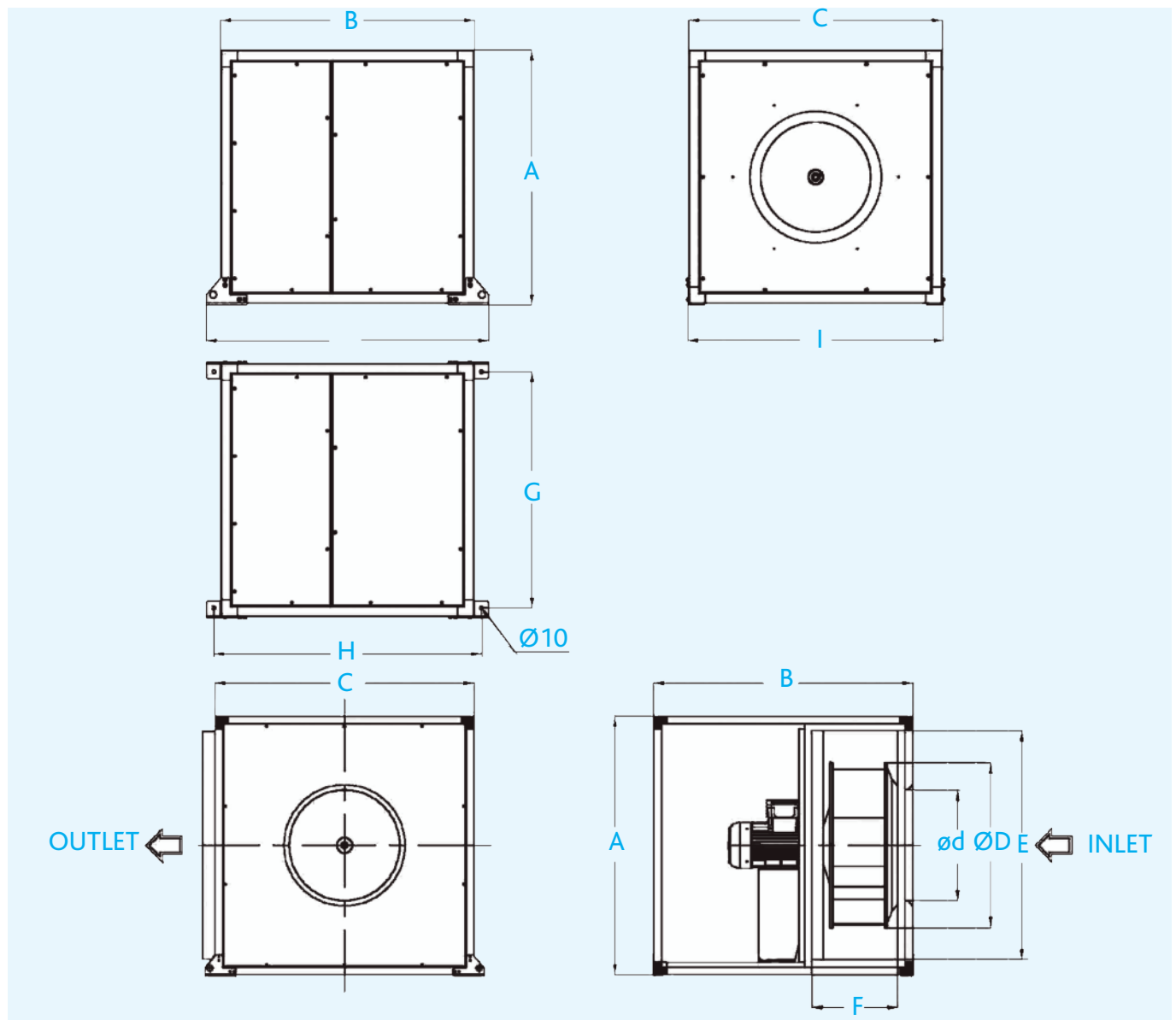
ELECTRICAL DATA	MODEL	PHASE	POLES	POWER (kW)	IN AMPS	IP/CL	MOT (GR)
	QMF716HTT	T	6	2.20	5.45	55/F	100

QMF716HTT	Mid Octave Frequency band / Hz									Total in Duct Sound Power Level
		63	125	250	500	1k	2k	4k	8k	dB(A)
	Lw	52	65	71	74	75	73	68	60	80
	Lp	32	44	51	54	55	53	48	40	60

Frequency 50Hz: Air temperature 15°C: Barometric pressure 760 mm Hg: Air specific weight 1.22 Kg/m³: Lp: sound pressure level measured at 3m.

