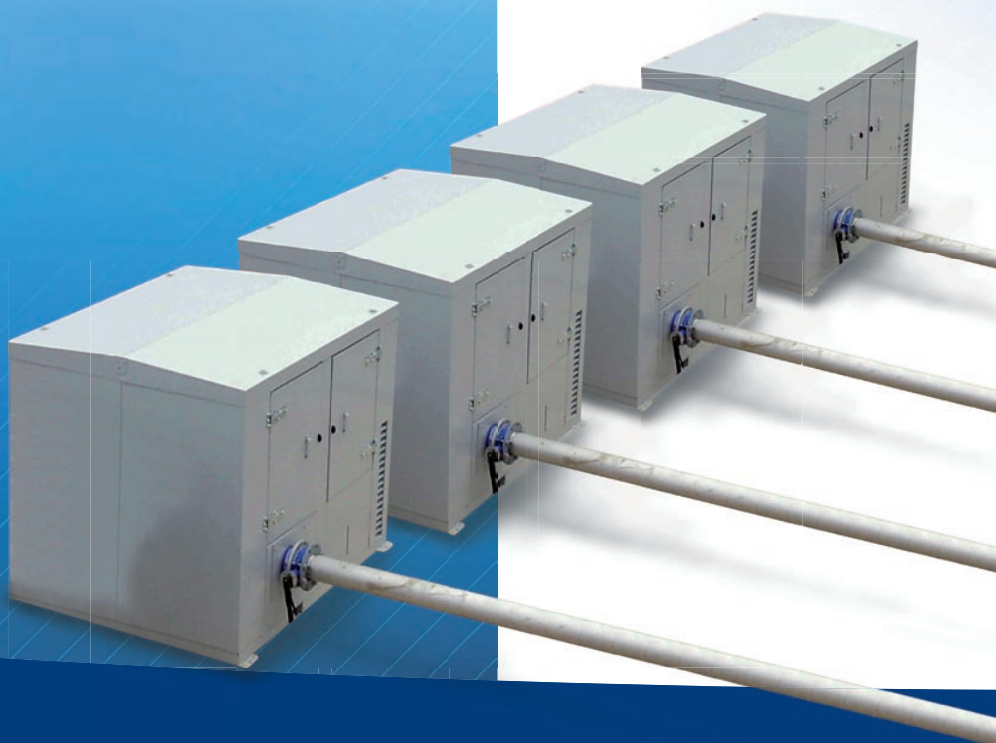
DRESSER®
Roots

EASYAIR™ 3000

Blower Package System

Contents



Reputation For Reliability, Quality And Technical Excellence Is Built Upon 150 Years Of Experience

With over 150 years experience, Dresser Roots – the originator of the rotary lobe blower in 1854 and the trilobe blower in 1914 – continues to be the premier global manufacturer and supplier of rotary positive and centrifugal blowers and systems.

Dresser Roots has three manufacturing facilities, including the original Roots factory in Indiana, USA and a factory in the UK which services the needs of our customers in Europe and other parts of the world.

Dresser Roots has a long history of reliability, quality and excellence giving our customers the highest standards of performance as well as one of the industry's largest distribution and service networks. Dresser Roots operates authorised service centres in the USA, Mexico, Europe and Shanghai and is able to service many of its products through local distribution.

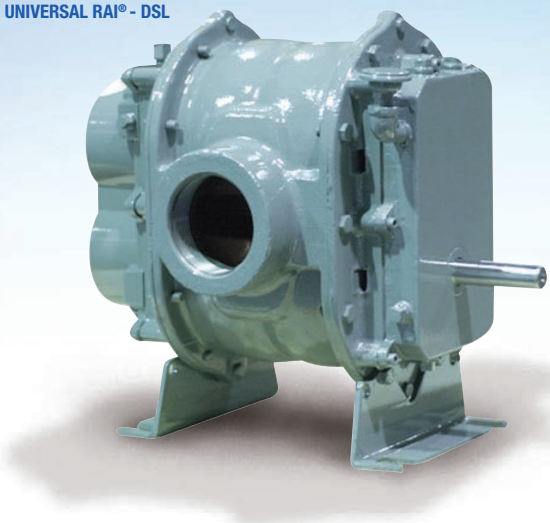
The Dresser Roots EasyAir™ 8000 Factory Blower Package System is a range of advanced blower and exhauster packages incorporating many key customer advantages. These include compact design, low noise levels, easy access for routine maintenance, optimised and patented automatic drive belt tensioning, efficient ROOTS® blowers and exhausters and a full range of pre-engineered industry options.

Dresser Roots EasyAir™ 8000 packages are designed for the efficient, customer friendly supply of oil free air for aeration in waste water treatment, pneumatic conveying of powdered or granular products including foodstuffs and pharmaceuticals etc. as well as many other applications throughout the world.

EASYAIR™ 8000

ROOTS® Blowers

UNIVERSAL RAI® - DSL



Dresser Roots UNIVERSAL RAI® - DSL and TRI-NADO™ blowers used throughout the EasyAir™ 8000 package series convey oil-free air for use up to a working pressure of 1000 mbg and vacuum to -500 mbg. They are designed for continuous and efficient long term usage resulting in low whole life costs. Special attention is paid to close internal clearances to ensure optimum unit efficiency. Materials used in construction are carefully selected both for reliable manufacture and for reliable use in the field.

All blowers incorporated into the EasyAir™ 8000 range are oil lubricated at both gear and drive end and in addition the UNIVERSAL RAI® - DSL incorporates a “Figure of 8” gearbox design, improving oil distribution. Oversized bearings are used throughout for extended life and high temperature bearings with a stabilisation temperature of 200°C are fitted to the TRI-NADO™ range, which also incorporates a PTFE hydrodynamic drive shaft seal to extend seal life, with spherical bearings at the drive end.

The TRI-NADO™ casing is extremely rigid allowing bolting directly to the flange of the discharge silencer without the need for support feet. Inlet and discharge flanges are drilled to BS EN 1092-2 PN16. Internal slot jets at the discharge side of the three lobe TRI-NADO™ blowers reduce downstream pulsation associated with ROOTS® blowers to a minimum.

TRI-NADO™ and UNIVERSAL RAI® - DSL casings are manufactured from high grade cast iron as standard. On TRI-NADO™ units, impellers are manufactured in ductile iron with integral shafts up to the 208 model and pressed in alloy steel stub shafts on larger units. On UNIVERSAL RAI® blowers, impellers are again manufactured in ductile iron with pressed in alloy steel shafts. Impellers are balanced to close tolerances during manufacture and can be closed for vacuum conveying applications to stop imbalance due to a build up of conveyed material inside the impeller body.

Low power absorption, straight cut spur gears in hardened steel are fitted to all UNIVERSAL RAI® - DSL and TRI-NADO™ blowers. They are located on tapered keyless shafts, eliminating troublesome keys and allowing ease and accuracy of timing adjustment and assembly, a system used by Dresser Roots for many years.

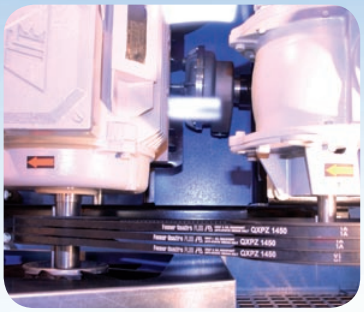
TRI-NADO™ is denoted by a “T” and UNIVERSAL RAI® - DSL by “U” in the performance tables and map.

For a more detailed specification of the TRI-NADO™ or the UNIVERSAL RAI® - DSL blower please refer to the office in Huddersfield or your local distributor.

TRI-NADO™

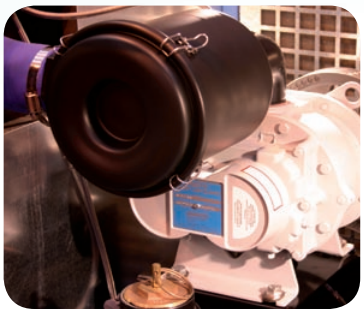
Ancillary Equipment


ELECTRIC MOTOR


V-BELT DRIVE


GUARD


AUTO-BELT TENSIONING


INLET FILTER/SILENCER


PRESSURE GAUGE & FILTER RESTRICTION INDICATOR

Electric Motor
A totally enclosed, fan ventilated B3 motor suitable for standard European three phase voltage is fitted. The terminal box is on top for ease of connection. Alternatives for other standards (e.g. NEMA for USA) are available.

Guard
A guard designed to cover the drive is fitted. Access is available after removal of the guard, or sections, depending on model.

Inlet Filter/Silencer
An inlet filter silencer containing a washable polypropylene element and a reactive silencer element is fitted to the intake of the blower.

Integrated Discharge Silencer/Base
The blower and drive are supported on a reactive discharge pulsation damper/base. This dissipates residual pulsation energy and reduces pipeline noise levels. For minimum pipeline noise radiation, the use of thick walled pipework is recommended.

Flexible Connection
A flexible connection is supplied on the downstream side isolating the blower from the system itself.

Auto-Belt Tensioning
Belt tension is maintained correctly by a system patented by Dresser Roots. The system combines spring pressure and the weight of the motor in order to maintain belt tension within the operating range stipulated by the manufacturer.

V-Belt Drive
A trapezoidal wedge multi belt drive arrangement consisting of pulleys, taper bushes and V-belts is supplied.

Pressure or Vacuum Gauge
A gauge showing the working pressure of the blower is mounted on the front face.

Filter Restriction Indicator
A restriction indicator to give visual indication of blockage of the inlet filter is mounted on the front face.

NON-RETURN VALVE & RELIEF VALVE

EASYLUBE

Non-Return Valve

A non-return valve is fitted in the discharge line to prevent reversal of rotation due to downstream pressure when the blower is not operating.

Relief Valve

A relief valve capable of passing the whole of the duty volume is fitted in the discharge line of a blower. Other systems, such as a pressure switch or current control in the motor starter, can be provided to stop the blower if an excessive pressure develops in the system.

Anti-Vibration Mountings

Anti-vibration mountings capable of isolating both high and low frequencies from foundations are included.

Unloading Valve (optional)

An unloading valve is available to ease starting when a star delta starter is used. For example, on aeration duty where the static head is high and may cause the blower to stall on start up without an unloading valve.

EasyLube (optional)

Blower oil drains, large diameter sight glasses and top up fittings are grouped together on an accessible, remotely mounted control block to assist and simplify the task of oil level checking, adjustment and oil evacuation.

Pressure Operated Electrical Switch (optional)

A pressure sensitive electrical switch designed to stop the machine in the event of an excessive pressure developing at the outlet of the blower can be fitted as an extra. Excessive pressure could be caused by a blockage or an inadvertently closed valve.

Acoustic Enclosures

Fan vented acoustic enclosures are available for installations where the noise radiating from the package will exceed local requirements unless an enclosure is fitted. They are close fitting, constructed from steel panels and lined with high density sound absorbent material. Enclosures are suitable for indoor or outdoor location with a tough powder coated external finish.

Enclosures are pre-assembled for most models. For access to the blower and ancillaries, EasyAir™ 8000 packages include lift off or hinged access panels.

Fitting a standard enclosure provides a noise reduction of 18 to 23 dB (A). Increased specification is available, please consult the sales office.

