

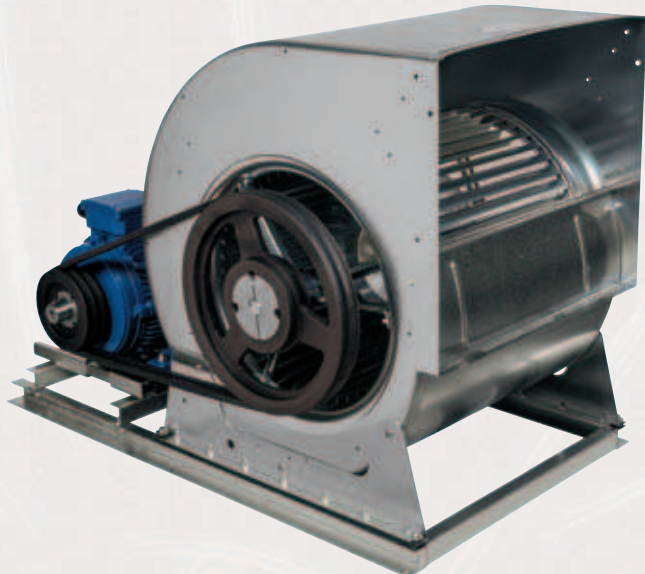
Motorizzazioni **Motorizations**

CE

L-M-H

03/2013

Listino/Catalogo
Pricelist/Catalogue

(M) 400 Vac**CINGHIA/PULEGGIA
BELT/PULLEY**Portata aria - Air flow: $500 \div 120.000 \text{ m}^3/\text{h}$
Pressione statica - Static pressure: $50 \div 2.500 \text{ Pa}$ **APPEND. L-M-H** MOTORIZZAZIONI
MOTORIZATIONS

E' disponibile una enorme gamma di motorizzazioni "L...-M...-H..." che consente di soddisfare qualsiasi richiesta di prestazione aerea "Qa-ESP" (Qa= portata aria ; ESP= pressione statica). La Motorizzazione è costituita da: 1 motore 400Vac trifase + 1 ventilatore centrifugo + 1 puleggia motore + 1 puleggia ventilatore + cinghie, slitta portamotore, antivibranti, staffe, ... in pratica è una sezione ventilante completa escluso il solo Box (Cassa di copertura) che la contiene.

In questo modo le stesse motorizzazioni "L...-M...-H..." possono essere installate su una ampia gamma di sezioni ventilanti garantendo massima flessibilità e libertà di configurazione: si riesce così ad ottenere esattamente le prestazioni aerauliche richieste per le unità CVT, UTB, GG, ... Disponibili 3 gamme "L...-M...-H..." :

- Motorizzazioni "L..." (Low): Ventilatori con pale rivolte in avanti, adatti a basse pressioni da 30-1000 Pa. Bocca premente rettangolare.
- Motorizzazioni "M..." (Medium): Ventilatori con pale rivolte in avanti, adatti a medie pressioni da 30-1500 Pa. Bocca premente quadrata.
- Motorizzazioni "H..." (High): Ventilatori con pale rovesce, adatti ad alte pressioni 600-2500 Pa. Bocca premente quadrata.

Disponibile anche gamma con motore asincrono a 6-poli (max 900 giri/min = unità estremamente silenziose), con motore asincrono a 4-poli (max 1400 giri/min = unità con alta prevalenza) e con motore BRUSHLESS

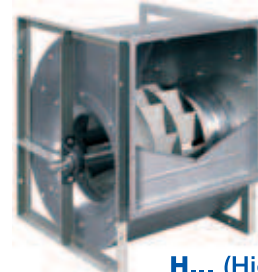
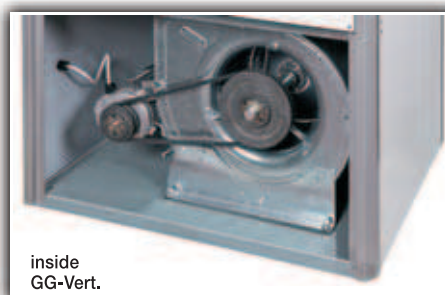
A huge range of motorizations is available "L...-M...-H..." able can satisfy any air performance request "ESP-Qa (Qa= air flow ; ESP= static pressure). The Motorizations consist of: 1 400Vac three-phase motor + 1 centrifugal fan + 1 motor-pulley + 1 fan belt, sled motor support, anti-vibration, brackets, ... it is a complete fan section with exclusion of the Box only (casing) only. In this way, the same motorizations "L...-M...-H..." can be installed on a wide range of fan sections providing maximum flexibility and freedom of configuration: finally any wished airflow performance can be obtained for the CVT, UTB, GG, ... units. Available 3 range "L...-M...-H..." :

- Motorizations "L..." (Low): Fans with forward blades, suitable for low pressures from 30-1000 Pa. Rectangular outlet.
- Motorizations "M..." (Medium): Fans with forward blades, suitable for medium pressures from 30-1500 Pa. Square outlet.
- Motorizations "H..." (High): Fans with reverse blades, suitable for high pressure, 600-2500 Pa. Square outlet.

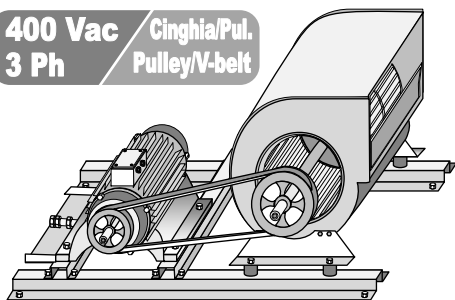
Available also range with 6-pole asynchronous motor (max 900 RPM = extremely silent unit), with 4-pole asynchronous motor (max 1400 RPM = high static pressure unit) and with BRUSHLESS motor

& APPEND.**D**230 Vac
1 Ph3 vel.
3 speed**DIRETT. ACCOPIATI
DIRECTLY COUPLED****GAMMA & APPLICAZIONI - RANGE & APPLICATIONS**

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**D...**Direttamente accoppiati
Directly coupled**L... (Low)**Bassa pressione statica
Low static pressure**M... (Med)**Media pressione statica
Medium static pressure**H... (High)**Alta pressione statica
High static pressureinside
UTB-Vert.inside
UTB-Horiz.inside
CVTinside
GG-Vert.

**400 Vac
3 Ph** Cinghia/Pul.
Pulley/V-belt



E' disponibile una enorme gamma di motorizzazioni "L...-M...-H..." che consente di soddisfare qualsiasi richiesta di prestazione aeraulica "Qa-ESP" (Qa= portata aria ; ESP= pressione statica). La Motorizzazione è costituita da: 1 motore 400Vac trifase + 1 ventilatore centrifugo + 1 puleggia motore + 1 puleggia ventilatore + cinghie, slitta portamotore, antivibranti, staffe, ... in pratica è una sezione ventilante completa escluso il solo Box (Cassa di copertura) che la contiene. In questo modo le stesse motorizzazioni "L...-M...-H..." possono essere installate su una ampia gamma di sezioni ventilanti garantendo massima flessibilità e libertà di configurazione: si riesce così ad ottenere esattamente le prestazioni aerauliche richieste per le unità CVT, UTB, GG, ...

A huge range of motorizations is available "L...-M...-H..." able can satisfy any air performance request "ESP-Qa (Qa= air flow ; ESP= static pressure). The Motorizations consist of: 1 400Vac three-phase motor + 1 centrifugal fan + 1 motor-pulley + 1 fan belt, sled motor support, anti-vibration, brackets, ... it is a complete fan section with exclusion of the Box only (casing) only. In this way, the same motorizations "L...-M...-H..." can be installed on a wide range of fan sections providing maximum flexibility and freedom of configuration: finally any wished airflow performance can be obtained for the CVT, UTB, GG, ... units.

MOTORIZZAZIONE 400Vac TRIFASE

Ogni singola motorizzazione "L...-M...-H..." è costituita da un singolo ventilatore accoppiato al proprio motore + tutti i componenti di collegamento:

- Ventilatore centrifugo a doppia aspirazione.
- Motore elettrico 400Vac trifase (standard 1-Velocità).
- Trasmissione motore/ventilatore tramite pulegge a diametro fisso e cinghie trapezoidali (a richiesta pulegge a diametro variabile).
- Basamento, realizzato in profilati di acciaio zincato di forte spessore.
- Slitta porta motore: il tensionamento della cinghia è ottenuto facilmente agendo sulla slitta portamotore.

CARATTERISTICHE DEI VENTILATORI

I ventilatori, in base alle portate e prevalenze, sono del seguente tipo:

- **Motorizzazioni "L..." (Low):** Ventilatori con pale rivolte in avanti, adatti a basse pressioni da 30-1000 Pa. Bocca premente rettangolare.
- **Motorizzazioni "M..." (Medium):** Ventilatori con pale rivolte in avanti, adatti a medie pressioni da 30-1500 Pa. Bocca premente quadrata.
- **Motorizzazioni "H..." (High):** Ventilatori con pale rovesce, adatti ad alte pressioni 600-2500 Pa. Bocca premente quadrata.

Tutti i ventilatori installati di serie sono realizzati in acciaio zincato.

I ventilatori sono di tipo centrifugo a doppia aspirazione, con albero in acciaio rettificato C40 UNI7845 sporgente sui due lati. Tutti gli alberi sono montati su cuscinetti di tipo orientabile, lubrificati a vita con grasso al litio e dimensionati per il funzionamento di almeno 20.000 ore. Ogni girante è equilibrata staticamente e dinamicamente con grado di precisione Q=6,3 secondo le norme CO.AER.NU109 e ISO1940.

Tutti i ventilatori delle Motorizzazioni "M..." ed "H..." sono dotati di telaio. La coclea è realizzata in lamiera di acciaio zincato a caldo tipo Sendzimir e assemblata senza punti di saldatura (metodo Pittsburgh) per evitare la formazione di ossidazioni.

Fra struttura portante e ventilatore sono interposti degli antivibranti per attenuare la trasmissione di eventuali vibrazioni.

Le prestazioni dei ventilatori sono conformi alle norme DIN, ISO, BS, AMCA.

- I ventilatori sono forniti nelle seguenti esecuzioni a seconda delle condizioni di lavoro:
- Esecuzione "S/E2" leggera: per ventilatori di piccole/medie dimensioni, lavoro non gravoso
 - Esecuzione "E4" rinforzata: per ventilatori di medie/grandi dimensioni, lavoro non gravoso
 - Esecuzione "E6" rinforzata: per ventilatori di medie/grandi dimensioni, lavoro gravoso
 - Esecuzione "E7" rinforzata per ventilatori di medie/grandi dimensioni, lavoro molto gravoso

CARATTERISTICHE DEI MOTORI

Motore elettrico asincrono trifase a gabbia di scoiattolo, ad 1 velocità, 4-Poli (o 2-Poli per grandi motori), IP55, Classe F, cavi elettrici protetti con doppio isolamento, serie Unel-IP55, Form B3.

A richiesta motori 2-velocità (doppia polarità del tipo a DOPPIO AVVOLGIMENTO 4/6-Poli e unico avvolgimento tipo DAHLANDER con coppia quadratica).

A richiesta motori in esecuzioni speciali (esecuzione tropicalizzata, antideflagrante ATEX, ecc.).

Costruito secondo le norme internazionali, adatto per alimentazione elettrica trifase 400Vac-3Ph-50Hz (in generale per motori fino a 3 kW è prevista tensione 230/400V-3Ph-50Hz, per i motori oltre 3kW è prevista tensione 400V/690V-3Ph-50Hz).

Tutti i motori sono adatti ad essere regolati con Inverter (salvo rispetto delle prescrizioni richieste da questo tipo di regolazione, come distanze ridotte Inverter-motore, uso di cavi schermati, ecc.).

I motori installati sono dimensionati tramite il SW del costruttore ventilatori (primarie marche: Nicotra, ecc.), con verifica della seguente regola:

$$\begin{aligned} P_{vent} < 10 \text{ kW} &\rightarrow P_{inst} = P_{vent} \times 1,2 \\ P_{vent} > 10 \text{ kW} &\rightarrow P_{inst} = P_{vent} \times 1,15 \end{aligned}$$

Tutti i motori standard sono costruiti per operare ad una temperatura ≤40°C e ad una altitudine ≤1000m s.l.m..

Per temperature ed altitudini superiori considerare i seguenti coefficienti:

Temperatura aria - Air temperature	°C	40	45	50	55	60	70
Potenza consentita /Potenza nominale - Allowed power /Nominal power	x	1,00	0,96	0,93	0,90	0,86	0,79
Altitudine sul livello del mare - Altitude above sea level	m	1000	1500	2000	2500	3000	3500
Potenza consentita /Potenza nominale - Allowed power /Nominal power	x	1,00	0,97	0,94	0,92	0,89	0,86

MOTORISATION 400Vac THREE-PHASE

Each single motorisation "L...-M...-H..." is made of a single fan coupled with its own motor + all connecting components:

- Centrifugal fan with double air inlet.
- 400Vac three-phase electric motor (standard 1-Speed)
- Motor/fan transmission with fixed pitch pulleys and V-belt (on request variable pitch pulleys).
- Support base, made of big thickness galvanized steel sheet.
- Motor holder slide: belt tightening is obtained by the adjustment of the motor holder slide.

CHARACTERISTICS OF THE FANS

The fans, based on the flow-rates and pressure gain, are the following types:

- **Motorizations "L..." (Low):** Fans with forward blades, suitable for low pressures from 30-1000 Pa. Rectangular outlet.
- **Motorizations "M..." (Medium):** Fans with forward blades, suitable for medium pressures from 30-1500 Pa. Square outlet.
- **Motorizations "H..." (High):** Fans with reverse blades, suitable for high pressure, 600-2500 Pa. Square outlet.

All the fans installed as standard are made from galvanized steel.

The fans used are centrifugal with dual intake, with ground steel shaft C40 UNI7845 protruding on both sides. All the shafts are fitted on adjustable bearings, featuring lifetime lubrication with lithium grease and rated for at least 20,000 hours of operation. Each impeller is statically and dynamically balanced with a degree of precision Q=6,3, according to the CO.AER.NU109 and ISO1940 standards.

All the fans of the Motorizations "M..." and "H..." are fitted with frames. The scroll is made from hot galvanised steel plate (Sendzimir) and assembled without welding (Pittsburgh method) to prevent oxidation. Anti-vibrators, attenuating any vibration transmission, have been placed between the bearing structure and the fans.

The performance of the fans conforms to the DIN, ISO, BS, AMCA standards.

The fans are supplied in the following executions, depending on the operating conditions:

- Execution "S/E2" basic: for small/medium fans, light work
- Execution "E4" reinforced: for medium/large fans, light work
- Execution "E6" reinforced: for medium/large fans, heavy work
- Execution "E7" reinforced: for medium/large fans, very heavy work

CHARACTERISTICS OF THE MOTORS

Asynchronous three-phase squirrel cage electric motor, 1 speed, 4-Poles (or 2-Poles for big motors), IP55, Class F, electric cables protected by double insulation, series Unel-IP55, Form B3.

On request 2-speed motors (double polarity 4/6-Poles DOUBLE WINDING type and single winding DAHLANDER type with quadratic torque).

On request motors in special configuration (tropical configuration, explosion proof ATEX, etc.).

Made according to the international standards, 400Vac-3Ph-50Hz (in general, the motor up 3kW operate at 230/400V-3Ph-50Hz, while the motors over 3kW operate at 400V/690V-3Ph-50Hz).

All the motor are suitable to be controlled by Inverter (except in compliance with the requirements with this type of regulation, like small distances Inverter-motor, shielded cables use, etc.).

The installed motors are designed with the fans manufacturer's software (primary brands: Nicotra, etc.), with verification of the following rule:

$$\begin{aligned} P_{fan} < 10 \text{ kW} &\rightarrow P_{inst} = P_{fan} \times 1,2 \\ P_{fan} > 10 \text{ kW} &\rightarrow P_{inst} = P_{fan} \times 1,15 \end{aligned}$$

All standard motors are made to operate at temperature ≤40°C and at an altitude ≤1000m a.s.l..

For higher temperatures and altitudes, consider the following coefficients:

Identificazione - Identification
es.-ex.: "L1-1.5n1960"

Tipo Motorizz. Motoriz. Type **L-M-H**

Potenza Motore Motor Power **0.55kW-...75kW**

L 1 - 1.5 n1960

Taglia - Size **1-...-17**

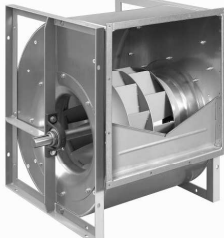
N° giri ventilatore RPM of the fan



"L..." (Low)
Motorizzazioni Basso prevalenza
(Ventilatore pale avanti, Bocca rettangolare)
Low static pressure Motorization
(Fans with forward blades, Rectangular outlet)



"M..." (Med.)
Motorizzazioni Media prevalenza
(Ventilatore pale avanti, Bocca quadrata)
Medium static pressure Motorization
(Fans with forward blades, Square outlet)



"H..." (High)
Motorizzazioni Alta prevalenza
(Ventilatore pale rovesce, Bocca quadrata)
High static pressure Motorization
(Fans with reverse blades, Square outlet)

Per tutte le motorizzazioni vengono esposti i dati prestazionali relativi ad un ampio campo di lavoro. In ogni caso viene evidenziato, con sfondo grigio sulla tabella, il campo di lavoro raccomandato, scelto per lavorare in un punto della curva prossimo al massimo rendimento.
Il campo evidenziato identifica in maniera univoca il range ottimale di portate aria per la motorizzazione in esame.

ESEMPIO DI SELEZIONE (Guida alla lettura delle Tabelle)

- Richiesta: Motorizzazione taglia "L1" che dia $Q_a=1.800\text{m}^3/\text{h}$; ESP=450Pa**
- Si entra in tabella sul Campo Q_a che contiene $Q_a=1.800\text{m}^3/\text{h}$.
 - Si trova il Campo ESP che contiene ESP=450Pa.
 - Si determina il mod. "L1-0.7" (con Prezzo listino Euro 644,00).

For all motorizations are shown performances data referring to a large working field. Anyway, the recommended working field is highlighted, with grey background on the table, selected to operate on the curve close to maximum efficiency.
The highlighted field show univocally the air flows optimum range of the specific motorization.

EXAMPLE OF SELECTION (Reading guide of the Tables)

- Requested: Motorisation size "L1" able to provide $Q_a=1.800\text{m}^3/\text{h}$; ESP=450Pa**
- Enter in the case where $Q_a=1.800\text{m}^3/\text{h}$ value is included
 - Find on the table the field where ESP=450Pa
 - Corresponding model is "L1-0.7" (with list price Euro 644,00)

L1

Mod.	Euro	kW	Amax	Qa	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
					500 - 1.000 m³/h			1.001 - 1.500 m³/h			1.501 - 2.000 m³/h			2.001 - 2.500 m³/h		
L1-0.5	611,00	0,55	1,7	Min-Max	30-300	44-55	L1-0.5n610/1440	30-550	52-62	L1-0.5n800/1940	50-340	58-62	L1-0.5n1070/1640	80-100	62-63	L1-0.5n1340/1380
L1-0.7	644,00	0,75	2,2	Min-Max	\	\	L1-0.7n1650/1950	560-680	62-64	L1-0.7n1950/2160	350-530	62-64	L1-0.7n1650/1950	110-280	63-64	L1-0.7n1390/1680
L1-1.5	755,00	1,5	4,0	Min-Max	\	\	L1-1.5n1960/2600	\	\	L1-1.5n1960/2600	540-980	64-68	L1-1.5n1960/2600	290-920	64-69	L1-1.5n1690/2550

ESP = 450 Pa

Specificare sull'ordine: "mod. L1-0.7 con $Q_a=1.800\text{m}^3/\text{h}$; ESP=450Pa"

- il nostro ufficio tecnico selezionerà l'esatto mod. "L1-0.7n..." di motorizzazione che garantisce $Q_a=1.800\text{m}^3/\text{h}$; ESP=450Pa → **Sarà una motorizzazione "L1-0.7n1800"**:
- compresa fra i 2 modelli di motorizzazione "L1-0.7n1650" e "L1-0.7n1950"
 - con numero giri ventilatore $n=1.800$ giri/min (compreso fra $n=1.650+1.950$ giri/min)
 - con pressione sonora 63 dB(A), (compresa all'interno del campo 62+64 dB(A))
 - con motore 400Vac trifase : 0,75 kW ; 2,2 Amax.
- kW Potenza elettrica del motore installato (Motore 400Vac trifase).
- Amax Assorbimento elettrico nominale (= max. di targa) del motore.
- Qa Campo Portata aria (Valore MAX = Portata aria nominale per il calcolo del campo ESP Min-Max).
- Pa Campo Pressione statica utile (ESP). All'interno del campo Q_a , il valore ESP Min è da ritenersi anche come limite minimo di funzionamento. Con ESP<Min l'assorb. elettrico supera quello nominale, con rottura per sovrassorbimento-surriscaldamento. All'interno del Campo il motore elettrico lavora in sicurezza.
- dB(A) Pressione sonora a 5m in campo libero.
- Motoriz. Modello Motorizzazione (definisce motore, ventilatore, pulegge, RPM, ecc.). In base alla precisa coppia "Qa-ESP" richiesta, viene fornito il mod. "L1-0.7n..." (o "M1-0.7n...", o "H1-0.7n...") con il numero di giri "n" necessario a soddisfare le esigenze.

Specify on the order: "mod. L1-0.7 with $Q_a=1.800\text{m}^3/\text{h}$; ESP=450Pa"

- our technical department will select the exact motorization mod. "L1-0.7n..." able to guarantee $Q_a=1.800\text{m}^3/\text{h}$; ESP=450Pa → **Motorisation will be "L1-0.7n1800"**:
- between 2 motorization models "L1-0.7n1650" and "L1-0.7n1950"
 - with RPM of the fan $n=1.800$ RPM (between $n=1.650+1.900$ RPM)
 - with sound pressure 63 dB(A), (between range 62+64 dB(A))
 - with motor 400Vac three-phase : 0,75 kW ; 2,2 Amax
- kW Electric power of the motor (Three-phase 400Vac motor).
- Amax Nominal electric absorption of the motor (=max. plate data).
- Qa Air flow range (Value MAX = Nominal air flow to calculated the ESP Min-Max range).
- Pa Available static pressure range (ESP). Within the Q_a range, the Min ESP value must be considered as minimum working limit. With ESP<Min the electrical current absorption will be above the nominal value, with over-absorption/overheating and consequent damaging of the motor. Within the working range the electric motor will work in safety.
- dB(A) Sound pressure at 5m in free field.
- Motoriz. Motorisation model (define the motor, the fan, pulleys, RPM, etc...). Depending on the requested "Qa-ESP" pair, the "L1-0.7n..." (or "M1-0.7n..." or "H1-0.7n...") model is supplied with suitable "n" RPM value.

L1 - M1 - H1

Mod.	Euro	kW	Amax	Qa	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
					500 - 1.000 m³/h			1.001 - 1.500 m³/h			1.501 - 2.000 m³/h			2.001 - 2.500 m³/h		
L1-0.5	611,00	0,55	1,7	Min-Max	30-300	44-55	L1-0.5n610/1440	30-550	52-62	L1-0.5n800/1940	50-340	58-62	L1-0.5n1070/1640	80-100	62-63	L1-0.5n1340/1380
L1-0.7	644,00	0,75	2,2	Min-Max	\	\	L1-0.7n1650/1950	560-680	62-64	L1-0.7n1950/2160	350-530	62-64	L1-0.7n1650/1950	110-280	63-64	L1-0.7n1390/1680
L1-1.5	755,00	1,5	4,0	Min-Max	\	\	L1-1.5n1960/2600	\	\	L1-1.5n1960/2600	540-980	64-68	L1-1.5n1960/2600	290-920	64-69	L1-1.5n1690/2550
L1-2.2	922,00	2,2	6,0	Min-Max	\	\	L1-2.2n2270/2600	\	\	L1-2.2n2270/2600	930-960	69-69	L1-2.2n2560/2600	\	\	\
M1-0.5	702,00	0,55	1,7	Min-Max	110-280	44-53	M1-0.5n1030/1640	70-480	50-59	M1-0.5n1030/2090	60-310	56-58	M1-0.5n1200/1760	90	61	M1-0.5n1480
M1-0.7	735,00	0,75	2,2	Min-Max	\	\	M1-0.7n2100/2400	490-630	60-63	M1-0.7n2100/2400	320-480	59-61	M1-0.7n1770/2110	100-260	61-62	M1-0.7n1490-1840
M1-1.5	846,00	1,5	4,0	Min-Max	\	\	M1-1.5n2120-3100	\	\	M1-1.5n2120-3100	490-1030	61-69	M1-1.5n2120-3100	270-810	62-67	M1-1.5n1850-2770
M1-2.2	1.013,00	2,2	6,0	Min-Max	\	\	M1-2.2n3110-3220	\	\	M1-2.2n3110-3220	1040-1120	69-70	M1-2.2n3110-3220	820-1230	67-71	M1-2.2n2780/3370
M1-3.0	1.084,00	3,0	7,5	Min-Max	\	\	\	\	\	\	\	\	1240-1660	71-75	M1-3.0n3380/3930	\
H1-0.5	911,00	0,55	1,7	Min-Max	90-890	50-61	H1-0.5n2480/4500	190-560	60-62	H1-0.5n3680/4470	\	\	\	\	\	\
H1-0.7	944,00	0,75	2,2	Min-Max	900-1190	61-64	H1-0.7n4510/5040	570-830	62-64	H1-0.7n4480/5000	340-440	67-67	H1-0.7n4900/5040	\	\	\
H1-1.5	1.055,00	1,5	4,0	Min-Max	1200-1410	64-66	H1-1.5n5050/5400	840-1850	64-70	H1-1.5n5010/6580	450-1370	67-71	H1-1.5n5050/6530	520-870	72-73	H1-1.5n6040/6620
H1-2.2	1.222,00	2,2	6,0	Min-Max	\	\	\	1860-2050	70-71	H1-2.2n6590/6800	1380-1570	71-72	H1-2.2n6540/6800	880-1000	73-73	H1-2.2n6630/6800
					2.501 - 3.000 m³/h			3.001 - 3.500 m³/h			3.501 - 4.000 m³/h			4.001 - 4.500 m³/h		
L1-1.5	755,00	1,5	4,0	Min-Max	110-600	66-69	L1-1.5n1600/2260	140-240	69-70	L1-1.5n1850/1990	\	\	\	\	\	\
L1-2.2	922,00	2,2	6,0	Min-Max	610-890	69-71	L1-2.2n2270/2600	250-700	70-72	L1-2.2n2000/2520	190-300	72-72	L1-2.2n2120/2260	\	\	\
L1-3.0	993,00	3,0	7,5	Min-Max	\	\	\	710-770	72-72	L1-3.0n2530/2600	310-620	72-74	L1-3.0n2270/2600	230-320	74-75	L1-3.0n2380/2480
M1-1.5	846,00	1,5	4,0	Min-Max	130-550	65-67	M1-1.5n1750/2470	180-220	68-68	M1-1.5n2070/2150	\	\	\	\	\	\
M1-2.2	1.013,00	2,2	6,0	Min-Max	560-970	67-70	M1-2.2n2480/3030	230-660	68-70	M1-2.2n2160/2700	230-270	71-71	M1-2.2n2370/2430	\	\	\
M1-3.0	1.084,00	2,0	7,5	Min-Max	980-1390	70-73	M1-3.0n3040/3570	670-1080	70-72	M1-3.0n2710/3300	280-720	71-72	M1-3.0n2440/3000	\	\	\

L2 - M2 - H2

(RQa=2000.3000)
(L2=0907) : (RPM-P) = (2500-3.0)
(M2=200) : (RPM-P) = (3800-4.0)2 ; (3800-4.0)4
(H2=200) : (RPM-P) = (6000-3.0)2 ; (6800-3.0)4