HIGH TEMPERATURE BOX FAN RANGE - QMF-HT

DIMENSIONS (mm)

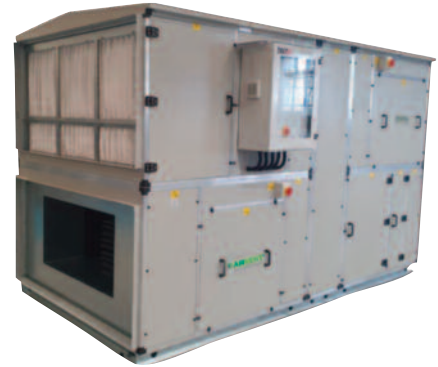


Model	A	B	C	D	d	E	F	G	H	i	L	Kg
QMF250HTs	500	500	500	260	180	420	130	468	530	506	565	28
QMF310HT	500	500	500	315	220	420	130	468	530	506	565	30
QMF354HTs	640	640	640	385	270	555	210	605	667	643	700	46
QMF404HTs	640	640	640	430	296	555	210	605	667	643	700	50
QMF450HTs	750	750	750	470	296	640	245	698	786	756	835	80
QMF500HTs	750	750	750	525	327	640	245	698	786	756	835	88
QMF566HTT	750	750	750	580	370	640	245	698	786	756	835	150
QMF636HTT	1000	1000	1000	650	427	880	330	948	1036	1006	1080	170
QMF716HTT	1000	1000	1000	730	477	880	330	948	1036	1006	1080	175

OTHER AIR VENT TECHNOLOGY PRODUCTS

STP/STR bespoke Air Handling Units

- Bespoke or modular, supply, extract or combined
- Plantroom or weatherproof, stacked, side x side and vertical models up to 20m³/s air volume
- Adhere to specialist sector specification
- Versatile fitted control options
- Sectionalised units and flat pack available



HRPSL/HRRSL - Heat Recovery Units

- Standard designs up to 4m³/s air volume
- Plantroom or weatherproof, stacked or side x side models
- High efficiency Counterflow heat exchanger
- Versatile fitted control options



IME/IMW/EME/EMW - Compact Supply Air Handling Units

SPE/SRE/SPW/SRW - Supply Air Handling Units

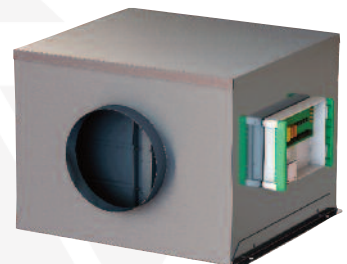
- Pre-designed units up to 1.2m³/s air volume
- Plantroom and weatherproof models
- Electric or water heating options
- Matched control panel options



QST/EMT - Acoustic Twin Cabinet Fans

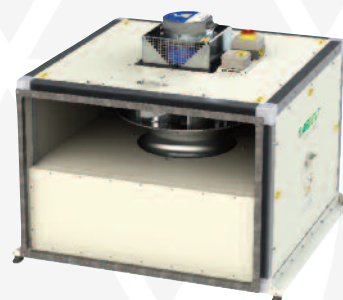
QSS/EM - Acoustic Cabinet Fans

- Pre-designed units up to 2.5m³/s air volume
- Plantroom and weatherproof models
- Matched control panels. Twin fans with auto-changeover facility



QBK - High Temperature Extract Fans

- Plantroom and weatherproof models
- Up to 8m³/s air volume
- Fire rated options available
- Matched control panel options including gas interlock





QMF-HT High Temperature Fan

For Industrial Kitchens

Continuous running in temperatures up to 180°C

0.25 m³/sec to 3.36 m³/sec

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