ESAM INDUSTRIAL
SIDE CHANNEL

BLOWERS AND ASPIRATORS

CATTANI
AIR TECHNOLOGY
UK

COMPANY PROFILE

Esam industrial division of Cattani S.p.A. has strived to design and manufacture machines and accessories for over 30 years with suitable features for many different applications and uses. Utilising high quality raw materials and state of the art software.

Since the very beginning we have used design and research as an essential basis for:

- keeping production techniques up to date with technological advancement.
- designing and manufacturing machines with energy efficiency, reliability and longevity in mind.
- achieving constant verified quality, for not only our peace of mind but for our customers as well.

The group has earned its reputation for strategies giving priority to research, design, testing and realization of the finished product in the global market.

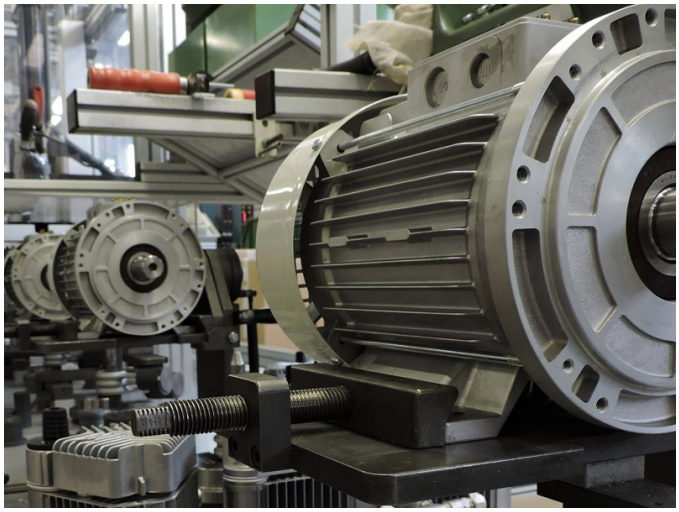
On the market for over 30 years, Cattani S.p.A. with the Esam Industrial Division has been specializing in air technology, particularly in suction and compressed air distribution plants.

HISTORY

Cattani S.p.A. with the Esam Industrial Division, is an ever growing, popular brand and with its constant attention to detail, is one of the leading companies for industrial machines.

The Esam industrial division of Cattani S.p.A. was established in 1984, when the decision was taken to broaden its market from dentistry to industry. Today the company operates nationally and internationally, being present in all continents.

Following the reliability of Esam products, this has led NASA to include the Cattani group in the prestigious team of its suppliers, commissioning a compressor weighing just 180 grams with a working pressure of up to 38 bar.



QUALITY OF CONSTRUCTION

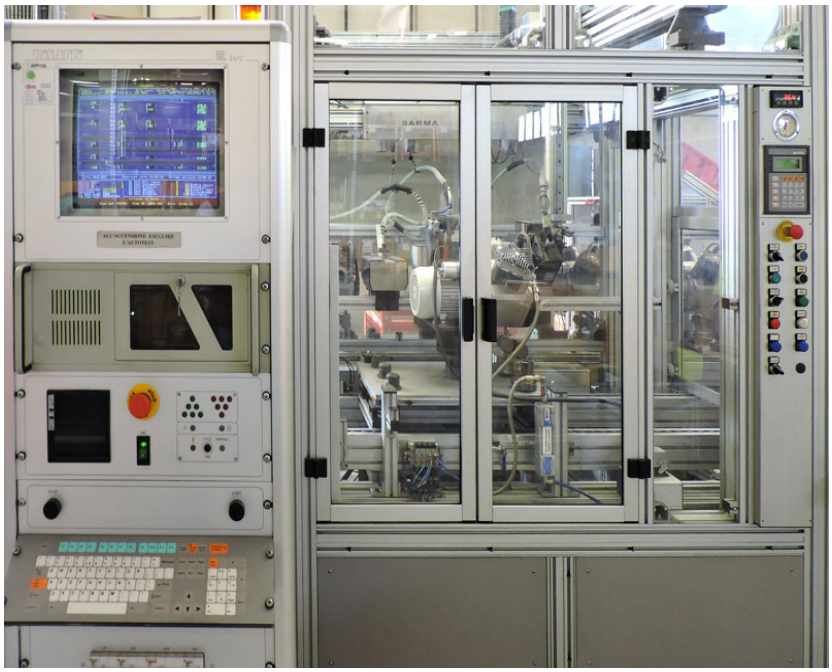
Quality must come first. We believe that cost does not always reflect quality. Our aim is to keep prices as low as possible without affecting the quality of production.

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

Standard motors are two pole, totally enclosed air cooled, continuous duty rated, IP55 protected, insulation class F, and meet the CEI EN 60034-1:2011-03 (CEI 2-3) specification.
Standard models are directly coupled to electric motors manufactured by Esam.

ESAM side-channel blowers / aspirators are built with die-cast aluminium alloy, wherever possible. This ensures high performance, reduces production costs, increases output and promotes uniform quality assurance.

The function of side-channel blowers / aspirators is based on the principle of fluid mechanics, by means of vortices created by the centrifugal force of a particular impeller in a peripheral toroidal channel.



Motors are protected by a thermal device as standard.

Industrial quality induction motors, renowned for their reliability.

Plastic impellors are used in our smaller machines to reduce incidence of seizing due to water ingress.

Company certified UNI EN ISO 9001:2015

MEDIUM OF AIR

The standard side channel blowers / asprators are designed to handle clean air up to a maximum temperature of 40°C.

Many customers have approached ESAM for product solutions tailored to their specific requirements, if you have any specific projects in mind please contact us and we will be happy to assist.

POPULAR MODELS

UNI JET 75

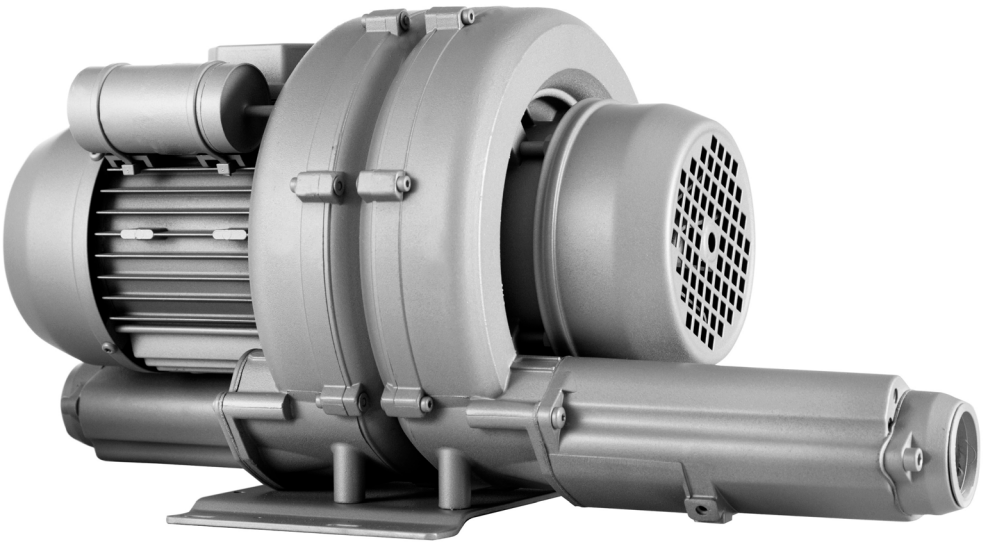
Output power:	1~ 0.4kW - 3.1A 230v 50Hz
Max flow:	1250 l/min
Max. vacuum level:	140mbar (continuous service)
Noise level:	62dB(A)
Dimensions:	W246 D232 H251 (mm)
Net Weight:	10kg
Gross Weight:	12kg

UNI JET 75 2V
(30MM PORTS)

Output power:	1~ 0.70kW - 5.2A 230v 50Hz
Max flow:	1330 l/min
Max. vacuum level:	290mbar (continuous service)
Noise level:	64dB(A)
Dimensions:	W246 D491 H251 (mm)
Net Weight:	13kg
Gross Weight:	15kg