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	500 – 1.000 m³/h			1.001 – 1.500 m³/h			1.501 – 2.000 m³/h			2.001 – 2.500 m³/h		
L2-0.5	628,00	0,55	1,7	Min-Max	90-220	41-50	L2-0.5n630/1020	70-500	48-60	L2-0.5n610/1540	70-470	54-60	L2-0.5n700/1450	100-310	59-60	L2-0.5n870/1210
L2-0.7	661,00	0,75	2,2	Min-Max	\			\			480-650	60-63	L2-0.7n1460/1730	320-490	60-61	L2-0.7n1220/1480
L2-1.5	772,00	1,5	4,0	Min-Max	\			\			660-900	63-67	L2-1.5n1740/2070	500-1090	62-69	L2-1.5n1490/2240
L2-2.2	939,00	2,2	6,0	Min-Max	\			\			\			1100-1320	69-71	L2-2.2n2250/2500
M2-0.5	714,00	0,55	1,7	Min-Max	90-130	42-46	M2-0.5n800/1000	90-300	47-55	M2-0.5n800/1500	60-330	53-57	M2-0.5n820/1570	60-230	58-59	M2-0.5n940/1340
M2-0.7	747,00	0,75	2,2	Min-Max	\			\			340-450	58-61	M2-0.7n1580/1840	240-350	59-60	M2-0.7n1350/1580
M2-1.5	858,00	1,5	4,0	Min-Max	\			\			460-540	61-63	M2-1.5n1850/2070	360-750	60-67	M2-1.5n1590/2350
M2-2.2	1.025,00	2,2	6,0	Min-Max	\			\			\			760-840	67-68	M2-2.2n2360/2550
H2-0.5	927,00	0,55	1,7	Min-Max	130-870	46-62	H2-0.5n1970/3820	130-640	55-60	H2-0.5n3560/3750	220-400	61-62	H2-0.5n3370/3790	\		
H2-0.7	960,00	0,75	2,2	Min-Max	880-900	62-62	H2-0.7n3830/3850	650-880	60-63	H2-0.7n3760/4200	410-630	62-64	H2-0.7n3800/4230	\		
H2-1.5	1.071,00	1,5	4,0	Min-Max	\			890-1800	63-72	H2-1.5n4210/5560	640-1470	64-70	H2-1.5n4240/5410	350-1140	66-70	H2-1.5n4240/5410
H2-2.2	1.238,00	2,2	6,0	Min-Max	\			1810-2020	72-74	H2-2.2n5570/5850	1480-1880	70-74	H2-2.2n5620/6000	1150-1560	70-73	H2-2.2n5420/6000
H2-3.0	1.309,00	3,0	7,5	Min-Max	\			\			1890-2580	74-81	H2-3.0n6010/6800	1570-2260	73-79	H2-3.0n6010/6800
				Qa	2.501 – 3.000 m³/h			3.001 – 3.500 m³/h			3.501 – 4.000 m³/h			4.001 – 4.500 m³/h		
L2-0.7	661,00	0,75	2,2	Min-Max	140-280	63-63	L2-0.7n1030/1240	\			\			\		
L2-1.5	772,00	1,5	4,0	Min-Max	290-890	63-67	L2-1.5n1250/1990	190-650	66-67	L2-1.5n1210/1740	250-380	69-69	L2-1.5n1380/1530	\		
L2-2.2	939,00	2,2	6,0	Min-Max	900-1340	68-71	L2-2.2n2000/2470	660-1110	67-70	L2-2.2n1750/2220	390-830	69-70	L2-2.2n1540/1970	310-520	71-72	L2-2.2n1550/1750
L2-3.0	1.010,00	3,0	7,5	Min-Max	1350-1370	71-71	L2-3.0n2480/2500	1120-1400	70-72	L2-3.0n2230/2500	840-1300	70-72	L2-3.0n1980/2400	530-980	72-72	L2-3.0n1760/2160
M2-0.7	747,00	0,75	2,2	Min-Max	90-210	61-62	M2-0.7n1120/1400	\			\			\		
M2-1.5	858,00	1,5	4,0	Min-Max	220-630	62-66	M2-1.5n1410/2200	120-490	65-66	M2-1.5n1340/1940	150-270	66-67	M2-1.5n1570/1660	\		
M2-2.2	1.025,00	2,2	6,0	Min-Max	640-930	66-69	M2-2.2n2210/2660	500-790	66-69	M2-2.2n1950/2430	280-620	67-69	M2-2.2n1670/2140	190-370	70-70	M2-2.2n1680/1910
M2-3.0	1.096,00	3,0	7,5	Min-Max	940-1220	70-73	M2-3.0n2670/3000	800-1100	69-72	M2-3.0n2440/2860	630-940	69-71	M2-3.0n2150/2640	380-740	70-72	M2-3.0n1920/2400
M2-4.0	1.416,00	4,0	9,5	Min-Max	\			1110-1440	72-75	M2-4.0n2870/3300	950-1280	71-74	M2-4.0n2680/3040	750-1100	72-74	M2-4.0n2410/2870
H2-1.5	1.071,00	1,5	4,0	Min-Max	490-780	71-72	H2-1.5n5100/5560	\			\			\		
H2-2.2	1.238,00	2,2	6,0	Min-Max	790-1160	72-73	H2-2.2n5570/6000	670-690	75-75	H2-2.2n5990/6000	\			\		
H2-3.0	1.309,00	3,0	7,5	Min-Max	1170-1870	73-79	H2-3.0n6010/6800	700-1390	75-77	H2-3.0n6010/6800	\			\		
				Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h		
L2-3.0	1.010,00	3,0	7,5	Min-Max	380-640	73-74	L2-3.0n1720/1950	\			\			\		
M2-3.0	1.096,00	3,0	7,5	Min-Max	240-460	72-72	M2-3.0n1900/2150	\			\			\		
M2-4.0	1.416,00	4,0	9,5	Min-Max	470-870	72-74	M2-4.0n2160/2570	290-560	74-74	M2-4.0n2070/2390	\			\		

L3 - M3 - H3

(RQa=3000.4000)
(L3=0909) : (RPM-P) = (2100-3.0)
(M3=225) : (RPM-P) = (3400-4.0)2 ; (3400-4.0)4
(H3=225) : (RPM-P) = (5800-4.0)2 ; (6000-3.0)4

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	500 – 1.000 m³/h		1.001 – 1.500 m³/h		1.501 – 2.000 m³/h		2.001 – 2.500 m³/h					
L3-0.5	636,00	0,55	1,7	Min-Max	70-110	38-42	L3-0.5n560/730	70-250	43-52	L3-0.5n560/1100	50-450	49-58	L3-0.5n550/1480	50-360	54-57	L3-0.5n620/1280
L3-0.7	669,00	0,75	2,2	Min-Max	\			\			\			370-500	57-60	L3-0.7n1290/1530
L3-1.5	780,00	1,5	4,0	Min-Max	\			\			\			510-710	60-64	L3-1.5n1540/1860
M3-0.5	736,00	0,55	1,7	Min-Max	\			130-190	44-48	M3-0.5n800/1000	130-330	45-55	M3-0.5n820/1340	110-300	47-54	M3-0.5n820/1260
M3-0.7	769,00	0,75	2,2	Min-Max	\			\			\			310-420	54-58	M3-0.7n1270/1480
M3-1.5	880,00	1,5	4,0	Min-Max	\			\			\			430-530	58-61	M3-1.5n1490/1660
H3-0.5	942,00	0,55	1,7	Min-Max	130-550	40-55	H3-0.5n1550/2610	80-660	46-57	H3-0.5n1730/3000	150-480	53-57	H3-0.5n2300/2980	230-300	58-59	H3-0.5n2840/3000
H3-0.7	975,00	0,75	2,2	Min-Max	\			670-880	57-60	H3-0.7n3010/3400	490-680	57-59	H3-0.7n2990/3340	310-480	59-60	H3-0.7n3010/3350
H3-1.5	1.086,00	1,5	4,0	Min-Max	\			890-1250	61-65	H3-1.5n3410/4000	690-1470	59-67	H3-1.5n3350/4440	490-1220	60-66	H3-1.5n3360/4390
H3-2.2	1.253,00	2,2	6,0	Min-Max	\			\			1480-2060	67-72	H3-2.2n4450/5110	1230-1780	66-70	H3-2.2n4400/5000
H3-3.0	1.324,00	3,0	7,5	Min-Max	\			\			2070-2230	72-73	H3-3.0n5120/5360	1790-2360	70-74	H3-3.0n5010/5650
H3-4.0	1.644,00	4,0	9,5	Min-Max	\			\			\			2370-2540	74-75	H3-4.0n5660/5800
				Qa	2.501 – 3.000 m³/h		3.001 – 3.500 m³/h		3.501 – 4.000 m³/h		4.001 – 4.500 m³/h					
L3-0.5	636,00	0,55	1,7	Min-Max	70-250	57-58	L3-0.5n740/1090	90-120	61-61	L3-0.5n850/910	\			\		
L3-0.7	669,00	0,75	2,2	Min-Max	260-400	58-60	L3-0.7n1100/1340	130-270	61-61	L3-0.7n920/1160	110-120	64-64	L3-0.7n960/990	\		
L3-1.5	780,00	1,5	4,0	Min-Max	410-880	60-66	L3-1.5n1350/2050	280-750	61-65	L3-1.5n1170/1860	130-600	64-65	L3-1.5n1000/1650	140-430	66-66	L3-1.5n1090/1470
L3-2.2	947,00	2,2	6,0	Min-Max	890-910	66-66	L3-2.2n2060/2100	760-940	65-67	L3-2.2n1870/2100	610-960	65-68	L3-2.2n1660/2100	440-800	67-68	L3-2.2n1480/1900
L3-3.0	1.018,00	3,0	7,5	Min-Max	\			\			\			810-970	68-69	L3-3.0n1910/2100
M3-0.5	736,00	0,55	1,7	Min-Max	80-220	51-52	M3-0.5n800/1090	70-100	54-54	M3-0.5n850/920	\			\		
M3-0.7	769,00	0,75	2,2	Min-Max	230-330	53-55	M3-0.7n1110/1330	110-230	54-55	M3-0.7n930/1130	90	57	M3-0.7n1000	\		
M3-1.5	880,00	1,5	4,0	Min-Max	340-740	56-65	M3-1.5n1340/1960	240-630	55-62	M3-1.5n1140/1770	100-510	57-61	M3-1.5n1010/1660	120-370	59-60	M3-1.5n1130/1490
M3-2.2	1.047,00	2,2	6,0	Min-Max	750-760	65-65	M3-2.2n1970/2000	640-930	63-68	M3-2.2n1780/2230	520-810	61-66	M3-2.2n1670/2040	380-680	60-64	M3-2.2n1500/1880
M3-3.0	1.118,00	3,0	7,5	Min-Max	\			940-1030	68-69	M3-3.0n2240/2360	820-1110	66-70	M3-3.0n2050/2400	690-980	64-68	M3-3.0n1890/2280
M3-4.0	1.438,00	4,0	9,5	Min-Max	\			\			1120-1350	70-72	M3-4.0n2410/2730	990-1320	68-72	M3-4.0n2290/2680
H3-1.5	1.086,00	1,5	4,0	Min-Max	320-960	63-66	H3-1.5n3370/4310	440-690	66-68	H3-1.5n3950/4330	\			\		
H3-2.2	1.253,00	2,2	6,0	Min-Max	970-1480	66-69	H3-2.2n4320/4990	700-1190	68-70	H3-2.2n4340/4960	570-890	70-71	H3-2.2n4520/4950	\		
H3-3.0	1.324,00	3,0	7,5	Min-Max	1490-2050	69-72	H3-3.0n5000/5490	1200-1720	70-72	H3-3.0n4970/5450	900-1390	71-73	H3-3.0n4960/5420	720-1060	73-74	H3-3.0n5100/5450
H3-4.0	1.644,00	4,0	9,5	Min-Max	2060-2330	72-75	H3-4.0n5500/5800	1730-2050	72-74	H3-4.0n5460/5800	1400-1720	73-74	H3-4.0n5430/5800	1070-1370	74-75	H3-4.0n5460/5800
				Qa	4.501 – 5.000 m³/h		5.001 – 5.500 m³/h		5.501 – 6.000 m³/h		6.001 – 6.500 m³/h					
L3-1.5	780,00	1,5	3,8	Min-Max	180-240	68-68	L3-1.5n1200/1300	\			\			\		
L3-2.2	947,00	2,2	6,0	Min-Max	250-610	68-69	L3-2.2n1310/1710	210-400	70-70	L3-2.2n1330/1540	\			\		
L3-3.0	1.018,00	3,0	7,5	Min-Max	620-970	69-70	L3-3.0n1720/2100	410-770	70-71	L3-3.0n1550/1920	250-540	72-72	L3-3.0n1410/1750	290-300	73-73	L3-3.0n1570/1580
M3-1.5	880,00	1,5	4,0	Min-Max	140-200	62-62	M3-1.5n1260/1330	\			\			\		
M3-2.2	1.047,00	2,2	6,0	Min-Max	210-520	62-63	M3-2.2n1340/1680	170-340	64-64	M3-2.2n1350/1590	\			\		
M3-3.0	1.118,00	3,0	7,5	Min-Max	530-830	63-66	M3-3.0n1690/2040	350-660	64-65	M3-3.0n1600/1900	210-460	66-66	M3-3.0n1510/1730	\		
M3-4.0	1.438,00	4,0	9,5	Min-Max	840-1170	66-70	M3-4.0n2050/2440	670-1010	66-68	M3-4.0n1910/2300	470-830	66-68	M3-4.0n1740/2140	240-610	67-68	M3-4.0n1620/1950
H3-4.0	1.644,00	4,0	9,5	Min-Max	890-1000	75-76	H3-4.0n5660/5800	\			\			\		

L4

L4

(RQa=4000.4500)

(L4=1008) : (RPM-P)=(2500-3.0)

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	
					Qa	500 – 1.000 m³/h			1.001 – 1.500 m³/h			1.501 – 2.000 m³/h			2.001 – 2.500 m³/h		
L4-0.5	658,00	0,55	1,7	Min-Max	80-110	41-44	L4-0.5n530/630	70-250	44-53	L4-0.5n500/950	60-450	49-60	L4-0.5n520/1280	40-370	53-59	L4-0.5n540/1140	
L4-0.7	691,00	0,75	2,2	Min-Max	\			\			\			380-520	60-62	L4-0.7n1150/1360	
L4-1.5	802,00	1,5	4,0	Min-Max	\			\			\			530-700	63-65	L4-1.5n1370/1600	
					Qa	2.501 – 3.000 m³/h			3.001 – 3.500 m³/h			3.501 – 4.000 m³/h			4.001 – 4.500 m³/h		
L4-0.5	658,00	0,55	1,7	Min-Max	60-260	57-59	L4-0.5n650/970	80-130	60-61	L4-0.5n750/830	\			\			
L4-0.7	691,00	0,75	2,2	Min-Max	270-400	59-61	L4-0.7n980/1190	140-270	61-62	L4-0.7n840/1030	100-120	63-63	L4-0.7n860/890	\			
L4-1.5	802,00	1,5	4,0	Min-Max	410-910	61-68	L4-1.5n1200/1810	280-770	63-67	L4-1.5n1040/1640	130-610	63-66	L4-1.5n900/1470	130-440	66-68	L4-1.5n970/1310	
L4-2.2	969,00	2,2	6,0	Min-Max	920-1010	68-69	L4-2.2n1820/1920	780-1150	67-71	L4-2.2n1650/2030	620-980	66-70	L4-2.2n1480/1850	450-810	68-69	L4-2.2n1320/1690	
L4-3.0	1.040,00	3,0	7,5	Min-Max	\			1160-1380	71-72	L4-3.0n2040/2240	990-1370	70-73	L4-3.0n1860/2210	820-1190	69-72	L4-3.0n1700/2040	
					Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h		
L4-1.5	802,00	1,5	4,0	Min-Max	160-250	68-68	L4-1.5n1080/1170	\			\			\			
L4-2.2	969,00	2,2	6,0	Min-Max	260-620	68-70	L4-2.2n1180/1530	190-410	70-70	L4-2.2n1180/1380	\			\			
L4-3.0	1.040,00	3,0	7,5	Min-Max	630-990	70-71	L4-3.0n1540/1870	420-780	70-72	L4-3.0n1390/1710	230-550	72-72	L4-3.0n1300/1560	260-300	73-73	L4-3.0n1400/1430	

L5 - M5 - H5

L5 - M5 - H5																(RQa=4000.5000 (L5=1010) : (RPM-P)=(2000-4.0) (M5=250) : (RPM-P) = (2800-4.0)2 ; (3000-7.5)4 (H5=250) : (RPM-P) = (4600-4.0)2 ; (5400-5.5)4			
Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)			
				Qa	500 – 1.000 m³/h			1.001 – 1.500 m³/h			1.501 – 2.000 m³/h			2.001 – 2.500 m³/h					
L5-0.5	667,00	0,55	1,7	Min-Max	\			110-120	43-44	L5-0.5n630/660	110-210	46-51	L5-0.5n630/870	100-330	49-56	L5-0.5n600/1100			
M5-0.5	769,00	0,55	1,7	Min-Max	\			120	43	M5-0.5n720	120-220	45-51	M5-0.5n720/990	120-320	48-55	M5-0.5n740/1200			
M5-0.7	802,00	0,75	2,2	Min-Max	\			\			\			330-350	55-56	M5-0.7n1210/1270			
H5-0.5	960,00	0,55	1,7	Min-Max	150-240	44-48	H5-0.5n1220/1500	100-550	48-58	H5-0.5n1220/2280	80-550	52-60	H5-0.5n1360/2400	120-430	58-62	H5-0.5n1720/2320			
H5-0.7	993,00	0,75	2,2	Min-Max	\			\			560-740	60-62	H5-0.7n2410/2670	440-600	62-63	H5-0.7n2330/2540			
H5-1.5	1.104,00	1,5	4,0	Min-Max	\			\			750-980	62-65	H5-1.5n2680/3000	610-1290	63-69	H5-1.5n2550/3510			
H5-2.2	1.271,00	2,2	6,0	Min-Max	\			\			\			1300-1540	69-71	H5-2.2n3520/3800			
				Qa	2.501 – 3.000 m³/h			3.001 – 3.500 m³/h			3.501 – 4.000 m³/h			4.001 – 4.500 m³/h					
L5-0.5	667,00	0,55	1,7	Min-Max	90-300	52-56	L5-0.5n610/1030	70-230	55-57	L5-0.5n620/910	80-130	58-58	L5-0.5n680/770	\					
L5-0.7	700,00	0,75	2,2	Min-Max	310-430	56-59	L5-0.7n1040/1250	240-350	57-59	L5-0.7n920/1110	140-260	58-59	L5-0.7n780/980	100-150	60-60	L5-0.7n770/850			
L5-1.5	811,00	1,5	4,0	Min-Max	440-480	59-60	L5-1.5n1260/1330	360-660	59-64	L5-1.5n1120/1550	270-670	59-64	L5-1.5n990/1550	160-570	61-64	L5-1.5n860/1420			
L5-2.2	978,00	2,2	6,0	Min-Max	\			\			680-860	65-67	L5-2.2n1560/1770	580-880	64-67	L5-2.2n1430/1780			
L5-3.0	1.049,00	3,0	7,5	Min-Max	\			\			\			890-1090	68-70	L5-3.0n1790/2000			
M5-0.5	769,00	0,55	1,7	Min-Max	100-270	51-55	M5-0.5n690/1060	80-200	54-55	M5-0.5n720/940	70-120	57-57	M5-0.5n750/850	\					
M5-0.7	802,00	0,75	2,2	Min-Max	280-370	55-57	M5-0.7n1070/1260	210-310	55-57	M5-0.7n950/1190	130-230	57-58	M5-0.7n860/1010	80-130	59-59	M5-0.7n850/910			
M5-1.5	913,00	1,5	4,0	Min-Max	380-500	58-60	M5-1.5n1270/1500	320-660	57-64	M5-1.5n1200/1660	240-590	58-63	M5-1.5n1020/1570	140-500	59-63	M5-1.5n920/1420			
M5-2.2	1.080,00	2,2	6,0	Min-Max	\			670-690	64-64	M5-2.2n1670/1780	600-860	63-67	M5-2.2n1580/1910	510-770	63-66	M5-2.2n1430/1810			
M5-3.0	1.151,00	3,0	7,5	Min-Max	\			\			870-900	67-67	M5-3.0n1920/2020	780-1040	66-69	M5-3.0n1820/2170			
M5-4.0	1.471,00	4,0	9,5	Min-Max	\			\			\			1050-1140	69-70	M5-4.0n2180/2200			
H5-0.5	960,00	0,55	1,7	Min-Max	180-300	62-63	H5-0.5n2070/2280	\			\			\					
H5-0.7	993,00	0,75	2,2	Min-Max	310-470	63-65	H5-0.7n2290/2520	240-320	65-66	H5-0.7n2400/2530	\			\					
H5-1.5	1.104,00	1,5	4,0	Min-Max	480-1110	65-69	H5-1.5n2530/3370	330-940	66-69	H5-1.5n2540/3360	310-750	68-71	H5-1.5n2740/3330	390-560	71-72	H5-1.5n3130/3340			
H5-2.2	1.271,00	2,2	6,0	Min-Max	1120-1610	69-72	H5-2.2n3380/3960	950-1410	70-72	H5-2.2n3370/3830	760-1210	71-73	H5-2.2n3340/3800	570-1000	72-74	H5-2.2n3350/3800			
H5-3.0	1.342,00	3,0	7,5	Min-Max	1620-2140	72-75	H5-3.0n3970/4480	1420-1910	72-74	H5-3.0n3840/4360	1220-1680	73-75	H5-3.0n3810/4250	1010-1460	74-75	H5-3.0n3810/4250			
H5-4.0	1.662,00	4,0	9,5	Min-Max	2150-2210	75-75	H5-4.0n4490/4520	1920-2170	74-76	H5-4.0n4370/4600	1690-2030	75-76	H5-4.0n4260/4600	1470-1870	75-76	H5-4.0n4260/4600			
H5-5.5	2.346,00	5,5	13,0	Min-Max	\			2180-3020	76-79	H5-5.5n4610/5340	2040-3010	76-79	H5-5.5n4610/5400	1880-2740	77-79	H5-5.5n4610/5300			
				Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h					
L5-1.5	811,00	1,5	4,0	Min-Max	120-450	63-64	L5-1.5n850/1280	150-320	65-65	L5-1.5n940/1150	170	67	L5-1.5n1020	\					
L5-2.2	978,00	2,2	6,0	Min-Max	460-760	64-67	L5-2.2n1290/1640	330-640	65-67	L5-2.2n1160/1510	180-490	67-67	L5-2.2n1030/1370	200-330	68-68	L5-2.2n1100/1240			
L5-3.0	1.049,00	3,0	7,7	Min-Max	770-1080	67-70	L5-3.0n1650/1970	650-950	67-69	L5-3.0n1520/1830	500-810	67-69	L5-3.0n1380/1700	340-660	68-69	L5-3.0n1250/1560			
L5-4.0	1.369,00	4,0	9,5	Min-Max	1090-1110	70-70	L5-4.0n1980/2000	960-1120	69-70	L5-4.0n1840/2000	820-1130	69-71	L5-4.0n1710/2000	670-1020	69-71	L5-4.0n1570/1900			
M5-1.5	913,00	1,5	4,0	Min-Max	100-400	61-63	M5-1.5n910/1340	120-280	63-64	M5-1.5n1000/1200	150	65	M5-1.5n1130	\					
M5-2.2	1.080,00	2,2	6,0	Min-Max	410-670	63-66	M5-2.2n1350/1680	290-560	64-66	M5-2.2n1210/1590	160-440	65-66	M5-2.2n1140/1430	170-290	67-67	M5-2.2n1200/1340			
M5-3.0	1.151,00	3,0	7,5	Min-Max	680-940	66-69	M5-3.0n1690/2030	570-840	66-68	M5-3.0n1600/1900	450-720	66-68	M5-3.0n1440/1800	300-580	67-68	M5-3.0n1350/1620			
M5-4.0	1.471,00	4,0	9,5	Min-Max	950-1250	69-72	M5-4.0n2040/2300	850-1150	68-71	M5-4.0n1910/2190	730-1030	68-70	M5-4.0n1810/2070	590-900	68-70	M5-4.0n1630/1950			
M5-5.5	2.077,00	5,5	13,0	Min-Max	1260-1400	72-73	M5-5.5n2310/2500	1160-1560	71-75	M5-5.5n2200/2550	1040-1450	70-74	M5-5.5n2080/2520	910-1320	70-73	M5-5.5n1960/2320			
M5-7.5	2.293,00	7,5	17,0	Min-Max	\			1570-1700	75-76	M5-7.5n2560/2730	1460-1950	74-77	M5-7.5n2530/2900	1330-1820	73-77	M5-7.5n2330/2820			
H5-2.2	1.271,00	2,2	6,0	Min-Max	480-780	73-75	H5-2.2n3420/3710	\			\			\					
H5-3.0	1.342,00	3,0	7,5	Min-Max	790-1230	75-76	H5-3.0n3720/4200	580-990	75-77	H5-3.0n3780/4200	700-740	77-77	H5-3.0n4100/4190	\					
H5-4.0	1.662,00	4,0	9,5	Min-Max	1240-1690	76-77	H5-4.0n4210/4600	1000-1480	77-78	H5-4.0n4210/4600	750-1230	77-79	H5-4.0n4200/4600	810-960	79-79	H5-4.0n4480/4600			
H5-5.5	2.346,00	5,5	13,0	Min-Max	1700-2460	77-79	H5-5.5n4610/5200	1490-2190	78-79	H5-5.5n4610/5150	1240-1910	79-80	H5-5.5n4610/5100	970-1060	79-81	H5-5.5n4610/5100			
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h					
L5-3.0	1.049,00	3,0	7,7	Min-Max	240-490	70-70	L5-3.0n1200/1430	270-300	71-71	L5-3.0n1280/1310	\			\					
L5-4.0	1.369,00	4,0	9,5	Min-Max	500-860	70-71	L5-4.0n1440/1770	310-670	71-72	L5-4.0n1320/1630	310-480	73-73	L5-4.0n1370/1510	\					
M5-3.0	1.151,00	3,0	7,5	Min-Max	200-430	69-69	M5-3.0n1260/1500	230-270	70-70	M5-3.0n1380/1430	\			\					
M5-4.0	1.471,00	4,0	9,5	Min-Max	440-760	69-70	M5-4.0n1510/1850	280-590	70-71	M5-4.0n1440/1740	260-420	71-72	M5-4.0n1440/1640	\					
M5-5.5	2.077,00	5,5	13,0	Min-Max	770-1180	70-73	M5-5.5n1860/2240	600-1030	71-72	M5-5.5n1750/2140	430-860	72-73	M5-5.5n1650/2000	290-670	73-73	M5-5.5n1600/1860			
M5-7.5	2.293,00	7,5	17,0	Min-Max	1190-1680	73-76	M5-7.5n2250/2670	1040-1540	72-75	M5-7.5n2150/2550	870-1380	73-75	M5-7.5n2010/2440	680-1200	73-75	M5-7.5n1870/2300			
H5-5.5	2.346,00	5,5	13,0	Min-Max	940-1320	80-81	H5-5.5n4770/5100	\			\			\					

L6 - M6 - H6

(RQa=5000.6500)
(L6=1209) : (RPM-P) = (2000-5.5)
(M6=280) : (RPM-P) = (2500-5.5)2 : (2700-11)4
(H6=280) : (RPM-P) = (4000-5.5)2 : (4700-7.5)4

