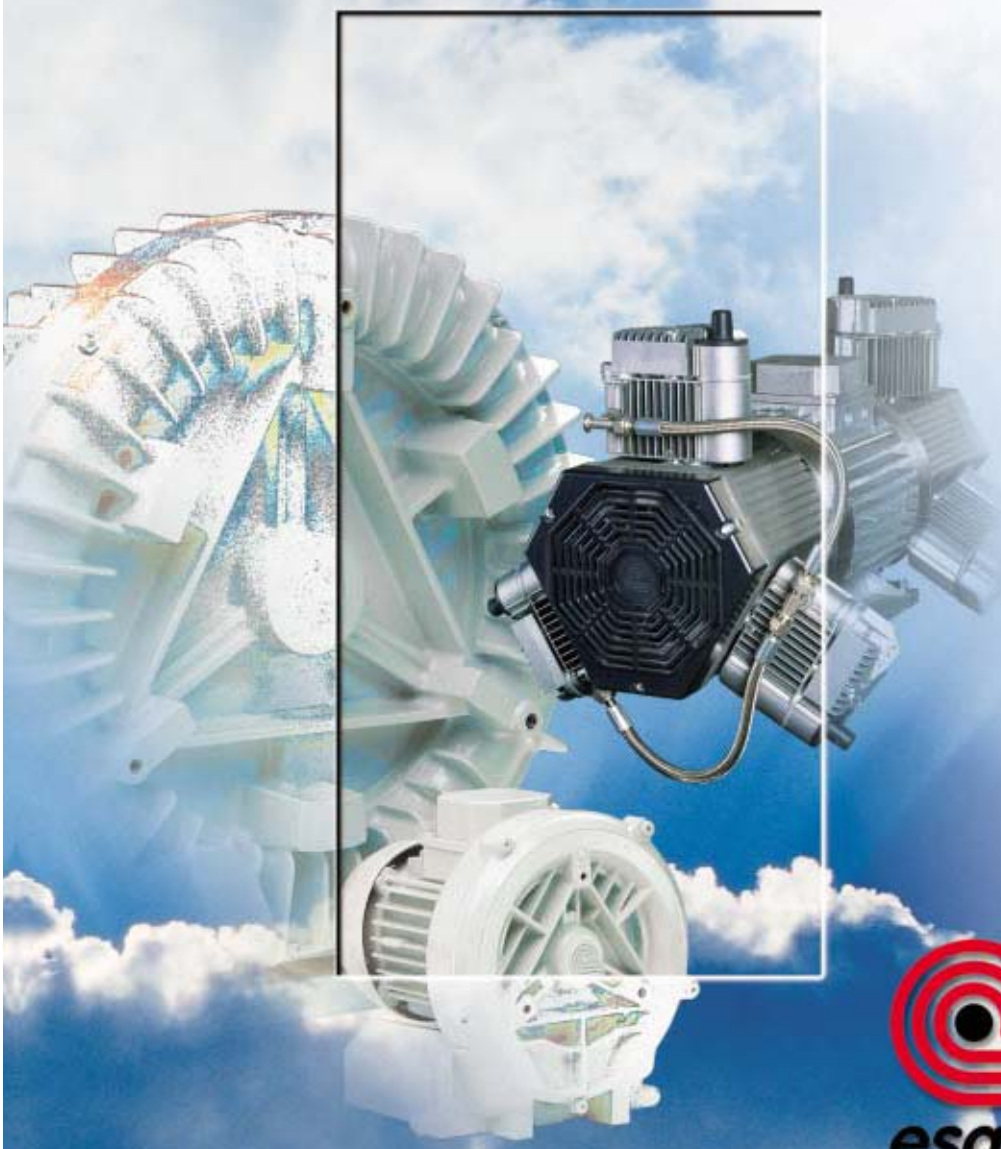
AIR TECHNOLOGY



esam

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From the beginning, the Esam manufacturing programme has been one of continuous improvement. Considerable technological advances have been achieved and the Esam philosophy "BETTER BY DESIGN" has been behind the product and its range of accessories for the last thirty years.
This continuous programme of new product design linked to production advances has enabled Esam to meet the ever increasing demands of modern day business.

Esam is firmly convinced that minimum cost of ownership is of paramount importance. This is achieved by :

- *Using the latest technology in design, manufacturing and testing to achieve maximum performance with minimum energy input.*
- *Operating a formal quality system to ISO 9002.*
- *Continuously monitoring prices.*

Never compromising on performance and price.

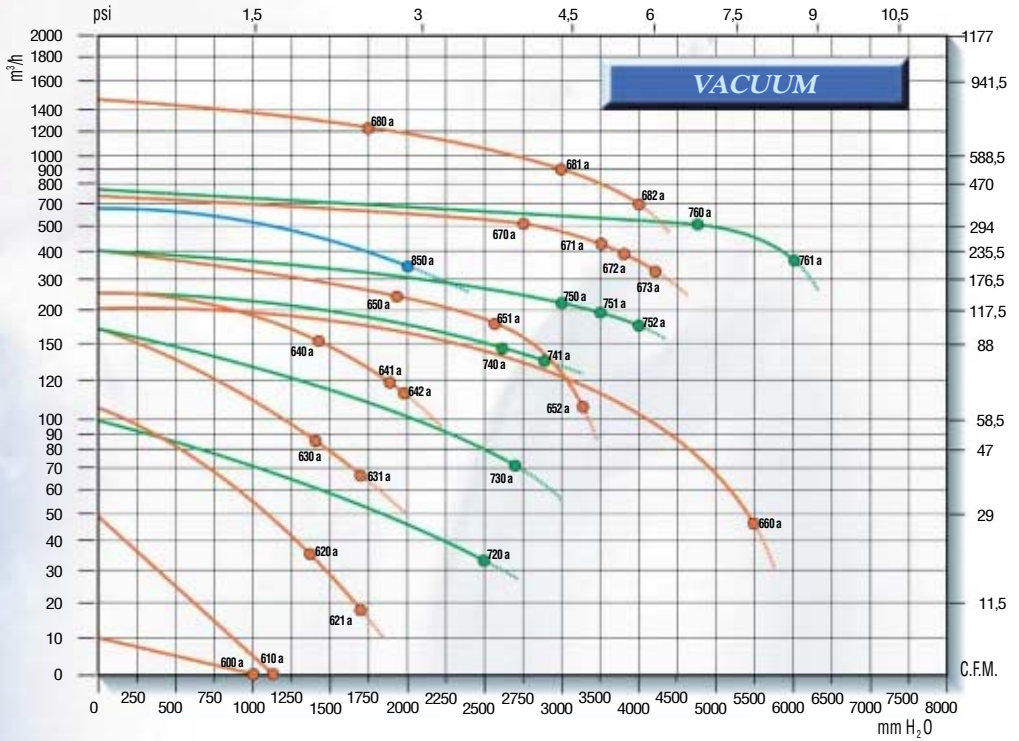
HOW IT WORKS

An impeller directly coupled to the extended shaft of an electric motor has a large number of short radial blades that are enclosed in a die cast aluminium casing. This casing forms the side channel radially above and axially to the sides of the impeller blades. On the base of the casing, the side channel is sealed between the inlet and discharge ports.