UNI JET 75 2V
(40MM PORTS)

Output power:	1~ 0.70kW - 5.2A 230v 50Hz
Max flow:	1330 l/min
Max. vacuum level:	240mbar (continuous service)
Noise level:	64dB(A)
Dimensions:	W246 D491 H251 (mm)
Net Weight:	13kg
Gross Weight:	15kg



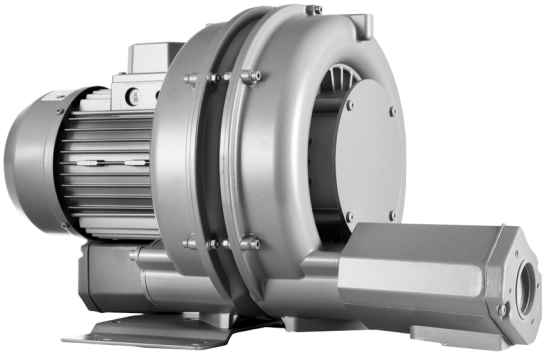
POPULAR MODELS

TECNO JET

Output power:	1~ 0.75kW - 5.5A 230v 50Hz
Max flow:	2000 l/min
Max. vacuum level:	140mbar (continuous service)
Noise level:	68dB(A)
Dimensions:	W303 D302 H319 (mm)
Net Weight:	18kg
Gross Weight:	21kg

TECNO JET 2V

Output power:	1~ 1.1kW - 7.5A 230v 50Hz
Max flow:	2170 l/min
Max. vacuum level:	200mbar (continuous service)
Noise level:	65dB(A)
Dimensions:	W303 D543 H319 (mm)
Net Weight:	21kg
Gross Weight:	24kg

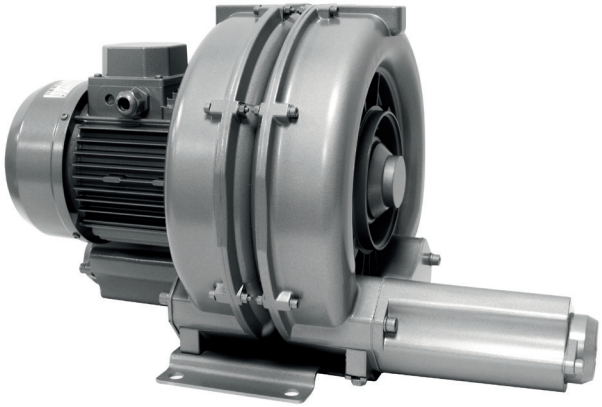


FLUX JET

Output power:	1~ 1.1kW - 7.6A 230v 50Hz
Max flow:	3300 l/min
Max. vacuum level:	150mbar (continuous service)
Noise level:	68.5dB(A)
Dimensions:	W334 D405 H341 (mm)
Net Weight:	22kg
Gross Weight:	25kg

FLUX JET 2V

Output power:	1~ 2.2kW - 9A 230v 50Hz 3~ 2.2kW - 5.2A 400v 50Hz
Max flow:	3330 l/min
Max. vacuum level:	240mbar (continuous service)
Noise level:	72dB(A)
Dimensions:	W334 D575 H341 (mm)
Net Weight:	26kg
Gross Weight:	30kg



50 Hz Motors

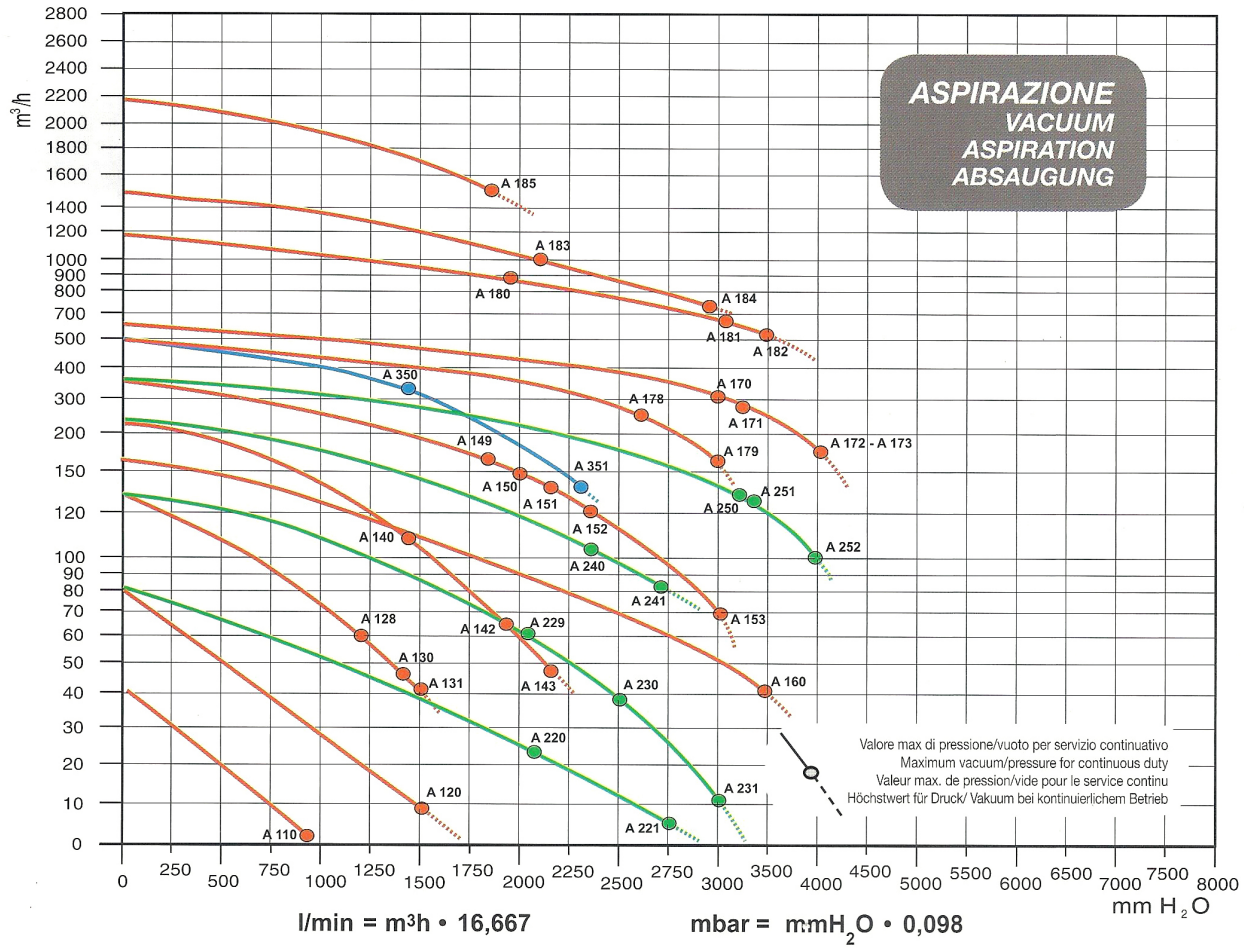
THREE PHASE MOTOR		Curve nr	Max Air Flow m3h	Motor KW	DELTA		STAR		Max S1 mbar	dB(A)*	Kg
Model	Code				Volt	A	Volt	A			
UNIJET 40	014034	A110 C100	40	0,2	200-240	1,5	345-415	0,85	-90 +90	57	7
UNIJET 75	015071	A120 C120	80	0,4	200-240	2,3	345-415	1,35	-145 +145	62	10
UNIJET 75 2V	019130	A220 C220	80	0,75	200-240	3,4	345-415	1,95	-215 +215	64	16
UNIJET 75 2V	019165	A221 C221	80	0,75	230	3,4	400	1,95	-270 +245	64	16
TECNOJET 11/s	046766	A128 C128	135	0,75	200-240	4,7	345-415	2,7	-120 +120	68	18
TECNOJET 11/s	046731	A130 C130	135	0,75	200-240	4,2	345-415	2,4	-145 +140	68	18
TECNOJET 11/s	046780	A131 C131	135	1,1	200-240	5,2	345-415	3	-155 +155	68	18
TECNOJET 2V	046950	A230 C230	135	1,5	200-240	7,1	345-415	4,1	-245 +245	65	25
TECNOJET 2V LHT	046952	A231 C231	135	1,5	200-240	7,1	345-415	4,1	-295 +255	65	25
UNIJET 160	056500	A160 C160	160	4	200-240	16,7	345-415	9,7	-345 +440	78	62
FLUX-80	049100	A140 C140	200	1,1	200-240	5,2	345-415	3	-145 +145	68	19
FLUXJET	048111	A142 C142	200	1,5	200-240	6,9	345-415	4	-185 +185	68	21
FLUXJET	048055	A143 C143	200	2,2	230	9	400	5,2	-215 +265	68	24
FLUXJET 2V	048150	A240 C240	200	2,2	230	9	400	5,2	-230 +265	72	31
FLUXJET 2V LHT	048161	A241 C241	200	2,2	230	9	400	5,2	-265 +265	72	31
MEDIOJET	061502	A150 C150	330	2,2	230	9	400	5,2	-195 +185	76	30
MEDIOJET	061735	A149 C149	330	2,2	200-240	10,5	345-415	6	-185 +165	76	32
MEDIOJET	061732	A151 C151	330	2,55	200-240	11,2	345-415	6,5	-215 +220	76	32
MEDIOJET	061503	A152 C152	330	3	230	11,8	400	6,8	-230 +245	76	32
MEDIOJET LHT	061597	A153 C153	330	4	200-240	16,7	345-415	9,7	-295 +295	76	44
MEDIOJET 2V	091610	A250 C250	330	4	200-240	16,7	345-415	9,7	-315 +260	77	57
MEDIOJET 2V	091621	A251 C251	330	5,5	200-240	22,5	345-415	13	-320 +390	77	60
MEDIOJET 2V LHT	091624	A252 C252	330	5,5	200-240	22,5	345-415	13	-390 +440	77	60
MEDIO-1AC	091950	A350 C350	500	4	200-240	16,7	345-415	9,7	-135 +105	77	56
MEDIO-1AC	091951	A351 C351	500	5,5	200-240	22,5	345-415	13	-225 +215	77	56
UNIJET 501	079510	A178 C178	500	5,5	200-240	22,5	345-415	13	-255 +245	78	88
UNIJET 501	079500	A179 C179	500	7,5	200-240	30	345-415	17,3	-295 +285	78	88
UNIJET 501	079502	A179 C179	500	7,5	345-415	17,8	-	-	-295 +285	78	88
UNIJET 500	080006	A170 C170	600	7,5	345-415	17,8	-	-	-295 +285	78	96
UNIJET 500	080049	A171 C171	600	9	345-415	22,3	-	-	-315 +320	78	102
UNIJET 500	080076	A172 C172	600	11	345-415	24,2	-	-	-390 +400	78	112
UNIJET 500	080074	A173 C173	600	12,5	345-415	26,8	-	-	-390 +465	78	112
UNIJET 1000	083009	A180 C180	1200	11	345-415	25	-	-	-185 +155	82	140
UNIJET 1000	083012	A181 C181	1200	15	345-415	33,2	-	-	-315 +265	82	155
UNIJET 1000	083016	A182 C182	1200	20	345-415	44,3	-	-	-345 +390	82	180
UNIJET 1500	084000	A183 C183	1500	15	345-415	33,2	-	-	-225 +210	82	156
UNIJET 1500	084016	A184 C184	1500	20	345-415	44,3	-	-	-295 +295	82	156
UNIJET 2200	087009	A185 C185	2200	20	345-415	44,3	-	-	-185 +130	82	156

