
SCAMBIATORI DI CALORE IN ALLUMINIO

ALUMINIUM HEAT EXCHANGERS

ALUMINIUM WÄRMETAUSCHER

220V - 380V

HV013



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PERSONALIZZAZIONE

Alla FIRA ogni cliente ed ogni esigenza sono considerate nella loro unicità. Per questo in primo luogo valutiamo attentamente ogni richiesta e poi ne delineamo le possibili soluzioni. E' con questa metodologia affermata giorno dopo giorno nella realizzazione di prodotti mirati alle necessità della clientela, che l'Azienda ha formato i propri collaboratori creando un forte patrimonio tecnologico.

ISTRUZIONI GENERALI DI IMPIEGO

Gli scambiatori di calore FIRA sono costruiti in lega di alluminio e saldabrasati, un processo produttivo moderno che garantisce un prodotto di grande affidabilità.

Le geometrie delle alette a contatto con l'aria e le geometrie dei passaggi interni dell'olio sono studiate per garantire la massima efficienza del sistema. Inoltre l'attenta scelta delle elettrovalvole o delle ventole azionate da motore idraulico e dei convogliatori in ABS garantiscono un insieme che consente grandi rese pur tenendo in massima considerazione i parametri di sicurezza e di rumorosità.

INSTALLAZIONE

Per una corretta installazione si consiglia di adottare dei supporti elastici e di montare lo scambiatore in una zona con ridotte vibrazioni ed urti. Inoltre il posizionamento deve consentire all'aria libera circolazione sia in aspirazione che in scarico (Fig.1). Evitare che l'aria sia riscaldata da componenti esterni tipo marmite motori o altro.

Si raccomanda di evitare brusche variazioni di portata e di non superare la pressione di esercizio statica massima ammissibile che è di 15 bar ad una temperatura di 130°C.

Per la sicurezza dello scambiatore si suggerisce l'installazione di una valvola di bypass, questo consentirà di ridurre i rischi in avviamento dell'impianto a freddo (Fig.2).

Il sistema By-Pass integrato nella massa radiante, è disponibile a richiesta su tutti i modelli.

PERSONALIZATION

FIRA considers the unique needs of each client and each application. That's why each request is carefully evaluated before we propose suitable design solutions. This is the method applied on a day to day basis as we develop fully tailored products, and it has formed the ideal training environment for our personnel, supporting the accumulation of an impressive store of technological know-how.

CONSTRUCTION FEATURES

FIRA heat exchangers are built in brazed aluminum alloy in a thoroughly modern process that guarantees top quality totally reliable results.

The geometry of the tube fins in the air stream and the inside of the oil-ways is designed to support the maximum efficiency of the system. The same meticulous attention is applied to selecting electric fan units or hydraulically driven fans and ABS shrouds, to assure a finished product that guarantees maximum efficiency and exemplary safety and noise levels.

INSTALLATION

For correct installation use flexible supports and install the heat exchanger in a place that is protected from vibration and impact. The unit must also be mounted so as to ensure unrestricted intake and exhaust air flows (Fig.1). All these measures must taken to prevent the heat exchanger from drawing in warm air heated by external components such as engine exhaust systems.

We also recommend avoiding sudden changes of flow rate and ensuring that the maximum permissible static working pressure of 15 bar at 130°C is not exceeded.

For increased safety of the unit, clients are advised to install a bypass valve to reduce start up risks when the system is cold (Fig.2).

Integrated By-Pass sistem is available on request on all models.

PERSONALISIERUNG

Jeder Kunde und jede Anfrage erfährt bei FIRA eine den jeweiligen Anforderungen entsprechende Behandlung. Die Anfragen werden zunächst sorgfältig ausgewertet, anschließend erfolgt die Ausarbeitung möglicher Lösungen. Mit dieser Vorgehensweise, die sich für die Umsetzung kundenseitiger Wünsche täglich neu bestätigt, hat das Unternehmen die Ausbildung der eigenen Mitarbeiter optimiert und sich ein umfassendes technisches Know-how zugelegt.

ALLGEMEINE GEBRAUCHSANLEITUNG

Die FIRA-Wärmetauscher sind aus Aluminium umlegiert mit Schweißlötzung gefertigt, ein modernes Produktionsverfahren, das eine hohe Zuverlässigkeit der Produkte gewährleistet.

Form und Größe der Kühlrippen mit Luftkanal und der innerliegenden Oldschläufe sind so projektiert, daß die maximale Leistungsabgabe des Systems sichergestellt wird. Die sorgfältig ausgewählten Elektrotüpfel, Lüfter mit Hydraulikmotorantrieb und Fördervorrichtungen in ABS werden höchsten Ansprüchen gerecht und weisen optimierte Eigenschaften bezüglich Sicherheit und Geräuschemissionen auf.