Packages can be supplied with or without enclosures.

Using Our Performance Guide

Inlet air volumes indicated represent a series of pulley and motor speed combinations for each blower package. Working pressures represent a series of steps up to the maximum for each package.

Other combinations are also available. Please contact Dresser Roots' sales department or your local distributor for further information and for vacuum data.

At each intersection of working pressure and inlet air volume the blower shaft power, blower speed, temperature rise and sound power levels are indicated.

Inlet volume relates to air at 15˚C, 1013mbA and 75% RH.

Sound power level relates to radiated noise from a package complete with acoustic enclosure, measured at 1m distance in free field conditions according to EN ISO 3746. Installed levels will generally be higher due to surrounding reflective surfaces and other practical considerations.

Table Key

Q (m³/h)	INTAKE VOLUME
t (degC)	TEMPERATURE RISE
nB (rpm)	BLOWER SPEED
nM (rpm)	MOTOR SPEED
Pa (kW)	BLOWER SHAFT POWER
Pm (kW)	MOTOR RATING
Motor Frame	MOTOR SIZE
dB(A)	SOUND PRESSURE LEVEL (WITH ACOUSTIC ENCLOSURE)

Tolerances

Blower Shaft Power	± 4%
Intake Volume	± 5%
Sound Pressure Level	± 2dB

	Size	SR50.U32M							
300 p (mbar)	Q (m³/h)	47	75	105	130	151	175	201	231
	t (degC)	41	34	30	29	28	27	27	27
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2830	2850	2850	2830	2830	2870	2870	2870
	Pa (kW)	0.8	1.0	1.3	1.5	1.7	1.9	2.2	2.4
	Pm (kW)	1.1	1.5	1.5	2.2	2.2	3	3	3
	Motor Frame	80B	90S	90S	90L	90L	100L	100L	100L
	dB(A)	<65	<65	<65	<65	67	69	70	72
400 p (mbar)	Q (m³/h)	40	68	98	123	144	168	194	224
	t (degC)	64	50	43	40	39	38	37	36
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2850	2850	2830	2830	2870	2870	2895	2895
	Pa (kW)	1.0	1.3	1.7	2.0	2.2	2.5	2.8	3.2
	Pm (kW)	1.5	1.5	2.2	2.2	3	3	4	4
	Motor Frame	90S	90S	90L	90L	100L	100L	112M	112M
	dB(A)	<65	<65	<65	67	69	70	72	74
500 p (mbar)	Q (m³/h)	34	62	92	117	138	162	188	217
	t (degC)	95	68	58	53	51	49	47	46
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2850	2830	2870	2870	2895	2895	2895	2910
	Pa (kW)	1.3	1.7	2.1	2.5	2.8	3.1	3.5	4.0
	Pm (kW)	1.5	2.2	3	3	4	4	4	5.5
	Motor Frame	90S	90L	100L	100L	112M	112M	112M	132SA
	dB(A)	<65	<65	66	68	70	72	74	75
600 p (mbar)	Q (m³/h)		57	87	112	132	156	183	212
	t (degC)		89	73	67	63	60	58	56
	nB (rpm)		1570	1960	2290	2560	2870	3215	3600
	nM (rpm)		2830	2870	2895	2895	2910	2910	2910
	Pa (kW)		2.0	2.5	3.0	3.3	3.7	4.2	4.7
	Pm (kW)		2.2	3	4	4	5.5	5.5	5.5
	Motor Frame		90L	100L	112M	112M	132SA	132SA	132SA
	dB(A)		<65	67	70	71	73	75	77
700 p (mbar)	Q (m³/h)		52	81	107	127	151	177	207
	t (degC)		114	91	81	76	72	69	67
	nB (rpm)		1570	1960	2290	2560	2870	3215	3600
	nM (rpm)		2870	2895	2895	2910	2910	2910	2895
	Pa (kW)		2.3	2.9	3.4	3.9	4.3	4.9	5.5
	Pm (kW)		3	4	4	5.5	5.5	5.5	7.5
	Motor Frame		100L	112M	112M	132SA	132SA	132SA	132SB
	dB(A)		<65	68	70	72	74	76	78
800 p (mbar)	Q (m³/h)			77	102	123	146	173	202
	t (degC)			110	97	90	85	81	78
	nB (rpm)			1960	2290	2560	2870	3215	3600
	nM (rpm)			2895	2910	2910	2910	2895	2895
	Pa (kW)			3.4	3.9	4.4	5.0	5.6	6.3
	Pm (kW)			4	5.5	5.5	5.5	7.5	7.5
	Motor Frame			112M	132SA	132SA	132SA	132SB	132SB
	dB(A)			69	71	73	75	76	78
900 p (mbar)	Q (m³/h)			72	98	118	142	168	198
	t (degC)			131	114	105	99	93	89
	nB (rpm)			1960	2290	2560	2870	3215	3600
	nM (rpm)			2910	2910	2910	2895	2895	2935
	Pa (kW)			3.8	4.4	4.9	5.6	6.3	7.0
	Pm (kW)			5.5	5.5	5.5	7.5	7.5	11
	Motor Frame			132SA	132SA	132SA	132SB	132SB	160MA
	dB(A)			70	72	74	76	77	79
1000 p (mbar)	Q (m³/h)				93	114	138	164	194
	t (degC)				132	121	113	106	101
	nB (rpm)				2290	2560	2870	3215	3600
	nM (rpm)				2910	2895	2895	2935	2935
	Pa (kW)				4.9	5.5	6.2	6.9	7.8
	Pm (kW)				5.5	7.5	7.5	11	11
	Motor Frame				132SA	132SB	132SB	160MA	160MA
	dB(A)				72	74	76	78	80

	Size	SR50.U33M							
300 p (mbar)	Q (m³/h)	67	106	147	181	210	242	278	318
	t (degC)	39	33	30	28	28	27	27	26
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2850	2830	2830	2830	2870	2870	2895	2895
	Pa (kW)	1.1	1.4	1.7	2.0	2.3	2.6	2.9	3.3
	Pm (kW)	1.5	2.2	2.2	2.2	3	3	4	4
	Motor Frame	90S	90L	90L	90L	100L	100L	112M	112M
	dB(A)	<65	<65	<65	65	67	69	70	72
400 p (mbar)	Q (m³/h)	58	97	138	172	200	233	269	309
	t (degC)	61	48	42	40	38	37	36	36
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2830	2830	2870	2870	2895	2895	2910	2910
	Pa (kW)	1.4	1.8	2.3	2.7	3.0	3.4	3.9	4.4
	Pm (kW)	2.2	2.2	3	3	4	4	5.5	5.5
	Motor Frame	90L	90L	100L	100L	112M	112M	132SA	132SA
	dB(A)	<65	<65	65	67	69	70	72	74
500 p (mbar)	Q (m³/h)	50	89	130	164	193	225	261	301
	t (degC)	88	65	56	52	50	48	46	45
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2830	2870	2895	2895	2910	2910	2910	2895
	Pa (kW)	1.8	2.3	2.9	3.4	3.8	4.3	4.8	5.4
	Pm (kW)	2.2	3	4	4	5.5	5.5	5.5	7.5
	Motor Frame	90L	100L	112M	112M	132SA	132SA	132SA	132SB
	dB(A)	<65	<65	66	68	70	72	74	75
600 p (mbar)	Q (m³/h)	43	82	123	157	185	218	254	294
	t (degC)	123	85	71	65	62	59	57	55
	nB (rpm)	1200	1570	1960	2290	2560	2870	3215	3600
	nM (rpm)	2870	2895	2895	2910	2910	2895	2895	2895
	Pa (kW)	2.1	2.8	3.4	4.0	4.5	5.1	5.8	6.5
	Pm (kW)	3	4	4	5.5	5.5	7.5	7.5	7.5
	Motor Frame	100L	112M	112M	132SA	132SA	132SB	132SB	132SB
	dB(A)	<65	<65	67	69	71	73	75	77
700 p (mbar)	Q (m³/h)		75	116	150	179	211	247	288
	t (degC)		108	87	79	74	71	68	66
	nB (rpm)		1570	1960	2290	2560	2870	3215	3600
	nM (rpm)		2895	2910	2910	2895	2895	2895	2935
	Pa (kW)		3.2	4.0	4.7	5.3	5.9	6.7	7.5
	Pm (kW)		4	5.5	5.5	7.5	7.5	7.5	11
	Motor Frame		112M	132SA	132SA	132SB	132SB	132SB	160MA
	dB(A)		65	68	70	72	74	76	77
800 p (mbar)	Q (m³/h)			110	144	173	205	241	281
	t (degC)			105	94	88	83	80	77
	nB (rpm)			1960	2290	2560	2870	3215	3600
	nM (rpm)			2910	2895	2895	2895	2935	2935
	Pa (kW)			4.6	5.4	6.0	6.8	7.6	8.6
	Pm (kW)			5.5	7.5	7.5	7.5	11	11
	Motor Frame			132SA	132SB	132SB	132SB	160MA	160MA
	dB(A)			69	71	73	75	76	78
900 p (mbar)	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								
1000 p (mbar)	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								