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	2.501 – 3.000 m³/h			3.001 – 3.500 m³/h			3.501 – 4.000 m³/h			4.001 – 4.500 m³/h		
L6-0.5	753,00	0,55	1,7	Min-Max	90-300	53-57	L6-0.5n510/870	70-240	56-57	L6-0.5n500/790	60-170	59-59	L6-0.5n520/700	70-80	62-62	L6-0.5n580/600
L6-0.7	786,00	0,75	2,2	Min-Max	310-420	57-60	L6-0.7n680/1050	250-350	57-59	L6-0.7n800/940	180-280	59-60	L6-0.7n710/850	90-200	62-62	L6-0.7n610/760
L6-1.5	897,00	1,5	4,0	Min-Max	430-480	60-61	L6-1.5n1060/1130	360-650	59-64	L6-1.5n950/1310	290-660	60-65	L6-1.5n860/1310	210-580	62-64	L6-1.5n770/1220
L6-2.2	1.064,00	2,2	6,0	Min-Max	\			\			670-860	65-67	L6-2.2n1320/1510	590-870	65-68	L6-2.2n1230/1500
L6-3.0	1.135,00	3,0	7,5	Min-Max	\			\			\			880-1090	68-70	L6-3.0n1510/1700
M6-0.5	802,00	0,55	1,7	Min-Max	110-270	47-52	M6-0.5n620/950	100-230	49-52	M6-0.5n620/870	90-180	52-53	M6-0.5n620/800	70-120	54-54	M6-0.5n640/710
M6-0.7	835,00	0,75	2,2	Min-Max	280-320	53-54	M6-0.7n960/1040	240-320	52-55	M6-0.7n880/1030	190-270	53-54	M6-0.7n810/950	130-220	54-55	M6-0.7n720/880
M6-1.5	946,00	1,5	4,0	Min-Max	\			330-440	55-58	M6-1.5n1040/1200	280-570	55-61	M6-1.5n960/1410	230-530	56-61	M6-1.5n890/1330
M6-2.2	1.113,00	2,2	6,0	Min-Max	\			\			\			540-730	61-64	M6-2.2n1340/1600
H6-0.5	1.032,00	0,55	1,7	Min-Max	140-340	57-59	H6-0.5n1500/1870	190-250	60-61	H6-0.5n1750/1870	\			\		
H6-0.7	1.065,00	0,75	2,2	Min-Max	350-490	60-61	H6-0.7n1880/2100	260-390	61-63	H6-0.7n1880/2070	240-290	63-64	H6-0.7n1990/2060	\		
H6-1.5	1.176,00	1,5	4,0	Min-Max	500-1080	61-66	H6-1.5n2110/2920	400-950	63-66	H6-1.5n2080/2820	300-820	64-67	H6-1.5n2070/2780	310-690	66-68	H6-1.5n2260/2680
H6-2.2	1.343,00	2,2	6,0	Min-Max	\			960-1380	66-69	H6-2.2n2830/3290	830-1230	67-69	H6-2.2n2790/3170	700-1080	68-70	H6-2.2n2690/3170
H6-3.0	1.414,00	3,0	7,5	Min-Max	\			1390-1480	69-69	H6-3.0n3300/3370	1240-1670	69-71	H6-3.0n3180/3570	1090-1500	70-71	H6-3.0n3180/3520
H6-4.0	1.734,00	4,0	9,5	Min-Max	\			\			1680-1930	71-72	H6-4.0n3580/3860	1510-1990	71-74	H6-4.0n3530/3980
H6-5.5	2.170,00	5,5	13,0	Min-Max	\			\			\			2000-2030	74-74	H6-5.5n3990/4000
				Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h		
L6-0.7	786,00	0,75	2,2	Min-Max	80-100	64-64	L6-0.7n640/670	\			\			\		
L6-1.5	897,00	1,5	4,0	Min-Max	110-490	64-65	L6-1.5n680/1120	100-380	66-66	L6-1.5n710/1010	120-270	68-68	L6-1.5n770/930	140-150	70-70	L6-1.5n840/850
L6-2.2	1.064,00	2,2	6,0	Min-Max	500-770	65-67	L6-2.2n1130/1400	390-670	66-68	L6-2.2n1020/1300	280-560	68-68	L6-2.2n940/1210	160-430	70-70	L6-2.2n860/1110
L6-3.0	1.135,00	3,0	7,5	Min-Max	780-1070	67-70	L6-3.0n1410/1670	680-960	68-70	L6-3.0n1310/1560	570-850	68-70	L6-3.0n1220/1470	440-730	70-70	L6-3.0n1120/1370
L6-4.0	1.455,00	4,0	9,5	Min-Max	1080-1340	70-72	L6-4.0n1680/1880	970-1300	70-72	L6-4.0n1570/1830	860-1180	70-72	L6-4.0n1480/1730	740-1060	70-72	L6-4.0n1380/1630
L6-5.5	1.891,00	5,5	13,0	Min-Max	\			1310-1520	72-74	L6-5.5n1840/2000	1190-1540	72-74	L6-5.5n1740/2000	1070-1510	72-74	L6-5.5n1640/1970
M6-0.5	802,00	0,55	1,7	Min-Max	60	56	M6-0.5n640	\			\			\		
M6-0.7	835,00	0,75	2,2	Min-Max	70-150	56-57	M6-0.7n650/800	80	58	M6-0.7n720	\			\		
M6-1.5	946,00	1,5	4,0	Min-Max	160-470	57-60	M6-1.5n810/1260	90-400	58-61	M6-1.5n730/1200	90-320	60-61	M6-1.5n780/1080	110-240	62-62	M6-1.5n840/1000
M6-2.2	1.113,00	2,2	6,0	Min-Max	480-710	61-64	M6-2.2n1270/1510	410-640	61-64	M6-2.2n1210/1430	330-560	61-64	M6-2.2n1090/1350	250-470	62-64	M6-2.2n1010/1280
M6-3.0	1.184,00	3,0	7,5	Min-Max	720-900	64-67	M6-3.0n1520/1700	650-880	64-67	M6-3.0n1440/1710	570-800	64-66	M6-3.0n1360/1600	480-720	64-66	M6-3.0n1290/1520
M6-4.0	1.504,00	4,0	9,5	Min-Max	\			890-1090	67-69	M6-4.0n1720/1950	810-1080	66-69	M6-4.0n1610/1900	730-990	66-69	M6-4.0n1530/1810
M6-5.5	1.940,00	5,5	13,0	Min-Max	\			\			1090-1300	69-71	M6-5.5n1910/2130	1000-1360	69-72	M6-5.5n1820/2130
M6-7.5	2.370,00	7,5	17,0	Min-Max	\			\			\			1370-1530	72-74	M6-7.5n2140/2280
H6-1.5	1.176,00	1,5	4,0	Min-Max	380-550	68-69	H6-1.5n2500/2670	\			\			\		
H6-2.2	1.343,00	2,2	6,0	Min-Max	560-930	70-71	H6-2.2n2680/3130	460-770	71-72	H6-2.2n2700/3030	540-610	72-73	H6-2.2n2980/3010	\		
H6-3.0	1.414,00	3,0	7,5	Min-Max	940-1330	71-72	H6-3.0n1340/3480	780-1160	72-73	H6-3.0n3040/3400	620-990	73-74	H6-3.0n3020/3410	640-810	74-75	H6-3.0n3220/3400
H6-4.0	1.734,00	4,0	9,5	Min-Max	1340-1800	72-74	H6-4.0n3490/3890	1170-1620	73-74	H6-4.0n3410/3830	1000-1430	74-75	H6-4.0n3420/3830	820-1240	75-76	H6-4.0n3410/3770
H6-5.5	2.170,00	5,5	13,0	Min-Max	1810-1940	74-74	H6-5.5n3900/4000	1630-1820	74-74	H6-5.5n3840/4000	1440-1690	75-76	H6-5.5n3840/4000	1250-1540	76-76	H6-5.5n3780/4000
H6-7.5	2.675,00	7,5	17,0	Min-Max	1950-2850	74-77	H6-7.5n4010/4700	1830-2760	74-78	H6-7.5n4010/4700	1700-2640	76-78	H6-7.5n4010/4700	1550-2510	76-78	H6-7.5n4010/4700
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h		
L6-2.2	1.064,00	2,2	6,0	Min-Max	160-300	71-71	L6-2.2n880/1030	\			\			\		
L6-3.0	1.135,00	3,0	7,7	Min-Max	310-600	71-71	L6-3.0n1040/1280	180-450	73-73	L6-3.0n960/1180	210-300	74-74	L6-3.0n1030/1100	\		
L6-4.0	1.455,00	4,0	9,5	Min-Max	610-630	71-72	L6-4.0n1290/1540	460-790	73-73	L6-4.0n1190/1430	310-640	74-74	L6-4.0n1110/1360	230-470	75-76	L6-4.0n1090/1270
L6-5.5	1.891,00	5,5	13,0	Min-Max	940-1380	72-74	L6-5.5n1550/1870	800-1240	73-74	L6-5.5n1470/1770	650-1080	74-72	L6-5.5n1370/1670	480-920	76-76	L6-5.5n1280/1580
M6-1.5	946,00	1,5	4,0	Min-Max	120-140	64-64	M6-1.5n890/920	\			\			\		
M6-2.2	1.113,00	2,2	6,0	Min-Max	150-380	64-64	M6-2.2n930/1200	140-280	65-65	M6-2.2n940/1130	160-180	66-66	M6-2.2n1000/1050	\		
M6-3.0	1.184,00	3,0	7,5	Min-Max	390-630	64-66	M6-3.0n1210/1430	290-530	65-67	M6-3.0n1140/1420	190-420	66-67	M6-3.0n1060/1270	180-310	68-68	M6-3.0n1100/1250
M6-4.0	1.504,00	4,0	9,5	Min-Max	640-900	66-68	M6-4.0n1440/1730	540-800	67-68	M6-4.0n1430/1640	430-700	67-69	M6-4.0n1280/1530	320-590	68-69	M6-4.0n1260/1480
M6-5.5	1.940,00	5,5	13,0	Min-Max	910-1270	68-71	M6-5.5n1740/2060	810-1170	68-71	M6-5.5n1650/2000	710-1070	69-71	M6-5.5n1540/1860	600-960	69-71	M6-5.5n1490/1780
M6-7.5	2.370,00	7,5	17,0	Min-Max	1280-1720	72-75	M6-7.5n2070/2430	1180-1620	71-74	M6-7.5n2010/2290	1080-1510	71-74	M6-7.5n1870/2230	970-1400	71-74	M6-7.5n1790/2130
M6-9.0	2.560,00	9,0	20,0	Min-Max	1730-1770	75-76	M6-9.0n2440/2460	1630-1930	75-77	M6-9.0n2300/2590	1520-1820	74-76	M6-9.0n2240/2460	1410-1710	74-76	M6-9.0n2140/2340
M6-11	3.055,00	11,0	24,0	Min-Max	\			1940-2030	77-77	M6-11n2600/2630	1830-2150	76-78	M6-11n2470/2700	1720-2100	76-78	M6-11n2350/2650
H6-4.0	1.734,00	4,0	9,5	Min-Max	740-1050	76-77	H6-4.0n3490/3780	850	77	H6-4.0n3730	\			\		
H6-5.5	2.170,00	5,5	13,0	Min-Max	1060-1370	77-78	H6-5.5n3790/4000	860-1190	77-78	H6-5.5n3740/4000	960-990	78-79	H6-5.5n3970/4000	\		
H6-7.5	2.675,00	7,5	17,0	Min-Max	1380-2350	78-79	H6-7.5n4010/4700	1200-2140	79-80	H6-7.5n4010/4650	1000-1910	79-80	H6-7.5n4010/4600	1090-1670	80-81	H6-7.5n4200/4630
				Qa	8.501 – 9.000 m³/h			9.001 – 9.500 m³/h			9.501 – 10.000 m³/h			10.001 – 11.000 m³/h		
L6-4.0	1.455,00	4,0	9,5	Min-Max	260-300	77-77	L6-4.0n1160/1190	\			\			\		
L6-5.5	1.891,00	5,5	13,0	Min-Max	310-750	77-77	L6-5.5n1200/1490	290-560	78-78	L6-5.5n1220/1400	320-370	79-79	L6-5.5n1280/1320	\		
M6-4.0	1.504,00	4,0	9,5	Min-Max	200-470	69-70	M6-4.0n1150/1430	220-340	70-70	M6-4.0n1200/1320	\			\		
M6-5.5	1.940,00	5,5	13,0	Min-Max	480-840	70-71	M6-5.5n1440/1730	350-710	70-71	M6-5.5n1330/1600	240-580	71-72	M6-5.5n1280/1590	290	73	M6-5.5n1400
M6-7.5	2.370,00	7,5	17,0	Min-Max	850-1290	71-73	M6-7.5n1740/2040	720-1160	71-73	M6-7.5n1610/1990	590-1030	72-73	M6-7.5n1600/1930	300-740	73-74	M6-7.5n1410/1740
M6-9.0	2.560,00	9,0	20,0	Min-Max	1300-1590	73-75	M6-9.0n2050/2310	1170-1470	73-75	M6-9.0n2000/2180	1040-1340	73-75	M6-9.0n1940/2090	750-1050	74-75	M

L7 - M7 - H7

(RQa=6500.8000)
(L7=1212) : (RPM-P)=(1500-5.5)
(M7=315) : (RPM-P) = (2100-5.5)2 ; (2400-11)4 ; (2400-18.5)6
(H7=315) : (RPM-P) = (3500-5.5)2 ; (4100-7.5)4 ; (4500-11)6

Mod.	Euro	kW	Amax		Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)		
				Qa	2.501 – 3.000 m³/h			3.001 – 3.500 m³/h			3.501 – 4.000 m³/h			4.001 – 4.500 m³/h		
L7-0.5	757,00	0,55	1,7	Min-Max	100-230	47-53	L7-0.5n500/790	100-260	49-55	L7-0.5n510/830	90-220	52-54	L7-0.5n510/760	80-170	54-55	L7-0.5n510/670
L7-0.7	790,00	0,75	2,2	Min-Max	\			270-310	55-57	L7-0.7n840/920	230-310	55-57	L7-0.7n770/900	180-260	55-57	L7-0.7n680/820
L7-1.5	901,00	1,5	4,0	Min-Max	\			\			320-410	57-60	L7-1.5n910/1060	270-520	57-63	L7-1.5n830/1190
M7-0.5	843,00	0,55	1,7	Min-Max	100-200	43-49	M7-0.5n500/710	100-240	45-51	M7-0.5n500/790	100-210	47-51	M7-0.5n500/710	90-170	49-51	M7-0.5n500/640
M7-0.7	876,00	0,75	2,2	Min-Max	\			250-280	52-53	M7-0.7n800/860	220-280	51-53	M7-0.7n720/850	180-250	51-53	M7-0.7n650/790
M7-1.5	987,00	1,5	4,0	Min-Max	\			\			290-360	54-56	M7-1.5n860/960	260-460	53-60	M7-1.5n800/1130
H7-0.5	1.106,00	0,55	1,7	Min-Max	80-370	51-56	H7-0.5n1050/1580	110-300	55-57	H7-0.5n1200/1560	140-230	58-59	H7-0.5n1340/1500	170	60	H7-0.5n1540
H7-0.7	1.139,00	0,75	2,2	Min-Max	380-510	56-59	H7-0.7n1590/1770	310-430	57-59	H7-0.7n1570/1760	240-360	59-61	H7-0.7n1510/1750	180-280	60-62	H7-0.7n1550/1710
H7-1.5	1.250,00	1,5	4,0	Min-Max	520-730	59-63	H7-1.5n1780/2100	440-940	59-66	H7-1.5n1770/2400	370-840	61-66	H7-1.5n1760/2350	290-750	62-66	H7-1.5n1720/2300
H7-2.2	1.417,00	2,2	6,0	Min-Max	\			950-990	66-67	H7-2.2n2410/2460	850-1210	66-69	H7-2.2n2360/2700	760-1110	66-69	H7-2.2n2310/2670
H7-3.0	1.488,00	3,0	7,5	Min-Max	\			\			1220-1300	69-70	H7-3.0n2710/2830	1120-1480	69-72	H7-3.0n2680/3000
H7-4.0	1.808,00	4,0	9,5	Min-Max	\			\			\			1490-1640	72-73	H7-4.0n3010/3200
				Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h		
L7-0.5	757,00	0,55	1,7	Min-Max	60-110	56-57	L7-0.5n510/590	\			\			\		
L7-0.7	790,00	0,75	2,2	Min-Max	120-210	57-57	L7-0.7n600/740	70-140	59-59	L7-0.7n550/660	\			\		
L7-1.5	901,00	1,5	4,0	Min-Max	220-520	58-63	L7-1.5n750/1170	150-460	59-62	L7-1.5n670/1090	80-400	60-62	L7-1.5n600/1020	100-320	62-63	L7-1.5n660/930
L7-2.2	1.068,00	2,2	6,0	Min-Max	530-640	63-65	L7-2.2n1180/1320	470-700	62-66	L7-2.2n1100/1370	410-640	63-66	L7-2.2n1030/1290	330-570	63-65	L7-2.2n940/1210
L7-3.0	1.139,00	3,0	7,5	Min-Max	\			710-770	66-67	L7-3.0n1380/1450	650-830	66-68	L7-3.0n1300/1500	580-810	65-68	L7-3.0n1220/1460
L7-4.0	1.459,00	4,0	9,5	Min-Max	\			\			\			820-850	68-69	L7-4.0n1470/1500
M7-0.5	843,00	0,55	1,7	Min-Max	80-140	52-52	M7-0.5n510/630	70-90	54-54	M7-0.5n510/560	\			\		
M7-0.7	876,00	0,75	2,2	Min-Max	150-220	52-53	M7-0.7n640/750	100-170	54-54	M7-0.7n570/670	50-130	55-56	M7-0.7n510/630	60-70	57-57	M7-0.7n560/570
M7-1.5	987,00	1,5	4,0	Min-Max	230-480	54-60	M7-1.5n760/1130	180-440	55-59	M7-1.5n680/1060	140-390	56-59	M7-1.5n640/990	80-350	57-59	M7-1.5n580/940
M7-2.2	1.154,00	2,2	6,0	Min-Max	490-570	60-62	M7-2.2n1140/1200	450-640	60-64	M7-2.2n1070/1280	400-590	59-63	M7-2.2n1000/1240	360-540	59-62	M7-2.2n950/1150
M7-3.0	1.225,00	3,0	7,5	Min-Max	\			650-690	64-65	M7-3.0n1290/1330	600-800	63-66	M7-3.0n1250/1410	550-750	62-66	M7-3.0n1160/1420
M7-4.0	1.545,00	4,0	9,5	Min-Max	\			\			810-820	67-67	M7-4.0n1420/1430	760-960	66-69	M7-4.0n1430/1630
H7-0.7	1.139,00	0,75	2,2	Min-Max	210	63	H7-0.7n1710	\			\			\		
H7-1.5	1.250,00	1,5	4,0	Min-Max	220-650	63-67	H7-1.5n1720/2270	260-550	66-68	H7-1.5n1850/2240	300-460	68-69	H7-1.5n2040/2270	350-360	70-70	H7-1.5n2200/2220
H7-2.2	1.417,00	2,2	6,0	Min-Max	660-990	67-69	H7-2.2n2280/2660	560-880	68-69	H7-2.2n2250/2570	470-770	70-71	H7-2.2n2280/2530	370-660	70-72	H7-2.2n2230/2550
H7-3.0	1.488,00	3,0	7,5	Min-Max	1000-1360	69-71	H7-3.0n2670/3000	890-1240	70-71	H7-3.0n2580/2940	780-1110	71-72	H7-3.0n2540/2880	670-990	72-73	H7-3.0n2560/2830
H7-4.0	1.808,00	4,0	9,5	Min-Max	1370-1790	71-74	H7-4.0n3010/3330	1250-1660	71-74	H7-4.0n2950/3230	1120-1520	72-74	H7-4.0n2890/3200	1000-1380	73-74	H7-4.0n2840/3200
H7-5.5	2.244,00	5,5	13,0	Min-Max	1800-2000	74-75	H7-5.5n3340/3500	1670-1950	74-75	H7-5.5n3240/3500	1530-1880	74-76	H7-5.5n3210/3500	1390-1790	74-76	H7-5.5n3210/3500
H7-7.5	2.892,00	7,5	17,0	Min-Max	\			1960-2450	76-78	H7-7.5n3510/3870	1890-2730	76-80	H7-7.5n3510/4100	1800-2620	76-80	H7-7.5n3510/4070
H7-9.0	3.294,00	9,0	20,0	Min-Max	\			\			2740-2920	80-81	H7-9.0n4110/4230	2630-3040	80-81	H7-9.0n4080/4340
H7-11	3.789,00	11,0	24,0	Min-Max	\			\			\			3050-3300	81-82	H7-11n4350/4500
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h		
L7-1.5	901,00	1,5	3,8	Min-Max	110-240	64-64	L7-1.5n700/850	130-150	65-65	L7-1.5n760/790	\			\		
L7-2.2	1.068,00	2,2	6,0	Min-Max	250-490	64-65	L7-2.2n860/1120	160-400	65-66	L7-2.2n800/1040	150-300	67-67	L7-2.2n810/960	160-200	68-68	L7-2.2n850/900
L7-3.0	1.139,00	3,0	7,7	Min-Max	500-730	65-67	L7-3.0n1130/1370	410-650	66-68	L7-3.0n1050/1290	310-560	67-68	L7-3.0n970/1210	210-460	68-69	L7-3.0n910/1130
L7-4.0	1.459,00	4,0	9,5	Min-Max	740-860	67-69	L7-4.0n1380/1500	660-870	68-69	L7-4.0n1300/1500	570-840	68-70	L7-4.0n1220/1470	470-740	69-70	L7-4.0n1140/1380
L7-5.5	1.895,00	5,5	13,0	Min-Max	\			\			850-870	70-70	L7-5.5n1480/1500	750-880	70-70	L7-5.5n1390/1500
M7-1.5	987,00	1,5	4,0	Min-Max	70-290	59-60	M7-1.5n600/880	80-230	60-61	M7-1.5n640/820	90-160	62-62	M7-1.5n670/750	\		
M7-2.2	1.154,00	2,2	6,0	Min-Max	300-490	60-62	M7-2.2n890/1110	240-440	61-63	M7-2.2n830/1060	170-370	62-63	M7-2.2n760/1000	100-300	63-64	M7-2.2n720/930
M7-3.0	1.225,00	3,0	7,5	Min-Max	500-690	62-65	M7-3.0n1120/1340	450-640	63-65	M7-3.0n1070/1270	380-580	63-65	M7-3.0n1010/1190	310-510	64-65	M7-3.0n940/1140
M7-4.0	1.545,00	4,0	9,5	Min-Max	700-920	65-68	M7-4.0n1350/1540	650-860	65-67	M7-4.0n1280/1430	590-810	65-67	M7-4.0n1200/1430	520-740	65-67	M7-4.0n1150/1340
M7-5.5	1.981,00	5,5	13,0	Min-Max	930-1120	68-70	M7-5.5n1550/1710	870-1180	68-71	M7-5.5n1440/1780	820-1120	67-70	M7-5.5n1440/1700	750-1050	67-70	M7-5.5n1350/1600
M7-7.5	2.406,00	7,5	17,0	Min-Max	\			1190-1280	71-72	M7-7.5n1790/1800	1130-1460	70-74	M7-7.5n1710/2000	1060-1420	70-73	M7-7.5n1610/1930
M7-9.0	2.596,00	9,0	20,0	Min-Max	\			\			\			1430-1650	73-76	M7-9.0n1940/2090
H7-2.2	1.417,00	2,2	6,0	Min-Max	410-550	72-72	H7-2.2n2380/2530	\			\			\		
H7-3.0	1.488,00	3,0	7,5	Min-Max	560-870	72-74	H7-3.0n2540/2830	470-750	73-75	H7-3.0n2550/2830	530-630	74-75	H7-3.0n2690/2830	\		
H7-4.0	1.808,00	4,0	9,5	Min-Max	880-1240	74-75	H7-4.0n2840/3190	760-1110	75-75	H7-4.0n2840/3160	640-980	75-76	H7-4.0n2840/3110	600-850	76-77	H7-4.0n2870/3100
H7-5.5	2.244,00	5,5	13,0	Min-Max	1250-1700	75-76	H7-5.5n3200/3500	1120-1590	75-77	H7-5.5n3170/3500	990-1480	76-77	H7-5.5n3120/3500	860-1330	77-78	H7-5.5n3110/3480
H7-7.5	2.892,00	7,5	17,0	Min-Max	1710-2450	76-80	H7-7.5n3510/4010	1600-2280	77-80	H7-7.5n3510/3960	1490-2110	78-80	H7-7.5n3510/3920	1340-1940	78-80	H7-7.5n3490/3900
H7-9.0	3.294,00	9,0	20,0	Min-Max	2460-2880	80-81	H7-9.0n4020/4280	2290-2700	80-81	H7-9.0n3970/4220	2120-2520	80-81	H7-9.0n			

L8 - M8 - H8(RQa=8000.10000)
(L8=1511) : (RPM-P)=(2000-5.5)
(M8=355) : (RPM-P) = (1800-7.5)2 : (2000-15)4 : (2000-22)6
(H8=355) : (RPM-P) = (3300-7.5)2 : (3800-11)4 : (4000-15)6