SIDE CHANNEL BLOWERS
ASPIRATORS

When the impeller rotates, the air between the blades is radially and circumferentially accelerated and forced into the side channel where it is compressed and forced backwards towards the impeller blades where it is again radially and circumferentially accelerated. The air is transported along a spiral path through the impeller and the side channel until it reaches the discharge port.

The unit has only one moving part; a carefully balanced rotating impeller. There is no contact between the impeller and the housing thus eliminating abrasion and wear. The unit is completely oil free and the suction and discharge ports have built in silencers that reduce noise levels to a minimum.


VACUUM
psi
1,5
3
4,5
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7,5
9
10,5
m³/h
2000
1800
1600
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1200
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900
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1177
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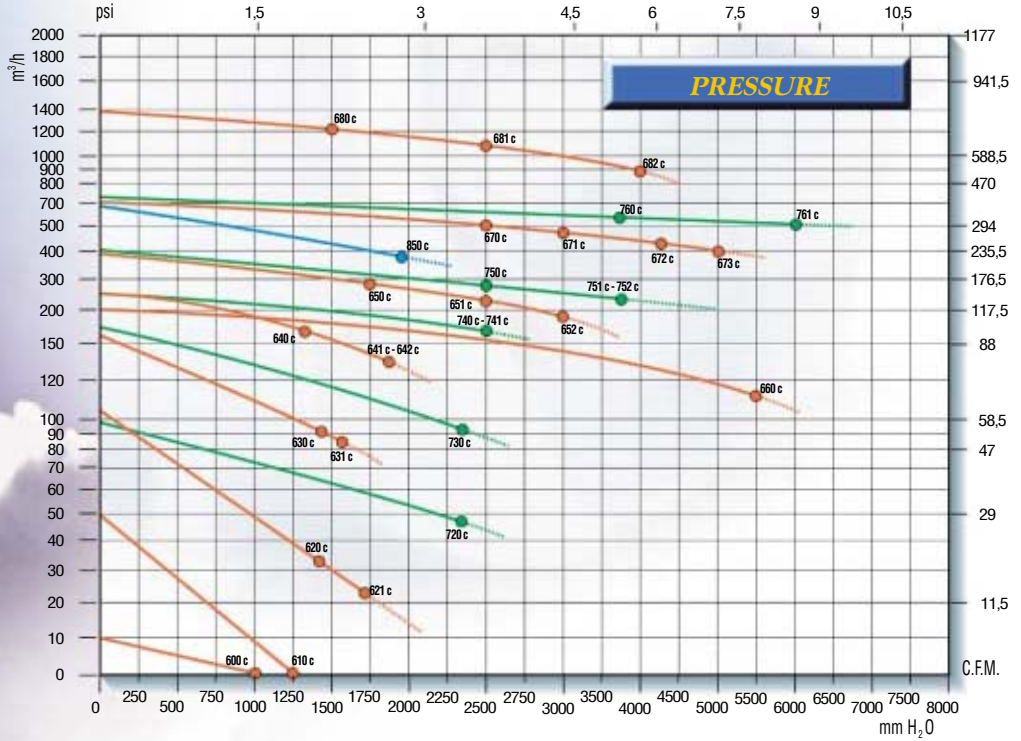
7500
8000
mm H2O


PRESSURE
psi
1,5
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4,5
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7,5
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10,5
m³/h
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1800
1600
1400
1200
1000
900
800
700
600
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C.F.M.
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760 c
761 c
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672 c
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850 c
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751 c - 752 c
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740 c - 741 c
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6500
7000
7500
8000
mm H2O

50 Hz

CURVE N°	Item	Description	50 Hz Three phase electric motor		A		dB (A)*	kg
			kW	V Δ / Y	Δ	Y		
110a-110c	014034	UNI JET 40 SP	0.2	230/400	1.3	0.75	57	7
120a-120c	015070	UNI JET 75 T1	0.4	180-230/290-400	2.75	1.6	58	10
120a-120c	015071	UNI JET 75 T2	0.4	220-270/380-465	2.4	1.4	58	10
120a-120c	015072	UNI JET 75 T3	0.4	260-310/450-535	1.8	1	58	10
130a-130c	046906	TECNO JET T1	0.75	185-225/320-390	4.3	2.5	64	18
130a-130c	046907	TECNO JET T2	0.75	220-270/380-465	3.4	1.95	64	18
140a-140c	049100	FLUX JET 80	1.1	230/400	5	2.9	68	19
142a-142c	048111	FLUX JET	1.5	230/400	6.4	3.7	68	21
151a-151c	061502	MEDIO JET	2.2	230/400	9	5.2	72	30
151a-151c	061528	MEDIO JET	2.2	380/660	5.2	3	72	30
151a-151c	061533	MEDIO JET	2.2	290/500	6.4	3.7	72	30
152a-152c	061503	MEDIO JET	3	230/400	11,8	6,8	72	32
153a-153c	061597	MEDIO JET LHT	4	230/400	15.6	9	76	44
160a-160c	056500	UNI JET 160	4	230/400	15.6	9	78	62
170a-170c	080006	UNI JET 500	7.5	400/690	15	8.7	78	88
171a-171c	080009	UNI JET 500	9.0	400/690	19	11	78	102
172a-172c	080011	UNI JET 500	11	400/690	22.5	13	78	104
173a-173c	080016	UNI JET 500	13.7	400/690	27	15.6	78	112
180a-180c	083009	UNI JET 1000	11	400/690	22	12.7	78	134
181a-181c	083012	UNI JET 1000	15	400/690	31.2	18	78	155
182a-182c	083016	UNI JET 1000	20	400/690	40.6	23.5	78	205
220a-220c	019130	UNI JET 75 2V	0.75	230/400	3.4	1.95	64	16
230a-230c	046950	TECNO JET 2V	1.5	230/400	6	3.5	65	25
231a-231c	046952	TECNO JET 2V LHT	1.5	230/400	6	3.5	65	25
240a-240c	048150	FLUX JET 2V	2.2	230/400	9	5.2	72	31
241a-241c	048161	FLUX JET 2V LHT	2.2	230/400	9	5.2	72	31
250a-250c	091610	MEDIO JET 2V	4	230/400	15.6	9	74	56
250a-250c	091611	MEDIO JET 2V	4	380/660	9	5.2	74	56
251a-251c	091621	MEDIO JET 2V	5.5	230/400	20	11.6	74	60
251a-251c	091623	MEDIO JET 2V	5.5	400/690	11.6	6.7	74	60
252a-252c	091624	MEDIO JET 2V LHT	5.5	220-240/380-415	20	11.6	74	60
260a-260c	080150	UNI JET 500 2V	13.7	400/690	26	15	80	154
261a-261c	080160	UNI JET 500 2V	20	400/690	40.6	23.5	80	207
262a-262c	083150	UNI JET 1000 2V	20	400/690	40.6	23.5	80	240
350a-350c	091950	MEDIO JET 1AC	4	230/400	15.6	9	74	56
350a-350c	091945	MEDIO JET 1AC	4	380/660	9	5.2	74	56
351a-351c	091951	MEDIO JET 1AC	5.5	230/400	20	11.6	74	59
351a-351c	091952	MEDIO JET 1AC	5.5	380/660	11.6	6.7	74	59