	Size	SR50.U42M							
300 p (mbar)	Q (m³/h)	53	94	145	185	213	245	280	320
	t (degC)	44	35	31	29	29	28	28	28
	nB (rpm)	1000	1400	1900	2290	2560	2870	3215	3600
	nM (rpm)	2830	2850	2830	2830	2870	2870	2895	2895
	Pa (kW)	0.9	1.2	1.7	2.0	2.3	2.6	3.0	3.4
	Pm (kW)	1.1	1.5	2.2	2.2	3	3	4	4
	Motor Frame	80B	90S	90L	90L	100L	100L	112M	112M
	dB(A)	<65	<65	65	67	69	71	72	74
400 p (mbar)	Q (m³/h)	45	86	137	178	205	237	273	312
	t (degC)	68	50	43	40	39	39	38	38
	nB (rpm)	1000	1400	1900	2290	2560	2870	3215	3600
	nM (rpm)	2850	2830	2870	2870	2895	2895	2910	2910
	Pa (kW)	1.1	1.6	2.2	2.7	3.0	3.4	3.9	4.4
	Pm (kW)	1.5	2.2	3	3	4	4	5.5	5.5
	Motor Frame	90S	90L	100L	100L	112M	112M	132SA	132SA
	dB(A)	<65	<65	66	69	71	72	74	76
500 p (mbar)	Q (m³/h)	38	79	131	171	199	230	266	305
	t (degC)	100	68	56	52	50	49	48	47
	nB (rpm)	1000	1400	1900	2290	2560	2870	3215	3600
	nM (rpm)	2830	2830	2895	2895	2910	2910	2910	2895
	Pa (kW)	1.4	2.0	2.8	3.3	3.8	4.3	4.8	5.4
	Pm (kW)	2.2	2.2	4	4	5.5	5.5	5.5	7.5
	Motor Frame	90L	90L	112M	112M	132SA	132SA	132SA	132SB
	dB(A)	<65	<65	68	70	72	74	76	78
600 p (mbar)	Q (m³/h)		73	124	165	192	224	260	299
	t (degC)		88	71	65	62	60	59	58
	nB (rpm)		1400	1900	2290	2560	2870	3215	3600
	nM (rpm)		2870	2895	2910	2910	2895	2895	2895
	Pa (kW)		2.4	3.3	4.0	4.5	5.1	5.7	6.5
	Pm (kW)		3	4	5.5	5.5	7.5	7.5	7.5
	Motor Frame		100L	112M	132SA	132SA	132SB	132SB	132SB
	dB(A)		<65	69	71	73	75	77	79
700 p (mbar)	Q (m³/h)		67	119	159	187	219	254	294
	t (degC)		111	86	78	75	72	70	68
	nB (rpm)		1400	1900	2290	2560	2870	3215	3600
	nM (rpm)		2895	2910	2910	2895	2895	2895	2935
	Pa (kW)		2.8	3.8	4.7	5.2	5.9	6.6	7.5
	Pm (kW)		4	5.5	5.5	7.5	7.5	7.5	11
	Motor Frame		112M	132SA	132SA	132SB	132SB	132SB	160MA
	dB(A)		65	69	72	74	76	78	80
800 p (mbar)	Q (m³/h)			114	154	181	213	249	288
	t (degC)			103	92	87	84	81	79
	nB (rpm)			1900	2290	2560	2870	3215	3600
	nM (rpm)			2910	2895	2895	2895	2935	2935
	Pa (kW)			4.4	5.3	6.0	6.7	7.6	8.5
	Pm (kW)			5.5	7.5	7.5	7.5	11	11
	Motor Frame			132SA	132SB	132SB	132SB	160MA	160MA
	dB(A)			70	73	75	77	79	81
900 p (mbar)	Q (m³/h)			109	149	176	208	244	283
	t (degC)			121	107	101	96	93	90
	nB (rpm)			1900	2290	2560	2870	3215	3600
	nM (rpm)			2910	2895	2895	2935	2935	2935
	Pa (kW)			4.9	6.0	6.7	7.5	8.5	9.6
	Pm (kW)			5.5	7.5	7.5	11	11	11
	Motor Frame			132SA	132SB	132SB	160MA	160MA	160MA
	dB(A)			71	74	76	78	80	81
1000 p (mbar)	Q (m³/h)				144	172	204	239	279
	t (degC)				122	115	109	105	101
	nB (rpm)				2290	2560	2870	3215	3600
	nM (rpm)				2895	2935	2935	2935	2930
	Pa (kW)				6.6	7.4	8.3	9.4	10.6
	Pm (kW)				7.5	11	11	11	15
	Motor Frame				132SB	160MA	160MA	160MA	160MB
	dB(A)				75	76	78	80	82

Size	EA65.U45M							
300 p (mbar)							577	632
Q (m³/h)							28	28
t (degC)							3242	3509
nB (rpm)							2895	2895
nM (rpm)							6.0	6.5
Pa (kW)							7.5	7.5
Pm (kW)							132SB	132SB
Motor Frame							72	74
dB(A)								
400 p (mbar)				347	401	458	567	628
Q (m³/h)				39	38	38	37	37
t (degC)				2192	2456	2730	3261	3558
nB (rpm)				2895	2895	2895	2935	2935
nM (rpm)				5.1	5.8	6.5	7.9	8.7
Pa (kW)				7.5	7.5	7.5	11	11
Pm (kW)				132SB	132SB	132SB	160MA	160MA
Motor Frame				68	70	72	74	76
dB(A)								
500 p (mbar)			278	335	396	453	554	614
Q (m³/h)			53	51	49	48	47	46
t (degC)			1918	2192	2490	2767	3261	3552
nB (rpm)			2895	2895	2935	2935	2935	2930
nM (rpm)			5.6	6.4	7.3	8.2	9.7	10.7
Pa (kW)			7.5	7.5	11	11	11	15
Pm (kW)			132SB	132SB	160MA	160MA	160MA	160MB
Motor Frame			70	70	72	73	76	77
dB(A)								
600 p (mbar)	171	223	267	323	385	442	542	603
Q (m³/h)	78	70	66	63	60	59	57	56
t (degC)	1448	1705	1918	2191	2490	2767	3256	3552
nB (rpm)	2895	2895	2895	2935	2935	2935	2930	2930
nM (rpm)	5	5.9	6.7	7.6	8.7	9.7	11.6	12.7
Pa (kW)	7.5	7.5	7.5	11	11	11	15	15
Pm (kW)	132SB	132SB	132SB	160MA	160MA	160MA	160MB	160MB
Motor Frame	65	67	69	71	73	74	77	79
dB(A)								
680 p (mbar)	162	215	264	315	377	433	534	595
Q (m³/h)	93	83	77	73	70	68	65	64
t (degC)	1448	1705	1944	2191	2490	2763	3256	3552
nB (rpm)	2895	2895	2935	2935	2935	2930	2930	2930
nM (rpm)	5.7	6.7	7.6	8.6	9.9	11.0	13.1	14.3
Pa (kW)	7.5	7.5	11	11	11	15	15	18.5
Pm (kW)	132SB	132SB	160MA	160MA	160MA	160MB	160MB	160L
Motor Frame	65	68	70	71	73	75	78	79
dB(A)								
800 p (mbar)								
Q (m³/h)								
t (degC)								
nB (rpm)								
nM (rpm)								
Pa (kW)								
Pm (kW)								
Motor Frame								
dB(A)								
900 p (mbar)								
Q (m³/h)								
t (degC)								
nB (rpm)								
nM (rpm)								
Pa (kW)								
Pm (kW)								
Motor Frame								
dB(A)								
1000 p (mbar)								
Q (m³/h)								
t (degC)								
nB (rpm)								
nM (rpm)								
Pa (kW)								
Pm (kW)								
Motor Frame								
dB(A)								

Size	EA80.U47M					
300 p (mbar)					770	851
Q (m³/h)					27	27
t (degC)					3261	3558
nB (rpm)					2935	2935
nM (rpm)					7.9	8.8
Pa (kW)					11	11
Pm (kW)					160MA	160MA
Motor Frame					73	74
dB(A)						
400 p (mbar)		463	540	619	752	832
Q (m³/h)		39	38	37	37	37
t (degC)		2191	2474	2767	3256	3552
nB (rpm)		2935	2935	2935	2930	2930
nM (rpm)		6.8	7.7	8.7	10.4	11.4
Pa (kW)		11	11	11	15	15
Pm (kW)		160MA	160MA	160MA	160MB	160MB
Motor Frame		68	70	72	75	76
dB(A)						
470 p (mbar)	385	452	529	607	741	821
Q (m³/h)	48	47	45	44	43	43
t (degC)	1944	2191	2474	2763	3256	3552
nB (rpm)	2935	2935	2935	2930	2930	2930
nM (rpm)	7.0	7.9	9.0	10.1	12.1	13.3
Pa (kW)	11	11	11	15	15	15
Pm (kW)	160MA	160MA	160MA	160MB	160MB	160MB
Motor Frame	68	70	71	73	76	77
dB(A)						
600 p (mbar)						
Q (m³/h)						
t (degC)						
nB (rpm)						
nM (rpm)						
Pa (kW)						
Pm (kW)						
Motor Frame						
dB(A)						
700 p (mbar)						
Q (m³/h)						
t (degC)						
nB (rpm)						
nM (rpm)						
Pa (kW)						
Pm (kW)						
Motor Frame						
dB(A)						
800 p (mbar)						
Q (m³/h)						
t (degC)						
nB (rpm)						
nM (rpm)						
Pa (kW)						
Pm (kW)						
Motor Frame						
dB(A)						
900 p (mbar)						
Q (m³/h)						
t (degC)						
nB (rpm)						
nM (rpm)						
Pa (kW)						
Pm (kW)						
Motor Frame						
dB(A)						
1000 p (mbar)						
Q (m³/h)						
t (degC)						
nB (rpm)						
nM (rpm)						
Pa (kW)						
Pm (kW)						
Motor Frame						
dB(A)						

	Size	EA65.U53M							EA100.U56M							
300 p (mbar)	Q (m³/h)												746	853	933
	t (degC)												29	29	29
	nB (rpm)												2283	2568	2781
	nM (rpm)												2935	2935	2935
	Pa (kW)												7.6	8.7	9.6
	Pm (kW)												11	11	11
	Motor Frame												160MA	160MA	160MA
	dB(A)												70	72	74
400 p (mbar)	Q (m³/h)										489	560	637	729	834	914
	t (degC)										40	40	39	39	38	38
	nB (rpm)										1644	1834	2038	2283	2564	2776
	nM (rpm)										2935	2935	2935	2935	2930	2930
	Pa (kW)										7.0	7.9	8.8	10.0	11.4	12.4
	Pm (kW)										11	11	11	11	15	15
	Motor Frame										160MA	160MA	160MA	160MA	160MB	160MB
	dB(A)										67	70	71	72	74	75
500 p (mbar)	Q (m³/h)									376	473	545	620	712	827	902
	t (degC)									55	52	51	50	49	48	48
	nB (rpm)									1384	1644	1834	2035	2279	2585	2784
	nM (rpm)									2935	2935	2935	2930	2930	2930	2930
	Pa (kW)									7.3	8.7	9.8	10.9	12.4	14.2	15.4
	Pm (kW)									11	11	11	15	15	18.5	18.5
	Motor Frame									160MA	160MA	160MA	160MB	160MB	160L	160L
	dB(A)									66	69	70	72	74	76	77
600 p (mbar)	Q (m³/h)							479	514	255	362	456	530	607	698	813	888
	t (degC)							60	59	76	68	64	62	61	59	58	58
	nB (rpm)							2604	2758	1099	1384	1635	1831	2035	2279	2585	2784
	nM (rpm)							2930	2930	2935	2935	2930	2930	2930	2930	2930	2930
	Pa (kW)							10.2	10.9	6.9	8.8	10.4	11.7	13.1	14.7	16.9	18.3
	Pm (kW)							15	15	11	11	15	15	15	18.5	22	22
	Motor Frame							160MB	160MB	160MA	160MA	160MB	160MB	160MB	160L	180M	180M
	dB(A)							77	78	<65	67	70	72	73	75	77	78
700 p (mbar)	Q (m³/h)						400	471	505								
	t (degC)						72	71	70								
	nB (rpm)						2289	2604	2758								
	nM (rpm)						2930	2930	2930								
	Pa (kW)						10.3	11.8	12.6								
	Pm (kW)						15	15	15								
	Motor Frame						160MB	160MB	160MB								
	dB(A)						76	78	79								
680 p (mbar)	Q (m³/h)									245	352	446	520	597	688	803	886
	t (degC)									90	79	74	72	70	68	67	66
	nB (rpm)									1099	1384	1635	1831	2036	2279	2585	2807
	nM (rpm)									2935	2935	2930	2930	2930	2930	2930	2955
	Pa (kW)									7.8	9.9	11.8	13.2	14.8	16.6	19.0	20.8
	Pm (kW)									11	11	15	15	18.5	18.5	22	30
	Motor Frame									160MA	160MA	160MB	160MB	160L	160L	180M	200LA
	dB(A)									65	68	70	72	74	76	78	79
800 p (mbar)	Q (m³/h)				339	393	463	498									
	t (degC)				86	84	82	81									
	nB (rpm)				2051	2289	2604	2758									
	nM (rpm)				2930	2930	2930	2930									
	Pa (kW)				10.4	11.7	13.4	14.3									
	Pm (kW)				15	15	15	18.5									
	Motor Frame				160MB	160MB	160MB	160L									
	dB(A)				75	77	79	80									
900 p (mbar)	Q (m³/h)			283	332	385	456	490									
	t (degC)			104	99	96	93	92									
	nB (rpm)			1831	2051	2289	2604	2758									
	nM (rpm)			2930	2930	2930	2930	2930									
	Pa (kW)			10.4	11.7	13.1	15.1	16.0									
	Pm (kW)			15	15	15	18.5	18.5									
	Motor Frame			160MB	160MB	160MB	160L	160L									
	dB(A)			74	75	78	80	81									
1000 p (mbar)	Q (m³/h)		233	276	325	378	449	483									
	t (degC)		124	118	112	108	104	103									
	nB (rpm)		1641	1831	2051	2289	2604	2758									
	nM (rpm)		2930	2930	2930	2930	2930	2930									
	Pa (kW)		10.3	11.5	13.0	14.6	16.7	17.7									
	Pm (kW)		15	15	15	18.5	18.5	22									
	Motor Frame		160MB	160MB	160MB	160L	160L	180M									
	dB(A)		73	75	76	78	80	81									