INSTALLATION

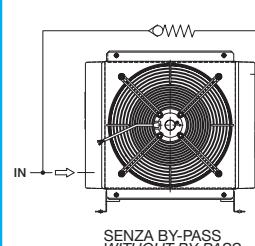
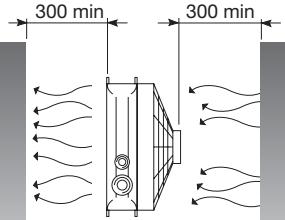
Zur korrekten Installation empfiehlt sich die Verwendung von schwingungsdämpfenden Halterungen; die Montage des Wärmetauschers ist zudem in Bereichen vorzunehmen, in denen Vibrationen oder Stöße nur in reduziertem Maße zu erwarten sind und eine freie Lufzirkulation sowohl für die Ansaugung als auch für den Auslaß sichergestellt ist (Abb. 1). Bei der Positionierung ist ferner zu beachten, daß die Luft nicht durch außenliegende Teile, z.B. Auspuff oder dergleichen, erwärmt wird.

Beim Betrieb ist darauf zu achten, daß plötzliche Änderungen der Durchflußmenge vermieden werden und der maximal zugelassene statische Druck von 15 bar bei einer Temperatur von 130°C nicht überschritten wird.

Zur Sicherheit des Wärmetauschers ist die Installation eines Bypass-Ventils vorzusehen, welches die Risiken bei einem Kaltstart der Anlage reduziert (Abb. 2).

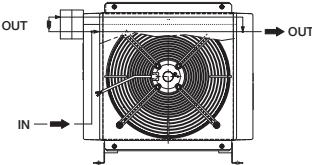
Das integrierte By-Pass-System im Strahlungskörper ist auf Anfrage für alle Modelle lieferbar.

Fig. 1
Fig. 1
Abb. 1



SENZA BY-PASS
WITHOUT BY-PASS
OHNE BY-PASS

Fig. 2
Fig. 2
Abb. 2



CON BY-PASS INTEGRATO
WITH INTEGRATED BY-PASS
MIT INTEGRIERTE BY-PASS

INTRODUZIONE INTRODUCTION EINLEITUNG

A causa delle svariate condizioni di montaggio e delle differenti sollecitazioni alle quali risultano sottoposti gli scambiatori di calore, riteniamo sia utile ed importante chiedere la collaborazione della nostra organizzazione tecnica al momento della progettazione dell'impianto.

Ogni scambiatore di calore è dotato di un libretto di istruzioni che contiene alcune fondamentali indicazioni per un montaggio corretto.

SICUREZZA

Nell'utilizzo delle scambiatori di calore occorre attenersi ad alcune importanti avvertenze.

- non togliere le protezioni dalle ventole.
- far eseguire i collegamenti elettrici a personale specializzato seguendo gli schemi allegati.
- le superfici esterne dello scambiatore potrebbero avere temperature molto elevate bisogna quindi prevedere nel montaggio adeguate protezioni, o posizionamenti poco accessibili.
- non intervenire sul motore idraulico senza prima avere scollegato i tubi.

Because of the differing installation conditions and the various type of stress to which the units may be subjected, we advise clients to consult our Engineering Department during their system design phase.

Each heat exchanger is supplied with a comprehensive instruction booklet that contains important recommendations for correct installation.

SAFETY

During operation of our heat exchangers observe the following instructions:

- do not remove the fan grilles
- electrical connections must be made by skilled electricians in accordance with the attached electrical diagrams
- exterior surfaces of the heat exchanger may reach high temperatures so adequate guards must be installed or the unit must be mounted in an inaccessible position.
- do not perform work on the hydraulic motor until the hydraulic pipelines have been disconnected.

Aufgrund der unterschiedlichen Montagebedingungen und der verschiedenen Belastungen, denen die Wärmetauscher ausgesetzt sein können, empfiehlt sich bei der Projektierung der Anlage die Zusammenarbeit mit unserer technischen Abteilung.