SINGLE PHASE MOTOR		Curve nr	Max Air Flow m3h	Motor KW	1ph motor		Max S1 mbar	dB(A)*	Kg
Model	Code				Volt	A			
UNIJET 40	014027	A110 C110	40	0,2	230	2	-80 +90	57	7
UNIJET 75	015025	A120 C120	80	0,4	230	3,1	-145 +145	62	10
UNIJET 75 2V	019120	A221 C221	80	0,8	230	4,8	-270 +245	64	16
TECNOJET 11/s	046759	A130 C130	135	0,75	230	5,5	-135 +135	68	18
TECNOJET 2V	046956	A229 C229	135	1,1	230	7,5	-195 +185	65	26
FLUXJET	048137	A140 C140	200	1,1	230	7,6	-145 +145	68	21
FLUXJET	048139	A142 C142	200	1,5	230	10	-185 +185	68	21

Special voltages available on request.

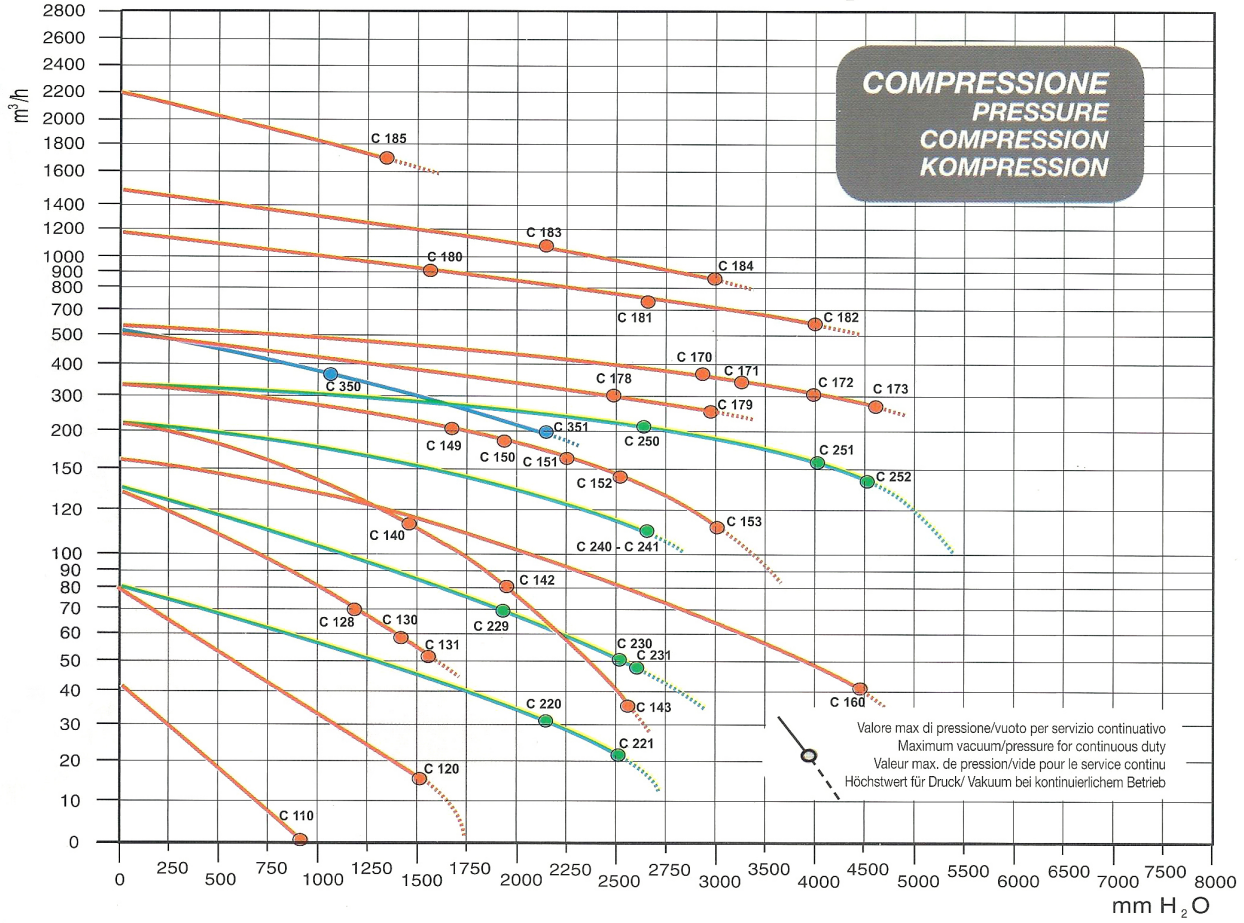
The pressure and flow rates have a tolerance of ± 10%. The vacuum curves are valid for pumping air, with a temperature of 20°C at the inlet flange and with a pressure of 1013mbar at the discharge port. The pressure curves are valid for pumping air, with an average temperature of 20°C, a density of 1,23 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 51dB(A) - Instrument used: Bruel & Kjær