p (mbar)	Size	EA100.U59M						
300	Q (m³/h)					1111	1267	1388
	t (degC)					28	28	28
	nB (rpm)					2279	2564	2784
	nM (rpm)					2930	2930	2930
	Pa (kW)					11.1	12.8	14.0
	Pm (kW)					15	15	18.5
	Motor Frame					160MB	160MB	160L
	dB(A)					70	72	73
400	Q (m³/h)		736	843	955	1089	1246	1366
	t (degC)		39	38	38	38	38	38
	nB (rpm)		1635	1831	2035	2279	2564	2784
	nM (rpm)		2930	2930	2930	2930	2930	2930
	Pa (kW)		10.2	11.5	12.9	14.6	16.7	18.3
	Pm (kW)		15	15	15	18.5	18.5	22
	Motor Frame		160MB	160MB	160MB	160L	160L	180M
	dB(A)		67	69	71	72	74	75
470	Q (m³/h)	590	722	830	942	1081	1244	1365
	t (degC)	48	47	46	45	45	44	44
	nB (rpm)	1395	1635	1831	2035	2289	2585	2807
	nM (rpm)	2930	2930	2930	2930	2930	2930	2955
	Pa (kW)	10.2	12.0	13.5	15.1	17.1	19.6	21.5
	Pm (kW)	15	15	15	18.5	22	22	30
	Motor Frame	160MB	160MB	160MB	160L	180M	180M	200LA
	dB(A)	66	68	70	72	73	75	76
600	Q (m³/h)							
	t (degC)							
	nB (rpm)							
	nM (rpm)							
	Pa (kW)							
	Pm (kW)							
	Motor Frame							
	dB(A)							
700	Q (m³/h)							
	t (degC)							
	nB (rpm)							
	nM (rpm)							
	Pa (kW)							
	Pm (kW)							
	Motor Frame							
	dB(A)							
800	Q (m³/h)							
	t (degC)							
	nB (rpm)							
	nM (rpm)							
	Pa (kW)							
	Pm (kW)							
	Motor Frame							
	dB(A)							
900	Q (m³/h)							
	t (degC)							
	nB (rpm)							
	nM (rpm)							
	Pa (kW)							
	Pm (kW)							
	Motor Frame							
	dB(A)							
1000	Q (m³/h)							
	t (degC)							
	nB (rpm)							
	nM (rpm)							
	Pa (kW)							
	Pm (kW)							
	Motor Frame							
	dB(A)							

p (mbar)	Size	EA100.U65M							
300	Q (m³/h)	188	288	420	512	585	668	762	867
	t (degC)	38	33	31	30	30	30	30	30
	nB (rpm)	725	965	1280	1500	1675	1875	2100	2350
	nM (rpm)	2870	2895	2910	2895	2895	2935	2935	2935
	Pa (kW)	2.6	3.4	4.6	5.5	6.2	7.0	8.0	9.2
	Pm (kW)	3	4	5.5	7.5	7.5	11	11	11
	Motor Frame	100L	112M	132SA	132SB	132SB	160MA	160MA	160MA
	dB(A)	<65	<65	<65	67	69	70	72	74
400	Q (m³/h)	170	270	402	494	567	651	745	849
	t (degC)	56	47	43	41	40	40	39	39
	nB (rpm)	725	965	1280	1500	1675	1875	2100	2350
	nM (rpm)	2895	2910	2895	2935	2935	2935	2930	2930
	Pa (kW)	3.4	4.5	6.1	7.2	8.1	9.2	10.4	11.9
	Pm (kW)	4	5.5	7.5	11	11	11	15	15
	Motor Frame	112M	132SA	132SB	160MA	160MA	160MA	160MB	160MB
	dB(A)	<65	<65	66	69	70	72	74	76
500	Q (m³/h)	154	254	386	478	551	635	729	833
	t (degC)	77	63	55	53	51	50	50	49
	nB (rpm)	725	965	1280	1500	1675	1875	2100	2350
	nM (rpm)	2910	2895	2935	2935	2930	2930	2930	2930
	Pa (kW)	4.2	5.7	7.6	9.0	10.1	11.4	12.9	14.6
	Pm (kW)	5.5	7.5	11	11	15	15	15	18.5
	Motor Frame	132SA	132SB	160MA	160MA	160MB	160MB	160MB	160L
	dB(A)	<65	<65	68	70	72	73	75	77
600	Q (m³/h)	140	240	372	464	537	621	715	819
	t (degC)	102	79	69	65	63	61	60	60
	nB (rpm)	725	965	1280	1500	1675	1875	2100	2350
	nM (rpm)	2895	2895	2935	2930	2930	2930	2930	2930
	Pa (kW)	5.1	6.8	9.1	10.7	12.0	13.5	15.3	17.3
	Pm (kW)	7.5	7.5	11	15	15	15	18.5	22
	Motor Frame	132SB	132SB	160MA	160MB	160MB	160MB	160L	180M
	dB(A)	<65	65	69	71	73	75	76	78
700	Q (m³/h)	127	227	359	451	524	608	702	806
	t (degC)	131	98	83	78	75	73	71	70
	nB (rpm)	725	965	1280	1500	1675	1875	2100	2350
	nM (rpm)	2895	2935	2930	2930	2930	2930	2930	2955
	Pa (kW)	5.9	7.9	10.6	12.4	14.0	15.7	17.8	20.1
	Pm (kW)	7.5	11	15	15	18.5	18.5	22	30
	Motor Frame	132SB	160MA	160MB	160MB	160L	160L	180M	200LA
	dB(A)	<65	66	70	72	74	76	78	79
800	Q (m³/h)		215	347	439	512	595	689	794
	t (degC)		118	98	91	87	85	82	81
	nB (rpm)		965	1280	1500	1675	1875	2100	2350
	nM (rpm)		2935	2930	2930	2930	2930	2955	2955
	Pa (kW)		9.0	12.0	14.2	15.9	17.9	20.2	22.8
	Pm (kW)		11	15	18.5	18.5	22	30	30
	Motor Frame		160MA	160MB	160L	160L	180M	200LA	200LA
	dB(A)		66	70	73	75	77	78	80
900	Q (m³/h)			335	427	500	584	678	782
	t (degC)			113	105	100	97	94	92
	nB (rpm)			1280	1500	1675	1875	2100	2350
	nM (rpm)			2930	2930	2930	2955	2955	2955
	Pa (kW)			13.5	15.9	17.8	20.1	22.6	25.5
	Pm (kW)			15	18.5	22	30	30	30
	Motor Frame			160MB	160L	180M	200LA	200LA	200LA
	dB(A)			71	74	76	77	79	81
1000	Q (m³/h)			324	416	490	573	667	772
	t (degC)			130	119	114	109	106	103
	nB (rpm)			1280	1500	1675	1875	2100	2350
	nM (rpm)			2930	2930	2930	2955	2955	2955
	Pa (kW)			15.0	17.7	19.8	22.2	25.1	28.2
	Pm (kW)			18.5	22	22	30	30	37
	Motor Frame			160L	180M	180M	200LA	200LA	200LB
	dB(A)			72	74	76	78	80	82

p (mbar)	Size	EA125.TN10							
300	Q (m³/h)	195	389	679	896	1025	1172	1335	1519
	t (degC)	48	36	32	31	31	31	31	32
	nB (rpm)	1200	1800	2700	3370	3770	4225	4730	5300
	nM (rpm)	2895	2910	2935	2935	2930	2930	2930	2930
	Pa (kW)	3.3	4.9	7.6	9.7	11.0	12.6	14.5	16.8
	Pm (kW)	4	5.5	11	11	15	15	18.5	22
	Motor Frame	112M	132SA	160MA	160MA	160MB	160MB	160L	180M
	dB(A)	<65	66	70	73	74	77	80	81
400	Q (m³/h)	165	359	650	866	995	1142	1305	1489
	t (degC)	75	52	44	42	42	41	41	41
	nB (rpm)	1200	1800	2700	3370	3770	4225	4730	5300
	nM (rpm)	2910	2895	2935	2930	2930	2930	2930	2955
	Pa (kW)	4.3	6.5	10.0	12.7	14.4	16.4	18.7	21.5
	Pm (kW)	5.5	7.5	11	15	18.5	18.5	22	30
	Motor Frame	132SA	132SB	160MA	160MB	160L	160L	180M	200LA
	dB(A)	<65	67	71	74	75	78	79	81
500	Q (m³/h)	139	333	623	840	969	1116	1279	1463
	t (degC)	112	70	57	54	53	52	52	52
	nB (rpm)	1200	1800	2700	3370	3770	4225	4730	5300
	nM (rpm)	2895	2935	2930	2930	2930	2955	2955	2955
	Pa (kW)	5.4	8.2	12.4	15.7	17.8	20.2	23.0	26.3
	Pm (kW)	7.5	11	15	18.5	22	30	30	30
	Motor Frame	132SB	160MA	160MB	160L	180M	200LA	200LA	200LA
	dB(A)	<65	68	72	75	76	79	80	82
600	Q (m³/h)		309	600	816	945	1092	1255	1439
	t (degC)		91	71	66	64	63	62	62
	nB (rpm)		1800	2700	3370	3770	4225	4730	5300
	nM (rpm)		2935	2930	2930	2955	2955	2955	2955
	Pa (kW)		9.8	14.8	18.8	21.2	24.0	27.2	31.0
	Pm (kW)		11	18.5	22	30	30	30	37
	Motor Frame		160MA	160L	180M	200LA	200LA	200LA	200LB
	dB(A)		68	73	75	77	80	81	82
700	Q (m³/h)		287	578	794	923	1070	1233	1417
	t (degC)		114	86	79	76	75	73	72
	nB (rpm)		1800	2700	3370	3770	4225	4730	5300
	nM (rpm)		2930	2930	2955	2955	2955	2955	2970
	Pa (kW)		11.4	17.3	21.8	24.6	27.8	31.5	35.8
	Pm (kW)		15	22	30	30	37	37	45
	Motor Frame		160MB	180M	200LA	200LA	200LB	200LB	225M
	dB(A)		69	74	76	77	80	81	83
800	Q (m³/h)			558	774	903	1050	1213	1397
	t (degC)			101	92	89	86	84	83
	nB (rpm)			2700	3370	3770	4225	4730	5300
	nM (rpm)			2930	2955	2955	2955	2970	2970
	Pa (kW)			19.7	24.8	27.9	31.6	35.7	40.5
	Pm (kW)			22	30	37	37	45	45
	Motor Frame			180M	200LA	200LB	200LB	225M	225M
	dB(A)			74	77	78	81	83	84
900	Q (m³/h)			538	755	884	1031	1194	1378
	t (degC)			118	106	102	98	96	94
	nB (rpm)			2700	3370	3770	4225	4730	5300
	nM (rpm)			2955	2955	2955	2970	2970	2975
	Pa (kW)			22.1	27.8	31.3	35.3	39.9	45.3
	Pm (kW)			30	37	37	45	45	55
	Motor Frame			200LA	200LB	200LB	225M	225M	250M
	dB(A)			75	77	79	81	83	84
1000	Q (m³/h)				737	866	1013	1176	1360
	t (degC)				120	115	111	108	106
	nB (rpm)				3370	3770	4225	4730	5300
	nM (rpm)				2955	2955	2970	2975	2975
	Pa (kW)				30.8	34.7	39.1	44.2	50.0
	Pm (kW)				37	37	45	55	55
	Motor Frame				200LB	200LB	225M	250M	250M
	dB(A)				78	79	82	84	85