CURVE N°	Item	Description	50 Hz Single phase electric motor			dB (A)*	kg
			kW	V	A		
100a-100c	011700	MICRO JET	0.1	230	0.8	57	7
110a-110c	014027	UNI JET 40 SP	0.2	230	1.7	57	7
120a-120c	015025	UNI-JET 75	0.4	230	3.1	58	10
130a-130c	046904	TECNO JET	0.75	220	5.5	64	18
130a-130c	046890	TECNO JET	0.75	230	5.5	64	18
130a-130c	046905	TECNO JET	0.75	240	5.4	64	18
130a-130c	046896	TECNO JET	0.75	110	11.5	64	18
141a-141c	048137	FLUX JET	1.1	230	7.6	71	21
142a-142c	048139	FLUX JET	1.5	230	9.5	71	21
220a-220c	019120	UNI JET 75 2V	0.7	230	4.8	64	16

Special voltages available on request

Maximum vacuum / pressure for continuous duty

VALUES AND DATA

The pressure and flow rates have a tolerance of ± 10%.
The vacuum curves are valid for pumping air, with a temperature of 20°C at the inlet flange and with a pressure of 1013 mbar at the discharge port.
The pressure curves are valid for pumping air, with an average temperature of 20 °C, a density of 1,23 kG/m³ and 1013mbar at the inlet flange.
All catalogue data is intended as an indication of product specification. Due to our programme of continuous improvements, unless exceptional agreements are confirmed in writing, we reserve the right to change pictorial, performance and dimensional data without prior notice.
Sound-pressure data in accordance to ISO 3746-1979 (E) norms. Parameters: r=1 - Background noise ≤ 51 dB (A) - Instrument used: Brüel & Kjær.

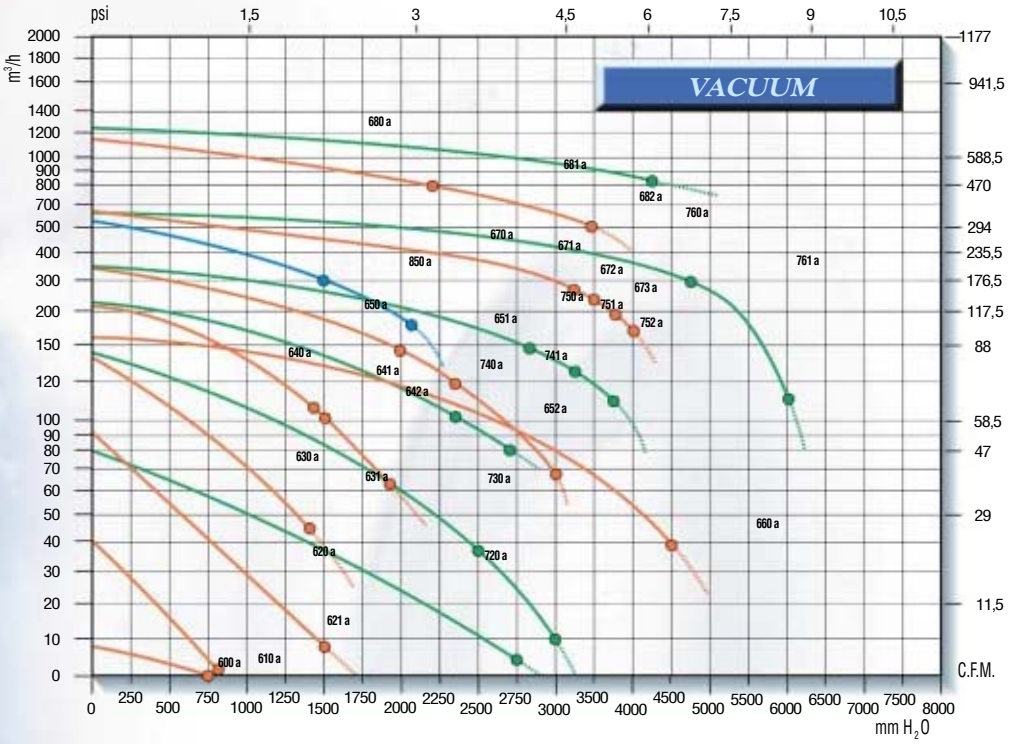
QUALITY OF CONSTRUCTION

All Esam units are manufactured in die-cast aluminium alloy, which ensures a consistent high quality and productivity. Production costs are minimised due to modular construction.

Standard models are directly coupled to electric motors which are of our manufacture. Standard motors are two pole, totally enclosed air cooled, continuous duty rated, IP54 protected, insulation class F, and meet the CEI 2/3 1988 specification.

MEDIUM OF AIR

The standard side channel blowers / aspirators are designed to handle clean air up to a maximum of 40 °C. Specialised units are available on request for aggressive, flammable or explosive gases. We will be happy to supply special units made to individual specification. Many customers have approached Esam with problems that we have been able to solve and the invitation is extended to you.