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h		
L8-0.5	827,00	0,55	1,7	Min-Max	60-160	56-56	L8-0.5n400/540	70-100	58-58	L8-0.5n440/480	\		\			
L8-0.7	860,00	0,75	2,2	Min-Max	170-250	56-57	L8-0.7n550/660	110-200	58-58	L8-0.7n490/600	80-140	60-60	L8-0.7n470/540	\		
L8-1.5	971,00	1,5	4,0	Min-Max	260-570	58-63	L8-1.5n670/1020	210-510	58-63	L8-1.5n610/950	150-460	60-63	L8-1.5n550/890	90-400	62-63	L8-1.5n510/830
L8-2.2	1.138,00	2,2	6,0	Min-Max	580-690	64-65	L8-2.2n1030/1130	520-760	63-67	L8-2.2n960/1180	470-700	63-66	L8-2.2n900/1120	410-640	63-66	L8-2.2n840/1060
L8-3.0	1.209,00	3,0	7,5	Min-Max	\			770-840	67-68	L8-3.0n1190/1240	710-950	66-69	L8-3.0n1130/1320	650-880	66-68	L8-3.0n1070/1260
L8-4.0	1.529,00	4,0	9,5	Min-Max	\			\			960-1000	69-70	L8-4.0n1330/1360	890-1170	69-71	L8-4.0n1270/1470
M8-0.5	950,00	0,55	1,7	Min-Max	130-170	49-50	M8-0.5n510/590	120-140	51-51	M8-0.5n510/560	\		\			
M8-0.7	983,00	0,75	2,2	Min-Max	180-240	51-52	M8-0.7n600/700	150-210	51-53	M8-0.7n570/660	120-180	52-53	M8-0.7n510/630	110-150	54-54	M8-0.7n510/570
M8-1.5	1.094,00	1,5	4,0	Min-Max	250-350	53-56	M8-1.5n710/860	220-430	53-59	M8-1.5n670/950	190-420	53-59	M8-1.5n640/940	160-380	54-58	M8-1.5n580/880
M8-2.2	1.261,00	2,2	6,0	Min-Max	\			\			430-510	59-61	M8-2.2n950/1060	390-560	58-62	M8-2.2n890/1080
M8-3.0	1.332,00	3,0	7,5	Min-Max	\			\			\		\	570-600	62-63	M8-3.0n1090/1120
H8-0.5	1.183,00	0,55	1,7	Min-Max	120-170	58-58	H8-0.5n1200/1260	\			\		\			
H8-0.7	1.216,00	0,75	2,2	Min-Max	180-270	58-59	H8-0.7n1270/1410	150-230	60-61	H8-0.7n1300/1410	\		\			
H8-1.5	1.327,00	1,5	4,0	Min-Max	280-670	60-63	H8-1.5n1420/1850	240-600	61-63	H8-1.5n1420/1850	170-540	62-65	H8-1.5n1410/1850	200-470	64-66	H8-1.5n1490/1850
H8-2.2	1.494,00	2,2	6,0	Min-Max	680-970	63-67	H8-2.2n1860/2190	610-900	64-67	H8-2.2n1860/2140	550-820	65-67	H8-2.2n1860/2140	480-750	66-67	H8-2.2n1860/2140
H8-3.0	1.565,00	3,0	7,5	Min-Max	980-1130	67-68	H8-3.0n2200/2360	910-1210	67-69	H8-3.0n2150/2400	830-1120	67-69	H8-3.0n2150/2400	760-1040	67-69	H8-3.0n2150/2400
H8-4.0	1.885,00	4,0	9,5	Min-Max	\			1220-1370	69-71	H8-4.0n2410/2570	1130-1470	69-72	H8-4.0n2410/2680	1050-1390	70-72	H8-4.0n2410/2650
H8-5.5	2.321,00	5,5	13,0	Min-Max	\			\			1480-1630	72-73	H8-5.5n2690/2800	1400-1860	72-75	H8-5.5n2660/2990
H8-7.5	2.537,00	7,5	17,0	Min-Max	\			\			\		\	1870-1920	75-75	H8-7.5n3000/3040
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h		
L8-1.5	971,00	1,5	4,0	Min-Max	110-330	64-64	L8-1.5n650/770	120-260	65-65	L8-1.5n690/710	140-170	66-66	L8-1.5n630/660	\		
L8-2.2	1.138,00	2,2	6,0	Min-Max	340-570	64-66	L8-2.2n780/990	270-500	65-66	L8-2.2n720/930	180-430	66-66	L8-2.2n670/870	160-340	67-67	L8-2.2n670/810
L8-3.0	1.209,00	3,0	7,5	Min-Max	580-810	66-68	L8-3.0n1000/1190	510-740	66-68	L8-3.0n940/1130	440-670	66-68	L8-3.0n880/1070	350-590	67-68	L8-3.0n820/1010
L8-4.0	1.529,00	4,0	9,5	Min-Max	820-1090	68-69	L8-4.0n1200/1400	750-1020	68-70	L8-4.0n1140/1340	680-940	68-70	L8-4.0n1080/1280	600-860	68-70	L8-4.0n1020/1220
L8-5.5	1.965,00	5,5	13,0	Min-Max	1100-1360	71-73	L8-5.5n1410/1580	1030-1400	70-74	L8-5.5n1350/1600	950-1320	70-73	L8-5.5n1290/1540	870-1230	70-73	L8-5.5n1230/1480
M8-0.7	983,00	0,75	2,2	Min-Max	100-110	56-56	M8-0.7n510/520	\			\		\			
M8-1.5	1.094,00	1,5	4,0	Min-Max	120-350	56-58	M8-1.5n530/850	90-310	58-59	M8-1.5n510/800	70-280	59-59	M8-1.5n510/770	60-230	60-60	M8-1.5n510/710
M8-2.2	1.261,00	2,2	6,0	Min-Max	360-530	58-61	M8-2.2n860/1050	320-490	59-61	M8-2.2n810/1000	290-450	59-61	M8-2.2n780/940	240-410	60-62	M8-2.2n720/920
M8-3.0	1.332,00	3,0	7,5	Min-Max	540-700	62-65	M8-3.0n1060/1220	500-670	61-64	M8-3.0n1010/1180	460-630	61-64	M8-3.0n950/1100	420-590	62-64	M8-3.0n930/1100
M8-4.0	1.652,00	4,0	9,5	Min-Max	\			680-800	64-66	M8-4.0n1190/1300	640-840	64-67	M8-4.0n1110/1350	600-790	64-66	M8-4.0n1110/1270
M8-5.5	2.088,00	5,5	13,0	Min-Max	\			\			850-920	67-68	M8-5.5n1360/1390	800-1040	67-70	M8-5.5n1280/1430
H8-1.5	1.327,00	1,5	4,0	Min-Max	230-400	65-67	H8-1.5n1640/1850	270-320	67-67	H8-1.5n1760/1820	\		\			
H8-2.2	1.494,00	2,2	6,0	Min-Max	410-670	67-68	H8-2.2n1860/2100	330-590	67-69	H8-2.2n1830/2040	300-510	68-70	H8-2.2n1880/2050	340-420	70-71	H8-2.2n1990/2050
H8-3.0	1.565,00	3,0	7,5	Min-Max	680-960	68-70	H8-3.0n2110/2400	600-870	69-71	H8-3.0n2050/2330	520-780	70-71	H8-3.0n2060/2280	430-700	71-72	H8-3.0n2060/2300
H8-4.0	1.885,00	4,0	9,5	Min-Max	970-1290	70-72	H8-4.0n2410/2610	880-1200	71-72	H8-4.0n2340/2570	790-1110	71-72	H8-4.0n2290/2560	710-1010	72-73	H8-4.0n2310/2560
H8-5.5	2.321,00	5,5	13,0	Min-Max	1300-1760	72-75	H8-5.5n2620/3000	1210-1660	72-75	H8-5.5n2580/2890	1120-1560	72-75	H8-5.5n2570/2860	1020-1460	73-75	H8-5.5n2570/2860
H8-7.5	2.537,00	7,5	17,0	Min-Max	1770-2220	75-77	H8-7.5n3010/3270	1670-2220	75-77	H8-7.5n2900/3300	1570-2120	75-77	H8-7.5n2870/3260	1470-2010	75-77	H8-7.5n2870/3240
H8-9.0	3.104,00	9,0	20,0	Min-Max	\			2230-2550	77-79	H8-9.0n3310/3500	2130-2510	77-79	H8-9.0n3270/3500	2020-2400	77-79	H8-9.0n3250/3480
H8-11	3.599,00	11,0	24,0	Min-Max	\			\			2520-2910	79-81	H8-11n3510/3700	2410-2890	79-81	H8-11n3490/3750
H8-15	4.416,00	15,0	32,0	Min-Max	\			\			\		\	2900-3280	81-82	H8-15n3760/3970
				Qa	8.501 – 9.000 m³/h			9.001 – 9.500 m³/h			9.501 – 10.000 m³/h			10.001 – 11.000 m³/h		
L8-2.2	1.138,00	2,2	6,0	Min-Max	170-240	69-69	L8-2.2n710/760	\			\		\			
L8-3.0	1.209,00	3,0	7,5	Min-Max	250-500	69-69	L8-3.0n770/950	190-410	70-70	L8-3.0n750/900	210-300	71-71	L8-3.0n790/850	\		
L8-4.0	1.529,00	4,0	9,5	Min-Max	510-780	69-70	L8-4.0n960/1160	420-690	70-71	L8-4.0n910/1100	310-590	71-71	L8-4.0n860/1040	260-370	73-73	L8-4.0n870/940
L8-5.5	1.965,00	5,5	13,0	Min-Max	790-1150	70-72	L8-5.5n1170/1420	700-1060	71-72	L8-5.5n1110/1350	600-970	71-73	L8-5.5n1050/1300	380-760	73-73	L8-5.5n950/1170
M8-1.5	1.094,00	1,5	4,0	Min-Max	70-180	61-61	M8-1.5n540/670	80-130	63-63	M8-1.5n570/630	\		\			
M8-2.2	1.261,00	2,2	6,0	Min-Max	190-370	61-62	M8-2.2n680/890	140-320	63-63	M8-2.2n640/830	90-270	64-64	M8-2.2n610/800	100-140	66-66	M8-2.2n650/700
M8-3.0	1.332,00	3,0	7,5	Min-Max	380-550	62-64	M8-3.0n900/1050	330-500	63-64	M8-3.0n840/1020	280-450	64-64	M8-3.0n810/990	150-340	66-66	M8-3.0n710/880
M8-4.0	1.652,00	4,0	9,5	Min-Max	560-750	64-66	M8-4.0n1060/1270	510-700	64-66	M8-4.0n1030/1200	460-650	64-66	M8-4.0n1000/1130	350-550	66-67	M8-4.0n890/1060
M8-5.5	2.088,00	5,5	13,0	Min-Max	760-1030	66-69	M8-5.5n1280/1430	710-980	66-69	M8-5.5n1210/1420	660-930	66-69	M8-5.5n1160/1430	560-820	67-69	M8-5.5n1070/1290
M8-7.5	2.304,00	7,5	17,0	Min-Max	1040-1160	70-71	M8-7.5n1440/1600	990-1290	69-72	M8-7.5n1430/1650	940-1260	69-72	M8-7.5n1440/1630	830-1150	69-71	M8-7.5n1300/1540
M8-9.0	2.746,00	9,0	20,0	Min-Max	\			\			1270-1430	72-74	M8-9.0n1640/1740	1160-1380	71-73	M8-9.0n1550/1700
M8-11	3.241,00	11,0	24,0	Min-Max	\			\			\		\	1390-1680	73-76	M8-11n1710/1870
M8-15	3.707,00	15,0	32,0	Min-Max	\			\			\		\	1690-1740	76-76	M8-15n1880/1940
H8-3.0	1.565,00	3,0	7,5	Min-Max	380-600	72-73	H8-3.0n2100/2300	420-510	73-74	H8-3.0n2220/2300	\		\			
H8-4.0	1.885,00	4,0	9,5	Min-Max	610-920	73-74	H8-4.0n2310/2560	520-820	74-75	H8-4.0n2310/2560	470-720	74-76	H8-4.0n2300/2560	\		
H8-5.5	2.321,00	5,5	13,0	Min-Max	930-1350	74-75	H8-5.5n2570/2810	830-1250	75-76	H8-5.5n2570/2860	730-1140	76-76	H8-5.5n2570/2860	570-920	76-78	H8-5.5n2560/2860
H8-7.5	2.537,00	7,5	17,0	Min-Max	1360-1890	75-77	H8-7.5n2820/3220	1260-1780	76-77	H8-7.5n2870/3200	1150-1660	76-78	H8-7.5n2870/3170	930-1430	78-79	H8-7.5n2870/3150
H8-9.0	3.104,00	9,0	20,0	Min-Max	1900-2280	77-79	H8-9.0n3230/3480	1790-2160	77-79	H8-9.0n3210/3450	1670-2030	78-79	H8-9.0n3180/3400	1440-1790	79-80	H8-9.0n3160/3370
H8-11	3.599,00	11,0	24,0	Min-Max	2290-2760	79-81	H8-11n3490/3700	2170-2640	79-81	H8-11n3460/3700	2040-2510	79-81	H8-11n3410/3650	1800-2250	80-81	H8-11n3380/3650

L9 - M9 - H9

(RQa=10000.13000)
(L9=1515) : (RPM-P)=(1296-5.5)
(M9=400) : (RPM-P) = (1600-7.5)2 : (1800-15)4 : (1800-22)6
(H9=400) : (RPM-P) = (2700-7.5)2 : (3100-15)4 : (3500-22)6

Mod.	Euro	kW	Amax		Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)		
				Qa	4.501 – 5.000 m³/h			5.001 – 5.500 m³/h			5.501 – 6.000 m³/h			6.001 – 6.500 m³/h		
L9-0.5	862,00	0,55	1,7	Min-Max	80-180	51-53	L9-0.5n400/570	80-150	53-54	L9-0.5n410/530	70-110	55-55	L9-0.5n410/480	60-70	57-57	L9-0.5n410/440
L9-0.7	895,00	0,75	2,2	Min-Max	190-260	53-55	L9-0.7n580/690	160-230	54-56	L9-0.7n540/640	120-190	56-56	L9-0.7n490/590	80-150	57-57	L9-0.7n450/540
L9-1.5	1.006,00	1,5	4,0	Min-Max	270-330	56-57	L9-1.5n700/790	240-400	56-59	L9-1.5n650/870	200-450	56-61	L9-1.5n600/920	160-420	57-61	L9-1.5n550/880
L9-2.2	1.173,00	2,2	6,0	Min-Max							460-470	61-61	L9-2.2n930/940	430-560	61-63	L9-2.2n890/1030
M9-0.5	1.022,00	0,55	1,7	Min-Max	110-170	45-48	M9-0.5n420/530	110-150	46-48	M9-0.5n420/510	110-140	47-48	M9-0.5n420/460	100-120	48-49	M9-0.5n420/460
M9-0.7	1.055,00	0,75	2,2	Min-Max	180-220	49-50	M9-0.7n540/630	160-210	48-50	M9-0.7n520/590	150-190	49-50	M9-0.7n470/560	130-180	49-51	M9-0.7n470/550
M9-1.5	1.166,00	1,5	4,0	Min-Max	\			220-270	51-53	M9-1.5n600/680	200-320	51-55	M9-1.5n570/750	190-370	51-56	M9-1.5n560/790
M9-2.2	1.333,00	2,2	6,0	Min-Max	\			\			\			380	57	M9-2.2n800
H9-0.5	1.239,00	0,55	1,7	Min-Max	120-210	53-55	H9-0.5n910/1050	90-170	54-56	H9-0.5n910/1050	110-140	56-57	H9-0.5n1010/1050	\		
H9-0.7	1.272,00	0,75	2,2	Min-Max	220-300	55-55	H9-0.7n1060/1190	180-260	56-57	H9-0.7n1060/1160	150-220	57-58	H9-0.7n1060/1140	120-180	58-59	H9-0.7n1070/1150
H9-1.5	1.383,00	1,5	4,0	Min-Max	310-670	55-60	H9-1.5n1200/1600	270-620	57-60	H9-1.5n1170/1580	230-570	58-60	H9-1.5n1150/1580	190-520	59-61	H9-1.5n1160/1540
H9-2.2	1.550,00	2,2	6,0	Min-Max	680-720	60-61	H9-2.2n1610/1680	630-870	60-63	H9-2.2n1590/1840	580-830	60-63	H9-2.2n1590/1800	530-770	61-63	H9-2.2n1550/1780
H9-3.0	1.621,00	3,0	7,5	Min-Max	\			\			840-1030	63-66	H9-3.0n1810/1980	780-1050	63-66	H9-3.0n1790/2020
H9-4.0	1.941,00	4,0	9,5	Min-Max	\			\			\			1060-1210	66-68	H9-4.0n2030/2190
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h		
L9-0.7	895,00	0,75	2,2	Min-Max	70-110	58-59	L9-0.7n450/500	\			\			\		
L9-1.5	1.006,00	1,5	4,0	Min-Max	120-380	59-61	L9-1.5n510/830	80-340	60-61	L9-1.5n480/790	90-290	61-62	L9-1.5n510/740	100-240	63-63	L9-1.5n540/690
L9-2.2	1.173,00	2,2	6,0	Min-Max	390-570	61-64	L9-2.2n840/1030	350-530	62-64	L9-2.2n800/980	300-490	62-64	L9-2.2n750/940	250-440	63-64	L9-2.2n700/890
L9-3.0	1.244,00	3,0	7,5	Min-Max	580-650	64-65	L9-3.0n1040/1100	540-720	64-66	L9-3.0n990/1160	500-680	64-66	L9-3.0n950/1120	450-640	64-66	L9-3.0n900/1080
L9-4.0	1.564,00	4,0	9,5	Min-Max	\			730-740	66-66	L9-4.0n1170/1180	690-770	66-67	L9-4.0n1130/1200	650-780	67-68	L9-4.0n1090/1200
M9-0.7	1.055,00	0,75	2,2	Min-Max	100-160	49-51	M9-0.7n420/510	90-130	51-51	M9-0.7n400/460	80-100	52-52	M9-0.7n420/440	70	54	M9-0.7n410
M9-1.5	1.166,00	1,5	4,0	Min-Max	170-350	51-56	M9-1.5n520/750	140-330	52-56	M9-1.5n470/750	110-310	52-56	M9-1.5n450/700	80-280	54-56	M9-1.5n420/670
M9-2.2	1.333,00	2,2	6,0	Min-Max	360-440	57-59	M9-2.2n760/870	340-480	56-60	M9-2.2n760/890	320-450	57-59	M9-2.2n710/850	290-430	57-59	M9-2.2n680/830
M9-3.0	1.404,00	3,0	7,5	Min-Max	\			490-500	60-60	M9-3.0n900/920	460-580	60-62	M9-3.0n860/990	440-580	59-62	M9-3.0n840/990
M9-4.0	1.724,00	4,0	9,5	Min-Max	\			\			\			590-650	62-63	M9-4.0n1000/1060
H9-0.7	1.272,00	0,75	2,2	Min-Max	140	60	H9-0.7n1150	\			\			\		
H9-1.5	1.383,00	1,5	4,0	Min-Max	150-460	60-62	H9-1.5n1160/1500	160-410	61-63	H9-1.5n1260/1510	180-360	63-64	H9-1.5n1310/1510	220-310	64-65	H9-1.5n1410/1500
H9-2.2	1.550,00	2,2	6,0	Min-Max	470-710	62-63	H9-2.2n1510/1780	420-660	63-64	H9-2.2n1520/1780	370-600	64-65	H9-2.2n1520/1740	320-540	65-66	H9-2.2n1510/1720
H9-3.0	1.621,00	3,0	7,5	Min-Max	720-980	63-66	H9-3.0n1790/1990	670-920	64-66	H9-3.0n1790/1970	610-850	65-67	H9-3.0n1750/1940	550-790	66-67	H9-3.0n1730/1940
H9-4.0	1.941,00	4,0	9,5	Min-Max	990-1290	66-69	H9-4.0n2000/2200	930-1220	66-68	H9-4.0n1980/2190	860-1150	67-68	H9-4.0n1950/2190	800-1080	68-69	H9-4.0n1950/2180
H9-5.5	2.377,00	5,5	13,0	Min-Max	1300-1410	69-69	H9-5.5n2210/2310	1230-1620	68-71	H9-5.5n2200/2500	1160-1570	68-71	H9-5.5n2200/2480	1090-1490	69-71	H9-5.5n2190/2440
H9-7.5	2.593,00	7,5	17,0	Min-Max	\			\			1580-1840	71-72	H9-7.5n2490/2650	1500-1900	71-73	H9-7.5n2450/2700
H9-9.0	3.312,00	9,0	20,0	Min-Max	\			\			\			1910-2080	73-74	H9-9.0n2710/2810
				Qa	8.501 – 9.000 m³/h			9.001 – 9.500 m³/h			9.501 – 10.000 m³/h			10.001 – 11.000 m³/h		
L9-1.5	1.006,00	1,5	4,0	Min-Max	110-180	64-64	L9-1.5n570/650	\			\			\		
L9-2.2	1.173,00	2,2	6,0	Min-Max	190-390	64-65	L9-2.2n660/850	130-330	65-66	L9-2.2n610/800	140-260	66-66	L9-2.2n640/750	\		
L9-3.0	1.244,00	3,0	7,5	Min-Max	400-590	65-66	L9-3.0n860/1030	340-530	66-67	L9-3.0n810/980	270-470	66-67	L9-3.0n760/930	170-340	68-69	L9-3.0n700/850
L9-4.0	1.564,00	4,0	9,5	Min-Max	600-780	67-68	L9-4.0n1040/1200	540-760	67-69	L9-4.0n990/1170	480-700	67-69	L9-4.0n940/1120	350-580	69-69	L9-4.0n860/1030
L9-5.5	2.000,00	5,5	13,0	Min-Max	\			770-790	69-69	L9-5.5n1180/1200	710-790	69-69	L9-5.5n1130/1200	590-790	69-70	L9-5.5n1040/1200
M9-1.5	1.166,00	1,5	4,0	Min-Max	60-250	55-57	M9-1.5n410/630	50-220	56-57	M9-1.5n410/620	50-190	57-58	M9-1.5n420/570	60-110	59-59	M9-1.5n470/510
M9-2.2	1.333,00	2,2	6,0	Min-Max	260-400	57-59	M9-2.2n640/800	230-380	57-59	M9-2.2n630/770	200-350	58-60	M9-2.2n580/750	120-280	59-60	M9-2.2n520/680
M9-3.0	1.404,00	3,0	7,5	Min-Max	410-550	60-62	M9-3.0n810/950	390-520	60-62	M9-3.0n780/920	360-500	60-62	M9-3.0n760/890	290-430	61-62	M9-3.0n690/820
M9-4.0	1.724,00	4,0	9,5	Min-Max	560-720	62-64	M9-4.0n960/1120	530-690	62-64	M9-4.0n930/1070	510-660	62-64	M9-4.0n900/1040	440-600	62-64	M9-4.0n830/970
M9-5.5	2.160,00	5,5	13,0	Min-Max	730	65	M9-5.5n1130	700-810	64-66	M9-5.5n1080/1170	670-890	64-67	M9-5.5n1050/1260	610-830	64-67	M9-5.5n980/1150
M9-7.5	2.376,00	7,5	17,0	Min-Max	\			\			900	67	M9-7.5n1270	840-1090	67-69	M9-7.5n1160/1360
H9-1.5	1.383,00	1,5	4,0	Min-Max	230-250	65-65	H9-1.5n1480/1510	\			\			\		
H9-2.2	1.550,00	2,2	6,0	Min-Max	260-480	65-67	H9-2.2n1520/1720	260-420	66-67	H9-2.2n1560/1710	290-360	67-68	H9-2.2n1640/1710	\		
H9-3.0	1.621,00	3,0	7,5	Min-Max	490-720	67-68	H9-3.0n1730/1920	430-660	67-69	H9-3.0n1720/1920	370-590	68-70	H9-3.0n1720/1920	350-460	70-71	H9-3.0n1800/1900
H9-4.0	1.941,00	4,0	9,5	Min-Max	730-1010	68-70	H9-4.0n1930/2140	670-940	69-70	H9-4.0n1930/2130	600-870	70-71	H9-4.0n1930/2120	470-720	71-72	H9-4.0n1910/2100
H9-5.5	2.377,00	5,5	13,0	Min-Max	1020-1410	70-71	H9-5.5n2150/2420	950-1330	70-71	H9-5.5n2140/2400	880-1250	71-72	H9-5.5n2130/2420	730-1090	72-73	H9-5.5n2110/2360
H9-7.5	2.593,00	7,5	17,0	Min-Max	1420-1860	71-73	H9-7.5n2430/2700	1340-1810	71-73	H9-7.5n2410/2700	1260-1730	72-73	H9-7.5n2430/2680	1100-1560	73-74	H9-7.5n2370/2670
H9-9.0	3.312,00	9,0	20,0	Min-Max	1870-2270	73-75	H9-9.0n2710/2920	1820-2170	73-74	H9-9.0n2710/2920	1740-2080	73-74	H9-9.0n2690/2920	1570-1890	74-74	H9-9.0n2680/2880
H9-11	3.807,00	11,0	24,0	Min-Max	2280-2											

L10 - M10 - H10

(RQa=13000,15000)
(L10=1813) : (RPM-P)= (1200-7.5)
(M10=450) : (RPM-P)= (1400-11)2 : (1500-15)4 : (1500-30)6
(H10=450) : (RPM-P)= (2500-11)2 : (2800-15)4 : (3200-30)6

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h		
L10-0.5	917,00	0,55	1,7	Min-Max	50-70	56-56	L10-0.5n320/350	\			\			\		
L10-0.7	950,00	0,75	2,2	Min-Max	80-150	56-57	L10-0.7n360/440	50-110	58-58	L10-0.7n340/410	60-70	59-59	L10-0.7n360/380	\		
L10-1.5	1.061,00	1,5	4,0	Min-Max	160-400	57-60	L10-1.5n450/700	120-360	58-60	L10-1.5n420/660	80-320	59-60	L10-1.5n390/620	70-280	61-61	L10-1.5n390/590
L10-2.2	1.228,00	2,2	6,0	Min-Max	410-600	60-64	L10-2.2n710/870	370-560	60-64	L10-2.2n670/830	330-520	60-63	L10-2.2n630/800	290-470	61-63	L10-2.2n600/750
L10-3.0	1.299,00	3,0	7,5	Min-Max	610-670	64-65	L10-3.0n880/920	570-770	64-67	L10-3.0n840/990	530-720	63-66	L10-3.0n810/950	480-670	63-66	L10-3.0n760/910
L10-4.0	1.619,00	4,0	9,5	Min-Max	\			\			730-880	66-68	L10-4.0n960/1060	680-910	66-69	L10-4.0n920/1070
L10-5.5	2.055,00	5,5	13,0	Min-Max	\			\			\			920-990	69-70	L10-5.5n1080/1120
M10-0.5	1.245,00	0,55	1,7	Min-Max	100-110	46-47	M10-0.5n360/390	90-100	47-47	M10-0.5n360/390	\			90-120	49-50	M10-0.7n360/400
M10-0.7	1.278,00	0,75	2,2	Min-Max	120-160	48-50	M10-0.7n400/460	110-150	48-50	M10-0.7n400/440	90-130	48-49	M10-0.7n350/400	130-280	50-57	M10-1.5n410/640
M10-1.5	1.389,00	1,5	4,0	Min-Max	170-280	51-57	M10-1.5n450/630	160-300	51-57	M10-1.5n450/630	140-290	50-57	M10-1.5n410/630	290-390	57-61	M10-2.2n650/710
M10-2.2	1.556,00	2,2	6,0	Min-Max	\			310-320	58-58	M10-2.2n640/570	300-360	57-60	M10-2.2n640/710	400-410	61-61	M10-3.0n720/740
M10-3.0	1.627,00	3,0	7,5	Min-Max	\			\			\			\		
H10-0.5	1.451,00	0,55	1,7	Min-Max	100-110	53-53	H10-0.5n800/840	\			\			\		
H10-0.7	1.484,00	0,75	2,2	Min-Max	120-190	53-55	H10-0.7n850/940	110-160	55-56	H10-0.7n870/940	130	57	H10-0.7n960	\		
H10-1.5	1.595,00	1,5	4,0	Min-Max	200-490	55-59	H10-1.5n950/1260	170-450	56-59	H10-1.5n950/1260	140-410	57-60	H10-1.5n970/1260	150-370	58-61	H10-1.5n1000/1260
H10-2.2	1.762,00	2,2	6,0	Min-Max	500-710	59-61	H10-2.2n1270/1510	460-670	59-62	H10-2.2n1270/1430	420-630	60-62	H10-2.2n1270/1420	380-590	61-62	H10-2.2n1270/1430
H10-3.0	1.833,00	3,0	7,5	Min-Max	720-850	62-63	H10-3.0n1520/1600	680-900	62-64	H10-3.0n1440/1670	640-860	62-64	H10-3.0n1430/1640	600-810	62-64	H10-3.0n1440/1590
H10-4.0	2.153,00	4,0	9,5	Min-Max	\			910-970	64-65	H10-4.0n1680/1750	870-1110	64-67	H10-4.0n1650/1840	820-1070	64-66	H10-4.0n1600/1840
H10-5.5	2.589,00	5,5	13,0	Min-Max	\			\			\			1080-1250	66-68	H10-5.5n1850/1950
				Qa	8.501 – 9.000 m³/h			9.001 – 9.500 m³/h			9.501 – 10.000 m³/h			10.001 – 11.000 m³/h		
L10-1.5	1.061,00	1,5	4,0	Min-Max	70-240	62-62	L10-1.5n400/570	80-190	63-63	L10-1.5n430/530	90-140	64-64	L10-1.5n460/500	\		
L10-2.2	1.228,00	2,2	6,0	Min-Max	250-430	62-63	L10-2.2n580/720	200-380	63-64	L10-2.2n540/690	150-330	64-65	L10-2.2n510/650	110-230	66-66	L10-2.2n500/590
L10-3.0	1.299,00	3,0	7,5	Min-Max	440-630	63-66	L10-3.0n730/880	390-580	64-66	L10-3.0n700/840	340-530	65-66	L10-3.0n660/800	240-420	66-67	L10-3.0n600/730
L10-4.0	1.619,00	4,0	9,5	Min-Max	640-860	66-68	L10-4.0n890/1040	590-800	66-68	L10-4.0n850/990	540-750	66-68	L10-4.0n810/950	430-640	67-68	L10-4.0n740/880
L10-5.5	2.055,00	5,5	13,0	Min-Max	870-1110	69-71	L10-5.5n1050/1180	810-1120	68-71	L10-5.5n1000/1180	760-1060	68-71	L10-5.5n960/1140	650-940	68-70	L10-5.5n890/1070
L10-7.5	2.271,00	7,5	17,0	Min-Max	\			1130-1140	71-71	L10-7.5n1190/1200	1070-1150	71-72	L10-7.5n1150/1200	950-1160	70-72	L10-7.5n1080/1200
M10-0.7	1.278,00	0,75	2,2	Min-Max	80-100	50-50	M10-0.7n360/400	70	51	M10-0.7n360	\			\		
M10-1.5	1.389,00	1,5	4,0	Min-Max	110-270	50-57	M10-1.5n410/600	80-250	51-56	M10-1.5n370/570	60-230	52-56	M10-1.5n350/570	40-190	54-56	M10-1.5n360/510
M10-2.2	1.556,00	2,2	6,0	Min-Max	280-380	57-60	M10-2.2n610/730	260-370	57-60	M10-2.2n580/710	240-350	56-60	M10-2.2n580/690	200-320	56-60	M10-2.2n520/640
M10-3.0	1.627,00	3,0	7,5	Min-Max	390-460	61-63	M10-3.0n740/800	380-480	60-63	M10-3.0n720/810	360-470	60-63	M10-3.0n700/800	330-440	60-63	M10-3.0n650/790
M10-4.0	1.947,00	4,0	9,5	Min-Max	\			490-520	64-64	M10-4.0n820/860	480-570	63-66	M10-4.0n810/900	450-690	63-68	M10-4.0n800/990
H10-1.5	1.595,00	1,5	4,0	Min-Max	160-330	60-62	H10-1.5n1050/1200	180-290	61-62	H10-1.5n1100/1200	200-250	63-63	H10-1.5n1170/1210	\		
H10-2.2	1.762,00	2,2	6,0	Min-Max	340-540	62-63	H10-2.2n1210/1430	300-500	62-63	H10-2.2n1210/1430	260-450	63-64	H10-2.2n1220/1430	240-360	65-65	H10-2.2n1280/1400
H10-3.0	1.833,00	3,0	7,5	Min-Max	550-760	63-64	H10-3.0n1440/1590	510-720	63-65	H10-3.0n1440/1600	460-670	64-65	H10-3.0n1440/1590	370-570	66-67	H10-3.0n1410/1550
H10-4.0	2.153,00	4,0	9,5	Min-Max	770-1020	64-66	H10-4.0n1600/1840	730-970	65-66	H10-4.0n1610/1780	680-920	65-66	H10-4.0n1600/1740	580-810	67-67	H10-4.0n1560/1740
H10-5.5	2.589,00	5,5	13,0	Min-Max	1030-1370	66-69	H10-5.5n1850/2040	980-1320	66-69	H10-5.5n1790/2000	930-1270	66-69	H10-5.5n1750/2000	820-1150	67-69	H10-5.5n1750/2000
H10-7.5	2.805,00	7,5	17,0	Min-Max	1380-1410	69-70	H10-7.5n2050/2070	1330-1570	69-71	H10-7.5n2010/2180	1280-1690	69-72	H10-7.5n2010/2260	1160-1570	69-72	H10-7.5n2010/2220
H10-9.0	2.995,00	9,0	20,0	Min-Max	\			\			1700-1740	72-72	H10-9.0n2270/2300	1580-1860	72-73	H10-9.0n2230/2400
H10-11	3.490,00	11,0	24,0	Min-Max	\			\			\			1870-2050	73-74	H10-11n2410/2500
				Qa	11.001 – 12.000 m³/h			12.001 – 13.000 m³/h			13.001 – 14.000 m³/h			14.001 – 15.000 m³/h		
L10-3.0	1.299,00	3,0	7,5	Min-Max	130-300	68-68	L10-3.0n550/670	150-180	70-70	L10-3.0n590/610	\			\		
L10-4.0	1.619,00	4,0	9,5	Min-Max	310-520	68-69	L10-4.0n680/810	190-400	70-70	L10-4.0n620/750	170-260	72-72	L10-4.0n630/690	\		
L10-5.5	2.055,00	5,5	13,0	Min-Max	530-820	69-70	L10-5.5n820/1000	410-690	70-71	L10-5.5n760/930	270-560	72-72	L10-5.5n700/860	200-410	73-73	L10-5.5n680/800
L10-7.5	2.271,00	7,5	17,0	Min-Max	830-1170	70-73	L10-7.5n1010/1200	700-1050	71-73	L10-7.5n940/1130	570-920	72-73	L10-7.5n870/1070	420-770	73-74	L10-7.5n810/1000
M10-1.5	1.389,00	1,5	4,0	Min-Max	50-130	56-56	M10-1.5n400/450	60-70	58-58	M10-1.5n400/430	\			\		
M10-2.2	1.556,00	2,2	6,0	Min-Max	140-270	57-59	M10-2.2n460/600	80-220	58-60	M10-2.2n440/570	60-150	60-60	M10-2.2n450/510	70	61	M10-2.2n480
M10-3.0	1.627,00	3,0	7,5	Min-Max	280-400	59-62	M10-3.0n610/710	230-350	60-62	M10-3.0n580/680	160-290	60-62	M10-3.0n520/630	80-220	61-63	M10-3.0n490/600
M10-4.0	1.947,00	4,0	9,5	Min-Max	410-540	62-65	M10-4.0n720/890	360-500	62-65	M10-4.0n690/810	300-450	62-64	M10-4.0n640/770	230-390	63-64	M10-4.0n610/720
M10-5.5	2.383,00	5,5	13,0	Min-Max	550-720	65-68	M10-5.5n900/1010	510-680	65-68	M10-5.5n820/960	460-640	64-68	M10-5.5n780/920	400-590	64-67	M10-5.5n730/900
M10-7.5	2.599,00	7,5	17,0	Min-Max	730-830	69-70	M10-7.5n1020/1120	690-890	68-71	M10-7.5n970/1140	650-850	68-71	M10-7.5n930/1040	600-810	67-70	M10-7.5n910/1010
M10-9.0	2.789,00	9,0	20,0	Min-Max	\			900-970	71-72	M10-9.0n1150/1170	860-1000	71-73	M10-9.0n1050/1150	820-960	70-72	M10-9.0n1020/1150
</																