50 Hz Motors



l/min = m³h • 16,667 mbar = mmH_2O • 0,098

CFM = m³h • 0,588 PSI = mmH_2O • 0,00142



60 Hz Motors

THREE PHASE MOTOR		Curve nr	Max Air Flow m3h	Motor KW	DELTA		STAR		Max S1 mbar	dB(A)*	Kg
Model	Code				Volt	A	Volt	A			
UNIJET 40	014034	A610 C600	48	0,25	220-275	1,5	380-480	0,85	-120 +130	58	7
UNIJET 75	015071	A621 C621	96	0,5	220-275	2,4	380-480	1,4	-155 +145	63	10
UNIJET 75 2V	019130	A720 C720	96	0,9	220-275	3,4	380-480	1,95	-205 +195	68	16
UNIJET 75 2V	019165	A721 C721	96	0,9	265	3,4	460	1,95	-245 +230	68	16
TECNOJET 11/s	046766	A630 C630	162	0,9	220-275	4,3	380-480	2,5	-130 +115	69	18
TECNOJET 11/s	046731	A631 C631	162	0,9	220-275	4,45	380-480	2,6	-145 +140	69	18
TECNOJET 11/s	046780	A632 C632	162	1,3	220-275	5,5	380-480	3,2	-185 +185	69	18
TECNOJET 2V	046950	A730 C730	162	1,75	220-275	7	380-480	4	-255 +235	69	26
TECNOJET 2V LHT	046952	A730 C730	162	1,75	220-275	7	380-480	4	-255 +235	69	26
UNIJET 160	056500	A660 C660	192	4,6	220-275	17,6	380-480	10,2	-440 +520	79	62
FLUX-80	049100	A640 C640	240	1,3	220-275	5,5	380-480	3,2	-135 +135	69	19
FLUXJET	048111	A642 C642	240	1,75	220-275	7,1	380-480	4,1	-185 +175	69	21
FLUXJET	048055	A644 C644	240	2,55	265	9	460	5,2	-255 +275	69	24
FLUXJET 2V	048150	A740 C740	240	2,55	265	9	460	5,2	-260 +245	75	31
FLUXJET 2V LHT	048161	A741 C741	240	2,55	265	9	460	5,2	-280 +245	75	31
MEDIOJET	061502	A650 C650	395	2,55	265	9	460	5,2	-185 +170	77	30
MEDIOJET	061735	A649 C649	395	2,55	220-275	9,5	380-480	5,5	-165 +140	77	32
MEDIOJET	061732	A651 C651	395	3	220-275	11,6	380-480	6,7	-195 +175	77	32
MEDIOJET	061503	A652 C652	395	3,45	265	11,4	460	6,6	-255 +245	77	32
MEDIOJET LHT	061597	A653 C653	395	4,6	220-275	17,6	380-480	10,2	-325 +295	77	44
MEDIOJET 2V	091610	A750 C750	395	4,6	220-275	17,6	380-480	10,2	-295 +275	81	56
MEDIOJET 2V	091621	A751 C751	395	6,3	220-275	23,6	380-480	13,6	-335 +370	81	60
MEDIOJET 2V LHT	091624	A752 C752	395	6,3	220-275	23,6	380-480	13,6	-380 +370	81	60
MEDIO-1AC	091950	A849 C849	600	4,6	220-275	17,6	380-480	10,2	-60 +60	81	56
MEDIO-1AC	091951	A850 C850	600	6,3	220-275	23,6	380-480	13,6	-195 +185	81	59
UNIJET 501	079510	A758 C758	600	6,3	220-275	23,6	380-480	13,6	-230 +205	84	88
UNIJET 501	079500	A759 C759	600	8,6	220-275	31,1	380-480	18	-315 +300	84	88
UNIJET 501	079502	A759 C759	600	8,6	380-480	17,7	-	-	-315 +300	84	88
UNIJET 500	080006	A670 C670	720	8,6	380-480	17,7	-	-	-225 +205	84	96
UNIJET 500	080009	A671 C671	720	10,4	380-480	20,4	-	-	-315 +285	84	102
UNIJET 500	080076	A672 C672	720	12,6	380-480	24,8	-	-	-370 +345	84	112
UNIJET 500	080074	A673 C673	720	14,5	380-480	28	-	-	-400 +390	84	112
UNIJET 1000	083009	A680 C680	1440	12,6	380-480	25,8	-	-	-155 +125	84	140
UNIJET 1000	083012	A681 C681	1440	17,3	380-480	33,9	-	-	-245 +215	84	156
UNIJET 1000	083016	A682 C682	1440	25,2	380-480	48,1	-	-	-390 +370	84	180
UNIJET 1500	084000	A683 C683	1800	17,3	380-480	33,9	-	-	-155 +125	84	156
UNIJET 1500	084016	A684 C684	1800	25,2	380-480	48,1	-	-	-295 +245	84	156
UNIJET 2200	087009	A685 C685	2640	25,2	380-480	48,1	-	-	-180 +130	84	156

SINGLE PHASE MOTOR		Curve nr	Max Air Flow m3h	Motor KW	1ph motor		Max S1 mbar	dB(A)*	Kg
Model	Code				Volt	A			
UNIJET 40	014027	A610 C610	48	0,25	230	2	-110 +120	57	7
UNIJET 75	015018	A620 C620	96	0,5	220	3,5	-130 +140	63	10
UNIJET 75 2V	019168	A721 C721	96	0,8	220	6	-255 +235	68	16
TECNOJET 11/s	046758	A633 C633	162	1,1	220	8,7	-165 +155	69	19
TECNOJET 2V	046956	A729 C729	162	1,3	220	8,7	-195 +185	69	26
FLUXJET	048116	A642 C642	240	1,5	220	12	-180 +180	69	21

Special voltages available on request.