VACUUM
psi
1,5
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4,5
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7,5
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10,5
m³/h
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C.F.M.
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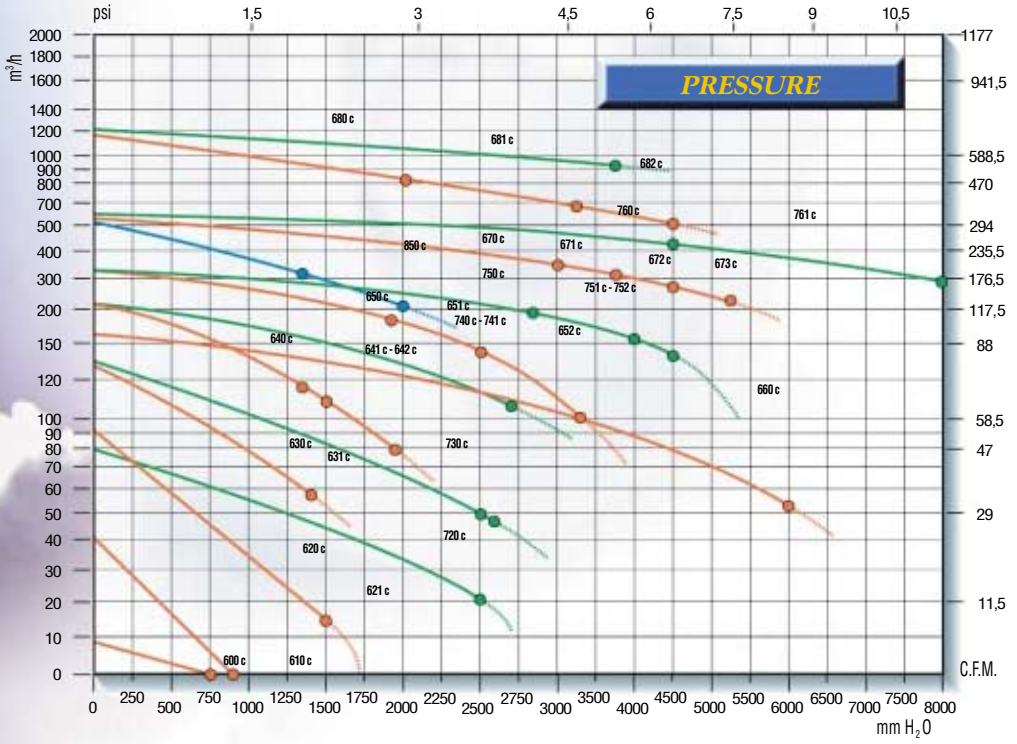
mm H2O


PRESSURE
psi
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C.F.M.
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761 c
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740 c - 741 c
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641 c - 642 c
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3500
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4500
5000
5500
6000
6500
7000
7500
8000
mm H2O

60 Hz

CURVE N°	Item	Description	60 Hz Three phase electric motor		A		dB (A)*	kg
			kW	V Δ / Y	Δ	Y		
610a-610c	014034	UNI-JET 40 SP	0.25	265/460	1.3	0.75	60	7
621a-621c	015070	UNI-JET 75 T1	0.5	190-260/340-450	2.75	1.6	61	10
621a-621c	015071	UNI JET 75 T2	0.5	250-310/440-530	2.4	1.4	61	10
621a-621c	015072	UNI-JET 75 T3	0.5	300-350/520-610	1.8	1	61	10
630a-630c	046906	TECNO-JET T1	0.9	200-240/345-415	4.3	2.5	66	18
630a-630c	046907	TECNO-JET T2	0.9	240-290/415-500	3.4	1.95	66	18
640a-640c	049100	FLUX-JET 80	1.3	265/460	5	2.9	71	19
642a-642c	048111	FLUX-JET	1.75	265/460	6.4	3.7	71	21
650a-650c	061502	MEDIO-JET	2.6	265/460	9	5.2	75	30
651a-651c	061503	MEDIO-JET	3.5	265/460	11.4	6.6	75	32
652a-652c	061597	MEDIO-JET LHT	4.6	265/460	15.3	8.8	79	44
660a-660c	056500	UNI JET 160	4.6	265/460	15,3	8.8	79	62
670a-670c	080006	UNI-JET 500	8.6	460/795	14.3	8.3	80	88
671a-671c	080009	UNI-JET 500	10.4	460/795	17.6	10.2	80	102
672a-672c	080011	UNI-JET 500	12.6	460/795	22	12.7	80	104
673a-673c	080016	UNI-JET 500	15.5	460/795	27	15.6	80	112
680a-680c	083009	UNI-JET 1000	12.6	460/795	21.8	12,6	80	134
681a-681c	083012	UNI-JET 1000	17.3	460/795	29.5	17	80	155
682a-682c	083016	UNI-JET 1000	25.2	460/795	41.5	24	80	205
720a-720c	019130	UNI-JET 75 2V	0.9	265/460	3.4	1.95	68	16
730a-730c	046950	TECNO-JET 2V	1.75	265/460	6	3.5	68	25
730a-730c	046952	TECNO-JET 2V LHT	1.75	265/460	6	3.5	68	25
740a-740c	048150	FLUX-JET 2V	2.6	265/460	9	5.2	75	31
741a-741c	048161	FLUX-JET 2V LHT	2.6	265/460	9	5.2	75	31
750a-750c	091610	MEDIO-JET 2V	4.6	265/460	15.3	8.8	78	56
751a-751c	091621	MEDIO-JET 2V	6.3	265/460	19.6	11.3	78	60
751a-751c	091623	MEDIO-JET 2V	6.3	460/795	11.6	6,7	78	60
752a-752c	091624	MEDIO-JET 2V LHT	6.3	265/460	19.6	11.3	78	60
760a-760c	080150	UNI-JET 500 2V	15.5	460/795	27	15.6	80	154
761a-761c	080160	UNI-JET 500 2V	25.2	460/795	39.8	23	80	207
850a-850c	091951	MEDIO-JET 1AC	6.3	265/460	20	11.6	78	59

CURVE N°	Item	Description	60 Hz Single phase electric motor			dB (A)*	kg
			kW	V	A		
600a-600c	011703	MICRO-JET	0.12	110	1.7	58	7
600a-600c	011705	MICRO-JET	0.12	220	0.8	58	7
610a-610c	014016	UNI-JET 40 SP	0.25	110	4	60	7
610a-610c	014037	UNI-JET 40 SP	0.25	220	2	60	7
620a-620c	015018	UNI-JET 75	0.5	220	3.5	61	10
620a-620c	015030	UNI-JET 75	0.5	110	7	61	10
631a-631c	046939	TECNO-JET	1.1	220	8.7	66	18
631a-631c	046925	TECNO-JET	1.1	110	17.4	66	18
641a-641c	048209	FLUX-JET	1.5	110	23	71	23
641a-641c	048116	FLUX-JET	1.5	220	10.8	71	21

Special voltages available on request

Maximum vacuum / pressure for continuous duty

VALUES AND DATA

The pressure and flow rates have a tolerance of ± 10%.
The vacuum curves are valid for pumping air, with a temperature of 20 °C at the inlet flange and with a pressure of 1013 mbar at the discharge port.
The pressure curves are valid for pumping air, with an average temperature of 20 °C, a density of 1,23 kG/m³ and 1013 mbar at the inlet flange.
All catalogue data is intended as an indication of product specification. Due to our programme of continuous improvements, unless exceptional agreements are confirmed in writing, we reserve the right to change pictorial, performance and dimensional data without prior notice.
Sound-pressure data in accordance to ISO 3746-1979 (E) norms.
Parameters: r=1 - Background noise ≤ 51 dB (A) - Instrument used: Brüel & Kjær.