p (mbar)	Size	EA150.TN08							
300	Q (m³/h)	261	520	908	1197	1370	1566	1784	2030
	t (degC)	48	36	32	31	31	31	31	31
	nB (rpm)	1200	1800	2700	3370	3770	4225	4730	5300
	nM (rpm)	2910	2895	2930	2930	2930	2930	2930	2955
	Pa (kW)	4.3	6.6	10.1	12.9	14.7	16.8	19.2	22.1
	Pm (kW)	5.5	7.5	15	15	18.5	18.5	22	30
	Motor Frame	132SA	132SB	160MB	160MB	160L	160L	180M	200LA
	dB(A)	<65	66	70	73	74	77	79	80
400	Q (m³/h)	221	480	868	1157	1330	1527	1744	1990
	t (degC)	75	52	44	42	41	41	41	41
	nB (rpm)	1200	1800	2700	3370	3770	4225	4730	5300
	nM (rpm)	2895	2935	2930	2930	2930	2955	2955	2955
	Pa (kW)	5.8	8.7	13.3	16.9	19.2	21.8	24.9	28.5
	Pm (kW)	7.5	11	15	22	22	30	30	37
	Motor Frame	132SB	160MA	160MB	180M	180M	200LA	200LA	200LB
	dB(A)	<65	67	71	74	75	78	80	81
500	Q (m³/h)	186	445	833	1122	1295	1491	1709	1955
	t (degC)	112	70	57	54	53	52	51	51
	nB (rpm)	1200	1800	2700	3370	3770	4225	4730	5300
	nM (rpm)	2935	2930	2930	2955	2955	2955	2955	2970
	Pa (kW)	7.2	10.9	16.6	21.0	23.7	26.9	30.5	34.8
	Pm (kW)	11	15	18.5	30	30	30	37	45
	Motor Frame	160MA	160MB	160L	200LA	200LA	200LA	200LB	225M
	dB(A)	<65	68	72	75	76	79	80	82
600	Q (m³/h)		413	802	1091	1263	1460	1678	1924
	t (degC)		91	71	66	64	63	62	61
	nB (rpm)		1800	2700	3370	3770	4225	4730	5300
	nM (rpm)		2930	2930	2955	2955	2955	2970	2975
	Pa (kW)		13.1	19.8	25.0	28.2	31.9	36.2	41.2
	Pm (kW)		15	22	30	37	37	45	55
	Motor Frame		160MB	180M	200LA	200LB	200LB	225M	250M
	dB(A)		68	73	75	77	80	81	82
700	Q (m³/h)		384	772	1062	1234	1431	1649	1895
	t (degC)		114	86	79	76	74	73	72
	nB (rpm)		1800	2700	3370	3770	4225	4730	5300
	nM (rpm)		2930	2955	2955	2955	2970	2975	2975
	Pa (kW)		15.2	23.0	29.1	32.7	37.0	41.9	47.5
	Pm (kW)		18.5	30	37	37	45	55	55
	Motor Frame		160L	200LA	200LB	200LB	225M	250M	250M
	dB(A)		69	74	76	77	81	82	83
800	Q (m³/h)			745	1034	1207	1403	1621	1867
	t (degC)			101	92	89	86	84	83
	nB (rpm)			2700	3370	3770	4225	4730	5300
	nM (rpm)			2955	2955	2970	2975	2975	2970
	Pa (kW)			26.3	33.1	37.2	42.1	47.5	53.9
	Pm (kW)			30	37	45	55	55	75
	Motor Frame			200LA	200LB	225M	250M	250M	280S
	dB(A)			74	77	78	81	83	84
900	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								
1000	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								

p (mbar)	Size	EA150.T110							
300	Q (m³/h)	584	849	1214	1501	1708	1940	2199	2489
	t (degC)	34	31	30	29	29	29	30	30
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2895	2935	2930	2930	2930	2930	2955	2955
	Pa (kW)	6.8	9.2	12.5	15.3	17.4	19.9	22.8	26.3
	Pm (kW)	7.5	11	15	18.5	22	22	30	30
	Motor Frame	132SB	160MA	160MB	160L	180M	180M	200LA	200LA
	dB(A)	<65	67	71	73	74	75	77	78
400	Q (m³/h)	550	815	1179	1467	1673	1906	2164	2455
	t (degC)	47	43	40	39	39	39	39	40
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2935	2930	2930	2955	2955	2955	2955	2970
	Pa (kW)	9.1	12.1	16.5	20.1	22.8	25.9	29.6	33.9
	Pm (kW)	11	15	18.5	30	30	30	37	45
	Motor Frame	160MA	160MB	160L	200LA	200LA	200LA	200LB	225M
	dB(A)	65	68	72	74	75	76	77	79
500	Q (m³/h)	520	784	1149	1436	1643	1875	2134	2424
	t (degC)	62	55	51	50	49	49	49	49
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2930	2955	2955	2955	2955	2970	2975
	Pa (kW)	11.3	15.1	20.5	24.9	28.1	31.9	36.3	41.4
	Pm (kW)	15	18.5	30	30	37	37	45	55
	Motor Frame	160MB	160L	200LA	200LA	200LB	200LB	225M	250M
	dB(A)	66	69	72	74	76	77	78	80
600	Q (m³/h)	492	757	1122	1409	1616	1848	2106	2397
	t (degC)	79	69	63	60	60	59	59	59
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2930	2955	2955	2955	2970	2975	2975
	Pa (kW)	13.5	18.1	24.5	29.7	33.5	37.9	43.0	48.9
	Pm (kW)	15	22	30	37	37	45	55	55
	Motor Frame	160MB	180M	200LA	200LB	200LB	225M	250M	250M
	dB(A)	67	70	73	75	77	78	79	80
700	Q (m³/h)	467	732	1096	1384	1590	1823	2081	2372
	t (degC)	97	83	75	71	70	69	69	68
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2955	2955	2970	2970	2975	2975	2970
	Pa (kW)	15.8	21.1	28.5	34.5	38.9	43.9	49.7	56.5
	Pm (kW)	18.5	30	37	45	45	55	55	75
	Motor Frame	160L	200LA	200LB	225M	225M	250M	250M	280S
	dB(A)	67	71	74	76	77	78	80	81
800	Q (m³/h)	443	708	1073	1360	1567	1799	2058	2348
	t (degC)	117	97	87	83	81	80	79	78
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2955	2955	2970	2975	2975	2970	2970
	Pa (kW)	18.0	24.0	32.5	39.2	44.2	49.9	56.4	64.0
	Pm (kW)	22	30	37	45	55	55	75	75
	Motor Frame	180M	200LA	200LB	225M	250M	250M	280S	280S
	dB(A)	68	71	75	77	78	79	80	82
900	Q (m³/h)		686	1051	1338	1545	1777	2036	2326
	t (degC)		113	100	94	92	90	89	88
	nB (rpm)		1660	2225	2670	2990	3350	3750	4200
	nM (rpm)		2955	2970	2975	2975	2970	2970	2980
	Pa (kW)		27.0	36.4	44.0	49.6	55.9	63.2	71.5
	Pm (kW)		30	45	55	55	75	75	90
	Motor Frame		200LA	225M	250M	250M	280S	280S	280M
	dB(A)		72	75	77	78	80	81	82
1000	Q (m³/h)			1030	1317	1524	1756	2015	2305
	t (degC)			113	106	104	101	100	98
	nB (rpm)			2225	2670	2990	3350	3750	4200
	nM (rpm)			2970	2975	2970	2970	2980	2980
	Pa (kW)			40.4	48.8	54.9	61.9	69.9	79.0
	Pm (kW)			45	55	75	75	90	90
	Motor Frame			225M	250M	280S	280S	280M	280M
	dB(A)			75	78	79	80	81	83

p (mbar)	Size	EA200.T108							
300	Q (m³/h)	780	1133	1620	2003	2279	2589	2933	3321
	t (degC)	33	31	30	29	29	29	30	30
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2935	2930	2930	2955	2955	2955	2955	2970
	Pa (kW)	9.1	12.2	16.7	20.4	23.1	26.4	30.3	34.8
	Pm (kW)	11	15	18.5	30	30	30	37	45
	Motor Frame	160MA	160MB	160L	200LA	200LA	200LA	200LB	225M
	dB(A)	<65	67	71	73	74	75	77	78
400	Q (m³/h)	734	1087	1574	1957	2233	2543	2887	3275
	t (degC)	47	43	40	39	39	39	39	39
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2930	2955	2955	2955	2975	2970	2975
	Pa (kW)	12.1	16.2	22.0	26.7	30.3	34.4	39.2	44.9
	Pm (kW)	15	18.5	30	30	37	45	45	55
	Motor Frame	160MB	160L	200LA	200LA	200LB	225M	225M	250M
	dB(A)	<65	68	71	74	75	76	77	79
500	Q (m³/h)	693	1046	1533	1916	2192	2502	2847	3235
	t (degC)	62	55	51	50	49	49	49	49
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2955	2955	2955	2975	2975	2975	2970
	Pa (kW)	15.1	20.1	27.3	33.1	37.4	42.4	48.2	54.9
	Pm (kW)	18.5	30	37	37	45	45	55	75
	Motor Frame	160L	200LA	200LB	200LB	225M	225M	250M	280S
	dB(A)	66	70	72	74	76	77	78	80
600	Q (m³/h)	657	1010	1496	1880	2156	2466	2810	3198
	t (degC)	79	69	63	60	59	59	58	58
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2930	2955	2955	2975	2975	2970	2970	2970
	Pa (kW)	18.1	24.1	32.6	39.5	44.6	50.4	57.1	65.0
	Pm (kW)	22	30	37	45	55	75	75	75
	Motor Frame	180M	200LA	200LB	225M	250M	280S	280S	280S
	dB(A)	67	70	73	75	76	78	79	80
700	Q (m³/h)	623	976	1463	1846	2122	2432	2777	3164
	t (degC)	97	83	74	71	70	69	68	68
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2955	2955	2975	2975	2970	2970	2970	2980
	Pa (kW)	21.0	28.1	37.9	45.9	51.7	58.5	66.1	75.0
	Pm (kW)	30	37	45	55	75	75	75	90
	Motor Frame	200LA	200LB	225M	250M	280S	280S	280S	280M
	dB(A)	68	71	74	76	77	78	80	81
800	Q (m³/h)	591	945	1431	1815	2090	2401	2745	3133
	t (degC)	117	97	87	83	81	79	79	78
	nB (rpm)	1250	1660	2225	2670	2990	3350	3750	4200
	nM (rpm)	2955	2955	2975	2975	2970	2970	2980	2980
	Pa (kW)	24.0	32.0	43.3	52.3	58.9	66.5	75.1	85.0
	Pm (kW)	30	37	55	75	75	75	90	110
	Motor Frame	200LA	200LB	250M	280S	280S	280S	280M	315S
	dB(A)	68	71	75	77	78	79	80	82
900	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								
1000	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								