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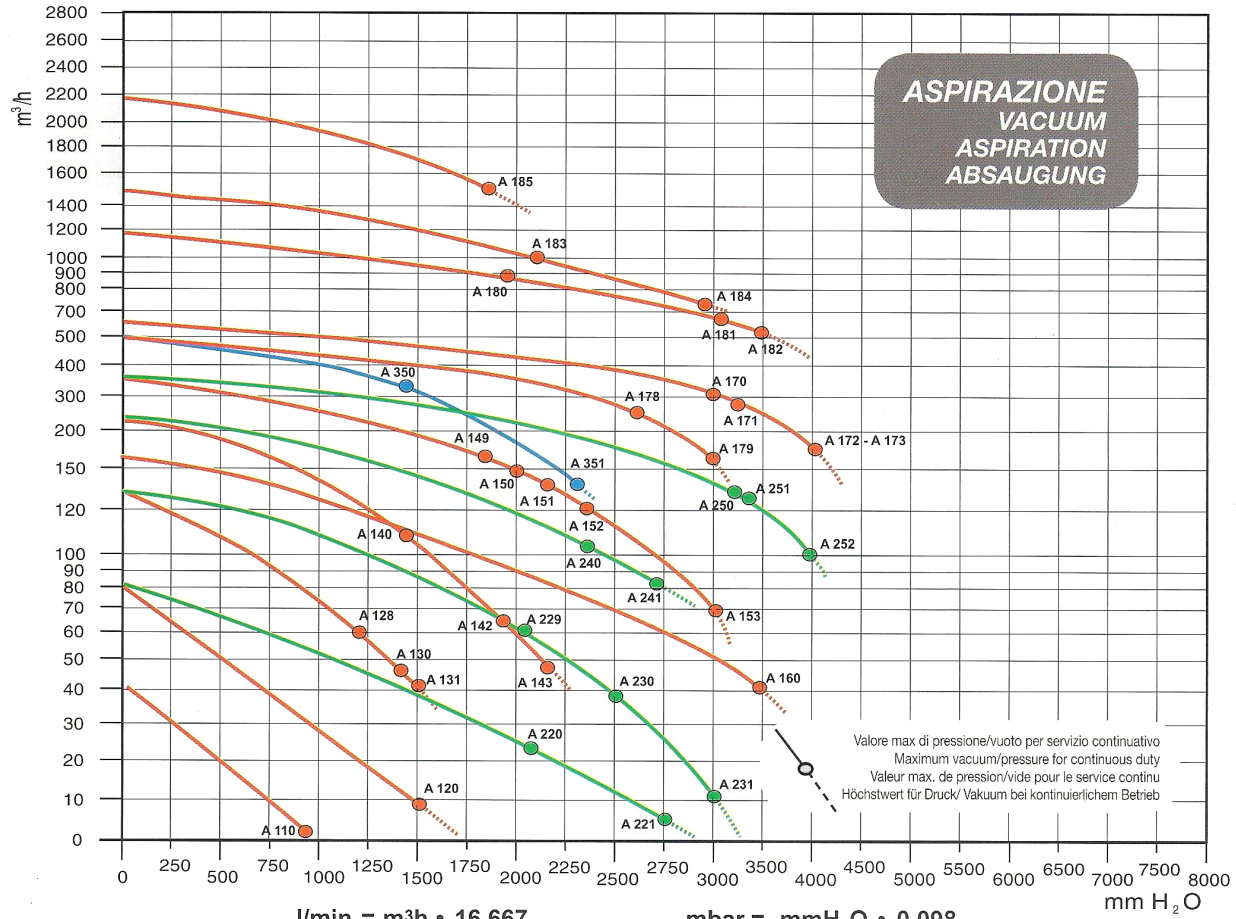
60 Hz Motors



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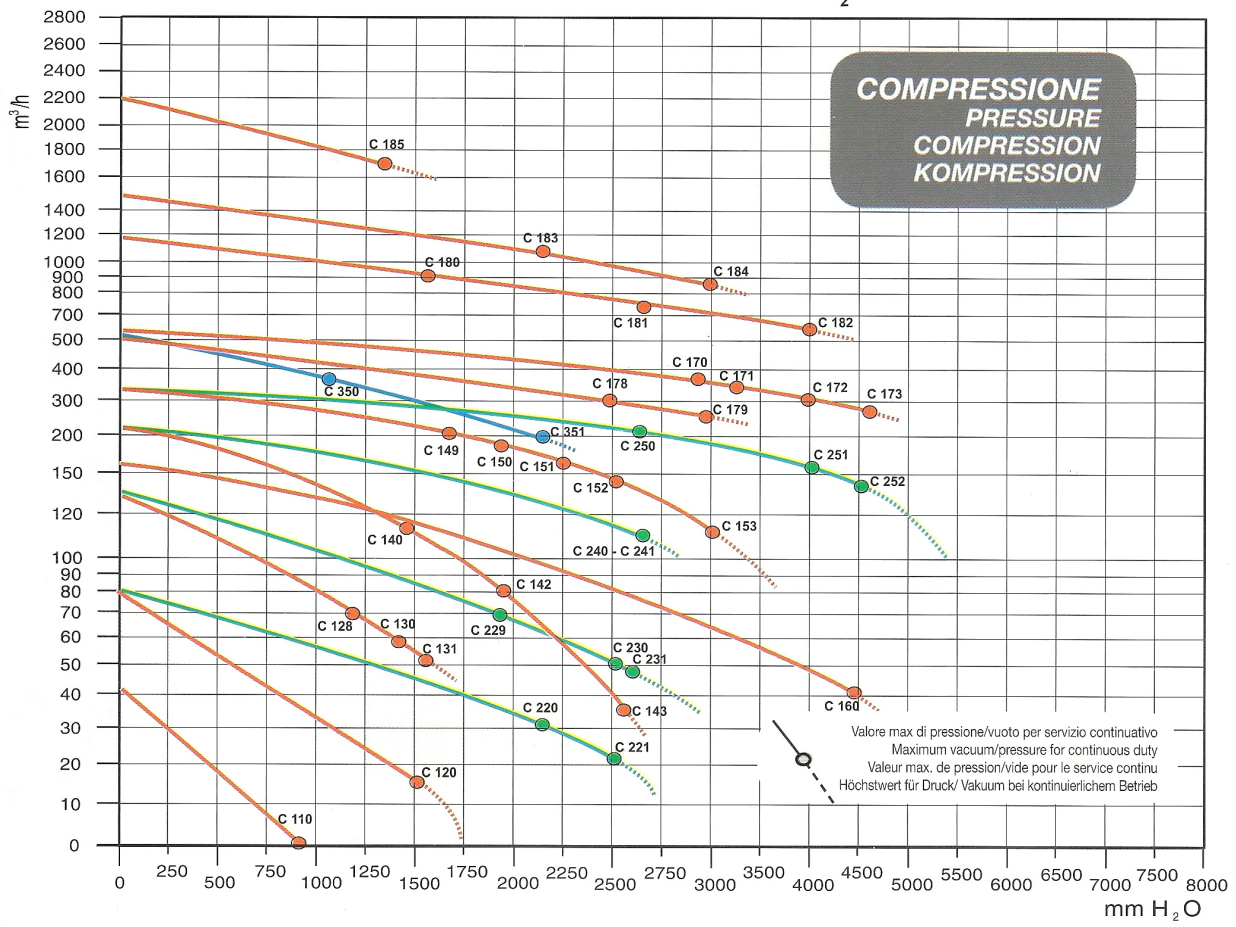
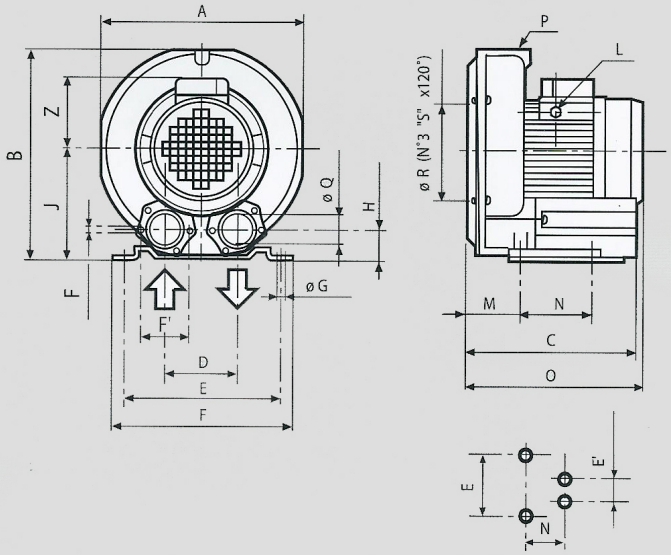
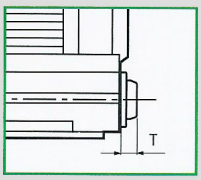


MOTOR DIMENSIONS

1





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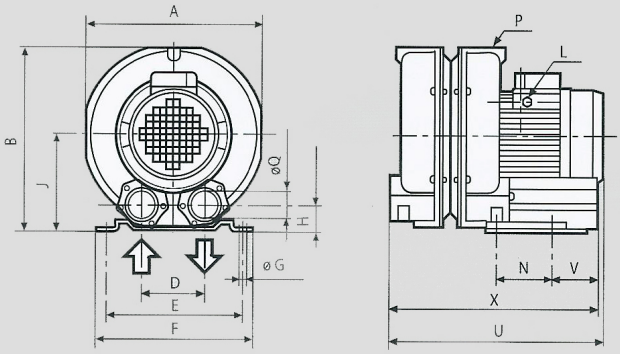