QUALITY OF CONSTRUCTION

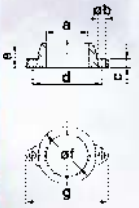
All Esam units are manufactured in die-cast aluminium alloy, which ensures a consistent high quality and productivity. Production costs are minimised due to modular construction.

Standard models are directly coupled to electric motors which are of our manufacture. Standard motors are two pole, totally enclosed air cooled, continuous duty rated, IP54 protected, insulation class F, and meet the CEI 2/3 1988 specification.

MEDIUM OF AIR

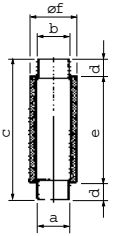
The standard side channel blowers / aspirators are designed to handle clean air up to a maximum of 40°C. Specialised units are available on request for aggressive, flammable or explosive gases. We will be happy to supply special units made to individual specification. Many customers have approached Esam with problems that we have been able to solve and the invitation is extended to you.

THREADED FLANGE KIT with screws and gasket



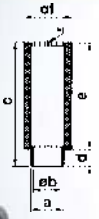
Suitable for	Item	a	b	c	d	e	f	g
UNI-JET 40	169752	1"	6	8	54	25	52	74
UNI-JET 75	169750	1 1/4"	6,5	8	64	23	54	76
FLUX-JET	169770	1 1/2"	8,5	8	83	23	62	98
	169751	2"	8,5	8	83	23	72	98
MEDIO-JET	169751	2"	8,5	8	83	23	72	98
UNI-JET 75 2V	169750	1 1/4"	6,5	8	64	23	54	76
FLUX-JET 2V	169770	1 1/2"	8,5	8	83	23	62	98
	169751	2"	8,5	8	83	23	72	98
MEDIO-JET 2V	169751	2"	8,5	8	83	23	72	98
MEDIO-JET 1AC	169751	2"	8,5	8	83	23	72	98

DOUBLE ENDED SUPPLEMENTARY SILENCER



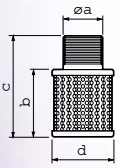
Suitable for	Item	a	b	c	d	e	f
UNI-JET 75	169374	1 1/4"	1 1/4"	240	52	136	70
TECNO-JET	169375	1 1/2"	1 1/2"	233	32	169	80
FLUX-JET	169375	1 1/2"	1 1/2"	233	32	169	80
MEDIO-JET	169373	2"	2"	260	32	196	90
UNI-JET 75 2V	169374	1 1/4"	1 1/4"	240	52	136	70
TECNO-JET 2V	169375	1 1/2"	1 1/2"	233	32	169	80
FLUX-JET 2V	169375	1 1/2"	1 1/2"	233	32	169	80
MEDIO-JET 2V	169373	2"	2"	260	32	196	90
UNI-JET 500	169376	2 1/2"	2 1/2"	262	32	198	100
UNI-JET 1000	169377	4"	4"	570	40	400	152

ONE ENDED SUPPLEMENTARY SILENCER



Suitable for	Item	a	b	c	d	e	f	Net
UNI-JET 75	169369	1 1/4"	37	190	52	138	70	
TECNO-JET	169370	1 1/2"	42	200	32	168	80	
FLUX-JET	169370	1 1/2"	42	200	32	168	80	
MEDIO-JET	169371	2"	53	230	32	198	90	
	169372	2"	53	230	32	198	90	*
UNI-JET 75 2V	169369	1 1/4"	37	190	52	138	70	
TECNO-JET 2V	169370	1 1/2"	42	200	32	168	80	
FLUX-JET 2V	169370	1 1/2"	42	200	32	168	80	
MEDIO-JET 2V	169371	2"	53	230	32	198	90	
	169372	2"	53	230	32	198	90	*
	169368	3"	80	435	85	350	152	*

INLET FILTER

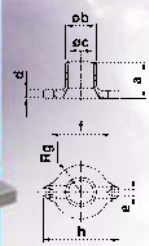


Suitable for	Item	a	b	c	d
MICRO-JET	168551	1/4"	52	66	43
UNI-JET 40	168554	1"	62	82	69
UNI-JET 75	168550	1 1/4"	62	113	69
TECNO-JET	168553	1 1/2"	81	113	80
FLUX-JET	168553	1 1/2"	81	113	80
	168555	2"	134	164	89
MEDIO-JET	168555	2"	134	164	89
UNI-JET 75 2V	168550	1 1/4"	62	113	69
TECNO-JET 2V	168553	1 1/2"	81	113	80
FLUX-JET 2V	168553	1 1/2"	81	113	80
	168555	2"	134	164	89
MEDIO-JET 2V	168555	2"	134	164	89

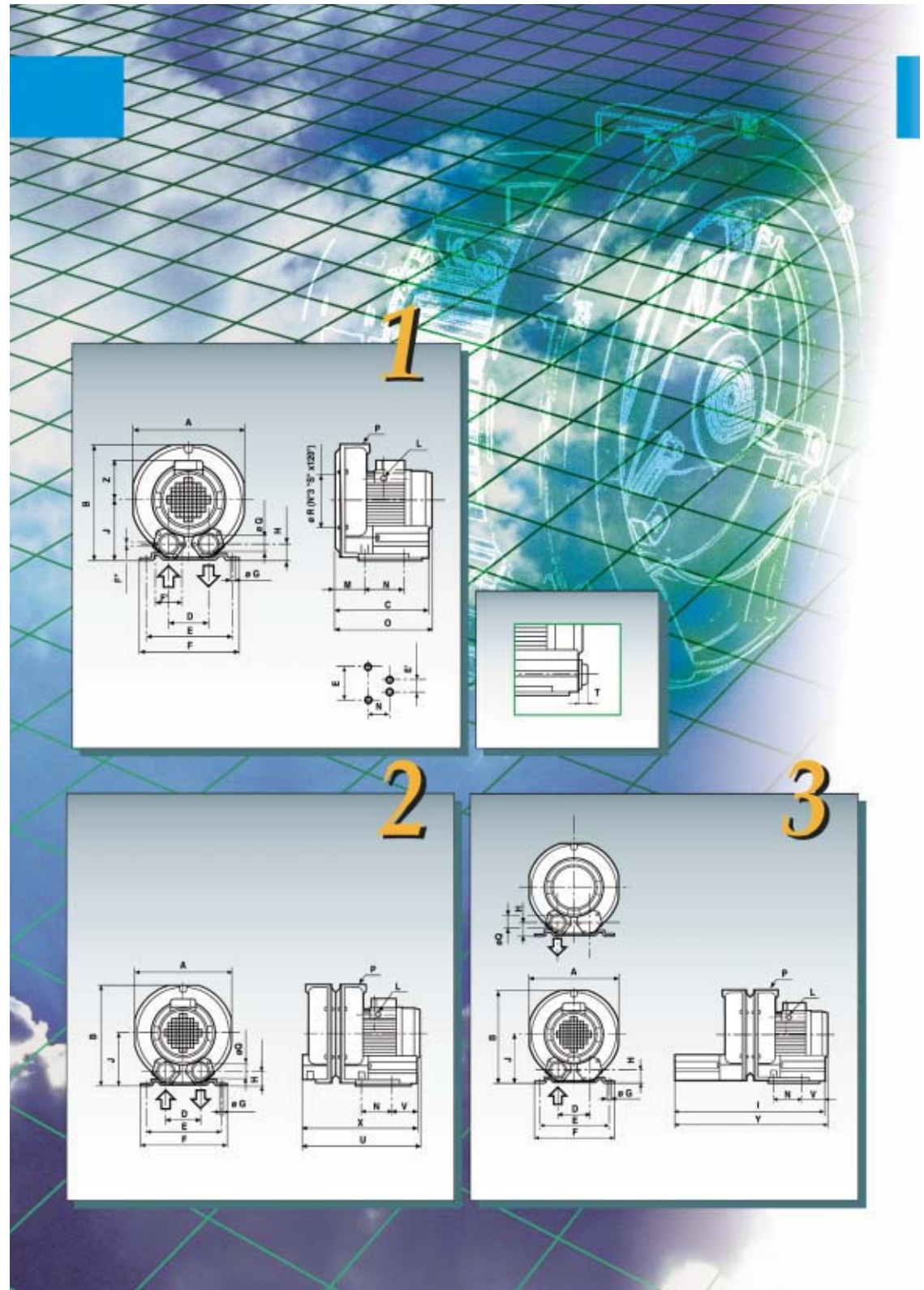
The accessories at your disposal have been specially designed to facilitate the installation of the side channel blowers/aspirators. Some of these accessories, such as filters and vacuum/pressure relief valves, are essential for ensuring the correct operation of the blowers/aspirators.