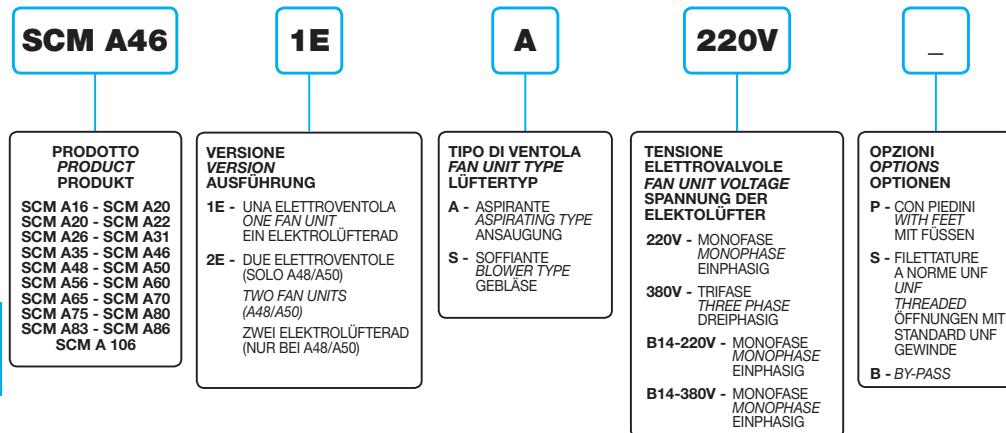
Zum Lieferumfang jedes Wärmetauschers zählt eine entsprechende Gebrauchsanleitung mit den wesentlichen Hinweisen für eine korrekte Montage.

SICHERHEIT

Beim Gebrauch des Wärmetauschers sind folgende wichtige Hinweise zu beachten:

- Schutzaufrichtungen an den Lüftern auf keinen Fall abnehmen;
- elektrische Anschlüsse von Fachpersonal und gemäß den beiliegenden Plänen ausführen lassen;
- die Außenoberflächen des Wärmetauschers können beim Betrieb sehr hohe Temperaturen aufweisen; bei der Montage sind demnach entsprechende Schutzaufrichtungen vorzusehen oder schwer erreichbare Positionen auszuwählen;
- Eingriffe am Hydraulikmotor nur nach Abnahme der Leitungen vornehmen.

ISTRUZIONI PER L'ORDINAZIONE ORDERING INSTRUCTIONS BESTELLANLEITUNG



NOTA:

Lo scambiatore non prevede di serie il termostato e i piedini. Vedere per i piedini ogni singolo modello. Riferirsi a pag. 38 per informazioni sugli accessori, le possibilità di scelta e le istruzioni di ordinazione.

NOTE:

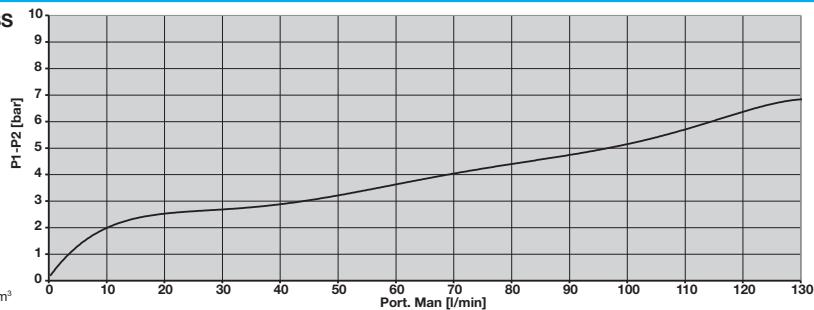
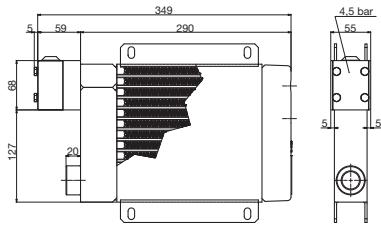
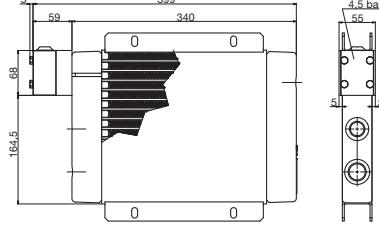
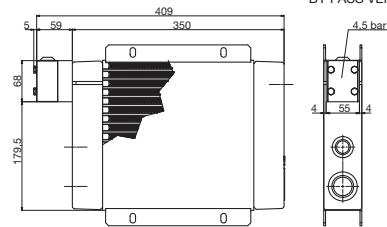
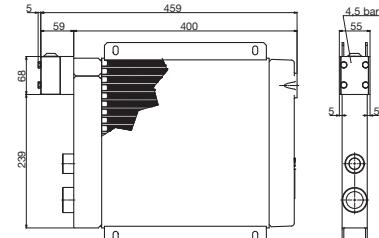
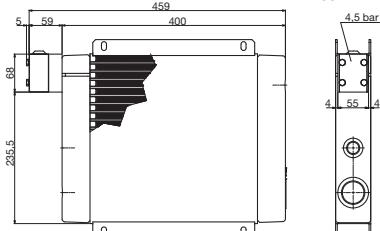
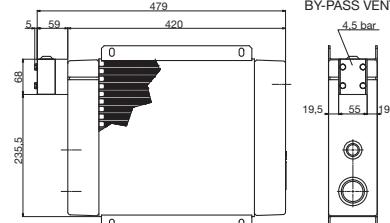
*Heat exchangers are not equipped with thermostat and feet as a standard.
Please refer to each model to have your heat exchanger supplied with feet, and to page 38 for accessories and for a description of available range and ordering instructions.*