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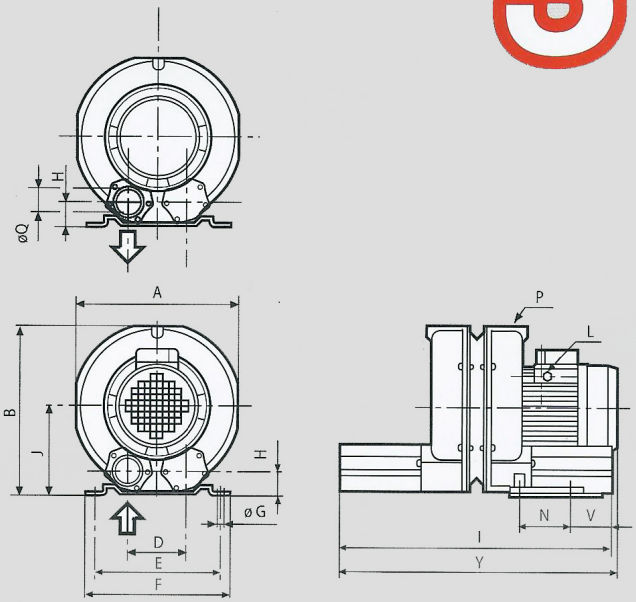


MOTOR DIMENSIONS

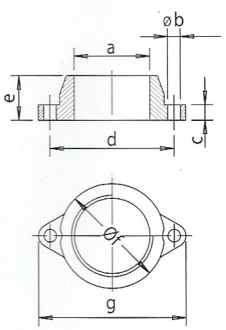
MODEL	MEDIO-1 AC	MEDIO-JET 2V	FLUX-JET 2V	TECNO-JET 2V	UNI-JET 75 2V	UNI-JET 160	MEDIO-JET (2,2 kW)	MEDIO-JET (3 kW)	MEDIO-JET (4 kW)	FLUX-JET	FLUX-JET 80	TECNO-JET	TECNO-JET 11S	UNI-JET 75	UNI-JET 740 SP	MICRO-JET	UNI-JET 501 (4-5,5kW)	UNI-JET 501 (7,5kW)	UNI-JET 500 (7,5-9kW)	UNI-JET 500 (11-12,5kW)	UNI-JET 1000 (11-15kW)	UNI-JET 1000 (20kW)	UNI-JET 1500 (15kW)	UNI-JET 1500 (20kW)	UNI-JET 2200
Fig.	2	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A	395	395	334	302,5	245,5	480	395	395	395	334	334	302,5	302,5	245,5	198	225	456	456	530	530	570	570	570	570	600
B	415	415	341	319	251	543,5	415	415	415	341	341	319	319	251	219	238,5	522	522	583,5	583,5	623,5	623,5	633	633	610
C							315	315	315	270	270	259	283	247	158,5	152,5	484	484	508	508	645	645	655	655	739
D	125	125	120	105	88,5	193	125	125	125	120	120	105	115	88,5	80	54	173	173	213	213	220	220	220	220	220
E	290	290	260	225	205	383	290	290	290	260	260	225	225	205	79	54	389	389	389	389	475	475	475	475	428
E'															15										
F	320	320	291	250	225	423	320	320	320	292	292	250	250	225			449	449	449	449	535	535	535	535	464
F'	83	83	83	74	64		83	83	83	83	83	74	72	64	54,5										D.195
F''	M8	M8	M8	M6	M6		M8	M8	M8	M8	M8	M6	M6	M6	M6										M8
G	15	15	14	12	10x18	17	15	15	15	14	14	12	12	10x8	4,2	M5	17	17	17	17	17	17	17	17	13
H	74	74	47	63	41	114,5	74	74	74	47	47	63	68	41	28	28	108	108	109,5	109,5	122	122	132	132	89
I		709	530	485	489																				
J	217	217	174	168	133	303,5	217	217	217	174	174	168	168	133	120	126	294	294	318,5	318,5	338,5	338,5	348	348	310
L	M25 x 1,5	M25 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M25 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M20 x 1,5	M16 x 1,5	M16 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5	M32 x 1,5
M						30	110	110	110	86	86	44	72	72	22	38	35,5	35,5	51	51	106	106	44	44	100
N	140	140	115,5	95	80	340	140	140	140	115,5	115,5	95	95	80	29	99,5	390	390	340	340	470	470	470	470	478
O						502,5	332	357	410	283	290	302	302	231	220	230	433	491	566	604	675	719	659	703	739
P	M10	M10		M8		M10	M10	M10	M10	M8	M8						M10	M10	M10	M10	M12	M12	M12	M12	M14
Q	2"	2"	1 1/2"	1 1/2"	1 1/4"	1 1/2"	2"	2"	2"	1 1/2"	1 11/12"	1 1/2"	1 1/2"	1 1/4"	1"	3/8"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	4"	4"	4"	4"	D.145
R	240					480	240	240	240	200	200	175	175	140	108	176	260	260	408	408	490	490	490	490	490
S	M8					M12	M8	M8	M8	M8	M8	M6	M6	M6	M5	M5	M10	M10	M12	M12	M12	M12	M12	M12	M12
T			24		24					24	24			24	26										
U	530																								
V	66	66	229	120	95																				
X	430																								
Y		709	572	543	489																				
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.

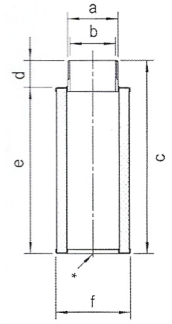
MOTOR ACCESSORIES

THREADED FLANGE KIT with screws and gasket



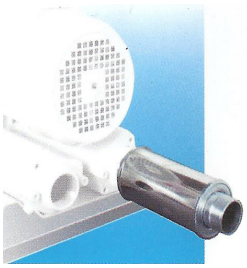
Suitable for	Code	A	B	C	D	E	F	G
UniJet 40	169769	3/4"	6,5	8	54	36	54	76
	169752	1"	6,5	8	54	25	52	76
UniJet 75 UniJet 75 2V	169750	1 1/4"	6,5	8	64	23	54	76
FluxJet	169770	1 1/2"	8,5	8	83	23	62	98
	169751	2"	8,5	8	83	23	72	98
MedioJet Medio1AC MedioJet 2V	169751	2"	8,5	8	83	23	72	98

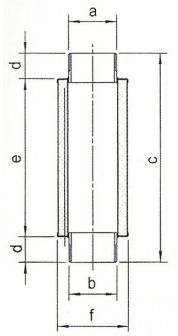
ONE ENDED SUPPLEMENTARY SILENCER with 1 threaded end for exhausted air intake (not for pressure or vacuum inline)



Suitable for	Code	A	B	C	D	E	F	G
UniJet 75 UniJet 75 2V	169411	1 1/4"	36	190	52	138	69	76
TecnoJet TecnoJet 2V FluxJet FluxJet 2V	169410	1 1/2"	42	200	32	168	80	76
MedioJet MedioJet 2V	169412	2"	54	230	32	198	89	98
	169372	2"	54	230	32	198	89	98
MaxiJet 2S	169416	3"	80	435	85	350	152	98

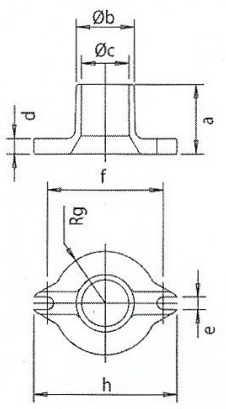
DOUBLE ENDED SUPPLEMENTARY SILENCER with 2 threaded ends for exhausted or intake air (not for pressure or vacuum inline)