In addition to these accessories for our side channel blowers/aspirators, Esam also offers a wide range of components for custom designed centralised vacuum cleaning systems. Please ask for our seperate product catalogue for these components.

TUBEHOLDER FLANGE KIT with screws and gasket



Suitable for	Item	a	b	c	d	e	f	g	h
UNI-JET 40	169766	36	30	25	5	ø6,5	54	27	76
UNI-JET 75	169760	36	30	25	5	ø6,5	64	27	76
	169761	50	38	34	5	6	60	26	74
	169762	50	40	34	5	6	60	26	74
FLUX-JET	169764	120	40	38	8	ø8,5	83	31	98
	169763	120	50	48	8	ø8,5	83	36	98
	169767	48	60	52	8	ø8	83	36	97
MEDIO-JET	169767	48	60	52	8	ø8	83	36	97
UNI-JET 75 2V	169760	36	30	25	5	ø6,5	64	27	76
	169761	50	38	34	5	6	60	26	74
	169762	50	40	34	5	6	60	26	74
FLUXI-JET 2V	169763	120	50	48	8	ø8,5	83	36	98
	169764	120	40	38	8	ø8,5	83	31	98
	169767	48	60	52	8	ø8	83	36	97
MEDIO-JET 2V	169767	48	60	52	8	ø8	83	36	97
MEDIO-JET 1AC	169767	48	60	52	8	ø8	83	36	97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DIMENSIONS

MODEL	MEDIO-JET 1AC	MEDIO-JET 2V	FLUX-JET 2V	TECNO-JET 2V	UNI-JET 75 2V	UNI-JET 160	MEDIO-JET (2,2 kW)	MEDIO-JET (3 kW)	MEDIO-JET (4 kW)	FLUX-JET	FLUX-JET 80	TECNO-JET	UNI-JET 75	UNI-JET 40 SP	MICRO-JET	UNI-JET 500	UNI-JET 500 (13,7 kW)	UNI-JET 5002V (13,7 kW)	UNI-JET 500 2V (20 kW)	UNI-JET 1000 (11 kW)	UNI-JET 1000 (20 kW)	UNI-JET 1000 2V
Fig.	2	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	3
A	395	395	334	302.5	245.5	480	395	395	395	334	334	302.5	245.5	198	225	530	530			570	570	615
B	415	415	341	319	251	543,5	415	415	415	341	341	319	251	219	238.5	583.5	583.5			623.5	623.5	623
C							315	315	315	270	270	259	247	158.5	152.5	508	508			645	645	
D	125	125	120	105	88.5	193	125	125	125	120	120	105	88.5	80	54	213	213	213	213	220	220	350
E	290	290	260	225	205	383	290	290	290	260	260	225	205	79	54	389	389	389	389	475	475	475
E'														15								
F	320	320	291	250	225	423	320	320	320	292	292	250	225			449	449	449	449	535	535	535
F'	83	83	83	74	64		83	83	83	83	83	74	64	54.5								
F"	M8	M8	M8	M6	M6		M8	M8	M8	M8	M8	M6	M6	M6								
G	15	15	14	12	10x18	17	15	15	15	14	14	12	10x18	4.2	M5	17	17	17	17	17	17	17
H	74	74	47	63	41	114,5	74	74	74	47	47	63	41	28	28	109.5	109.5	109.5	109.5	122	122	122
I		709	530	485	489													1005	1005			1280
J	217	217	174	168	133	303,5	217	217	217	174	174	168	133	120	126	280.5	280.5	280.5	280.5	338.5	338.5	338.5
L	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG16	PG11	PG11	PG21	PG21	PG21	PG21	PG21	PG21	PG21
M						30	110	110	110	86	86	44	72	22	38	51	51			106	106	
N	140	140	115.5	95	80	340	140	140	140	115.5	115.5	95	80	29	99.5	340	340	340	340	470	470	470
O						502,5	332	357	410	283	290	302	231	220	230	566	604			675	719	
P	M10	M10	M8			M10	M10	M10	M10	M8	M8					M10	M10	M10	M10	M12	M12	M12
Q	2"	2"	1 1/2"	1 1/2"	1 1/4"	1 1/2"	2"	2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/4"	1 1/4"	3/8"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	4"	4"	4"
R	240					480	240	240	240	200	200	175	140	108	176	204	204			490	490	
S	M8					M12	M8	M8	M8	M8	M8	M6	M6	M5	M5	M12	M12			M12	M12	
T			24		24					24	24		24	26								
U	530																					
V	66	66	229	120	95													213	298			118,5
X	430																					
Y		709	572	543	489													1100	1185			1352
Z														99								
W						150																
K						64																

CATALOGUE DATA

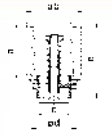
All catalogue data is intended as an indication of product specification.
Due to our programme of continuous improvements, unless exceptional agreements are confirmed in writing, we reserve the right to change pictorial, performance and dimensional data without prior notice.