L11 - M11 - H11

(RQa=15000.20000)
(L11=1818) : (RPM-P)=(1100-7.5)
(M11=500) : (RPM-P) = (1200-11)2 : (1300-15)4 : (1400-30)6 : (1400-37)7
(H11=500) : (RPM-P) = (2100-11)2 : (2350-15)4 : (2650-30)6 : (2800-37)7

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	6.501 – 7.000 m³/h			7.001 – 7.500 m³/h			7.501 – 8.000 m³/h			8.001 – 8.500 m³/h		
L11-0.5	952,00	0,55	1,7	Min-Max	60-110	53-53	L11-0.5n300/380	60-90	54-54	L11-0.5n310/360	50-70	56-56	L11-0.5n310/340	40-50	57-57	L11-0.5n300/320
L11-0.7	985,00	0,75	2,2	Min-Max	120-180	53-54	L11-0.7n390/480	100-150	54-54	L11-0.7n370/440	80-130	56-56	L11-0.7n350/420	60-110	57-57	L11-0.7n330/400
L11-1.5	1.096,00	1,5	4,0	Min-Max	190-390	54-59	L11-1.5n490/720	160-370	54-59	L11-1.5n450/690	140-340	56-59	L11-1.5n430/660	120-310	57-59	L11-1.5n410/630
L11-2.2	1.263,00	2,2	6,0	Min-Max	400-440	59-61	L11-2.2n730/770	380-510	59-62	L11-2.2n700/820	350-500	59-62	L11-2.2n670/810	320-480	59-62	L11-2.2n640/790
L11-3.0	1.334,00	3,0	7,5	Min-Max	\	\	\	\	\	\	510-580	62-64	L11-3.0n820/880	490-640	62-65	L11-3.0n800/920
L11-4.0	1.654,00	4,0	9,5	Min-Max	\	\	\	\	\	\	\	\	\	650	65	L11-4.0n930
M11-0.7	1.463,00	0,75	2,2	Min-Max	130-170	45-48	M11-0.7n380/450	130-160	46-48	M11-0.7n380/440	120-150	46-48	M11-0.7n360/400	110-140	46-48	M11-0.7n360/400
M11-1.5	1.574,00	1,5	4,0	Min-Max	180	48	M11-1.5n460	170-210	48-51	M11-1.5n450/510	160-240	48-53	M11-1.5n410/520	150-270	48-54	M11-1.5n410/560
H11-1.5	1.899,00	1,5	4,0	Min-Max	230-490	52-58	H11-1.5n800/1130	210-470	53-58	H11-1.5n790/1100	190-440	54-58	H11-1.5n800/1050	170-410	55-58	H11-1.5n800/1060
H11-2.2	2.066,00	2,2	6,0	Min-Max	500-610	58-60	H11-2.2n1140/1220	480-670	58-62	H11-2.2n1110/1270	450-640	58-61	H11-2.2n1060/1260	420-610	58-61	H11-2.2n1070/1250
H11-3.0	2.137,00	3,0	7,5	Min-Max	\	\	\	680-700	62-62	H11-3.0n1280/1320	650-800	61-64	H11-3.0n1270/1420	620-810	61-64	H11-3.0n1260/1410
H11-4.0	2.457,00	4,0	9,5	Min-Max	\	\	\	\	\	\	\	\	\	820-910	64-65	H11-4.0n1420/1490
				Qa	8.501 – 9.000 m³/h			9.001 – 9.500 m³/h			9.501 – 10.000 m³/h			10.001 – 11.000 m³/h		
L11-0.7	985,00	0,75	2,2	Min-Max	50-80	58-58	L11-0.7n320/370	50	60	L11-0.7n340	\	\	\	\	\	\
L11-1.5	1.096,00	1,5	4,0	Min-Max	90-290	58-59	L11-1.5n380/610	60-260	60-60	L11-1.5n350/580	60-230	61-61	L11-1.5n360/550	70-170	63-63	L11-1.5n390/500
L11-2.2	1.263,00	2,2	6,0	Min-Max	300-450	59-62	L11-2.2n620/760	270-420	60-62	L11-2.2n590/730	240-390	61-62	L11-2.2n560/700	180-320	63-63	L11-2.2n510/640
L11-3.0	1.334,00	3,0	7,5	Min-Max	460-610	62-64	L11-3.0n770/890	430-580	62-64	L11-3.0n740/870	400-550	62-64	L11-3.0n710/840	330-480	63-64	L11-3.0n650/780
L11-4.0	1.654,00	4,0	9,5	Min-Max	620-730	64-67	L11-4.0n900/980	590-770	64-67	L11-4.0n880/1000	560-740	64-66	L11-4.0n850/980	490-670	64-66	L11-4.0n790/920
L11-5.5	2.090,00	5,5	13,0	Min-Max	\	\	\	780-810	67-68	L11-5.5n1010/1040	750-900	67-69	L11-5.5n990/1100	680-920	67-69	L11-5.5n930/1100
M11-0.7	1.463,00	0,75	2,2	Min-Max	120-130	47-48	M11-0.7n360/400	110	48	M11-0.7n360	\	\	\	\	\	\
M11-1.5	1.574,00	1,5	4,0	Min-Max	140-280	48-55	M11-1.5n410/580	120-270	48-55	M11-1.5n370/560	110-250	49-54	M11-1.5n360/510	100-230	50-54	M11-1.5n360/510
M11-2.2	1.741,00	2,2	6,0	Min-Max	290-310	55-56	M11-2.2n590/610	280-340	55-57	M11-2.2n570/640	260-370	54-58	M11-2.2n520/660	240-340	54-58	M11-2.2n520/630
M11-3.0	1.812,00	3,0	7,5	Min-Max	\	\	\	\	\	\	380	59-	M11-3.0n670	350-460	58-61	M11-3.0n640/730
H11-3.0	2.137,00	3,0	7,5	Min-Max	590-780	61-64	H11-3.0n1210/1430	550-740	61-64	H11-3.0n1220/1410	520-710	61-64	H11-3.0n1210/1320	460-640	63-64	H11-3.0n1220/1330
H11-4.0	2.457,00	4,0	9,5	Min-Max	790-1010	64-67	H11-4.0n1440/1570	750-970	64-66	H11-4.0n1420/1530	720-940	64-66	H11-4.0n1330/1510	650-860	64-66	H11-4.0n1340/1500
H11-5.5	2.893,00	5,5	13,0	Min-Max	1020	67	H11-5.5n1580	980-1130	66-68	H11-5.5n1540/1690	950-1250	66-69	H11-5.5n1520/1770	870-1170	66-69	H11-5.5n1510/1700
H11-7.5	3.109,00	7,5	17,0	Min-Max	\	\	\	\	\	\	1260	69	H11-7.5n1780	1180-1520	69-72	H11-7.5n1710/1950
				Qa	11.001 – 12.000 m³/h			12.001 – 13.000 m³/h			13.001 – 14.000 m³/h			14.001 – 15.000 m³/h		
L11-1.5	1.096,00	1,5	3,8	Min-Max	80-100	65-65	L11-1.5n430/450	\	\	\	\	\	\	\	\	\
L11-2.2	1.263,00	2,2	6,0	Min-Max	110-250	65-65	L11-2.2n460/590	90-180	67-67	L11-2.2n460/540	\	\	\	\	\	\
L11-3.0	1.334,00	3,0	7,7	Min-Max	260-410	65-65	L11-3.0n600/730	190-340	67-67	L11-3.0n550/680	110-260	68-68	L11-3.0n500/630	120-170	70-70	L11-3.0n530/570
L11-4.0	1.654,00	4,0	9,5	Min-Max	420-600	65-66	L11-4.0n740/870	350-520	67-67	L11-4.0n690/820	270-440	68-68	L11-4.0n640/760	180-350	70-70	L11-4.0n580/710
L11-5.5	2.090,00	5,5	13,0	Min-Max	610-850	67-69	L11-5.5n880/1040	530-770	67-69	L11-5.5n830/990	450-680	68-69	L11-5.5n770/930	360-600	70-70	L11-5.5n720/880
L11-7.5	2.306,00	7,5	17,0	Min-Max	860-930	69-70	L11-7.5n1050/1100	780-940	69-70	L11-7.5n1000/1100	690-910	69-71	L11-7.5n940/1100	610-890	70-71	L11-7.5n890/1070
M11-1.5	1.574,00	1,5	4,0	Min-Max	90-190	52-54	M11-1.5n360/440	80-160	54-54	M11-1.5n360/460	60-110	56-56	M11-1.5n360/400	50-60	57-57	M11-1.5n360/370
M11-2.2	1.741,00	2,2	6,0	Min-Max	200-310	54-57	M11-2.2n450/600	170-280	55-57	M11-2.2n470/580	120-240	56-57	M11-2.2n410/530	70-190	57-57	M11-2.2n380/490
M11-3.0	1.812,00	3,0	7,5	Min-Max	320-430	57-60	M11-3.0n610/700	290-400	57-60	M11-3.0n590/660	250-360	57-60	M11-3.0n540/630	200-320	58-59	M11-3.0n500/600
M11-4.0	2.132,00	4,0	9,5	Min-Max	440-550	61-63	M11-4.0n710/800	410-530	60-63	M11-4.0n670/790	370-490	60-62	M11-4.0n640/710	330-450	60-62	M11-4.0n610/700
M11-5.5	2.568,00	5,5	13,0	Min-Max	\	\	\	540-650	63-65	M11-5.5n800/1020	500-670	63-66	M11-5.5n720/890	460-630	62-65	M11-5.5n710/800
M11-7.5	2.784,00	7,5	17,0	Min-Max	\	\	\	\	\	\	680-750	66-67	M11-7.5n900/930	640-850	66-69	M11-7.5n810/1010
M11-9.0	2.974,00	9,0	20,0	Min-Max	\	\	\	\	\	\	\	\	\	860	69	M11-9.0n1020
H11-4.0	2.457,00	4,0	9,5	Min-Max	580-790	65-66	H11-4.0n1340/1430	500-700	66-67	H11-4.0n1330/1430	420-620	67-68	H11-4.0n1300/1430	340-540	67-69	H11-4.0n1270/1430
H11-5.5	2.893,00	5,5	13,0	Min-Max	800-1090	66-69	H11-5.5n1440/1700	710-1000	67-68	H11-5.5n1440/1600	630-920	68-69	H11-5.5n1440/1590	550-820	69-70	H11-5.5n1440/1600
H11-7.5	3.109,00	7,5	17,0	Min-Max	1100-1460	69-72	H11-7.5n1710/1940	1010-1370	69-71	H11-7.5n1610/1830	930-1280	69-71	H11-7.5n1600/1800	830-1180	70-71	H11-7.5n1610/1800
H11-9.0	3.299,00	9,0	20,0	Min-Max	1470-1720	72-73	H11-9.0n1950/2070	1380-1630	72-73	H11-9.0n1840/2030	1290-1530	71-73	H11-9.0n1810/2020	1190-1430	72-73	H11-9.0n1810/1920
H11-11	3.794,00	11,0	24,0	Min-Max	1730-1810	74-74	H11-11n2080/2100	1640-1780	73-74	H11-11n2040/2100	1540-1750	73-74	H11-11n2030/2100	1440-1700	73-74	H11-11n1930/2100
H11-15	4.601,00	15,0	32,0	Min-Max	\	\	\	1790-2130	74-76	H11-15n2110/2330	1760-2250	74-77	H11-15n2110/2350	1710-2220	74-77	H11-15n2110/2350
H11-18	5.316,00	18,5	33,0	Min-Max	\	\	\	\	\	\	\	\	\	2230-2830	77-80	H11-18n2360/2650
				Qa	15.001 – 16.000 m³/h			16.001 – 17.000 m³/h			17.001 – 18.000 m³/h			18.001 – 19.000 m³/h		
L11-4.0	1.654,00	4,0	9,5	Min-Max	140-260	71-71	L11-4.0n570/660	160-170	73-73	L11-4.0n610/620	\	\	\	\	\	\
L11-5.5	2.090,00	5,5	13,0	Min-Max	270-500	71-71	L11-5.5n670/820	180-400	73-73	L11-5.1						

M12 - H12

(RQa=20000.25000)
(M12=560) : (RPM-P) = (1100-15)2 ; (1200-18.5)4 ; (1300-30)6 ; (1300-45)7
(H12=560) : (RPM-P) = (1950-15)2 ; (2100-18.5)4 ; (2400-30)6 ; (2600-37)7

Mod.	Euro	kW	Amax	(H12=900) : (RPMF) = (1930-1512) : (2100-1633)4 : (2400-3018) : (2600-3371)												
				Pa	dB(A)	Motoriz.(Range)										
				Qa	14.001 – 15.000 m³/h	15.001 – 16.000 m³/h	16.001 – 17.000 m³/h	17.001 – 18.000 m³/h								
M12-1.5	1.815,00	1,5	4,0	Min-Max	80-150	52-53	M12-1.5n300/370	70-120	54-54	M12-1.5n300/360	60-80	55-55	M12-1.5n300/320	50	56	M12-1.5n310
M12-2.2	1.982,00	2,2	6,0	Min-Max	160-250	53-55	M12-2.2n380/470	130-220	54-55	M12-2.2n370/450	90-190	55-56	M12-2.2n330/420	60-160	56-57	M12-2.2n320/400
M12-3.0	2.053,00	3,0	7,5	Min-Max	260-350	55-58	M12-3.0n480/560	230-320	55-58	M12-3.0n460/530	200-300	56-57	M12-3.0n430/510	170-270	57-58	M12-3.0n410/490
M12-4.0	2.373,00	4,0	9,5	Min-Max	360-460	59-62	M12-4.0n570/640	330-440	58-61	M12-4.0n540/640	310-410	58-60	M12-4.0n520/600	280-380	58-60	M12-4.0n500/580
M12-5.5	2.809,00	5,5	13,0	Min-Max	470-560	62-64	M12-5.5n650/730	450-580	61-65	M12-5.5n650/720	420-560	61-64	M12-5.5n610/710	390-530	60-64	M12-5.5n690/690
M12-7.5	3.025,00	7,5	17,0	Min-Max	\			590-640	65-66	M12-7.5n730/760	570-720	64-67	M12-7.5n720/810	540-710	64-67	M12-7.5n700/800
M12-9.0	3.215,00	9,0	20,0	Min-Max	\			\			\			720-810	67-69	M12-9.0n810/860
H12-2.2	2.284,00	2,2	6,0	Min-Max	170-280	64-65	H12-2.2n870/970	200-230	65-65	H12-2.2n940/970	\			\		
H12-3.0	2.355,00	3,0	7,5	Min-Max	290-440	65-66	H12-3.0n980/1100	240-380	66-67	H12-3.0n980/1070	220-330	67-68	H12-3.0n980/1070	250-270	68-68	H12-3.0n1050/1070
H12-4.0	2.675,00	4,0	9,5	Min-Max	450-620	66-68	H12-4.0n1110/1200	390-560	67-68	H12-4.0n1080/1200	340-500	68-69	H12-4.0n1080/1200	280-440	68-70	H12-4.0n1080/1190
H12-5.5	3.111,00	5,5	13,0	Min-Max	630-880	68-69	H12-5.5n1210/1360	570-820	68-70	H12-5.5n1210/1350	510-750	69-70	H12-5.5n1210/1340	450-690	70-71	H12-5.5n1200/1360
H12-7.5	3.327,00	7,5	17,0	Min-Max	890-1190	69-71	H12-7.5n1370/1540	830-1130	70-71	H12-7.5n1360/1530	760-1060	70-72	H12-7.5n1350/1510	700-990	71-72	H12-7.5n1370/1500
H12-9.0	3.517,00	9,0	20,0	Min-Max	1200-1410	71-73	H12-9.0n1550/1660	1140-1340	72-73	H12-9.0n1540/1640	1070-1270	72-73	H12-9.0n1520/1640	1000-1200	72-73	H12-9.0n1510/1640
H12-11	4.012,00	11,0	24,0	Min-Max	1420-1690	73-75	H12-11n1670/1790	1350-1620	73-75	H12-11n1650/1770	1280-1550	73-74	H12-11n1650/1750	1210-1470	73-74	H12-11n1650/1730
H12-15	4.478,00	15,0	32,0	Min-Max	1700-1820	75-76	H12-15n1800/1860	1630-2000	75-77	H12-15n1780/1950	1560-1970	74-77	H12-15n1760/1950	1480-1940	74-77	H12-15n1740/1950
H12-18	5.227,00	18,5	33,0	Min-Max	\			\			1980-2320	77-79	H12-18n1960/2100	1950-2300	77-79	H12-18n1960/2100
H12-22	6.251,00	22,0	39,2	Min-Max	\			\			\			2310-2620	79-81	H12-22n2110/2230
				Qa	18.001 – 19.000 m³/h	19.001 – 20.000 m³/h	20.001 – 21.000 m³/h	21.001 – 22.000 m³/h								
M12-2.2	1.982,00	2,2	6,0	Min-Max	50-120	57-57	M12-2.2n320/380	60-80	59-59	M12-2.2n340/360	\			\		
M12-3.0	2.053,00	3,0	7,5	Min-Max	130-230	57-58	M12-3.0n390/470	90-190	59-59	M12-3.0n370/440	60-150	60-60	M12-3.0n350/430	70-110	61-61	M12-3.0n370/400
M12-4.0	2.373,00	4,0	9,5	Min-Max	240-350	59-60	M12-4.0n480/560	200-320	59-61	M12-4.0n450/550	160-280	60-61	M12-4.0n440/500	120-240	61-62	M12-4.0n410/500
M12-5.5	2.809,00	5,5	13,0	Min-Max	360-510	60-63	M12-5.5n570/670	330-480	61-63	M12-5.5n560/650	290-440	61-63	M12-5.5n510/630	250-400	62-63	M12-5.5n510/570
M12-7.5	3.025,00	7,5	17,0	Min-Max	520-690	63-67	M12-7.5n680/800	490-660	63-66	M12-7.5n660/760	450-630	63-66	M12-7.5n640/740	410-590	63-65	M12-7.5n580/720
M12-9.0	3.215,00	9,0	20,0	Min-Max	700-810	67-69	M12-9.0n810/840	670-780	66-68	M12-9.0n770/830	640-750	66-68	M12-9.0n750/820	600-720	63-67	M12-9.0n730/820
M12-11	3.710,00	11,0	24,0	Min-Max	820-900	69-70	M12-11n850/930	790-930	70-72	M12-11n840/920	760-910	68-70	M12-11n830/910	730-870	68-70	M12-11n830/910
M12-15	4.176,00	15,0	32,0	Min-Max	\			940-1000	72-73	M12-15n930/960	920-1100	71-73	M12-15n920/1030	880-1200	70-74	M12-15n920/1040
H12-4.0	2.675,00	4,0	9,5	Min-Max	270-380	69-70	H12-4.0n1100/1180	300-320	71-71	H12-4.0n1160/1200	\			\		
H12-5.5	3.111,00	5,5	13,0	Min-Max	390-620	71-72	H12-5.5n1190/1320	330-550	71-73	H12-5.5n1210/1290	330-480	72-73	H12-5.5n1220/1290	360-410	73-73	H12-5.5n1280/1290
H12-7.5	3.327,00	7,5	17,0	Min-Max	630-920	72-73	H12-7.5n1330/1480	560-840	73-74	H12-7.5n1300/1430	490-770	73-74	H12-7.5n1300/1430	420-690	73-75	H12-7.5n1300/1430
H12-9.0	3.517,00	9,0	20,0	Min-Max	930-1130	73-74	H12-9.0n1490/1600	850-1050	74-74	H12-9.0n1440/1580	780-970	74-75	H12-9.0n1440/1570	700-890	75-75	H12-9.0n1440/1540
H12-11	4.012,00	11,0	24,0	Min-Max	1140-1390	74-75	H12-11n1610/1730	1060-1310	74-75	H12-11n1590/1710	980-1230	75-75	H12-11n1580/1690	900-1150	75-76	H12-11n1550/1670
H12-15	4.478,00	15,0	32,0	Min-Max	1400-1900	75-77	H12-15n1740/1950	1320-1850	75-77	H12-15n1720/1940	1240-1770	75-77	H12-15n1700/1940	1160-1680	76-77	H12-15n1680/1920
H12-18	5.227,00	18,5	33,0	Min-Max	1910-2260	77-79	H12-18n1960/2100	1860-2230	77-79	H12-18n1950/2100	1780-2170	77-79	H12-18n1950/2090	1690-2080	77-79	H12-18n1930/2080
H12-22	6.251,00	22,0	39,2	Min-Max	2270-2710	79-81	H12-22n2110/2280	2240-2620	79-81	H12-22n2110/2270	2180-2530	79-80	H12-22n2100/2230	2090-2440	79-80	H12-22n2090/2220
H12-30	7.231,00	30,0	52,8	Min-Max	2720-2920	81-82	H12-30n2290/2370	2630-3020	81-83	H12-30n2280/2400	2540-2980	80-82	H12-30n2240/2400	2450-2950	80-82	H12-30n2230/2400
H12-37	8.875,00	37,0	65,0	Min-Max	\			\			2990-3560	82-85	H12-37n2410/2600	2960-3530	82-84	H12-37n2410/2600
				Qa	22.001 – 23.000 m³/h	23.001 – 24.000 m³/h	24.001 – 25.000 m³/h	25.001 – 27.500 m³/h								
M12-4.0	2.373,00	4,0	9,5	Min-Max	70-190	62-62	M12-4.0n390/470	80-140	63-63	M12-4.0n410/450	90	64	M12-4.0n430	\		
M12-5.5	2.809,00	5,5	13,0	Min-Max	200-360	62-64	M12-5.5n480/580	150-320	63-64	M12-5.5n460/560	100-270	64-65	M12-5.5n440/560	100-130	66-66	M12-5.5n460/480
M12-7.5	3.025,00	7,5	17,0	Min-Max	370-560	64-65	M12-7.5n590/710	330-510	64-66	M12-7.5n570/670	280-470	65-66	M12-7.5n570/660	140-340	67-67	M12-7.5n490/590
M12-9.0	3.215,00	9,0	20,0	Min-Max	570-680	66-67	M12-9.0n720/810	520-650	66-67	M12-9.0n680/750	480-600	66-67	M12-9.0n670/730	350-480	67-68	M12-9.0n600/660
M12-11	3.710,00	11,0	24,0	Min-Max	690-840	67-69	M12-11n820/860	660-810	67-69	M12-11n760/840	610-770	67-69	M12-11n740/820	490-650	68-69	M12-11n670/760
M12-15	4.176,00	15,0	32,0	Min-Max	850-1170	69-74	M12-15n870/1040	820-1130	69-73	M12-15n850/1000	780-1100	69-73	M12-15n830/1030	660-1000	69-72	M12-15n770/930
M12-18	4.834,00	18,5	33,0	Min-Max	1180-1320	74-76	M12-18n1050/1100	1140-1370	74-76	M12-18n1010/1150	1110-1330	73-76	M12-18n1040/1100	1010-1240	72-75	M12-18n940/1040
M12-22	5.976,00	22,0	39,2	Min-Max	\			1380-1440	76-77	M12-22n1160/1200	1340-1540	76-78	M12-22n1110/1200	1250-1450	75-77	M12-22n1050/1130
M12-30	6.956,00	30,0	52,8	Min-Max	\			\			1550-1560	78-78	M12-30n1210/1220	1460-1860	77-80	M12-30n1140/1300
H12-7.5	3.327,00	7,5	17,0	Min-Max	400-620	74-75	H12-7.5n1340/1460	430-540	75-76	H12-7.5n1400/1430	\			\		
H12-9.0	3.517,00	9,0	20,0	Min-Max	630-820	75-76	H12-9.0n1470/1560	550-740	76-77	H12-9.0n1440/1560	470-650	76-77	H12-9.0n1460/1540	\		
H12-11	4.012,00	11,0	24,0	Min-Max	830-1070	76-77	H12-11n1570/1650	750-980	77-77	H12-11n1570/1670	660-900	77-78	H12-11n1560/1670	570-680	78-79	H12-11n1600/1650
H12-15	4.478,00	15,0	32,0	Min-Max	1080-1590	77-78	H12-15n1660/1900	990-1500	77-78	H12-15n1680/1900	910-1410	78				

M13 - H13

(RQa=25000.30000)
(M13=630) : (RPM-P) = (900-15)2 : (1000-18.5)4 : (1100-30)6 : (1100-45)7
(H13=630) : (RPM-P) = (1600-15)2 : (1700-18.5)4 : (2000-30)6 : (2300-45)7