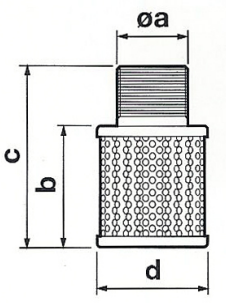
Suitable for	Code	A	B	C	D	E	F
UniJet 75 UniJet 75 2V	169384	1 1/4"	1 1/4"	242	52	138	70
TecnoJet TecnoJet 2V FluxJet FluxJet 2V	169385	1 1/2"	1 1/2"	233	32	169	80
MedioJet MedioJet 2V	169413	2"	2"	263	32	199	89
UniJet 500	169415	2 1/2"	2 1/2"	270	35	200	98
UniJet 1000	169417	4"	4"	480	37	406	152
UniJet 2200	169382	150	150	620	60	500	209

TUBEHOLDER FLANGE KIT with screws and gasket



Suitable for	Code	A	B	C	D	E	F	G	H
UniJet 40	169766	36	30	25	5	Ø6,5	54	27	76
UniJet 75 UniJet 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
	169771	52.2	50	46	2.5	Ø7	29x57	-	75
TecnoJet TecnoJet 2V	169773	48	50	43	8	Ø6,5	72	32.5	98
FluxJet FluxJet 2V	169772	70	50	48	8	Ø8,5	83	36	98
	169774	48	50	43	8	Ø8,5	83	32.5	98
	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
MedioJet MedioJet1AC MedioJet 2V	169767	48	60	52	8	Ø8	83	36	97
	169774	48	50	43	8	Ø8,5	83	32.5	98
UniJet 2200	169776	152.5	150	142	5	Ø12	Ø156	-	200

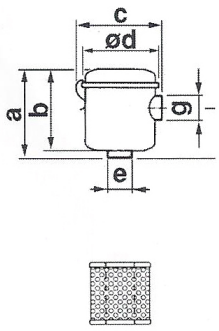
INLET FILTER



Suitable for	Code	A	B	C	D
MicroJet	168551	1 1/4"	52	66	43
UniJet 40	168554	1"	62	82	69
UniJet 75 UniJet 75 2V	168550	1 1/4"	62	113	69
TecnoJet TecnoJet 2V FluxJet FluxJet 2V	168553	1 1/2"	81	113	80
MedioJet MedioJet 2V	168555	2"	134	164	89

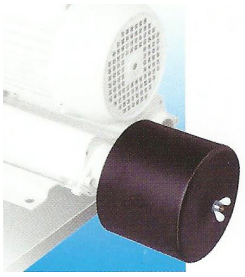
MOTOR ACCESSORIES

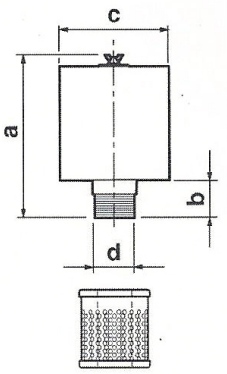
VACUUM FILTER



Suitable for	Code	A	B	C	D	E	G	Replacement cartridge code
UniJet 75	168560	161	156	200	176	1 1/4"	1 1/4"	167671
TecnoJet TecnoJet 2V	168564	200	185	200	176	1 1/2"	1 1/2"	167673
FluxJet FluxJet 2V	168564	200	185	200	176	1 1/2"	1 1/2"	167673
	168561	258	211	226	200	2"	2"	167672
MedioJet MedioJet1AC MedioJet 2V	168561	258	211	226	200	2"	2"	167672
UniJet 500 UniJet 501	168543	258	211	226	200	2 1/2"	2 1/2"	167672
UniJet 1000 UniJet 1500	168544	320	300	340	305	2 1/2"	4"	167679

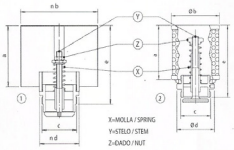
CARTRIDGE SUCTION FILTER with replacement cartridges in paper or polyester





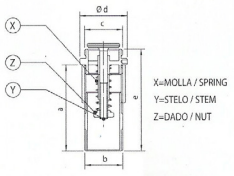
Suitable for	Code	A	B	C	D	Replacement polyester cartridge	Replacement paper cartridge
UniJet 40	168530	102	39	156	1"	167680	167681
	168410	140	40	130	1"	167690	-
UniJet 75 UniJet 75 2V	168531	165	39	156	1 1/4"	167682	167683
	168411	140	40	130	1 1/4"	167690	-
TecnoJet FluxJet TecnoJet 2V FluxJet 2V	168532	165	39	156	1 1/2"	167682	167683
	168412	175	45	130	1 1/2"	167691	-
MedioJet MedioJet1AC MedioJet 2V	168533	197	54	201	2"	167684	167685
	168491	210	50	172	2"	167692	-
UniJet 500 UniJet 501	168534	220	60	195	2 1/2"	-	167670
UniJet 1000 UniJet 1500	168537	300	60	320	4"	-	167678

VACUUM RELIEF VALVE*



Suitable for	Code	A	B	C	D	E	Picture
UniJet 75 UniJet 75 2V TecnoJet TecnoJet 2V FluxJet FluxJet 2V	169835	82	80	1 1/2"	CH55	114	2
UniJet 160	169849	82	80	1 1/2"	CH55	114	2
MedioJet MedioJet 2V	169846	135	80	2"	CH65	195	2
Medio1AC UniJet 501 UniJet 500 UniJet 1000	169844	137	203	3"	CH100	320	1
UniJet 1500 UniJet 2200 (50Hz)	2 x 169844	137	203	3"	CH100	320	1
UniJet 2200 (60Hz)	3 x 169844	137	203	3"	CH100	320	1

PRESSURE RELIEF VALVE*



Suitable for	Code	A	B	C	D	E
UniJet 75 / UniJet 75 2V TecnoJet / TecnoJet 2V FluxJet / FluxJet 2V	169834	103	1 1/2"	1 1/2"	CH55	133
UniJet 160	169856	103	1 1/2"	1 1/2"	CH55	133
MedioJet MedioJet 2V	169858	75	2"	2"	CH65	95
Medio1AC UniJet 501 UniJet 500 UniJet 1000	169857	65	3" F	3" F	CH100	142
UniJet 1500 UniJet 2200 (50Hz)	2 x 169857	65	3" F	3" F	CH100	142
UniJet 2200 (60Hz)	3 x 169857	65	3" F	3" F	CH100	142

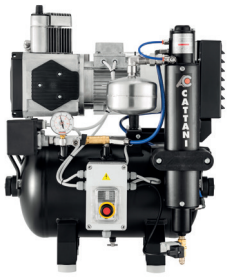
* To be adjusted according to the max. vacuum / pressure indicated on the blower rating plate.

The accessories at your disposal have been specifically 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.

OIL-LESS COMPRESSORS

Cattani Oil-Less Compressors include a drying system as standard and a series of filters, providing high quality, pure, dry compressed air.
We can supply these Compressors without drying columns if required.