p (mbar)	Size	EA200.T210							
300	Q (m³/h)	972	1446	2055	2462	2800	3179	3614	4087
	t (degC)	34	31	30	30	30	30	31	31
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2930	2930	2955	2955	2955	2955	2970	2975
	Pa (kW)	11.5	15.7	21.5	25.5	29.1	33.3	38.4	44.4
	Pm (kW)	15	18.5	30	30	37	37	45	55
	Motor Frame	160MB	160L	200LA	200LA	200LB	200LB	225M	250M
	dB(A)	<65	68	71	73	74	75.	77	78
400	Q (m³/h)	913	1387	1996	2403	2741	3120	3555	4028
	t (degC)	48	43	41	40	40	40	40	40
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2930	2955	2955	2955	2970	2975	2975	1480
	Pa (kW)	15.2	20.8	28.2	33.4	37.9	43.2	49.5	56.8
	Pm (kW)	18.5	30	37	37	45	55	55	75
	Motor Frame	160L	200LA	200LB	200LB	225M	250M	250M	280S
	dB(A)	65	69	72	74	75	76	78	79
500	Q (m³/h)	861	1335	1944	2350	2689	3068	3503	3976
	t (degC)	63	56	52	50	50	50	50	50
	nB (rpm)	1000	1350	1800	2100	2350	2950	2950	3300
	nM (rpm)	2930	2955	2970	2975	2975	1480	1480	1485
	Pa (kW)	19.0	25.9	35.0	41.3	46.8	53.1	60.6	69.2
	Pm (kW)	22	30	45	55	55	75	75	90
	Motor Frame	180M	200LA	225M	250M	250M	280S	280S	280M
	dB(A)	66	70	73	75	76	77	78	80
600	Q (m³/h)	814	1288	1897	2303	2642	3021	3454	3928
	t (degC)	80	69	63	61	60	60	60	60
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2955	2955	2975	2975	1480	1480	1485	1485
	Pa (kW)	22.8	30.9	41.8	49.2	55.6	62.9	71.7	81.6
	Pm (kW)	30	37	55	55	75	75	90	90
	Motor Frame	200LA	200LB	250M	250M	280S	280S	280M	280M
	dB(A)	67	70	74	75	77	78	79	80
700	Q (m³/h)	770	1244	1854	2260	2599	2978	3411	3885
	t (degC)	99	83	75	73	71	70	70	69
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2955	2970	2975	1480	1480	1485	1485	1485
	Pa (kW)	26.5	36.0	48.5	57.1	64.4	72.8	82.7	94.0
	Pm (kW)	30	45	55	75	75	90	110	110
	Motor Frame	200LA	225M	250M	280S	280S	280M	315S	315S
	dB(A)	68	71	74	76	77	79	80	81
800	Q (m³/h)	730	1204	1813	2220	2558	2937	3371	3845
	t (degC)	119	98	88	84	82	81	80	79
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2955	2975	1480	1480	1485	1485	1485	1485
	Pa (kW)	30.3	41.1	55.3	65.0	73.3	82.7	93.8	106.4
	Pm (kW)	37	55	75	75	90	110	110	132
	Motor Frame	200LB	250M	280S	280S	280M	315S	315S	315MA
	dB(A)	68	72	75	77	78	79	80	82
900	Q (m³/h)		1166	1776	2182	2520	2900	3333	3807
	t (degC)		114	100	96	94	92	90	90
	nB (rpm)		1350	1800	2100	2350	2630	2950	3300
	nM (rpm)		2975	1480	1485	1485	1485	1485	1485
	Pa (kW)		46.2	62.1	72.9	82.1	92.6	104.9	118.8
	Pm (kW)		55	75	90	110	110	132	132
	Motor Frame		250M	280S	280M	315S	315S	315MA	315MA
	dB(A)		72	75	77	79	80	81	82
1000	Q (m³/h)			1740	2146	2485	2864	3297	3771
	t (degC)			114	108	105	103	101	100
	nB (rpm)			1800	2100	2350	2630	2950	3300
	nM (rpm)			1485	1485	1485	1485	1485	1485
	Pa (kW)			68.8	80.8	90.9	102.5	116.0	131.2
	Pm (kW)			90	90	110	132	132	160
	Motor Frame			280M	280M	315S	315MA	315MA	315LA
	dB(A)			76	78	79	80	81	83

p (mbar)	Size	EA250.T208							
300	Q (m³/h)	1295	1927	2739	3280	3731	4237	4814	5446
	t (degC)	34	31	30	30	30	30	30	31
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2930	2955	2955	2970	2970	2975	1480	1480
	Pa (kW)	15.3	20.9	28.5	33.8	38.5	44.0	50.7	58.5
	Pm (kW)	18.5	30	37	45	45	55	75	75
	Motor Frame	160L	200LA	200LB	225M	225M	250M	280S	280S
	dB(A)	<65	68	71	73	74	75	77	78
400	Q (m³/h)	1216	1848	2660	3201	3652	4158	4735	5367
	t (degC)	48	43	40	40	40	39	40	40
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2955	2955	2970	2975	1480	1480	1480	1485
	Pa (kW)	20.3	27.7	37.5	44.4	50.3	57.2	65.5	75.0
	Pm (kW)	30	37	45	55	75	75	75	90
	Motor Frame	200LA	200LB	225M	250M	280S	280S	280S	280M
	dB(A)	65	69	72	74	75	76	77	79
500	Q (m³/h)	1147	1779	2591	3132	3583	4088	4666	5297
	t (degC)	63	56	52	50	50	49	49	50
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2955	2970	2975	1480	1480	1485	1485	1485
	Pa (kW)	25.3	34.4	46.5	54.9	62.1	70.4	80.2	91.6
	Pm (kW)	30	45	55	75	75	90	90	110
	Motor Frame	200LA	225M	250M	280S	280S	280M	280M	315S
	dB(A)	66	70	73	75	76	77	78	80
600	Q (m³/h)	1084	1716	2528	3069	3520	4026	4603	5235
	t (degC)	80	69	63	61	60	60	59	59
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2955	2975	1480	1480	1485	1485	1485	1485
	Pa (kW)	30.3	41.2	55.5	65.4	73.8	83.5	95.0	108.1
	Pm (kW)	37	55	75	75	90	110	110	132
	Motor Frame	200LB	250M	280S	280S	280M	315S	315S	315MA
	dB(A)	67	71	74	75	77	78	79	80
700	Q (m³/h)	1026	1658	2470	3011	3463	3968	4545	5177
	t (degC)	99	83	75	72	71	70	69	69
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2970	2975	1480	1485	1485	1485	1485	1485
	Pa (kW)	35.3	47.9	64.5	75.9	85.6	96.7	109.8	124.6
	Pm (kW)	45	55	75	90	110	110	132	160
	Motor Frame	225M	250M	280S	280M	315S	315S	315MA	315LA
	dB(A)	68	71	74	76	77	79	80	81
800	Q (m³/h)	973	1604	2416	2958	3409	3914	4492	5123
	t (degC)	119	98	87	84	82	81	80	79
	nB (rpm)	1000	1350	1800	2100	2350	2630	2950	3300
	nM (rpm)	2970	1480	1485	1485	1485	1485	1485	1485
	Pa (kW)	40.3	54.7	73.6	86.4	97.4	109.9	124.6	141.1
	Pm (kW)	45	75	90	110	110	132	160	160
	Motor Frame	225M	280S	280M	315S	315S	315MA	315LA	315LA
	dB(A)	68	72	75	77	78	79	81	82
900	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								
1000	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								

	Size	EA250.T310							
300 p (mbar)	Q (m³/h)	1554	2214	2941	3667	4195	4776	5436	6175
	t (degC)	35	32	31	30	30	31	31	31
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1470	1475	1480	1480	1480	1480	1480	1480
	Pa (kW)	19.1	25.0	31.8	38.9	44.4	50.8	58.4	67.6
	Pm (kW)	22	30	37	45	55	75	75	75
	Motor Frame	180L	200L	225S	225M	250M	280S	280S	280S
	dB(A)	<70	71	73	75	77	78	79	81
400 p (mbar)	Q (m³/h)	1448	2108	2834	3560	4088	4669	5329	6069
	t (degC)	50	45	42	41	41	41	41	41
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1475	1480	1480	1480	1480	1480	1485	1485
	Pa (kW)	25.3	33.0	41.8	51.0	58.0	65.9	75.4	86.7
	Pm (kW)	30	37	55	75	75	75	90	110
	Motor Frame	200L	225S	250M	280S	280S	280S	280M	315S
	dB(A)	<70	72	74	77	78	79	80	81
500 p (mbar)	Q (m³/h)	1353	2014	2740	3466	3994	4575	5235	5974
	t (degC)	67	59	54	52	51	51	51	51
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1480	1480	1480	1485	1485	1485	1485
	Pa (kW)	31.5	41.1	51.9	63.1	71.5	81.1	92.4	105.7
	Pm (kW)	37	55	75	75	90	90	110	132
	Motor Frame	225S	250M	280S	280S	280M	280M	315S	315MA
	dB(A)	70	73	75	77	78	80	81	82
600 p (mbar)	Q (m³/h)	1268	1929	2655	3381	3909	4490	5150	5889
	t (degC)	85	73	67	64	63	62	61	61
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1480	1480	1485	1485	1485	1485	1485
	Pa (kW)	37.7	49.2	62.0	75.2	85.1	96.3	109.4	124.8
	Pm (kW)	45	55	75	90	110	110	132	160
	Motor Frame	225M	250M	280S	280M	315S	315S	315MA	315LA
	dB(A)	70	74	76	78	80	81	82	83
700 p (mbar)	Q (m³/h)	1190	1850	2577	3303	3831	4412	5072	5811
	t (degC)	106	89	80	76	74	73	72	71
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1480	1485	1485	1485	1485	1485	1485
	Pa (kW)	44.0	57.2	72.1	87.3	98.7	111.5	126.4	143.8
	Pm (kW)	55	75	90	110	110	132	160	160
	Motor Frame	250M	280S	280M	315S	315S	315MA	315LA	315LA
	dB(A)	71	74	77	79	80	81	83	84
800 p (mbar)	Q (m³/h)		1778	2504	3230	3758	4339	4999	5738
	t (degC)		105	94	88	86	84	82	81
	nB (rpm)		1100	1375	1650	1850	2070	2320	2600
	nM (rpm)		1480	1485	1485	1485	1485	1485	1485
	Pa (kW)		65.3	82.2	99.4	112.2	126.6	143.4	162.9
	Pm (kW)		75	110	110	132	160	160	200
	Motor Frame		280S	315S	315S	315MA	315LA	315LA	315LB
	dB(A)		75	77	79	81	82	83	83
900 p (mbar)	Q (m³/h)			2435	3162	3690	4271	4931	5670
	t (degC)			109	101	98	95	93	92
	nB (rpm)			1375	1650	1850	2070	2320	2600
	nM (rpm)			1485	1485	1485	1485	1485	1485
	Pa (kW)			92.2	111.5	125.8	141.8	160.4	181.9
	Pm (kW)			110	132	160	160	200	200
	Motor Frame			315S	315MA	315LA	315LA	315LB	315LB
	dB(A)			78	80	81	83	84	85
1000 p (mbar)	Q (m³/h)				3097	3625	4206	4866	5605
	t (degC)				115	110	107	105	103
	nB (rpm)				1650	1850	2070	2320	2600
	nM (rpm)				1485	1485	1485	1485	1485
	Pa (kW)				123.6	139.3	157.0	177.4	201.0
	Pm (kW)				160	160	200	200	250
	Motor Frame				315LA	315LA	315LB	315LB	355MB
	dB(A)				80	82	83	84	85