Mod.	Euro	kW	Amax	(H13=630) : (RPM-P) = (1800-152) : (1700-185)4 : (2000-30)6 : (2300-45)1			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)			Pa dB(A) Motoriz.(Range)		
				Qa	18.001 – 19.000 m³/h			19.001 – 20.000 m³/h			20.001 – 21.000 m³/h			21.001 – 22.000 m³/h				
M13-1.5	2.115,00	1,5	4,0	Min-Max	80-100	52-52	M13-1.5n250/280	70	53	M13-1.5n250	\			\				
M13-2.2	2.282,00	2,2	6,0	Min-Max	110-180	52-54	M13-2.2n290/340	80-160	53-55	M13-2.2n260/330	60-140	54-55	M13-2.2n250/320	50-110	55-56	M13-2.2n250/300		
M13-3.0	2.353,00	3,0	7,5	Min-Max	190-270	54-57	M13-3.0n350/420	170-250	55-57	M13-3.0n340/410	150-230	55-57	M13-3.0n330/390	120-210	56-57	M13-3.0n310/380		
M13-4.0	2.673,00	4,0	9,5	Min-Max	280-360	57-59	M13-4.0n430/490	260-350	57-59	M13-4.0n420/480	240-320	57-59	M13-4.0n400/460	220-300	58-59	M13-4.0n390/440		
M13-5.5	3.109,00	5,5	13,0	Min-Max	370-490	59-62	M13-5.5n500/580	360-470	59-62	M13-5.5n490/570	330-450	59-62	M13-5.5n470/560	310-430	59-62	M13-5.5n450/520		
M13-7.5	3.325,00	7,5	17,0	Min-Max	500-570	63-64	M13-7.5n590/640	480-630	62-66	M13-7.5n580/640	460-610	62-65	M13-7.5n570/640	440-590	62-65	M13-7.5n530/630		
M13-9.0	3.515,00	9,0	20,0	Min-Max	\			640	66	M13-9.0n650	620-700	65-67	M13-9.0n650/700	600-700	65-67	M13-9.0n640/700		
M13-11	4.010,00	11,0	24,0	Min-Max	\			\			\			710-770	67-68	M13-11n710/750		
H13-2.2	2.656,00	2,2	6,0	Min-Max	170-200	62-62	H13-2.2n760/790	\			\			\				
H13-3.0	2.727,00	3,0	7,5	Min-Max	210-330	62-64	H13-3.0n800/880	190-290	63-64	H13-3.0n800/880	210-250	64-64	H13-3.0n850/870	\				
H13-4.0	3.047,00	4,0	9,5	Min-Max	340-480	64-65	H13-4.0n890/970	300-440	65-66	H13-4.0n890/1000	260-400	65-67	H13-4.0n880/990	230-350	65-67	H13-4.0n890/960		
H13-5.5	3.483,00	5,5	13,0	Min-Max	490-700	65-67	H13-5.5n980/1110	450-650	66-67	H13-5.5n1010/1140	410-610	67-68	H13-5.5n1000/1090	360-560	67-69	H13-5.5n970/1090		
H13-7.5	3.699,00	7,5	17,0	Min-Max	710-950	67-69	H13-7.5n1120/1250	660-910	67-69	H13-7.5n1150/1250	620-860	68-69	H13-7.5n1100/1220	570-810	69-70	H13-7.5n1100/1220		
H13-9.0	3.889,00	9,0	20,0	Min-Max	960-1130	69-71	H13-9.0n1260/1350	920-1080	69-70	H13-9.0n1260/1320	870-1040	69-70	H13-9.0n1230/1320	820-990	70-70	H13-9.0n1230/1310		
H13-11	4.384,00	11,0	24,0	Min-Max	1140-1270	71-72	H13-11n1360/1420	1090-1310	71-72	H13-11n1330/1450	1050-1260	70-72	H13-11n1330/1450	1000-1210	71-72	H13-11n1320/1410		
H13-15	4.850,00	15,0	32,0	Min-Max	\			1320-1410	72-73	H13-15n1460/1500	1270-1560	72-74	H13-15n1460/1570	1220-1610	72-75	H13-15n1420/1600		
H13-18	5.712,00	18,5	33,0	Min-Max	\			\			\			1620-1710	75-75	H13-18n1610/1670		
				Qa	22.001 – 23.000 m³/h			23.001 – 24.000 m³/h			24.001 – 25.000 m³/h			25.001 – 27.500 m³/h				
M13-2.2	2.282,00	2,2	6,0	Min-Max	50-90	56-56	M13-2.2n260/290	50	57	M13-2.2n260	\			\				
M13-3.0	2.353,00	3,0	7,5	Min-Max	100-180	56-58	M13-3.0n300/360	60-150	57-58	M13-3.0n270/340	50-120	58-59	M13-3.0n270/330	\				
M13-4.0	2.673,00	4,0	9,5	Min-Max	190-280	58-59	M13-4.0n370/430	160-260	58-60	M13-4.0n350/420	130-230	59-60	M13-4.0n340/410	70-150	61-61	M13-4.0n300/370		
M13-5.5	3.109,00	5,5	13,0	Min-Max	290-410	59-62	M13-5.5n440/520	270-390	60-62	M13-5.5n430/500	240-360	60-62	M13-5.5n420/500	160-290	61-62	M13-5.5n380/450		
M13-7.5	3.325,00	7,5	17,0	Min-Max	420-570	62-65	M13-7.5n530/620	400-540	62-64	M13-7.5n510/600	370-520	62-64	M13-7.5n510/590	300-450	62-64	M13-7.5n460/550		
M13-9.0	3.515,00	9,0	20,0	Min-Max	580-670	65-67	M13-9.0n630/670	550-650	65-66	M13-9.0n610/660	530-630	65-66	M13-9.0n600/650	460-560	64-66	M13-9.0n560/600		
M13-11	4.010,00	11,0	24,0	Min-Max	680-810	67-69	M13-11n680/750	660-790	67-69	M13-11n670/740	640-760	66-68	M13-11n660/730	570-700	66-68	M13-11n610/690		
M13-15	4.476,00	15,0	32,0	Min-Max	820-840	69-69	M13-15n760/770	800-920	69-71	M13-15n750/810	770-1000	68-72	M13-15n740/820	710-980	68-71	M13-15n700/820		
M13-18	5.400,00	18,5	33,0	Min-Max	\			\			\			990-1190	71-74	M13-18n830/920		
H13-4.0	3.047,00	4,0	9,5	Min-Max	250-310	66-67	H13-4.0n930/960	\			\			\				
H13-5.5	3.483,00	5,5	13,0	Min-Max	320-510	67-69	H13-5.5n970/1080	270-460	67-70	H13-5.5n960/1080	300-410	69-70	H13-5.5n1010/1070	\				
H13-7.5	3.699,00	7,5	17,0	Min-Max	520-760	70-71	H13-7.5n1090/1210	470-710	70-71	H13-7.5n1090/1200	420-660	70-72	H13-7.5n1080/1200	360-520	72-73	H13-7.5n1100/1190		
H13-9.0	3.889,00	9,0	20,0	Min-Max	770-940	71-71	H13-9.0n1220/1300	720-890	71-72	H13-9.0n1210/1300	670-830	72-72	H13-9.0n1210/1290	530-690	73-74	H13-9.0n1200/1290		
H13-11	4.384,00	11,0	24,0	Min-Max	950-1160	71-72	H13-11n1310/1400	900-1110	72-72	H13-11n1310/1400	840-1050	72-73	H13-11n1300/1380	700-910	74-74	H13-11n1300/1380		
H13-15	4.850,00	15,0	32,0	Min-Max	1170-1590	72-75	H13-15n1410/1600	1120-1550	72-74	H13-15n1410/1590	1060-1500	73-74	H13-15n1390/1590	920-1350	74-75	H13-15n1390/1560		
H13-18	5.712,00	18,5	33,0	Min-Max	1600-1820	75-76	H13-18n1610/1700	1560-1800	75-76	H13-18n1600/1700	1510-1780	74-76	H13-18n1600/1700	1360-1670	75-76	H13-18n1570/1680		
H13-22	6.965,00	22,0	39,2	Min-Max	\			1710-2030	76-77	H13-22n1710/1790	1790-2120	76-78	H13-22n1710/1840	1680-1970	76-77	H13-22n1690/1840		
H13-30	7.945,00	30,0	52,8	Min-Max	\			\			2130-2210	78-79	H13-30n1850/1880	1980-2510	77-80	H13-30n1850/2000		
H13-37	9.626,00	37,0	52,8	Min-Max	\			\			\			2520-2670	80-81	H13-37n2010/2080		
				Qa	27.501 – 30.000 m³/h			30.001 – 32.500 m³/h			32.501 – 35.000 m³/h			35.001 – 37.500 m³/h				
M13-5.5	3.109,00	5,5	13,0	Min-Max	80-210	63-63	M13-5.5n320/410	90-110	65-65	M13-5.5n350/370	\			\				
M13-7.5	3.325,00	7,5	17,0	Min-Max	220-380	63-65	M13-7.5n420/510	120-290	65-65	M13-7.5n380/470	100-180	66-66	M13-7.5n390/450	\				
M13-9.0	3.515,00	9,0	20,0	Min-Max	390-490	65-66	M13-9.0n520/580	300-410	65-66	M13-9.0n480/520	190-310	66-67	M13-9.0n460/520	120-190	68-68	M13-9.0n420/470		
M13-11	4.010,00	11,0	24,0	Min-Max	500-630	66-68	M13-11n590/650	420-550	66-68	M13-11n530/580	320-460	67-68	M13-11n530/580	200-350	68-68	M13-11n480/530		
M13-15	4.476,00	15,0	32,0	Min-Max	640-910	68-71	M13-15n660/810	560-840	68-71	M13-15n590/730	470-750	68-71	M13-15n590/730	360-660	69-71	M13-15n540/660		
M13-18	5.400,00	18,5	33,0	Min-Max	920-1110	71-73	M13-18n820/900	850-1040	71-73	M13-18n740/830	760-950	71-72	M13-18n740/820	670-860	71-72	M13-18n670/750		
M13-22	6.521,00	22,0	39,2	Min-Max	1120-1300	73-75	M13-22n910/950	1050-1220	73-74	M13-22n840/920	960-1140	72-74	M13-22n830/870	870-1050	72-74	M13-22n760/830		
M13-30	7.501,00	30,0	52,8	Min-Max	1310-1440	75-76	M13-30n960/1030	1230-1630	74-78	M13-30n930/1060	1150-1550	74-77	M13-30n880/1040	1060-1460	74-77	M13-30n840/1040		
M13-37	8.458,00	37,0	65,0	Min-Max	\			1640-1690	78-79	M13-37n1070/1090	1560-1740	77-79	M13-37n1050/1100	1470-1770	77-79	M13-37n1050/1100		
H13-9.0	3.889,00	9,0	20,0	Min-Max	420-540	74-74	H13-9.0n1160/1300	\			\			\				
H13-11	4.384,00	11,0	24,0	Min-Max	550-750	74-75	H13-11n1310/1360	500-590	75-76	H13-11n1300/1350	\			\				
H13-15	4.850,00	15,0	32,0	Min-Max	760-1190	76-77	H13-15n1370/1540	600-1020	76-78	H13-15n1360/1530	570-840	77-78	H13-15n1410/1510	\				
H13-18	5.712,00	18,5	33,0	Min-Max	1200-1510	77-77	H13-18n1550/1650	1030-1340	78-78	H13-18n1540/1650	850-1160	78-79	H13-18n1520/1650	660-970				

M14 - H14

(RQa=30000.40000)
(M14=710) : (RPM-P) = (750-18.5)2 ; (850-22)4 ; (900-37)6 ; (900-55)7
(H14=710) : (RPM-P) = (1300-15)2 ; (1500-22)4 ; (1700-37)6 ; (2000-55)7

Mod.	Euro	kW	Amax		Pa			Pa			Pa			Pa		
					dB(A)	Motoriz.(Range)		dB(A)	Motoriz.(Range)		dB(A)	Motoriz.(Range)		dB(A)	Motoriz.(Range)	
				Qa	21.001 – 22.000 m³/h			22.001 – 23.000 m³/h			23.001 – 24.000 m³/h			24.001 – 25.000 m³/h		
M14-2.2	2.742,00	2,2	6,0	Min-Max	110-160	51-53	M14-2.2n250/300	110-140	52-53	M14-2.2n250/280	100-120	53-53	M14-2.2n250/270	100	54	M14-2.2n250
M14-3.0	2.813,00	3,0	7,5	Min-Max	170-230	53-55	M14-3.0n310/350	150-220	53-55	M14-3.0n290/340	130-200	54-55	M14-3.0n280/330	110-180	54-55	M14-3.0n260/330
M14-4.0	3.133,00	4,0	9,5	Min-Max	240-310	55-57	M14-4.0n360/410	230-300	55-57	M14-4.0n350/400	210-290	55-57	M14-4.0n340/390	190-270	55-58	M14-4.0n340/390
M14-5.5	3.569,00	5,5	13,0	Min-Max	320-430	57-61	M14-5.5n420/480	310-410	58-60	M14-5.5n410/470	300-400	58-60	M14-5.5n400/460	280-380	58-60	M14-5.5n400/460
M14-7.5	3.785,00	7,5	17,0	Min-Max	440-490	62-69	M14-7.5n490/520	420-530	61-64	M14-7.5n480/570	410-530	61-64	M14-7.5n470/540	390-520	60-64	M14-7.5n470/520
M14-9.0	3.975,00	9,0	20,0	Min-Max	\			\			540-580	65-66	M14-9.0n550/570	530-610	64-66	M14-9.0n530/570
M14-11	4.470,00	11,0	24,0	Min-Max	\			\			\			620-630	66-73	M14-11n580/600
H14-3.0	3.461,00	3,0	7,5	Min-Max	180-280	60-61	H14-3.0n650/720	170-250	61-62	H14-3.0n660/720	180-220	62-62	H14-3.0n680/720	\		
H14-4.0	3.781,00	4,0	9,5	Min-Max	290-420	61-62	H14-4.0n730/800	260-380	62-63	H14-4.0n730/790	230-350	62-63	H14-4.0n730/800	200-320	63-64	H14-4.0n720/800
H14-5.5	4.217,00	5,5	13,0	Min-Max	430-600	62-62	H14-5.5n810/900	390-570	63-64	H14-5.5n800/900	360-530	64-65	H14-5.5n810/900	330-500	64-65	H14-5.5n810/900
H14-7.5	4.433,00	7,5	17,0	Min-Max	610-830	64-66	H14-7.5n910/1030	580-790	64-66	H14-7.5n910/1020	540-760	65-66	H14-7.5n910/1010	510-720	65-67	H14-7.5n910/1000
H14-9.0	4.623,00	9,0	20,0	Min-Max	840-990	66-68	H14-9.0n1040/1100	800-950	66-68	H14-9.0n1030/1090	770-910	67-68	H14-9.0n1020/1080	730-880	67-68	H14-9.0n1010/1070
H14-11	5.118,00	11,0	24,0	Min-Max	1000-1060	68-69	H14-11n1110/1140	960-1150	68-70	H14-11n1100/1180	920-1110	68-70	H14-11n1090/1180	890-1070	68-70	H14-11n1080/1150
H14-15	5.584,00	15,0	32,0	Min-Max	\			1160	70	H14-15n1190	1120-1270	70-71	H14-15n1190/1250	1080-1370	70-72	H14-15n1160/1300
				Qa	25.001 – 27.500 m³/h			27.501 – 30.000 m³/h			30.001 – 32.500 m³/h			32.501 – 35.000 m³/h		
M14-3.0	2.813,00	3,0	7,5	Min-Max	80-140	56-56	M14-3.0n250/300	60-80	58-58	M14-3.0n250/270	\			\		
M14-4.0	3.133,00	4,0	9,5	Min-Max	150-220	57-58	M14-4.0n310/360	90-170	58-59	M14-4.0n280/320	60-110	60-60	M14-4.0n250/300	\		
M14-5.5	3.569,00	5,5	13,0	Min-Max	230-340	58-60	M14-5.5n370/430	180-290	59-60	M14-5.5n330/400	120-230	60-61	M14-5.5n310/370	60-170	62-62	M14-5.5n260/360
M14-7.5	3.785,00	7,5	17,0	Min-Max	350-480	60-63	M14-7.5n440/510	300-430	60-63	M14-7.5n410/480	240-380	61-63	M14-7.5n380/460	180-320	62-63	M14-7.5n370/430
M14-9.0	3.975,00	9,0	20,0	Min-Max	490-570	63-65	M14-9.0n520/560	440-520	63-64	M14-9.0n490/520	390-470	63-65	M14-9.0n470/510	330-410	64-65	M14-9.0n440/470
M14-11	4.470,00	11,0	24,0	Min-Max	580-690	65-68	M14-11n570/610	530-640	65-67	M14-11n530/580	480-590	65-66	M14-11n520/580	420-540	65-66	M14-11n480/530
M14-15	4.936,00	15,0	32,0	Min-Max	700-770	68-69	M14-15n620/650	650-890	67-71	M14-15n590/720	600-840	66-70	M14-15n590/650	550-780	66-69	M14-15n540/650
M14-18	5.193,00	18,5	33,0	Min-Max	\			900-910	71-71	M14-18n730/740	850-1020	70-73	M14-18n660/750	790-960	69-72	M14-18n660/740
M14-22	5.990,00	22,0	39,2	Min-Max	\			\			1030-1070	73-74	M14-22n760/780	970-1130	72-74	M14-22n750/820
M14-30	8.117,00	30,0	52,8	Min-Max	\			\			\			1140-1250	74-76	M14-30n830/850
H14-5.5	4.217,00	5,5	13,0	Min-Max	240-410	65-67	H14-5.5n800/910	280-310	68-68	H14-5.5n860/870	\			\		
H14-7.5	4.433,00	7,5	17,0	Min-Max	420-620	67-68	H14-7.5n920/1000	320-520	68-69	H14-7.5n880/1000	330-420	70-70	H14-7.5n900/990	\		
H14-9.0	4.623,00	9,0	20,0	Min-Max	630-780	68-69	H14-9.0n1010/1060	530-670	69-70	H14-9.0n1010/1050	430-560	70-71	H14-9.0n1000/1050	380-450	72-72	H14-9.0n1000/1040
H14-11	5.118,00	11,0	24,0	Min-Max	790-970	69-70	H14-11n1070/1150	680-860	70-71	H14-11n1060/1130	570-750	71-72	H14-11n1060/1150	460-630	72-73	H14-11n1050/1110
H14-15	5.584,00	15,0	32,0	Min-Max	980-1340	70-72	H14-15n1160/1300	870-1250	71-72	H14-15n1140/1290	760-1140	72-73	H14-15n1160/1290	640-1010	73-74	H14-15n1120/1260
H14-18	6.089,00	18,5	33,0	Min-Max	1350-1660	72-74	H14-18n1310/1470	1260-1550	72-74	H14-18n1300/1400	1150-1430	73-74	H14-18n1300/1390	1020-1300	74-75	H14-18n1270/1350
H14-22	6.479,00	22,0	39,2	Min-Max	\			1560-1830	74-76	H14-22n1410/1500	1440-1700	74-75	H14-22n1400/1470	1310-1560	75-76	H14-22n1360/1450
H14-30	8.802,00	30,0	52,8	Min-Max	\			1840-1980	76-76	H14-30n1510/1570	1710-2270	75-78	H14-30n1480/1660	1570-2140	76-78	H14-30n1460/1660
H14-37	9.416,00	37,0	65,0	Min-Max	\			\			2280-2320	78-78	H14-37n1670/1680	2150-2320	78-79	H14-37n1670/1700
H14-45	11.490,00	45,0	78,2	Min-Max	\			\			\			2330-2700	79-80	H14-45n1710/1850
				Qa	35.001 – 37.500 m³/h			37.501 – 40.000 m³/h			40.001 – 42.500 m³/h			42.501 – 45.000 m³/h		
M14-5.5	3.569,00	5,5	13,0	Min-Max	70-100	64-64	M14-5.5n290/320	\			\			\		
M14-7.5	3.785,00	7,5	17,0	Min-Max	110-250	64-64	M14-7.5n330/400	80-180	65-65	M14-7.5n300/370	90-100	67-67	M14-7.5n330/340	\		
M14-9.0	3.975,00	9,0	20,0	Min-Max	260-350	64-65	M14-9.0n410/470	190-280	65-66	M14-9.0n380/420	110-200	67-67	M14-9.0n350/410	100-120	68-68	M14-9.0n360/370
M14-11	4.470,00	11,0	24,0	Min-Max	360-470	65-66	M14-11n480/520	290-400	66-67	M14-11n430/470	210-330	67-67	M14-11n420/460	130-240	68-68	M14-11n380/410
M14-15	4.936,00	15,0	32,0	Min-Max	480-730	67-69	M14-15n530/650	410-660	67-69	M14-15n480/590	340-590	67-69	M14-15n470/580	250-510	68-70	M14-15n420/540
M14-18	5.193,00	18,5	33,0	Min-Max	740-900	69-71	M14-18n660/730	670-840	69-71	M14-18n600/660	600-770	70-71	M14-18n590/650	520-700	70-71	M14-18n550/640
M14-22	5.990,00	22,0	39,2	Min-Max	910-1070	71-73	M14-22n740/760	850-1010	71-73	M14-22n670/730	780-940	71-72	M14-22n660/730	710-870	71-73	M14-22n650/680
M14-30	8.117,00	30,0	52,8	Min-Max	1080-1420	73-77	M14-30n770/890	1020-1350	73-76	M14-30n740/850	950-1290	73-75	M14-30n740/820	880-1220	73-75	M14-30n690/830
M14-37	8.731,00	37,0	65,0	Min-Max	1430	77	M14-37n900	1360-1480	76-78	M14-37n860/900	1300-1490	76-77	M14-37n830/900	1230-1500	75-77	M14-37n840/900
H14-11	5.118,00	11,0	24,0	Min-Max	440-510	74-74	H14-11n1070/1150	\			\			\		
H14-15	5.584,00	15,0	32,0	Min-Max	520-880	74-75	H14-15n1160/1270	500-750	76-76	H14-15n1140/1240	570-610	77-77	H14-15n1220/1240	\		
H14-18	6.089,00	18,5	33,0	Min-Max	890-1170	75-76	H14-18n1280/1320	760-1030	76-77	H14-18n1250/1340	620-890	77-78	H14-18n1250/1310	630-740	78-78	H14-18n1290/1320
H14-22	6.479,00	22,0	39,2	Min-Max	1180-1440	76-76	H14-22n1330/1470	1040-1300	77-77	H14-22n1350/1470	900-1150	78-78	H14-22n1320/1400	750-1000	78-79	H14-22n1330/1420
H14-30	8.802,00	30,0	52,8	Min-Max	1450-2000	76-78	H14-30n1480/1650	1310-1850	77-78	H14-30n1480/1600	1160-1700	78-79	H14-30n1410/1570	1010-1540	79-80	H14-30n1430/1570
H14-37	9.416,00	37,0	65,0	Min-Max	2010-2260	78-79	H14-37n1660/1700									

M15 - H15

(RQα=40000.50000)
(M15=800) : (RPM-P) = (750-22)4 : (800-37)6 : (800-55)7
(H15=800) : (RPM-P) = (1200-22)4 : (1400-37)6 : (1650-55)7

Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	23.001 – 24.000 m³/h			24.001 – 25.000 m³/h			25.001 – 27.500 m³/h			27.501 – 30.000 m³/h		
M15-2.2	3.723,00	2,2	6,0	Min-Max	100-150	51-53	M15-2.2n200/250	100-140	52-54	M15-2.2n200/240	90-110	54-54	M15-2.2n200/220	80	55	M15-2.2n200
M15-3.0	3.794,00	3,0	7,5	Min-Max	160-220	54-56	M15-3.0n260/300	150-210	54-56	M15-3.0n250/290	120-180	54-56	M15-3.0n230/270	90-150	56-57	M15-3.0n210/250
M15-4.0	4.114,00	4,0	9,5	Min-Max	230-300	56-59	M15-4.0n310/350	220-290	56-59	M15-4.0n300/340	190-260	57-59	M15-4.0n280/340	160-220	57-59	M15-4.0n260/300
M15-5.5	4.550,00	5,5	13,0	Min-Max	310-370	60-62	M15-5.5n360/400	300-390	59-63	M15-5.5n350/400	270-360	59-62	M15-5.5n350/380	230-330	59-61	M15-5.5n310/370
M15-7.5	4.766,00	7,5	17,0	Min-Max	\			400	63	M15-7.5n410	370-480	62-66	M15-7.5n390/450	340-450	62-65	M15-7.5n380/430
M15-9.0	4.956,00	9,0	20,0	Min-Max	\			\			490	66	M15-9.0n460	460-540	65-67	M15-9.0n440/470
M15-11	5.451,00	11,0	24,0	Min-Max	\			\			\			550-580	68-69	M15-11n480/520
H15-3.0	4.141,00	3,0	7,5	Min-Max	210-280	58-59	H15-3.0n550/600	200-260	59-60	H15-3.0n530/600	150-200	60-61	H15-3.0n530/590	\		
H15-4.0	4.461,00	4,0	9,5	Min-Max	290-390	59-60	H15-4.0n610/660	270-370	60-61	H15-4.0n610/650	210-310	61-62	H15-4.0n600/650	160-250	62-63	H15-4.0n580/640
H15-5.5	4.897,00	5,5	13,0	Min-Max	400-560	60-62	H15-5.5n670/760	380-530	61-62	H15-5.5n660/730	320-470	62-63	H15-5.5n660/720	260-400	63-64	H15-5.5n650/710
H15-7.5	5.113,00	7,5	17,0	Min-Max	570-760	63-65	H15-7.5n770/860	540-730	63-65	H15-7.5n740/840	480-660	63-65	H15-7.5n730/810	410-590	64-65	H15-7.5n720/810
H15-9.0	5.303,00	9,0	20,0	Min-Max	770-900	65-67	H15-9.0n870/930	740-870	65-67	H15-9.0n850/920	670-800	65-66	H15-9.0n820/910	600-730	66-66	H15-9.0n820/910
H15-11	5.798,00	11,0	24,0	Min-Max	910	67	H15-11n940	880-990	67-69	H15-11n930/1020	810-970	67-69	H15-11n920/1020	740-900	67-68	H15-11n920/940
H15-15	6.264,00	15,0	32,0	Min-Max	\			\			980-1200	69-71	H15-15n1030/1080	910-1240	68-72	H15-15n950/1100
H15-18	6.521,00	18,5	33,0	Min-Max	\			\			\			1250-1430	72-73	H15-18n1110/1170
				Qa	30.001 – 32.500 m³/h			32.501 – 35.000 m³/h			35.001 – 37.500 m³/h			37.501 – 40.000 m³/h		
M15-3.0	3.794,00	3,0	7,5	Min-Max	70-110	57-58	M15-3.0n200/230	60-70	59-59	M15-3.0n200/210	\			\		
M15-4.0	4.114,00	4,0	9,5	Min-Max	120-190	58-59	M15-4.0n240/290	80-150	59-60	M15-4.0n220/260	50-100	61-61	M15-4.0n200/240	50-60	62-62	M15-4.0n210/220
M15-5.5	4.550,00	5,5	13,0	Min-Max	200-290	59-61	M15-5.5n300/350	160-250	60-61	M15-5.5n270/320	110-210	61-62	M15-5.5n250/320	70-160	62-63	M15-5.5n230/280
M15-7.5	4.766,00	7,5	17,0	Min-Max	300-410	61-64	M15-7.5n360/410	260-380	62-64	M15-7.5n330/390	220-330	62-64	M15-7.5n330/370	170-290	63-64	M15-7.5n290/350
M15-9.0	4.956,00	9,0	20,0	Min-Max	420-500	64-66	M15-9.0n420/470	390-460	64-66	M15-9.0n400/430	340-420	64-65	M15-9.0n380/410	300-370	64-66	M15-9.0n360/400
M15-11	5.451,00	11,0	24,0	Min-Max	510-610	66-69	M15-11n480/510	470-570	66-68	M15-11n440/480	430-530	66-67	M15-11n420/470	380-480	66-67	M15-11n410/450
M15-15	5.917,00	15,0	32,0	Min-Max	620-680	69-71	M15-15n520/530	580-790	68-73	M15-15n490/580	540-750	68-72	M15-15n480/560	490-710	67-71	M15-15n460/530
M15-18	6.174,00	18,5	33,0	Min-Max	\			\			760-910	72-75	M15-18n570/620	720-870	71-74	M15-18n540/590
M15-22	6.564,00	22,0	39,2	Min-Max	\			\			\			880-1020	74-76	M15-22n600/650
M15-30	8.691,00	30,0	52,8	Min-Max	\			\			\			1030-1040	76-76	M15-30n660/670
H15-4.0	4.461,00	4,0	9,5	Min-Max	190	64	H15-4.0n640	\			\			\		
H15-5.5	4.897,00	5,5	13,0	Min-Max	200-340	64-65	H15-5.5n650/710	220-270	66-66	H15-5.5n690/710	\			\		
H15-7.5	5.113,00	7,5	17,0	Min-Max	350-520	66-67	H15-7.5n720/800	280-450	66-68	H15-7.5n720/800	250-370	68-68	H15-7.5n740/800	290	69	H15-7.5n790
H15-9.0	5.303,00	9,0	20,0	Min-Max	530-650	67-67	H15-9.0n810/870	460-580	68-68	H15-9.0n810/840	380-500	68-69	H15-9.0n810/850	300-410	69-70	H15-9.0n800/840
H15-11	5.798,00	11,0	24,0	Min-Max	660-820	67-68	H15-11n880/940	590-740	68-69	H15-11n850/920	510-660	69-70	H15-11n860/910	420-570	70-71	H15-11n850/910
H15-15	6.264,00	15,0	32,0	Min-Max	830-1160	68-71	H15-15n950/1030	750-1080	69-71	H15-15n930/1030	670-990	70-72	H15-15n930/1030	580-900	71-73	H15-15n920/1040
H15-18	6.521,00	18,5	33,0	Min-Max	1170-1420	72-74	H15-18n1040/1150	1090-1330	72-73	H15-18n1040/1160	1000-1240	72-73	H15-18n1040/1150	910-1150	73-74	H15-18n1050/1130
H15-22	6.911,00	22,0	39,2	Min-Max	1430-1470	74-74	H15-22n1160/1200	1340-1440	73-74	H15-22n1170/1200	1250-1400	73-74	H15-22n1150/1200	1160-1350	74-75	H15-22n1140/1200
H15-30	9.869,00	30,0	52,8	Min-Max	1480-1680	74-75	H15-30n1210/1310	1450-1950	74-77	H15-30n1210/1350	1410-1980	74-78	H15-30n1210/1400	1360-1880	75-77	H15-30n1210/1350
H15-37	10.483,00	37,0	65,0	Min-Max	\			\			1990-2240	78-79	H15-37n1410/1480	1890-1980	77-78	H15-37n1360/1400
H15-45	13.098,00	45,0	78,2	Min-Max	\			\			\			1990-2540	78-81	H15-45n1410/1590
				Qa	40.001 – 42.500 m³/h			42.501 – 45.000 m³/h			45.001 – 47.500 m³/h			47.501 – 50.000 m³/h		
M15-5.5	4.550,00	5,5	13,0	Min-Max	60-110	64-64	M15-5.5n230/260	60	65	M15-5.5n240	\			\		
M15-7.5	4.766,00	7,5	17,0	Min-Max	120-240	64-65	M15-7.5n270/330	70-190	65-66	M15-7.5n250/310	70-130	66-67	M15-7.5n250/300	80	68	M15-7.5n270
M15-9.0	4.956,00	9,0	20,0	Min-Max	250-330	65-66	M15-9.0n340/370	200-280	66-66	M15-9.0n320/370	140-220	67-67	M15-9.0n310/330	90-160	68-68	M15-9.0n280/300
M15-11	5.451,00	11,0	24,0	Min-Max	340-430	66-67	M15-11n380/420	290-380	67-67	M15-11n380/410	230-330	67-68	M15-11n340/380	170-270	68-68	M15-11n310/360
M15-15	5.917,00	15,0	32,0	Min-Max	440-660	67-71	M15-15n430/520	390-610	68-70	M15-15n420/500	340-560	68-71	M15-15n390/480	280-500	68-70	M15-15n370/460
M15-18	6.174,00	18,5	33,0	Min-Max	670-820	71-73	M15-18n530/580	620-770	71-72	M15-18n510/580	570-720	71-72	M15-18n490/540	510-660	71-72	M15-18n470/520
M15-22	6.564,00	22,0	39,2	Min-Max	830-980	73-75	M15-22n590/650	780-930	72-74	M15-22n590/610	730-870	72-74	M15-22n550/590	670-820	72-74	M15-22n530/580
M15-30	8.691,00	30,0	52,8	Min-Max	990-1170	75-78	M15-30n660/740	940-1240	75-78	M15-30n620/730	880-1190	74-78	M15-30n600/700	830-1140	74-77	M15-30n590/660
M15-37	9.305,00	37,0	65,0	Min-Max	\			1250-1310	79-79	M15-37n740/780	1200-1450	78-81	M15-37n710/780	1150-1390	77-80	M15-37n670/740
M15-45	11.262,00	45,0	78,2	Min-Max	\			\			1460	81	M15-45n790	1400-1540	80-81	M15-45n750/800
H15-9.0	5.303,00	9,0	20,0	Min-Max	320-330	71-71	H15-9.0n800/810	\			\			\		
H15-11	5.798,00	11,0	24,0	Min-Max	340-480	71-72	H15-11n820/920	360-400	72-72	H15-11n870/910	\			\		
H15-15	6.264,00	15,0	32,0	Min-Max	490-800	72-73	H15-15n930/1030	410-710	72-74	H15-15n920/1020	400-610	74-75	H15-15n940/1020	450-510	75-75	H15-15n990/1020
H15-18	6.521,00	18,5	33,0	Min-Max	810-1050	73-75	H15-18n1040/1100	720-950	74-75	H15-18n1030/1100	620-850	75-76	H15-18n1030/1100	520-740	75-77	H15-18n1030/1100
H15-22	6.911,00	22,0	39,2	Min-Max	1060-1											

M16 - H16(RQa=50000,65000)
(M16=900) : (RPM-P) = (650-30)4 ; (700-45)6 ; (700-75)7
(H16=900) : (RPM-P) = (1100-30)4 ; (1250-45)6 ; (1500-75)7

Mod.		Euro	kW	Amax	Pa			dB(A)	Motoriz.(Range)	Pa			dB(A)	Motoriz.(Range)	Pa			dB(A)	Motoriz.(Range)	Pa			dB(A)	Motoriz.(Range)
					Qa	27.501 – 30.000 m³/h			30.001 – 32.500 m³/h			32.501 – 35.000 m³/h			35.001 – 37.500 m³/h									
M16-2.2	4.515,00	2,2	6,0	Min-Max	90-120	52-53	M16-2.2n170/200	80-100	54-54	M16-2.2n170/190	\			\										
M16-3.0	4.586,00	3,0	7,5	Min-Max	130-170	54-56	M16-3.0n210/240	110-150	54-56	M16-3.0n200/220	80-130	55-56	M16-3.0n170/200	70-100	57-57	M16-3.0n170/190								
M16-4.0	4.906,00	4,0	9,5	Min-Max	180-230	56-58	M16-4.0n250/280	160-210	56-58	M16-4.0n230/260	140-190	56-59	M16-4.0n210/250	110-170	57-59	M16-4.0n200/240								
M16-5.5	5.342,00	5,5	13,0	Min-Max	240-310	59-62	M16-5.5n290/330	220-290	59-61	M16-5.5n270/310	200-270	59-61	M16-5.5n260/300	180-250	59-61	M16-5.5n250/290								
M16-7.5	5.558,00	7,5	17,0	Min-Max	320-370	63-65	M16-7.5n340/370	300-390	61-65	M16-7.5n320/370	280-370	61-64	M16-7.5n310/360	260-350	61-64	M16-7.5n300/340								
M16-9.0	5.748,00	9,0	20,0	Min-Max	\			400-440	66-67	M16-9.0n380/400	380-440	65-67	M16-9.0n370/390	360-410	64-66	M16-9.0n350/370								
M16-11	6.243,00	11,0	24,0	Min-Max	\			\			450-510	67-69	M16-11n400/430	420-500	66-68	M16-11n380/410								
M16-15	6.709,00	15,0	32,0	Min-Max	\			\			\			510-590	69-71	M16-15n420/460								
H16-3.0	4.876,00	3,0	7,5	Min-Max	150-210	57-58	H16-3.0n450/470	140-160	59-59	H16-3.0n460/480	\			\										
H16-4.0	5.196,00	4,0	9,5	Min-Max	220-300	59-60	H16-4.0n480/560	170-260	59-61	H16-4.0n490/530	160-220	61-62	H16-4.0n490/520	\										
H16-5.5	5.632,00	5,5	13,0	Min-Max	310-440	60-61	H16-5.5n570/630	270-390	61-62	H16-5.5n540/610	230-350	62-63	H16-5.5n530/640	180-300	63-64	H16-5.5n510/600								
H16-7.5	5.848,00	7,5	17,0	Min-Max	450-610	62-64	H16-7.5n640/710	400-560	62-64	H16-7.5n620/690	360-510	63-65	H16-7.5n600/690	310-460	64-65	H16-7.5n610/670								
H16-9.0	6.038,00	9,0	20,0	Min-Max	620-730	64-65	H16-9.0n720/750	570-680	64-65	H16-9.0n700/740	520-620	65-65	H16-9.0n700/730	470-570	66-66	H16-9.0n680/720								
H16-11	6.533,00	11,0	24,0	Min-Max	740-800	65-66	H16-11n760/820	690-820	65-67	H16-11n750/800	630-770	65-67	H16-11n740/800	580-710	66-67	H16-11n730/780								
H16-15	6.999,00	15,0	32,0	Min-Max	\			830-940	67-68	H16-15n810/850	780-1070	67-70	H16-15n810/900	720-1000	67-70	H16-15n790/890								
H16-18	7.256,00	18,5	33,0	Min-Max	\			\			1080-1090	70-70	H16-18n910/920	1010-1230	70-72	H16-18n900/970								
H16-22	7.646,00	22,0	39,2	Min-Max	\			\			\			1240-1260	72-72	H16-22n980/1000								
					Qa	37.501 – 40.000 m³/h			40.001 – 42.500 m³/h			42.501 – 45.000 m³/h			45.001 – 47.500 m³/h									
M16-3.0	4.586,00	3,0	7,5	Min-Max	60-70	58-58	M16-3.0n170/180	\			\			\										
M16-4.0	4.906,00	4,0	9,5	Min-Max	80-140	58-59	M16-4.0n190/220	50-110	60-60	M16-4.0n170/210	40-80	61-61	M16-4.0n170/200	\										
M16-5.5	5.342,00	5,5	13,0	Min-Max	150-230	59-61	M16-5.5n230/280	120-200	60-61	M16-5.5n220/260	90-170	61-62	M16-5.5n210/250	50-140	63-63	M16-5.5n180/230								
M16-7.5	5.558,00	7,5	17,0	Min-Max	240-330	62-64	M16-7.5n290/330	210-300	62-64	M16-7.5n270/310	180-270	62-64	M16-7.5n260/300	150-240	63-64	M16-7.5n240/280								
M16-9.0	5.748,00	9,0	20,0	Min-Max	340-390	64-65	M16-9.0n340/370	310-370	64-65	M16-9.0n320/350	280-340	64-65	M16-9.0n310/330	250-310	64-65	M16-9.0n290/320								
M16-11	6.243,00	11,0	24,0	Min-Max	400-480	66-68	M16-11n380/410	380-450	66-67	M16-11n360/390	350-430	65-67	M16-11n340/380	320-400	66-67	M16-11n330/360								
M16-15	6.709,00	15,0	32,0	Min-Max	490-660	68-72	M16-15n420/470	460-630	67-71	M16-15n400/460	440-600	67-70	M16-15n390/450	410-580	67-70	M16-15n370/430								
M16-18	6.966,00	18,5	33,0	Min-Max	670	73	M16-18n480	640-750	72-74	M16-18n470/510	610-730	71-74	M16-18n460/510	590-700	71-73	M16-18n440/480								
M16-22	7.356,00	22,0	39,2	Min-Max	\			\			740-850	74-76	M16-22n520/550	710-820	73-75	M16-22n490/530								
M16-30	8.336,00	30,0	52,8	Min-Max	\			\			\			830-940	75-77	M16-30n540/570								
H16-5.5	5.632,00	5,5	13,0	Min-Max	210-250	65-65	H16-5.5n560/590	\			\			\										
H16-7.5	5.848,00	7,5	17,0	Min-Max	260-400	65-66	H16-7.5n600/640	240-350	66-67	H16-7.5n610/660	260-290	67-68	H16-7.5n630/660	\										
H16-9.0	6.038,00	9,0	20,0	Min-Max	410-510	66-67	H16-9.0n650/720	360-460	67-68	H16-9.0n670/710	300-400	68-68	H16-9.0n670/730	290-340	69-69	H16-9.0n670/700								
H16-11	6.533,00	11,0	24,0	Min-Max	520-650	67-68	H16-11n730/770	470-590	68-68	H16-11n720/760	410-530	69-69	H16-11n740/760	350-470	69-70	H16-11n710/750								
H16-15	6.999,00	15,0	32,0	Min-Max	660-940	68-70	H16-15n780/900	600-880	69-70	H16-15n770/870	540-810	69-70	H16-15n770/870	480-750	70-71	H16-15n760/850								
H16-18	7.256,00	18,5	33,0	Min-Max	950-1160	70-72	H16-18n910/960	890-1100	70-72	H16-18n880/950	820-1030	70-72	H16-18n880/930	760-960	71-72	H16-18n860/930								
H16-22	7.646,00	22,0	39,2	Min-Max	1170-1370	72-74	H16-22n970/1030	1110-1300	72-73	H16-22n960/1010	1040-1230	72-73	H16-22n940/1000	970-1160	72-73	H16-22n940/990								
H16-30	8.626,00	30,0	52,8	Min-Max	1380-1430	74-74	H16-30n1040/1070	1310-1570	73-75	H16-30n1020/1100	1240-1540	73-75	H16-30n1010/1100	1170-1510	73-76	H16-30n1000/1100								
H16-37	11.292,00	37,0	65,0	Min-Max	\			\			1550-1810	75-77	H16-37n1110/1180	1520-1940	76-78	H16-37n1110/1220								
H16-45	12.567,00	45,0	78,2	Min-Max	\			\			\			1950-2020	78-78	H16-45n1230/1250								
					Qa	47.501 – 50.000 m³/h			50.001 – 55.000 m³/h			55.001 – 60.000 m³/h			60.001 – 65.000 m³/h									
M16-5.5	5.342,00	5,5	13,0	Min-Max	50-100	64-64	M16-5.5n190/230	\			\			\										
M16-7.5	5.558,00	7,5	17,0	Min-Max	110-210	64-65	M16-7.5n240/270	60-130	66-66	M16-7.5n200/250	\			\										
M16-9.0	5.748,00	9,0	20,0	Min-Max	220-280	65-66	M16-9.0n280/300	140-210	66-67	M16-9.0n260/290	70-120	68-68	M16-9.0n220/250	\										
M16-11	6.243,00	11,0	24,0	Min-Max	290-370	66-67	M16-11n310/360	220-300	67-68	M16-11n300/320	130-220	68-69	M16-11n260/290	80-110	70-70	M16-11n230/260								
M16-15	6.709,00	15,0	32,0	Min-Max	380-550	67-70	M16-15n370/410	310-490	68-70	M16-15n330/410	230-410	69-70	M16-15n300/370	120-330	70-71	M16-15n270/340								
M16-18	6.966,00	18,5	33,0	Min-Max	560-670	70-72	M16-18n420/470	500-610	70-72	M16-18n420/450	420-550	70-72	M16-18n380/420	340-470	71-72	M16-18n350/410								
M16-22	7.356,00	22,0	39,2	Min-Max	680-790	73-74	M16-22n480/520	620-730	72-74	M16-22n460/500	560-670	72-73	M16-22n430/470	480-590	72-73	M16-22n420/460								
M16-30	8.336,00	30,0	52,8	Min-Max	800-1040	75-79	M16-30n530/600	740-980	74-77	M16-30n510/600	680-920	74-76	M16-30n480/550	600-840	74-76	M16-30n470/520								
M16-37	9.905,00	37,0	65,0	Min-Max	\			990-1190	77-80	M16-37n610/640	930-1120	77-79	M16-37n560/600	850-1040	76-78	M16-37n530/590								
M16-45	11.180,00	45,0	78,2	Min-Max	\			1200-1260	80-81	M16-45n650/680	1130-1330	79-81	M16-45n610/660	1050-1260	78-80	M16-45n600/650								
M16-55	13.743,00	55,0	96,0	Min-Max	\			\			1340-1420	82-82	M16-55n670/700	1270-1430	80-82	M16-55n660/700								
H16-11	6.533,00	11,0	24,0	Min-Max	320-410	70-71	H16-11n710/730	\			\			\										
H16-15	6.999,00	15,0	32,0	Min-Max																				

M17 - H17

(RQa=65000.110000)
(M17=1000) : (RPM-P) = (600-37)4 : (600-45)6 : (650-75)7
(H17=1000) : (RPM-P) = (1000-37)4 : (1000-45)6 : (1300-75)7

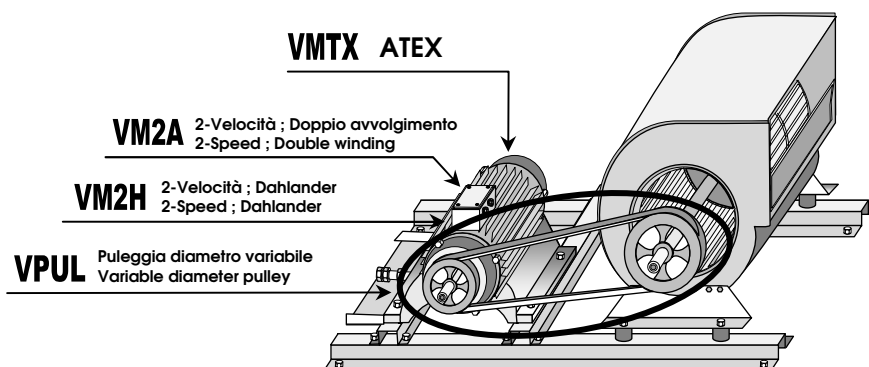
Mod.	Euro	kW	Amax		Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)	Pa	dB(A)	Motoriz.(Range)
				Qa	45.001 – 47.500 m³/h			47.501 – 50.000 m³/h			50.001 – 55.000 m³/h			55.001 – 60.000 m³/h		
M17-4.0	5.342,00	4,0	9,5	Min-Max	90-110	58-58	M17-4.0n160/180	80-90	59-59	M17-4.0n160/170	\			\		
M17-5.5	5.778,00	5,5	13,0	Min-Max	120-190	59-60	M17-5.5n190/220	100-170	59-61	M17-5.5n180/210	70-120	62-62	M17-5.5n160/190	50-70	64-64	M17-5.5n160/170
M17-7.5	5.994,00	7,5	17,0	Min-Max	200-280	61-63	M17-7.5n230/270	180-260	61-63	M17-7.5n220/260	130-210	62-63	M17-7.5n200/230	80-160	64-64	M17-7.5n180/210
M17-9.0	6.184,00	9,0	20,0	Min-Max	290-340	63-64	M17-9.0n280/300	270-320	63-64	M17-9.0n270/290	220-280	63-65	M17-9.0n240/270	170-220	64-65	M17-9.0n220/240
M17-11	6.679,00	11,0	24,0	Min-Max	350-410	65-66	M17-11n310/330	330-390	65-66	M17-11n300/320	290-350	65-66	M17-11n280/300	230-300	65-66	M17-11n250/270
M17-15	7.145,00	15,0	32,0	Min-Max	420-570	67-71	M17-15n340/400	400-550	66-70	M17-15n330/390	360-510	66-69	M17-15n310/360	310-470	66-69	M17-15n280/350
M17-18	7.402,00	18,5	33,0	Min-Max	580-640	71-73	M17-18n410/430	560-660	71-73	M17-18n400/420	520-620	70-72	M17-18n370/410	480-580	69-71	M17-18n360/390
M17-22	7.792,00	22,0	39,2	Min-Max	\			670-710	73-74	M17-22n430/460	630-730	72-74	M17-22n420/450	590-690	71-73	M17-22n400/430
M17-30	8.772,00	30,0	39,2	Min-Max	\			\			740-860	75-77	M17-30n460/500	700-900	73-77	M17-30n440/500
M17-37	9.386,00	37,0	39,2	Min-Max	\			\			\			910-1020	78-79	M17-37n510/540
				Qa	60.001 – 65.000 m³/h			65.001 – 70.000 m³/h			70.001 – 75.000 m³/h			75.001 – 80.000 m³/h		
M17-7.5	5.994,00	7,5	17,0	Min-Max	60-100	66-66	M17-7.5n170/200	\			\			\		
M17-9.0	6.184,00	9,0	20,0	Min-Max	110-170	66-66	M17-9.0n210/230	70-100	67-67	M17-9.0n190/210	\			\		
M17-11	6.679,00	11,0	24,0	Min-Max	180-250	66-67	M17-11n240/260	110-180	67-68	M17-11n220/240	70-120	69-69	M17-11n190/220	\		
M17-15	7.145,00	15,0	32,0	Min-Max	260-410	67-69	M17-15n270/320	190-350	68-69	M17-15n250/300	130-290	69-70	M17-15n230/280	80-210	71-71	M17-15n200/260
M17-18	7.402,00	18,5	33,0	Min-Max	420-530	69-71	M17-18n330/360	360-470	69-71	M17-18n310/350	300-410	70-71	M17-18n290/330	220-340	71-72	M17-18n270/310
M17-22	7.792,00	22,0	39,2	Min-Max	540-640	71-73	M17-22n370/420	480-580	71-72	M17-22n360/380	420-520	71-72	M17-22n340/360	350-450	72-73	M17-22n320/340
M17-30	8.772,00	30,0	39,2	Min-Max	650-860	73-76	M17-30n430/470	590-810	72-75	M17-30n390/460	530-750	73-75	M17-30n370/470	460-690	73-75	M17-30n350/420
M17-37	9.386,00	37,0	39,2	Min-Max	870-1030	76-79	M17-37n480/530	820-990	76-78	M17-37n470/520	760-930	75-77	M17-37n480/500	700-870	75-77	M17-37n430/470
M17-45	12.954,00	45,0	78,2	Min-Max	1040-1200	79-82	M17-45n540/590	1000-1170	78-81	M17-45n530/560	940-1120	78-80	M17-45n510/550	880-1060	77-79	M17-45n480/520
M17-55	14.289,00	55,0	90,0	Min-Max	\			1180-1390	81-83	M17-55n570/630	1130-1340	80-82	M17-55n560/590	1070-1280	79-81	M17-55n530/580
M17-75	16.291,00	75,0	134,0	Min-Max	\			\			1350-1510	83-84	M17-75n600/650	1290-1530	82-84	M17-75n590/650
				Qa	80.001 – 85.000 m³/h			85.001 – 90.000 m³/h			90.001 – 95.000 m³/h			95.001 – 100.000 m³/h		
M17-15	7.145,00	15,0	32,0	Min-Max	90-140	72-72	M17-15n220/250	\			\			\		
M17-18	7.402,00	18,5	33,0	Min-Max	150-260	72-73	M17-18n260/290	100-180	74-74	M17-18n230/270	\			\		
M17-22	7.792,00	22,0	39,2	Min-Max	270-380	73-73	M17-22n300/320	190-290	74-74	M17-22n280/300	120-210	75-75	M17-22n250/280	\		
M17-30	8.772,00	30,0	52,8	Min-Max	390-610	73-75	M17-30n330/420	300-540	74-75	M17-30n310/380	220-450	75-76	M17-30n290/350	130-360	76-77	M17-30n260/330
M17-37	9.386,00	37,0	39,2	Min-Max	620-800	75-77	M17-37n430/470	550-730	76-77	M17-37n390/430	460-640	76-77	M17-37n360/410	370-550	77-77	M17-37n340/390
M17-45	12.954,00	45,0	78,2	Min-Max	810-1000	77-79	M17-45n480/520	740-930	77-79	M17-45n440/480	650-850	77-79	M17-45n420/470	560-760	77-79	M17-45n400/450
M17-55	14.289,00	55,0	90,0	Min-Max	1010-1220	79-81	M17-55n530/570	940-1150	79-81	M17-55n490/520	860-1080	79-80	M17-55n480/530	770-1000	79-81	M17-55n460/510
M17-75	16.291,00	75,0	134,0	Min-Max	1230-1550	81-84	M17-75n580/650	1160-1560	81-84	M17-75n530/640	1090-1490	80-84	M17-75n540/630	1010-1420	81-83	M17-75n520/610
				Qa	100.001 – 105.000 m³/h			105.001 – 110.000 m³/h			110.001 – 115.000 m³/h			115.001 – 120.000 m³/h		
M17-30	8.772,00	30,0	52,8	Min-Max	140-260	77-77	M17-30n270/310	150-170	78-78	M17-30n290/300	\			\		
M17-37	9.386,00	37,0	39,2	Min-Max	270-460	77-78	M17-37n320/370	180-360	78-79	M17-37n310/350	170-260	79-79	M17-37n300/340	\		
M17-45	12.954,00	45,0	78,2	Min-Max	470-670	78-79	M17-45n380/420	370-570	79-79	M17-45n360/400	270-460	79-80	M17-45n350/380	180-350	80-81	M17-45n320/360
M17-55	14.289,00	55,0	90,0	Min-Max	680-910	79-80	M17-55n430/490	580-810	79-81	M17-55n410/460	470-710	80-81	M17-55n390/450	360-600	81-81	M17-55n370/420
M17-75	16.291,00	75,0	134,0	Min-Max	920-1330	81-83	M17-75n500/590	820-1240	81-83	M17-75n470/570	720-1140	81-83	M17-75n460/540	610-1040	81-83	M17-75n430/530
				Qa	120.001 – 125.000 m³/h			125.001 – 130.000 m³/h			130.001 – 135.000 m³/h			135.001 – 140.000 m³/h		
M17-55	16.041,00	55,0	90,0	Min-Max	820-900	84-84	H17-55n1070/1100	\			\			\		
M17-75	18.043,00	75,0	134,0	Min-Max	910-1530	84-86	H17-75n1110/1220	900-1350	86-86	H17-75n1110/1220	980-1160	87-87	H17-75n1170/1200	\		

STANDARD + VARIANTE = Nuova soluzione

- Sono disponibili alcune VARIANTI (in alternativa alla soluzione standard).
- VARIANTE = Modifiche da apportare sull'unità base = Componenti e/o soluzioni da installare in ALTERNATIVA ai componenti/soluzioni standard.
- Le VARIANTI consentono di configurare l'unità con la massima flessibilità ed in piena libertà, richiedendo soluzioni alternative allo standard. Questo consente di selezionare sempre una soluzione che soddisfi completamente le specifiche tecniche richieste.
- Prezzo della variante = prezzo addizionale da sommare allo standard.

STANDARD + VARIANTS = New solution

- Some VARIANTS are available (as alternative to the standard solution).
- VARIANTS = Modifications to be made the base unit = Components and/or solutions to be installed as ALTERNATIVE to the components / standard solutions.
- The VARIANTS enable to configure the unit with maximum flexibility and total freedom, with alternatives to the standard solutions. This enable to select a solution which totally satisfy the technical requirements.
- Price of the variant = additional price to be added to the standard.