AC100

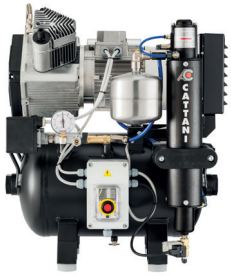


Single Phase
50Hz 0.55kW 3.8A 230V
60Hz 0.7kW 4.9A 220V

67.5N l/min (5 bar)

Tank Volume 30 litres
Noise Level 70dB(A)
W620 D460 H720 (mm)
Net Weight 47kg

AC200



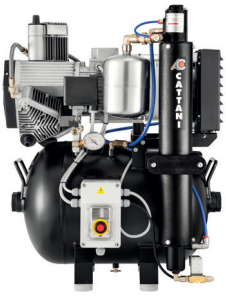
Single Phase
50Hz 1.2kW 7.7A 230V
60Hz 1.5kW 9.2A 220V

Three Phase
50Hz 1.5kW 3.7A 400V
60Hz 1.5kW 9.2A 380V

160N l/min (5 bar)

Tank Volume 30 Litres
Noise Level 71dB(A)
W620 D460 H720 (mm)
Net Weight 54kg

AC300



Single Phase
50Hz 1.5kW 10.2A 230V
60Hz 1.75kW 11.2A 220V

Three Phase
50Hz 1.5kW 3.7A 400V
60Hz 1.75kW 12.2A 380V

238N l/min (5 bar)

Tank Volume 45 Litres
Noise Level 73.6dB(A)
W620 D520 H750 (mm)
Net Weight 65kg

AC310

Single Phase
50Hz 1.5kW 10.2A 230V
60Hz 1.75kW 12.2A 220V

Three Phase
50Hz 1.5kW 3.7A 400V

165N l/min (8 bar) - 50Hz
205N l/min (8 bar) - 60Hz

Tank Volume 45 Litres
Noise Level 73.6dB(A)
W620 D520 H750 (mm)
Net Weight 64kg

AC400

Single Phase
50Hz Total 2.4kW 15.4A 230V
60Hz Total 3kW 18.4A 220V

Three Phase
50Hz Total 3kW 7.2A 400V
60Hz Total 3kW 18.4A 380V

320N l/min (5 bar)

Tank Volume 100 Litres
Noise Level 73dB(A)
W1155 D550 H745 (mm)
Net Weight 112kg

AC410

Single Phase
50Hz Total 2.4kW 15.4A 230V

Three Phase
50Hz Total 3kW 7.2A 400V

215N l/min (8 bar)

Tank Volume 100 Litres
Noise Level 73dB(A)
W1155 D550 H745 (mm)
Net Weight 112kg

AC600

Single Phase
50Hz Total 3kW 22A 230V

Three Phase
50Hz Total 3kW 7.2A 400V
60Hz 1.75kW 9.4A 380V

476N l/min (5 bar)

Tank Volume 150 Litres
Noise Level 74dB(A)
W1320 D590 H890 (mm)
Net Weight 137kg

AC610

Single Phase
50Hz Total 3kW 22A 230V

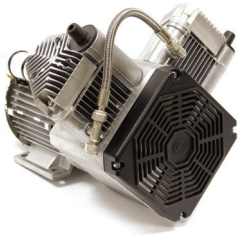
Three Phase
50Hz Total 3kW 7.4A 400V
60Hz Total 3.5kW 9.4A 380V

330N l/min (8 bar) - 50Hz
410N l/min (8 bar) - 60Hz

Tank Volume 150 Litres
Noise Level 74dB(A)
W1320 D590 H890 (mm)
Net Weight 137kg

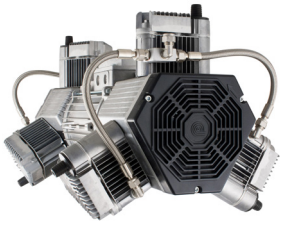
COMPRESSOR HEAD UNITS

1 Cylinder Head



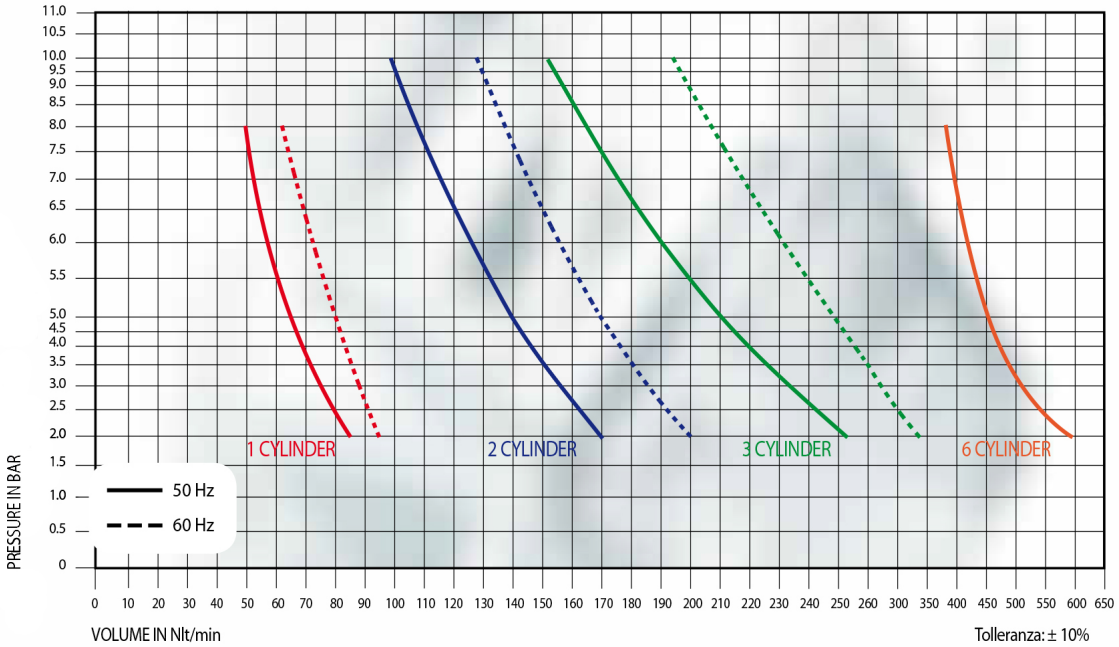
2 Cylinder Head

3 Cylinder Head



6 Cylinder Head

	Item Code	Air Flow @ 5 Bar	Phase	Volt/Hz	kW	Amp.	r.p.m	Net Weight Kg	dB (A)	Dimensions (mm)
1 Cylinder Compressor Heads										
50Hz	168619 168618	64 Nlt/min 64 Nlt/min	1 3	220-240 220-240	0.55 0.55	3.8 2.85/1.65	1400 1400	18.5 18	70 70	L190 W430 H320 L190 W430 H320
60Hz	168614 168618	80 Nlt/min 80 Nlt/min	1 3	220 260-440	0.65 0.65	4.6 2.85/1.65	1750 1750	18.5 18	72 72	L190 W430 H320 L190 W430 H320
2 Cylinder Compressor Heads										
50Hz	168629 168628	140 Nlt/min 140 Nlt/min	1 3	220 230-400	1.2 1.5	7.7 6/3.5	1400 1400	24.5 24	72 72	L400 W450 H330 L400 W450 H330
60Hz	168657 168628	170 Nlt/min 170 Nlt/min	1 3	220 265-460	1.5 1.75	8.8 6/3.5	1750 1750	24.5 24	74 74	L400 W450 H330 L400 W450 H330
3 Cylinder Compressor Heads										
50Hz	168649 168648	210 Nlt/min 210 Nlt/min	1 3	220 230-400	1.5 1.5	10.2 6/3.5	1400 1400	31 28	74 74	L435 W460 H380 L435 W460 H380
60Hz	168667 168648	250 Nlt/min 250 Nlt/min	1 3	220 265-460	1.75 1.75	12 6/3.5	1750 1750	31 28	76 76	L435 W460 H380 L435 W460 H380
6 Cylinder Compressor Heads										
50Hz	168690	450 Nlt/min	3	230-400	4	17/9.8	1500	70	76	L435 W680 H380



SMART THINKING, THE WAY WE INNOVATE.

WE HAVE BEEN SPECIALISING WITH AIR TECHNOLOGY FOR OVER 50 YEARS: SPECIALIZATION HAS GIVEN EXCELLENT RESULTS.

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HOW IS IT WE LEAD IN OUR FIELD, WHEN WE COST LESS THAN THE ALTERNATIVES? THIS IS HOW:

Constant research: this lets us apply the latest technology in all of our products and solutions.

We enhance performance: electronic and information technology allow us to increase the performance and reliability of our products.

We reduce costs: less maintenance and energy costs mean on a cost-benefit analysis we are always the most economical.

We reduce environmental impact: we save 50% on raw materials in the production stage and our customers save between 30% and 50% on electrical consumption thanks to inverter drive technology.

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