	Size	EA300.T308							
300 p (mbar)	Q (m³/h)	2072	2953	3921	4889	5593	6368	7248	8234
	t (degC)	35	32	31	30	30	30	31	31
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1475	1480	1480	1480	1480	1480	1485	1485
	Pa (kW)	25.4	33.2	42.2	51.6	58.8	67.2	77.1	89.0
	Pm (kW)	30	37	55	75	75	75	90	110
	Motor Frame	200L	225S	250M	280S	280S	280S	280M	315S
	dB(A)	<75	<75	<75	75	77	78	79	81
400 p (mbar)	Q (m³/h)	1930	2810	3778	4747	5451	6225	7106	8091
	t (degC)	50	45	42	41	41	40	40	41
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1480	1480	1480	1485	1485	1485	1485
	Pa (kW)	33.7	44.0	55.6	67.8	76.9	79	99.8	114.4
	Pm (kW)	37	55	75	75	90	110	110	132
	Motor Frame	225S	250M	280S	280S	280M	315S	315S	315MA
	dB(A)	<75	<75	<75	76	78	79	80	82
500 p (mbar)	Q (m³/h)	1805	2685	3653	4621	5325	6100	6980	7966
	t (degC)	67	59	54	52	51	51	50	50
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1480	1485	1485	1485	1485	1485	1485
	Pa (kW)	42.0	54.7	69.1	83.9	95.0	107.6	122.5	139.8
	Pm (kW)	55	75	90	110	110	132	160	160
	Motor Frame	250M	280S	280M	315S	315S	315MA	315LA	315LA
	dB(A)	<75	<75	75	77	78	81	81	83
600 p (mbar)	Q (m³/h)	1691	2571	3540	4508	5212	5987	6867	7853
	t (degC)	85	73	67	64	62	61	61	60
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1480	1485	1485	1485	1485	1485	1485
	Pa (kW)	50.3	65.5	82.5	100.0	113.1	127.8	145.1	165.3
	Pm (kW)	75	75	110	110	132	160	160	200
	Motor Frame	280S	280S	315S	315S	315MA	315LA	315LA	315LB
	dB(A)	<75	<75	76	78	79	81	82	83
700 p (mbar)	Q (m³/h)	1587	2467	3435	4404	5108	5882	6762	7748
	t (degC)	106	89	80	76	74	72	71	71
	nB (rpm)	850	1100	1375	1650	1850	2070	2320	2600
	nM (rpm)	1480	1485	1485	1485	1485	1485	1485	1485
	Pa (kW)	58.6	76.2	95.9	116.1	131.2	148.1	167.8	190.7
	Pm (kW)	75	90	110	132	160	200	200	220
	Motor Frame	280S	280M	315S	315MA	315LA	315LB	315LB	315LC
	dB(A)	<75	<75	77	79	80	82	83	84
800 p (mbar)	Q (m³/h)		2370	3338	4306	5011	5785	6665	7651
	t (degC)		105	94	88	86	84	82	81
	nB (rpm)		1100	1375	1650	1850	2070	2320	2600
	nM (rpm)		1485	1485	1485	1485	1485	1485	1485
	Pa (kW)		87.0	109.4	132.3	149.2	168.3	190.5	216.1
	Pm (kW)		110	132	160	200	200	220	250
	Motor Frame		315S	315MA	315LA	315LB	315LB	315LC	355MB
	dB(A)		75	77	80	81	82	83	85
900 p (mbar)	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								
1000 p (mbar)	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								

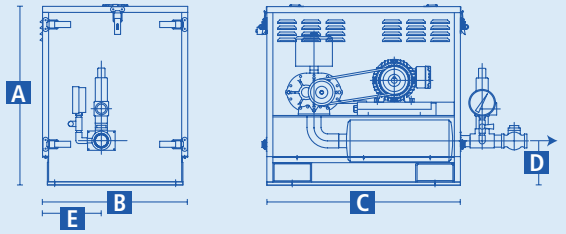
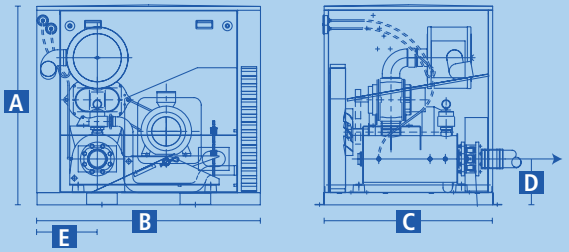
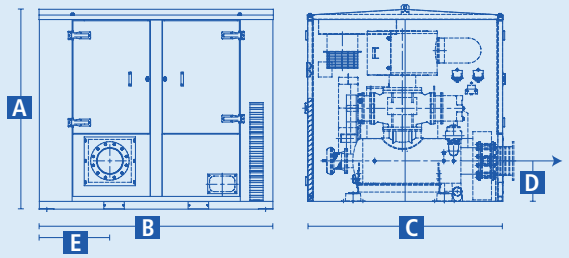
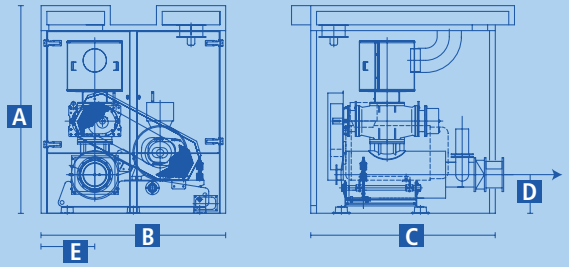
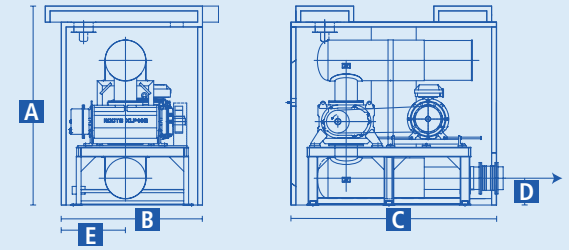
	Size	PR300.T410							
300 p (mbar)	Q (m³/h)	2804	3965	5185	6404	7305	8263	9396	10644
	t (degC)	33	31	30	30	30	30	30	31
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1480	1480	1480	1480	1485	1485	1485	1485
	Pa (kW)	32.0	42.4	53.8	65.9	75.2	85.6	98.7	114.1
	Pm (kW)	37	55	75	75	90	110	110	132
	Motor Frame	225S	250M	280S	280S	280M	315S	315S	315MA
	dB(A)	<75	<75	75	75	77	78.0	80	81
400 p (mbar)	Q (m³/h)	2653	3815	5035	6254	7154	8113	9245	10494
	t (degC)	46	42	40	40	39	39	40	40
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1480	1480	1485	1485	1485	1485	1485	1485
	Pa (kW)	42.5	56.1	70.9	86.3	98.2	111.3	127.5	146.4
	Pm (kW)	55	75	90	110	110	132	160	200
	Motor Frame	250M	280S	280M	315S	315S	315MA	315LA	315LB
	dB(A)	<75	72	74	77	78	79	80	82
500 p (mbar)	Q (m³/h)	2521	3682	4902	6122	7022	7980	9113	10361
	t (degC)	60	54	52	50	50	49	49	49
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1480	1485	1485	1485	1485	1485	1485	1485
	Pa (kW)	53.0	69.8	88.0	106.8	121.1	136.9	156.2	178.6
	Pm (kW)	75	90	110	132	160	160	200	200
	Motor Frame	280S	280M	315S	315MA	315LA	315LA	315LB	315LB
	dB(A)	<75	<75	75	77	78	80	82	84
600 p (mbar)	Q (m³/h)	2401	3563	4782	6002	6902	7861	8993	10242
	t (degC)	76	67	63	61	60	59	59	59
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1480	1485	1485	1485	1485	1485	1485	1485
	Pa (kW)	63.5	83.5	105.1	127.3	144.1	162.5	185.0	210.8
	Pm (kW)	75	110	132	160	160	200	220	250
	Motor Frame	280S	315S	315MA	315LA	315LA	315LB	315LC	355MB
	dB(A)	70	73	76	78	79	81	82	84
700 p (mbar)	Q (m³/h)	2291	3453	4672	5892	6792	7750	8883	10132
	t (degC)	93	81	75	72	71	70	69	69
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1485	1485	1485	1485	1485	1485	1485	1489
	Pa (kW)	73.9	97.2	122.2	147.7	167.1	188.1	213.8	243.1
	Pm (kW)	90	110	160	200	200	220	250	315
	Motor Frame	280M	315S	315LA	315LB	315LB	315LC	355MB	355LB
	dB(A)	71	74	75	79	80	82	83	84
800 p (mbar)	Q (m³/h)	2189	3350	4570	5789	6690	7648	8781	10029
	t (degC)	111	95	87	83	82	80	79	79
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1485	1485	1485	1485	1485	1485	1489	1489
	Pa (kW)	84.4	110.9	139.3	168.2	190.0	213.8	242.5	275.3
	Pm (kW)	110	132	160	200	220	250	315	315
	Motor Frame	315S	315MA	315LA	315LB	315LC	355MB	355LB	355LB
	dB(A)	<75	75	77	79	81	82	83	85
900 p (mbar)	Q (m³/h)		3254	4474	5693	6593	7552	8684	9933
	t (degC)		110	100	95	93	91	90	89
	nB (rpm)		850	1060	1270	1425	1590	1785	2000
	nM (rpm)		1485	1485	1485	1485	1489	1489	1489
	Pa (kW)		124.6	156.4	188.7	213.0	239.4	271.3	307.5
	Pm (kW)		160	200	220	250	315	315	355
	Motor Frame		315LA	315LB	315LC	355MB	355LB	355LB	355LC
	dB(A)		75	78	80	81	83	84	85
1000 p (mbar)	Q (m³/h)			4383	5602	6502	7461	8593	9842
	t (degC)			114	107	104	102	100	99
	nB (rpm)			1060	1270	1425	1590	1785	2000
	nM (rpm)			1485	1485	1489	1489	1489	1490
	Pa (kW)			173.4	209.2	236.0	265.0	300.1	339.8
	Pm (kW)			200	250	315	315	355	400
	Motor Frame			315LB	355MB	355LB	355LB	355LC	355LD
	dB(A)			78	80	82	83	84	86