VARIANTE: Puleggia a diametro variabile - In alternativa alla puleggia standard a diametro fisso VARIANT: Variable diameter pulley - As alternative to standard fixed diameter pulley										
VPUL	Rif. motore – Motor ref.	0,55 kW	0,75 kW	1,5 kW	2,2 kW	3 kW	4 kW	5,5 kW	7,5 kW	9 kW
	Mod.	VPUL-0,55	VPUL-0,75	VPUL-1,5	VPUL-2,2	VPUL-3	VPUL-4	VPUL-5,5	VPUL-7,5	VPUL-9
	Euro	+ 52,00	+ 63,00	+ 73,00	+ 84,00	+ 94,00	+ 104,00	+ 115,00	+ 125,00	+ 136,00
	Rif. motore – Motor ref.	11 kW	15 kW	18 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
	Mod.	VPUL-11	VPUL-15	VPUL-18	VPUL-22	VPUL-30	VPUL-37	VPUL-45	VPUL-55	VPUL-75
Euro	+ 146,00	+ 156,00	+ 188,00	(1)	(1)	(1)	(1)	(1)	(1)	
VARIANTE: Motore 400Vac trifase antideflagrante ATEX - In alternativa al motore standard IP55 VARIANT: Motor 400Vac three phase explosion proof ATEX – As alternative to standard IP55 motor.										
VMTX	Rif. motore – Motor ref.	0,55 kW	0,75 kW	1,5 kW	2,2 kW	3 kW	4 kW	5,5 kW	7,5 kW	9 kW
	Mod.	VMTX-0,55	VMTX-0,75	VMTX-1,5	VMTX-2,2	VMTX-3	VMTX-4	VMTX-5,5	VMTX-7,5	VMTX-9
	Euro	+ 56,00	+ 62,00	+ 81,00	+ 103,00	+ 116,00	+ 166,00	+ 253,00	+ 288,00	+ 317,00
	Rif. motore – Motor ref.	11 kW	15 kW	18 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
	Mod.	VMTX-11	VMTX-15	VMTX-18	VMTX-22	VMTX-30	VMTX-37	VMTX-45	VMTX-55	VMTX-75
Euro	+ 402,00	+ 480,00	+ 506,00	+ 554,00	+ 720,00	+ 796,00	+ 1.011,00	+ 1.218,00	+ 1.548,00	
VARIANTE: Motore 400Vac trifase a doppia velocità (doppia polarità 4/6P del tipo a DOPPIO AVVOLGIMENTO) - In alternativa al motore standard monovelocità. VARIANT: Motor 400Vac three phase double speed (double polarity 4/6P DOUBLE WINDING type) – As alternative to standard single speed motor.										
VM2A	Rif. motore – Motor ref.	0,55 kW	0,75 kW	1,5 kW	2,2 kW	3 kW	4 kW	5,5 kW	7,5 kW	9 kW
	Potenza mot. – Motor power kW	0,55/0,18		1,5/0,55	2,2/0,75	3/1	4/1,5	5,5/1,85		
	Mod.	VM2A-0,55	VM2A-0,75	VM2A-1,5	VM2A-2,2	VM2A-3	VM2A-4	VM2A-5,5	VM2A-7,5	VM2A-9
	Euro	+ 342,00	(2)	+ 350,00	+ 513,00	+ 826,00	+ 1.020,00	+ 1.045,00	(2)	(2)
	Rif. motore – Motor ref.	11 kW	15 kW	18 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
Potenza mot. – Motor power kW										
Mod.	VM2A-11	VM2A-15	VM2A-18	VM2A-22	VM2A-30	VM2A-37	VM2A-45	VM2A-55	VM2A-75	
Euro	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
VARIANTE: Motore 400Vac trifase a doppia velocità (unico avvolgimento tipo DAHLANDER con coppia quadratica) - In alternativa al motore standard monovelocità. VARIANT: Motor 400Vac three phase double speed (single winding DAHLANDER type with quadratic torque) – As alternative to standard single speed motor.										
VM2H	Rif. motore – Motor ref.	0,55 kW	0,75 kW	1,5 kW	2,2 kW	3 kW	4 kW	5,5 kW	7,5 kW	9 kW
	Potenza mot. – Motor power kW		1,1	1,8	2,2		4	5,5		
	Mod.	VM2H-0,55	VM2H-1,1	VM2H-1,8	VM2H-2,2	VM2H-3	VM2H-4	VM2H-5,5	\	\
	Euro	(1)	+ 200,00	+ 260,00	+ 310,00	(1)	+ 520,00	+ 600,00	(2)	(2)
	Rif. motore – Motor ref.	11 kW	15 kW	18 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
Potenza mot. – Motor power kW										
Mod.	VM2H-11	VM2H-15	VM2H-18	VM2H-22	VM2H-30	VM2H-37	VM2H-45	VM2H-55	VM2H-75	
Euro	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	

(1) Non disponibile - Not available

(2) Prezzo su richiesta - Price on request

L... (Low)Motorizzazioni Bassa prevalenza (Ventilatore pale avanti, Bocca rettangolare)
Low static pressure Motorization (Fans with forward blades, Rectangular outlet)

kW Motore Motor kW	Taglia Motorizzazione – Motorization size										
	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
0,55	26	28	29	30	31	34	36	39	42	48	54
0,75	27	29	30	31	32	35	37	40	43	49	55
1,5	33	35	36	37	38	41	43	46	49	55	61
2,2	42	44	45	46	47	50	52	55	58	64	70
3	48	49	51	51	52	56	58	61	64	70	76
4	\	\	\	\	61	64	66	69	72	78	84
5,5	\	\	\	\	\	79	81	84	87	93	99
7,5	\	\	\	\	\	\	\	\	\	105	111

Peso netto in (kg) – Net weight in (kg)

M... (Med.)Motorizzazioni Media prevalenza (Ventilatore pale avanti, Bocca quadrata)
Medium static pressure Motorization (Fans with forward blades, Square outlet)

kW Motore Motor kW	Taglia Motorizzazione – Motorization size															
	M1	M2	M3	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17
0,55	29	30	32	34	39	43	50	59	71	\	\	\	\	\	\	\
0,75	30	31	33	35	40	44	51	60	72	87	\	\	\	\	\	\
1,5	36	37	39	41	46	50	57	66	78	93	114	134	\	\	\	\
2,2	45	46	48	50	55	59	66	75	87	102	123	143	172	286	343	\
3	51	52	54	56	61	65	72	81	93	108	129	149	178	292	349	\
4	\	60	62	64	69	73	80	89	101	116	137	157	186	300	357	384
5,5	\	\	\	84	84	88	95	104	116	131	152	172	201	315	372	399
7,5	\	\	\	96	102	107	107	116	128	143	164	184	213	327	384	411
9	\	\	\	\	117	121	134	145	143	158	179	199	228	342	399	426
11	\	\	\	\	186	191	203	214	212	227	248	268	297	411	468	495
15	\	\	\	\	\	215	226	237	251	270	271	291	320	434	491	518
18,5	\	\	\	\	\	\	257	268	282	301	349	385	350	464	521	548
22	\	\	\	\	\	\	\	\	302	321	377	410	436	484	541	568
30	\	\	\	\	\	\	\	\	\	383	439	472	505	558	603	630
37	\	\	\	\	\	\	\	\	\	\	510	540	568	621	676	693
45	\	\	\	\	\	\	\	\	\	\	550	580	625	678	716	760
55	\	\	\	\	\	\	\	\	\	\	\	\	705	758	800	840
75	\	\	\	\	\	\	\	\	\	\	\	\	\	\	951	991

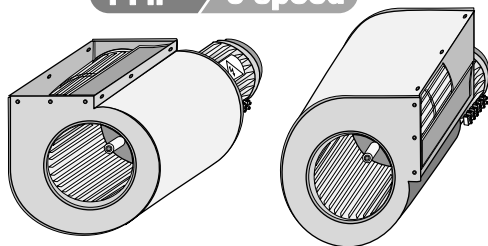
Peso netto in (kg) – Net weight in (kg)

H... (High)Motorizzazioni Alta prevalenza (Ventilatore pale rovesce, Bocca quadrata)
High static pressure Motorization (Fans with reverse blades, Square outlet)

kW Motore Motor kW	Taglia Motorizzazione – Motorization size															
	H1	H2	H3	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H16	H17
0,55	28	30	31	37	42	46	55	63	78	\	\	\	\	\	\	\
0,75	29	31	32	38	43	47	56	64	79	\	\	\	\	\	\	\
1,5	35	37	38	44	49	53	62	70	85	98	\	\	\	\	\	\
2,2	44	46	47	53	58	62	71	79	94	107	129	156	\	\	\	\
3	\	51	53	59	64	68	77	85	100	113	135	162	208	313	386	\
4	\	\	61	67	72	76	85	93	108	121	143	170	216	321	394	\
5,5	\	\	\	87	87	91	100	108	123	136	158	185	231	336	409	481
7,5	\	\	\	\	106	110	112	120	135	148	170	197	243	348	421	493
9	\	\	\	\	\	127	139	150	150	163	185	212	258	363	436	508
11	\	\	\	\	\	196	208	219	219	232	254	281	327	432	505	577
15	\	\	\	\	\	\	232	242	258	275	277	304	350	455	528	600
18,5	\	\	\	\	\	\	\	273	290	307	356	388	435	485	558	630
22	\	\	\	\	\	\	\	\	310	327	383	415	455	505	578	650
30	\	\	\	\	\	\	\	\	372	407	445	477	537	594	640	712
37	\	\	\	\	\	\	\	\	\	\	513	545	600	657	715	775
45	\	\	\	\	\	\	\	\	\	\	\	585	650	705	755	850
55	\	\	\	\	\	\	\	\	\	\	\	\	730	785	855	930
75	\	\	\	\	\	\	\	\	\	\	\	\	\	\	1.006	1.081

Peso netto in (kg) – Net weight in (kg)

**230 Vac / 3 vel.
1 Ph / 3 speed**



E' disponibile la gamma di motorizzazioni "D..." con Motore 230Vac monofase direttamente accoppiato al Ventilatore centrifugo = sezione ventilante completa escluso il solo Box (Cassa di copertura) che la contiene.

Le motorizzazioni "D..." possono essere installate su una ampia gamma di sezioni ventilanti (vedi lista compatibilità delle diverse unità; anche in alternativa alle motorizzazioni trifase "L...-M...-H..." garantendo massima flessibilità e libertà di configurazione delle unità CVT, UTB, GG, ...

It is available the range of motorisations "D..." with Motor 230Vac single phase directly coupled to the Centrifugal fan = complete fan section, with exclusion of the Box (Casing) only.

The motorisations "D..." can be installed on a wide range of ventilating sections (see compatibility list of the different units; even as alternative to the three phase "L...-M...-H..." motorisations) providing maximum flexibility and freedom of configuration of the units CVT, UTB, GG, ...

MOTORIZZAZIONE 230Vac monofase 3-Velocità

Ogni singola motorizzazione "D..." è costituita da un singolo ventilatore direttamente accoppiato al proprio motore:

Ventilatore centrifugo a doppia aspirazione con ventola in alluminio (a pale curve avanti). Ventilatore equilibrato staticamente e dinamicamente. Ventole di grande diametro (= elevate portate d'aria ed elevate pressioni statiche) con basso numero di giri (= bassa rumorosità).

Motore elettrico asincrono monofase a gabbia di scoiattolo, a 3 velocità, provvisto di protettore termico (Klixon), condensatore di marcia sempre inserito, IP42, Classe B, cavi elettrici protetti con doppio isolamento. Montaggio su supporti elastici ed ammortizzatori. Costruito secondo le norme internazionali, 230Vac-1Ph-50Hz. Disponibili 2 diverse motorizzazioni:

- 6 poli (max = 900 giri/min): minore prevalenza, ma estrema silenziosità
- 4 poli (max = 1400 giri/min): maggiore prevalenza, ma con maggiore rumorosità

MOTORIZATION 230Vac monophase 3-Speed

Each single motorisation "D..." is made of a single fan directly coupled with its own electric motor:

Centrifugal fan with double air inlet aluminium blades (forward curved fins). Fans statically and dynamically balanced. Extensive diameter fans (= high air flow and high static pressure) with low revolutions (= low noise level).

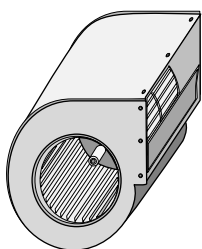
Asynchronous monophase squirrel cage electric motor, 3 speeds, provided with heat protection (Klixon), running capacitor permanently switched on, IP42, Class B, electric cables protected by double insulation. Mounted on elastic and anti-vibration supports. Manufactured according with the international standards, 230Vac-1Ph-50Hz. Available 2 different motor type:

- 6 poles (max 900 RPM): lower static pressure, but extremely silent
- 4 poles (max 1400 RPM): higher static pressure, but more noisy

Taglia - Size			D1	D2	D3	D5	D6	D7	D1	D2	D3	D5	
Numero Poli – Poles number			6P (RPM= 900 max)							4P (RPM= 1.400 max)			
	Mod. Cod.		D1.63 VEN020007	D2.63 VEN020057	D3.63 VEN020107	D5.63 VEN020208	D6.63 VEN020221	D7.63 VEN020251	D1.43 VEN020003	D2.43 VEN020059	D3.43 VEN020103	D5.43 VEN020205	
	Euro		300,00	330,00	360,00	500,00	650,00	740,00	360,00	400,00	440,00	590,00	
Riferimento generale/padre – Father/general Reference Ref.			0707	0907	0909	1010	1209	1212	0707	0907	0909	1010	
Portata aria nominale Nominal air flow			MAX(1) m³/h	1.590	2.500	2.910	3.350	4.800	5.800	1.560	2.650	2.940	3.610
Livelli sonori - Sound levels Min-Med-Max(2) dB(A)			38-45-47	46-50-52	44-48-50	40-45-49	52-55-57	49-52-54	42-47-51	40-46-56	38-45-53	44-48-53	
Potenza Motore Motor power			Win 248 W Wout 147 W	586 W 245 W	564 W 245 W	609 W 280 W	1.488 W 736 W	1.533 736 W	451 W 147 W	992 W 420 W	857 W 420 W	1.420 W 550 W	
Assorb. elettr. nominale - Nominal current input MAX(3) A			1,2 A	2,6 A	2,5 A	2,7 A	6,6 A	6,8 A	2,0 A	4,4 A	3,8 A	6,3 A	
Alimentazione elettrica – Power supply			Motore/Motor 230Vac-1Ph-50Hz							Motore/Motor 230Vac-1Ph-50Hz			
<div>LFI</div> <div>Limite funzionamento inferiore Lower working limit</div>	ESP (Pa)	Max	0 Pa	0 Pa	0 Pa	138 Pa	120 Pa	160 Pa	0 Pa	0 Pa	0 Pa	140 Pa	
	Qa (m³/h)		1.590 m³/h	2.500 m³/h	2.910 m³/h	3.350 m³/h	4.800 m³/h	5.800 m³/h	1.560 m³/h	2.650 m³/h	2.940 m³/h	3.610 m³/h	
	ESP (Pa)	Med	0 Pa	0 Pa	0 Pa	77 Pa	87 Pa	110 Pa	0 Pa	0 Pa	0 Pa	91 Pa	
	Qa (m³/h)		1.210 m³/h	2.020 m³/h	2.200 m³/h	2.510 m³/h	4.091 m³/h	4.810 m³/h	1.250 m³/h	1.650 m³/h	1.700 m³/h	2.900 m³/h	
<div></div> <div>(Qa=m³/h) (1)</div> <div>Curve Qa-ESP “Portata Aria - Pressione statica”</div> <div>(alle 3 velocità Max-Med-Min)</div> <div>Qa-ESP Diagrams “Air flow - Static pressure”</div> <div>(at 3 speed Max-Med-Min)</div> <div>ESP = Pressione Static Static pressure</div> <div>Qa= Portata aria Air flow</div>	ESP (Pa)	Min	0 Pa	0 Pa	0 Pa	43 Pa	57 Pa	76 Pa	0 Pa	0 Pa	0 Pa	55 Pa	
	Qa (m³/h)		820 m³/h	1.600 m³/h	1.690 m³/h	1.870 m³/h	3.295 m³/h	4.000 m³/h	980 m³/h	1.200 m³/h	1.200 m³/h	2.280 m³/h	
	25 Pa	Max Med Min	1.460 1.180 820	2.492 2.013 1.595	2.885 2.183 1.673	/ / /	/ / /	/ / /	1.549 1.233 959	2.644 1.643 1.186	2.926 1.693 1.194	/ / /	
	50 Pa	Max Med Min	1.320 1.110 810	2.450 2.006 1.585	2.830 2.170 1.655	/ / 1.860	/ / /	/ / /	1.530 1.215 935	2.638 1.637 1.173	2.915 1.686 1.188	/ / /	
75 Pa	Max Med Min	1.164 992 729	2.379 1.995 1.571	2.750 2.145 1.634	/ / 1.848	/ / 3.254	/ / /	1.503 1.195 900	2.634 1.628 1.159	2.903 1.677 1.172	/ / 2.273		
	100 Pa	Max Med Min	898 700 /	2.270 1.950 1.550	2.620 2.100 1.600	/ 2.463 1.840	/ 4.041 3.239	/ / 3.966	1.460 1.170 860	2.630 1.618 1.145	2.885 1.668 1.150	/ 2.885 2.260	
	150 Pa	Max Med Min	/ / /	1.920 1.650 1.420	2.180 1.800 /	3.273 2.380 1.770	4.756 3.945 3.204	/ 4.740 3.918	1.340 1.033 738	2.610 1.591 1.084	2.833 1.628 1.025	3.605 2.864 2.235	
	200 Pa	Max Med Min	/ / /	1.000 / /	/ / /	2.750 1.935 /	4.636 3.809 3.172	5.548 4.550 3.800	1.077 800 /	2.554 1.559 969	2.740 1.490 /	3.600 2.840 2.200	
250 Pa	Max Med Min	/ / /	/ / /	/ / /	/ / /	4.337 3.591 3.047	4.966 4.145 3.400	/ / /	2.461 1.521 /	2.614 1.275 /	3.567 2.795 2.062		
	300 Pa	Max Med Min	/ / /	/ / /	/ / /	/ / /	3.750 3.068 2.456	4.035 3.300 2.550	/ / /	2.296 1.348 /	2.400 / /	3.500 2.680 /	
	350 Pa	Max Med Min	/ / /	/ / /	/ / /	/ / /	2.250 / /	/ / /	/ / /	1.897 / /	1.771 / /	3.400 2.450 /	
	LFS	ESP (Pa)	Max	110 Pa	202 Pa	182 Pa	236 Pa	350 Pa	346 Pa	228 Pa	386 Pa	364 Pa	454 Pa
Qa (m³/h)			650 m³/h	900 m³/h	1.500 m³/h	1.650 m³/h	2.250 m³/h	2.700 m³/h	800 m³/h	1.200 m³/h	1.500 m³/h	2.400 m³/h	
ESP (Pa)		Med	104 Pa	196 Pa	168 Pa	216 Pa	330 Pa	328 Pa	206 Pa	330 Pa	255 Pa	380 Pa	
Qa (m³/h)			632 m³/h	887 m³/h	1.440 m³/h	1.579 m³/h	2.184 m³/h	2.629 m³/h	760 m³/h	1.110 m³/h	1.270 m³/h	2.196 m³/h	
Upper working limit	ESP (Pa)	Min	92 Pa	184 Pa	142 Pa	184 Pa	312 Pa	302 Pa	166 Pa	220 Pa	160 Pa	290 Pa	
	Qa (m³/h)		588 m³/h	859 m³/h	1.325 m³/h	1.457 m³/h	2.124 m³/h	2.522 m³/h	682 m³/h	902 m³/h	1.000 m³/h	1.910 m³/h	

Dati tecnici riferiti alle seguenti condizioni: Unità Standard - Pressione atmosferica 1013 mbar - Alimentazione elettrica 230Vac/1Ph/50Hz.
(1) Portata aria e Pressione statica: Valori rilevati con cassone rif. norma AMCA 210-74 fig.12 e condotto + diaframma rif. norma CEN-UNI 10023.
(2) Livelli sonori: Pressione sonora in campo libero, distanza 3 m. Valori calcolati da potenza sonora rilevata in camera riverberante rif. norme ISO 3741 - ISO 3742.
(3) Dati elettrici: Valori rilevati con Wattmetro Jokagawa WT110 (Valore max, nominale, di tarso motore = valore di riferimento per progettazione impianto elettrico).

Technical data refer to the following conditions: Standard unit - Atmospheric pressure 1013 mbar - Power supply 230Vac/1Ph/50Hz.
(1) Air flow and Static pressure: Measurements made with casing ref. AMCA 210-74 fig.12 standards and plenum + diaphragm ref. CEN-UNI 10023 standards.
(2) Sound levels: Free field sound pressure, 3 m distance. Data calculated based on sound power measured in reverberation room ref. ISO 3741 - ISO 3742 standards.
(3) Electrical data: Data measured with Wattmeter Jokagawa WT110 (Max value, nominal, of motor label = reference value for the electrical system design).


230 Vac
1 Ph **Modulante**
Modulating

Le motorizzazioni "D...MB" possono essere installate su una ampia gamma di sezioni ventilanti (vedi lista compatibilità delle diverse unità; anche in alternativa alle motorizzazioni trifase "L...-M...-H...") garantendo massima flessibilità e libertà di configurazione delle unità CVT, UTB, GG, ...

The motorisations "D...MB" can be installed on a wide range of ventilating sections (see compatibility list of the different units; even as alternative to the three phase "L...-M...-H..." motorisations) providing maximum flexibility and freedom of configuration of the units CVT, UTB, GG, ...

MOTORIZZAZIONE 230Vac monofase BRUSHLESS

Ogni singola motorizzazione "D...MB" è costituita da un singolo ventilatore direttamente accoppiato al proprio motore:

Ventilatore centrifugo a doppia aspirazione con ventola in alluminio (a pale curve avanti). Ventilatore equilibrato staticamente e dinamicamente. Ventole di grande diametro (= elevate portate d'aria ed elevate pressioni statiche) con basso numero di giri (= bassa rumorosità).

Motore Brushless: Motore Elettronico di ultima generazione, a magneti permanenti, senza spazzole, a corrente continua. IP42, Classe B, cavi elettrici protetti con doppio isolamento. Montaggio su supporti elastici ed ammortizzatori. Costruito secondo le norme internazionali, 230Vac-1Ph-50Hz.

Maggiore benessere & Minore consumo per le unità trattamento aria equipaggiate di gruppo ventilatore/motore con tecnologia Brushless+Inverter.

La variazione continua 0-100% della portata aria e conseguentemente della potenza termica e frigorifera, adeguandole, istante per istante, alle effettive esigenze del locale da climatizzare, si traduce in:

- Comfort totale: ridotte oscillazioni della temperatura e dell'umidità nei locali climatizzati.
- Rapida messa a regime degli ambienti climatizzati
- Massima silenziosità di funzionamento

La tecnologia Brushless+Inverter, amica dell'ambiente, si traduce in:

- **50% risparmio annuo di energia elettrica**
(fino al 70% nel funzionamento ai più bassi regimi di rotazione).
I motori ad alta efficienza Brushless, di ultima generazione, abbinati alla tecnologia Inverter, essendo in grado di modulare la portata dell'aria in modo continuo 0-100%, consentono assorbimenti mediamente ridotti del 50% rispetto ai tradizionali motori a 3-velocità.
- **50% riduzione delle emissioni di CO2**
conseguenza del minore consumo di energia
- **50% Riduzione del livello di rumorosità**
la silenziosità è assicurata dalla variazione continua della portata aria, che consente all'unità di funzionare a regimi più bassi.

Il motore Brushless assicura il massimo risparmio energetico rispetto a tutte le altre tecnologie attualmente disponibili.

Il Brushless è conforme alle norme efficienza energetica Eup-ErP 2015.

MOTORIZATION 230Vac monophasic BRUSHLESS

Each single motorisation "D...MB" is made of a single fan directly coupled with its own electric motor:

Centrifugal fan with double air inlet aluminium blades (forward curved fins). Fans statically and dynamically balanced. Extensive diameter fans (= high air flow and high static pressure) with low revolutions (= low noise level).

Brushless Motor: Last generation Electronic Motor, with permanent magnets, Brushless, DC. IP42, Class B, electric cables protected by double insulation. Mounted on elastic and anti-vibration supports. Manufactured according with the international standards, 230Vac-1Ph-50Hz.

Improved well-being & Lower consumption for the air treatment units equipped with fan/motor group with Brushless+Inverter technology.

The continuous variation 0-100% of the air flow and consequently of the heating and cooling capacity, adapting, instant by instant, to the actual needs of the room to be conditioned, means:

- Total Comfort: small fluctuations of the temperature and humidity in the air-conditioned rooms.
- The regime conditions of the air-conditioned rooms are rapidly reached
- Very quiet operation

Brushless + Inverter technology, environment friendly, means:

- **50% yearly energy saving**
(up to 70% with motor operating at lower speeds).
Last generation high efficiency Brushless motors, combined with the Inverter technology, being able to modulate the air flow in a continuous way 0-100%, allowing electric current absorptions reduced by 50% compared to conventional 3-speed motors.
- **50% reduction in CO2 emissions**
consequent is the lower energy consumption
- **50% noise level reduction**
the lower noise level is ensured by the continuous variation of air flow, which allows the unit to operate at lower speeds.

The Brushless motor provides maximum energy savings in comparison with all other currently available technologies.

Brushless complies to the Eup-ErP 2015 energy efficiency standards.

Taglia - Size		D1	D2	D3	D5	D6	D7
(2) Solo Ventilatore + Motore BRUSHLESS Only Fan + BRUSHLESS Motor	Mod. Cod. Euro	D1.MB VEN020301 742,00	D2.MB VEN020302 756,00	D3.MB VEN020303 765,00	D5.MB VEN020305 787,00	D6.MB VEN020306 967,00	D7.MB VEN020307 981,00
Riferimento generale/padre - Father/general Reference	Ref.	0707	0907	0909	1010	1209	1212
Portata aria nominale Nominal air flow	MAX / Ref.: ESP=0Pa (1) m³/h	2.000	2.500	3.000	4.000	5.000	6.000
Alimentazione elettrica - Power supply	Motore/Motor 230Vac-1Ph-50Hz						
Segnale di controllo - Control signal	0...10Vdc (tramite Inverter (3) - by Inverter (3))						

(3) Solo INVERTER (Obbligatorio) Only INVERTER (Compulsory)	Mod. Cod. Euro	INV xD1.MB VEN020310 697,00	INV xD2/7.MB VEN020311 742,00
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Dati tecnici riferiti alle seguenti condizioni: Unità Standard - Pressione atmosferica 1013 mbar - Alimentazione elettrica 230Vac/1Ph/50Hz.
(1) Portata aria e Pressione statica: Valori rilevati con cassone rif. norme AMCA 210-74 fig.12 e condotto + diaframma rif. norme CNR-UNI 10023.

(2)-(3): Disponibili almeno 2 differenti tipi di Motore elettronico, entrambi con regolazione elettronica tramite segnale 0...10Vdc.

A seconda della disponibilità al momento della fornitura, il motore può essere EC, VF, VDF, Brushless, ecc. (tutti motori rigorosamente a risparmio energetico). In fase di ordine richiedere le specifiche tecniche del motore qualora si desideri conoscere con precisione il tipo di motore che verrà installato/fornito.

- **Dati Tecnici:** Il motore Brushless prevede un campo di lavoro 0-100% (che si traduce in range Portata aria 0-100%; range ESP 0-100%; range Potenza sonora 0-100%; range Assorbimento elettrico 0-100%) → per una adeguata presentazione delle prestazioni si rimanda alla documentazione tecnica del prodotto.
- **Sempre Obbligatorio: VENTILATORE/MOTORE BRUSHLESS (2) + INVERTER (3)**
- **Controllo Inverter tramite Segnale modulazione 0...10Vdc**
Accessorio indispensabile per il funzionamento di una unità con motore Brushless è il regolatore con segnale di controllo modulante 0...10Vdc (es. mod. adattati: CR12-CR13).

Technical data refer to the following conditions: Standard unit - Atmospheric pressure 1013 mbar - Power supply 230Vac/1Ph/50Hz.
(1) Air flow and Static pressure: Measurements made with casing ref. AMCA 210-74 fig.12 standards and plenum + diaphragm ref. CNR-UNI 10023 standards.

(2)-(3): Available at least 2 different types of electronic motor, both with electronic control by 0...10Vdc signal.

Depending on availability at the moment of the delivery, the motor can be EC, VF, VDF, Brushless, etc.. (In any case all strictly energy-saving motors). When placing the order, ask for technical specifications of the motor in case it is required to know exactly the type of motor that will be installed/supplied.

- **Technical data:** Brushless motor provides a working field 0-100% (which means: Air flow range 0-100%; ESP range 0-100%; Sound power range 0-100%; Electrical absorption range 0-100%) → for additional information on the performances please refer to technical documentation of the product.
- **Always Compulsory: FAN/MOTOR BRUSHLESS (2) + INVERTER (3)**
- **Control of the Inverter via Modulating signal 0...10Vdc**
An essential accessory for the operation of a unit with Brushless motor is the controller with modulating control signal 0...10Vdc (ex. suitable mod.: CR12-CR13).