ACCESSORIES

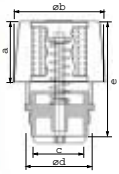
VACUUM FILTER

Suitable for	Item	a	b	c	d	e	g	h	Replacement cartridge code
UNI-JET 75	168560	161	156	200	176	1 1/4"	1 1/4"	93,5	167671
TECNO-JET	168564	192	185	200	176	1 1/2"	1 1/2"	111,5	167673
FLUX-JET	168564	192	185	200	176	1 1/2"	1 1/2"	111,5	167673
	168561	258	211	226	200	2"	2"	153,5	167672
MEDIO-JET	168561	258	211	226	200	2"	2"	153,5	167672
UNI-JET 75 2V	168560	161	156	200	176	1 1/4"	1 1/4"	93,5	167671
TECNO-JET 2V	168564	192	185	200	176	1 1/2"	1 1/2"	111,5	167673
FLUX-JET 2V	168564	192	185	200	176	1 1/2"	1 1/2"	111,5	167673
	168561	258	211	226	200	2"	2"	153,5	167672
MEDIO-JET 2V	168561	258	211	226	200	2"	2"	153,5	167672
UNI-JET 500/2V	168543	258	211	226	200	2 1/2"	2 1/2"	153,5	167672
UNI-JET 1000/2V	168544	320			305	4"	4"		167679

VACUUM RELIEF VALVE



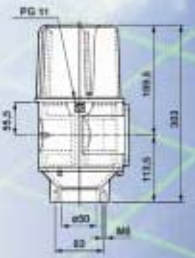
Suitable for	Item	a	b	c	d	e
TECNO-JET/2V	169835	80	80	1 1/2"	CH55	100
FLUX-JET/2V	169835	80	80	1 1/2"	CH55	100
UNI-JET 75/2V	169835	80	80	1 1/2"	CH55	100
UNI-JET 160	169849	80	80	1 1/2"	CH55	100
MEDIO-JET/2V	169846	134	89	2"	CH65	165



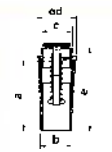
Suitable for	Item	a	b	c	d	e
MEDIO-JET 1AC	169844	160	195	3"	CH100	300
UNI-JET 500/2V	169844	160	195	3"	CH100	300
UNI-JET 1000/2V	169844	160	195	3"	CH100	300

AIR REVERSAL VALVE

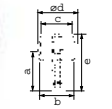
Suitable for	Item
FLUX-JET	**169811**
MEDIO-JET	169811
FLUX-JET 2V	**169811**
MEDIO-JET 2V	**169811**



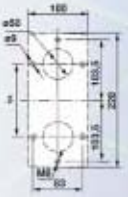
PRESSURE RELIEF VALVE



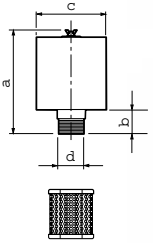
Suitable for	Item	a	b	c	d	e
TECNO-JET/2V	169834	110	1 1/2"	1 1/2"	CH 55	135
FLUX-JET/2V	169834	110	1 1/2"	1 1/2"	CH 55	135
UNI-JET 75 2V	169834	110	1 1/2"	1 1/2"	CH 55	135
UNI-JET 160	169856	110	1 1/2"	1 1/2"	CH 55	135
MEDIO-JET 1AC	169857	64	3" F	3" F	CH100	165
UNI-JET 500/2V	169857	64	3" F	3" F	CH100	165
UNI-JET 1000/2V	169857	64	3" F	3" F	CH100	165



Suitable for	Item	a	b	c	d	e
MEDIO-JET/ 2V	169858	110	2"	2"	CH 65	—



CARTRIDGE SUCTION FILTER *with replacement cartridges in paper or polyester*



Suitable for	Item	a	b	c	d	Replacement Polyester cartridge	Replacement Paper cartridge
UNI-JET 40	168530	102	38,5	153	1"	167680	167681
UNI-JET 75/2V	168531	165	38,5	153	1 1/4"	167682	167683
TECNO-JET/2V	168532	165	38,5	153	1 1/2"	167682	167683
FLUX-JET/2V	168532	165	38,5	153	1 1/2"	167682	167683
UNI-JET 160	168532	165	38,5	153	1 1/2"	167682	167683
MEDIO-JET/2V	168533	184	57	254	2"	167684	167685
UNI-JET 500	168534	220	60	195	2 1/2"	—	167670
UNI-JET 1000/2V	168537	300	60	320	4"	—	167678

OIL FREE COMPRESSOR HEAD UNITS

A K110 OIL FREE 1 CYLINDER COMPRESSOR HEADS

	Item	Model	Air Flow @ 5 Bar	Ph.	Volt/Hz	kW	Amp.	r.p.m.	Net weight kg	dB (A)	Dimensions L-W-H
50 Hz	168619	1 CYLINDER	64 Nlt/min	1	220-240	0,55	3,8	1400	18,5	70	190-430-320
	168618	1 CYLINDER	64 Nlt/min	3	220-380	0,55	2,85/1,65	1400	18	70	190-430-320
60 Hz	168614	1 CYLINDER	80 Nlt/min	1	220	0,65	4,6	1750	18,5	72	190-430-320
	168618	1 CYLINDER	80 Nlt/min	3	260-440	0,65	2,85/1,65	1750	18	72	190-430-320

B K110 OIL FREE 2 CYLINDER COMPRESSOR HEADS

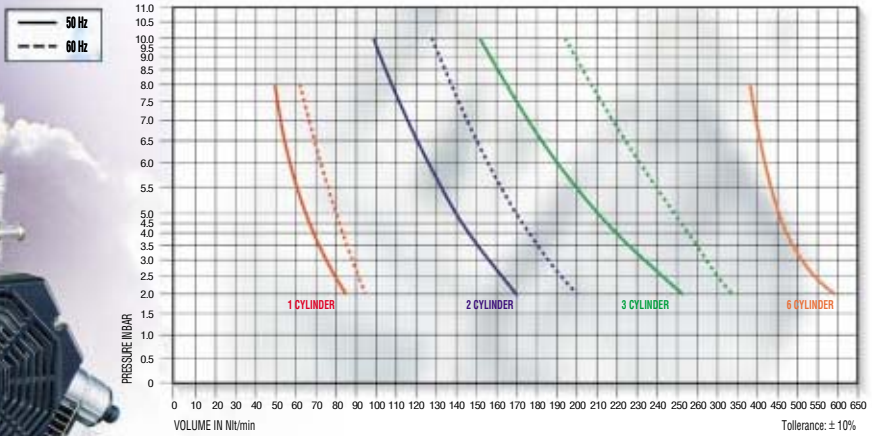
	Item	Model	Air Flow @ 5 Bar	Ph.	Volt/Hz	kW	Amp.	r.p.m.	Net weight kg	dB (A)	Dimensions L-W-H
50 Hz	168629	2 CYLINDER	140 Nlt/min	1	220	1,2	7,7	1400	24,5	72	400-450-330
	168628	2 CYLINDER	140 Nlt/min	3	230-400	1,5	6/3,5	1400	24	72	400-450-330
60 Hz	168657	2 CYLINDER	170 Nlt/min	1	220	1,5	8,8	1750	24,5	74	400-450-330
	168628	2 CYLINDER	170 Nlt/min	3	265-460	1,75	6/3,5	1750	24	74	400-450-330