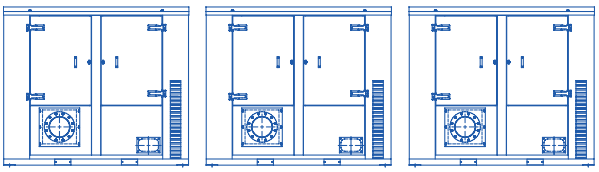
	Size	PR350.T408							
300 p (mbar)	Q (m³/h)	3738	5286	6913	8539	9739	11016	12526	14191
	t (degC)	33	31	30	29	29	29	30	30
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1480	1480	1485	1485	1485	1485	1485	1485
	Pa (kW)	42.6	56.3	71.2	86.8	98.8	112.2	128.8	148.2
	Pm (kW)	55	75	90	110	110	132	160	200
	Motor Frame	250M	280S	280M	315S	315S	315MA	315LA	315LB
	dB(A)	<75	<75	<75	76	77	78	79	81
400 p (mbar)	Q (m³/h)	3537	5086	6712	8338	9538	10816	12326	13991
	t (degC)	46	42	40	39	39	39	39	39
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1480	1485	1485	1485	1485	1485	1485	1485
	Pa (kW)	56.5	74.5	94.0	114.1	129.4	146.3	167.1	191.2
	Pm (kW)	75	90	110	132	160	200	200	220
	Motor Frame	280S	280M	315S	315MA	315LA	315LB	315LB	315LC
	dB(A)	<75	<75	<75	76	78	79	81	82
500 p (mbar)	Q (m³/h)	3361	4910	6536	8162	9362	10640	12149	13814
	t (degC)	60	54	51	50	49	49	49	49
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1485	1485	1485	1485	1485	1485	1485	1489
	Pa (kW)	70.5	92.8	116.8	141.4	160.1	180.5	205.5	234.1
	Pm (kW)	90	110	132	160	200	200	250	315
	Motor Frame	280M	315S	315MA	315LA	315LB	315LB	355MB	355LB
	dB(A)	<75	<75	75	77	79	80	81	82
600 p (mbar)	Q (m³/h)	3201	4750	6376	8002	9202	10480	11990	13655
	t (degC)	76	67	63	61	59	59	58	58
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1485	1485	1485	1485	1485	1485	1489	1489
	Pa (kW)	84.5	111.1	139.5	168.7	190.7	214.7	243.8	277.1
	Pm (kW)	110	132	160	200	220	250	315	315
	Motor Frame	315S	315MA	315LA	315LB	315LC	355MB	355LB	355LB
	dB(A)	<75	<75	76	78	79	80	82	83
700 p (mbar)	Q (m³/h)	3055	4603	6229	7855	9056	10333	11843	13508
	t (degC)	93	81	75	72	70	69	68	68
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1485	1485	1485	1485	1485	1489	1489	1489
	Pa (kW)	98.4	129.3	162.3	196.0	221.3	248.8	282.2	320.1
	Pm (kW)	110	160	200	220	250	315	315	355
	Motor Frame	315S	315LA	315LB	315LC	355MB	355LB	355LB	355LC
	dB(A)	<75	<75	77	79	80	81	83	84
800 p (mbar)	Q (m³/h)	2918	4467	6093	7719	8919	10197	11707	13371
	t (degC)	111	95	87	83	81	80	79	78
	nB (rpm)	650	850	1060	1270	1425	1590	1785	2000
	nM (rpm)	1485	1485	1485	1485	1489	1489	1489	1490
	Pa (kW)	112.4	147.6	185.1	223.3	251.9	283.0	320.5	363.1
	Pm (kW)	132	200	220	250	315	315	355	400
	Motor Frame	315MA	315LB	315LC	355MB	355LB	355LB	355LC	355LD
	dB(A)	<75	75	77	80	81	82	83	85
900 p (mbar)	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								
1000 p (mbar)	Q (m³/h)								
	t (degC)								
	nB (rpm)								
	nM (rpm)								
	Pa (kW)								
	Pm (kW)								
	Motor Frame								
	dB(A)								

For 315 kW motor and above please refer to sales office for dimensions and details.

Product Dimensions

All dimensions in mm

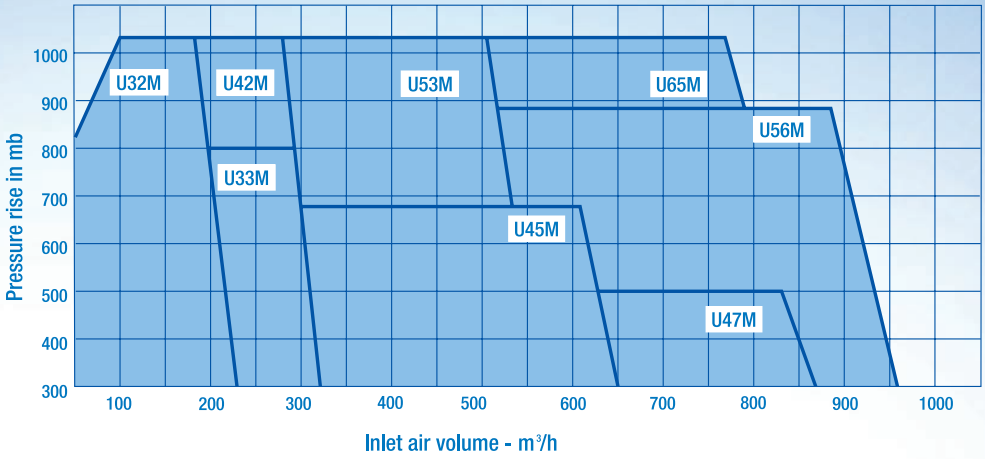
		MODEL	A	B	C	D	E	DISCHARGE Ø NB
SRB		SR50.U32M	950	950	1100	200	345	50
		SR50.U33M	950	950	1100	200	355	50
		SR50.U42M	950	950	1100	200	380	50
EasyAir™ 8000		EA65.U45M	1095	1375	1000	260	395	65
		EA80.U47M	1295	1460	1100	300	395	80
		EA65.U53M	1095	1375	1000	260	395	65
		EA100.U56M	1295	1460	1100	300	395	100
		EA100.U59M	1295	1460	1100	300	395	100
		EA100.U65M	1295	1460	1100	300	430	100
		EA125.TN10	1720	2050	1600	440	580	125
		EA150.TN08	1720	2050	1600	440	580	150
		EA150.T110	1933	2143	1858	440	580	150
		EA200.T108	1933	2143	1858	440	580	200
		EA200.T210	2050	2403	2008	495	725	200
		EA250.T208	2050	2403	2008	495	725	250
		EA250.T310	2700	2400	2400	510	700	250
		EA300.T308	2700	2400	2400	510	700	300
PRIME™		PR300.T410	3100	2200	3200	420	1000	300
		PR350.T408	3100	2200	3200	420	1000	350



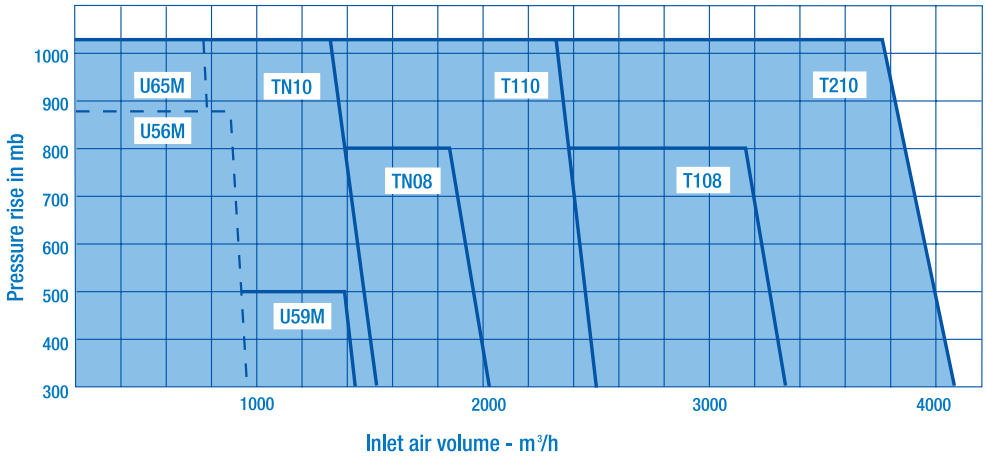
EasyAir™ 8000 packages can be installed side by side with minimal clearance.

Pressure Performance Guide Maps

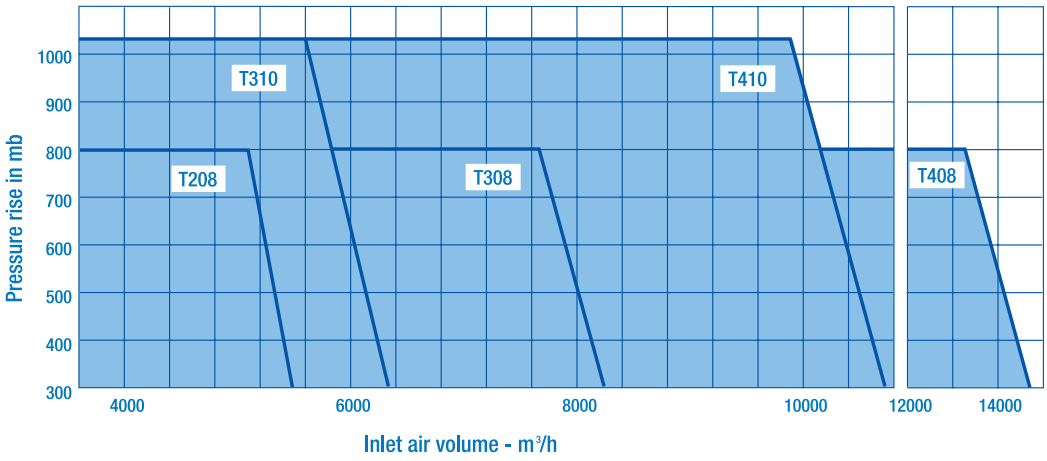
Low Flow Range



Mid Flow Range



High Flow Range



This performance map is to be used as a guide only. For computer selection, vacuum duties, performance curves and duties outside the parameters indicated, please apply to the sales department or local distributor.

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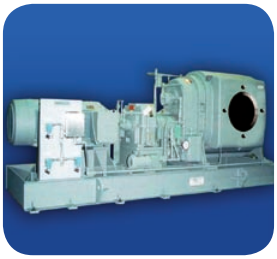

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