C K110 OIL FREE 3 CYLINDER COMPRESSOR HEADS

	Item	Model	Air Flow @ 5 Bar	Ph.	Volt/Hz	kW	Amp.	r.p.m.	Net weight kg	dB (A)	Dimensions L-W-H
50 Hz	168649	3 CYLINDER	210 Nlt/min	1	220	1,5	10,2	1400	31	74	435-460-380
	168648	3 CYLINDER	210 Nlt/min	3	230-400	1,5	6/3,5	1400	28	74	435-460-380
60 Hz	168667	3 CYLINDER	250 Nlt/min	1	220	1,75	12	1700	31	76	435-460-380
	168648	3 CYLINDER	250 Nlt/min	3	265-460	1,75	6/3,5	1750	28	76	435-460-380

D K110 OIL FREE 6 CYLINDER COMPRESSOR HEADS

	Item	Model	Air Flow @ 5 Bar	Ph.	Volt/Hz	kW	Amp.	r.p.m.	Net weight kg	dB (A)	Dimensions L-W-H
50 Hz	168690	6 CYLINDER	450 Nlt/min	3	230/400	4	17/9,8	1500	70	76	435-680-380



OIL FREE COMPRESSORS

ESAM'S Oil Free compressors complete with drying and filtration system produce high quality, pure, dry compressed air.

1 CYLINDER COMPRESSOR

50 Hz Single-phase - 0,55 kW - 3,8 A
60 Hz Single-phase - 0,65 kW - 4,6 A
25 litre tank.
Air flow @ 5 bar:
55 Nlt/min 50 Hz - 69 Nlt/min 60 Hz
Noise levels:
70 dB (A) 50 Hz - 72 dB (A) 60 Hz
Dimensions: L= 505 W= 550 H= 735

2 CYLINDER COMPRESSOR

50 Hz Single-phase 1,2 kW - 7,7 A
Three-phase 1,5 kW - 6/3,5 A
60 Hz Single-phase 1,5 kW - 8,8 A
Three-phase 1,75 kW - 6/3,5 A
50 litre tank.
Air flow @ 5 bar:
125 Nlt/min 50 Hz - 153 Nlt/min 60 Hz
Noise levels:
72 dB (A) 50 Hz - 74 dB (A) 60 Hz
Dimensions: L= 560 W= 590 H= 760

3 CYLINDER COMPRESSOR

50 Hz Single-phase 1,5 kW - 10 A
Three-phase 1,5 kW - 6/3,5 A
60 Hz Single-phase 1,75 kW - 12 A
Three-phase 1,75 kW - 6/3,5 A
75 litre tank.
Air flow @ 5 bar:
188 Nlt/min 50 Hz - 226 Nlt/min 60 Hz
Noise levels:
74 dB (A) 50 Hz - 76 dB (A) 60 Hz
Dimensions: L= 580 W= 600 H= 940

TANDEM 2 CYLINDER COMPRESSOR

50 Hz 2 Single-phase motors 1,2 kW - 7,7 A
2 Three-phase motors 1,5 kW - 6/3,5 A
60 Hz 2 Single-phase motors 1,5 kW - 8,8 A
2 Three-phase motors 1,75 kW - 6/3,5 A
100 litre tank.
Air flow @ 5 bar:
250 Nlt/min 50 Hz - 300 Nlt/min 60 Hz
Noise levels:
75 dB (A) 50 Hz - 77 (A) 60 Hz
Dimensions: L= 1155 W= 550 H= 745

TANDEM 3 CYLINDER COMPRESSOR

50 Hz 2 Three-phase motors 1,5 kW - 6/3,5 A
60 Hz 2 Three-phase motors 1,75 kW - 6/3,5 A
150 litre tank.
Air flow @ 5 bar:
376 Nlt/min 50 Hz - 450 Nlt/min 60 Hz
Noise levels:
77 dB (A) 50 Hz - 79 (A) 60 Hz
Dimensions: L= 1320 W= 590 H= 890

Noise reducing enclosures also available on request. Reduces noise levels by 10dB (A).

BLOK-JET SYSTEMS SUITABLE FOR LARGE PLANTS

BLOK-JET SYSTEMS SUITABLE FOR LARGE PLANTS

Our Blok-Jet systems (available with 6, 9, 12 compressor heads depending on installation specification) which are electronically adjustable to run the adequate number of compressor heads based upon pressure requirements, ensure utmost flexibility and at the same time maximum security against plant stoppages from compressor failure.

It is in fact possible to replace any of the compressor heads without stopping the plant. The plant automatically cleans the drying system and expels humidity.

Blok-Jet systems are particularly suitable for hospital, food industry and pharmaceutical plants.

BLOK-JET MODELS

Item	Description	Hz	KW	V Δ	V Y	Amp. Ass. Δ	Amp. Ass. Y	Airflow @ 5 BARS*
010620	Blok-Jet 6 units	50	9	230 / 400		36	21	Nlt/min 1260
	3 cylinder compr. heads	60	10,5	265 / 460		37,8	21,6	Nlt/min 1500
010630	Blok-Jet 9 units	50	13,5	230 / 440		54	31,5	Nlt/min 1890
	3 cylinder compr. heads	60	16,2	265 / 460		56,7	32,4	Nlt/min 2250
010640	Blok-Jet 12 units	50	18	230 / 440		72	42	Nlt/min 2520
	3 cylinder compr. heads	60	21,6	265 / 460		75,6	43,2	Nlt/min 3000

Tension tollerance: ±10% *(*) Whithout Dryer*

BLOK-JET OPTIONAL ACCESSORIES

TANK

Item	Capacity	Suitable for model
199747	500 l	010620
199746	725 l	010630
199748	900 l	010640

REFRIGERATION SYSTEM

Item	Description	Suitable for model
169123	Refrigeration system + Dryer	010620 (50 Hz)
169124	Refrigeration system + Dryer	010620 (60 Hz) 010630 010640

BLOK-JETS WITH 6 CYLINDER COMPRESSOR HEADS

This new model is the latest introduction to the Blok-Jet range.

This product includes 6 cylinder compressor heads which allow us to improve the performance, efficiency and reduce noise levels on the system while remaining competitive on price.

NEW

CATTANI GROUP

esam

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