ANMERKUNG:

Der Wärmetauscher wird serienmäßig ohne Füsse und Thermostat geliefert. Die Füsse sind bei jedem Modell ersichtlich. Auf Seite 38 sind Infos ueber Zubehör, Auswahlmöglichkeiten und Bestellnummern zu finden.

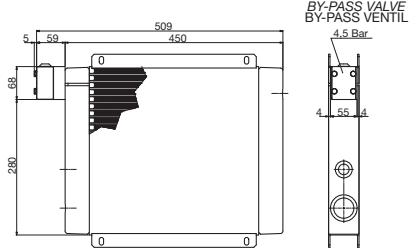
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL
6K01040K000006

Temperatura: 60°C
 Olio: Ergoline H32
 Viscosità 40°C: 32 cSt
 Densità: 0,870 kg/dm³
 Temperature: 60°C
 Oil: Ergoline H32
 Viscosity 40°C: 32 cSt
 Density: 0,870 kg/dm³
 Temperatur 60°C
 Öl: Ergoline H32
 Viskosität 40°C: 32 cSt
 Dichte: 0,870 kg/dm³

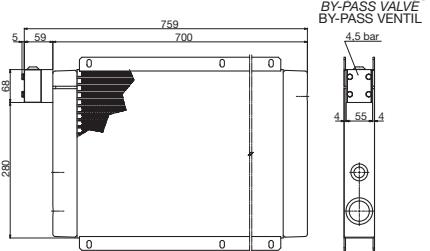
**A16**VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL**A20**VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL**A22**VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL**A26**VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL**A31**VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL**A35**VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL

BY-PASS

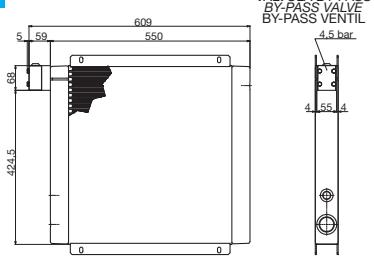
A46



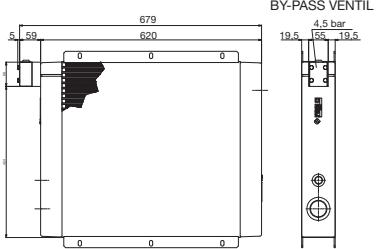
A50



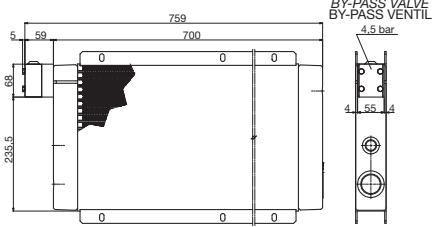
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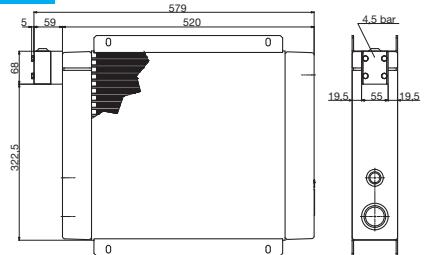
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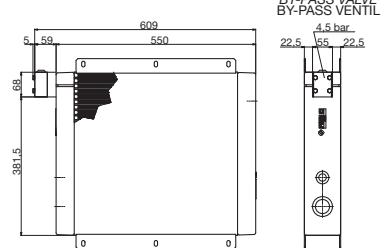
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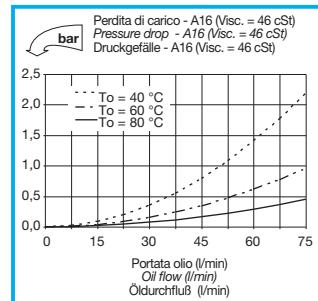
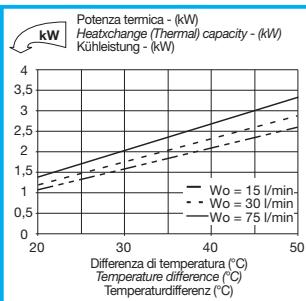
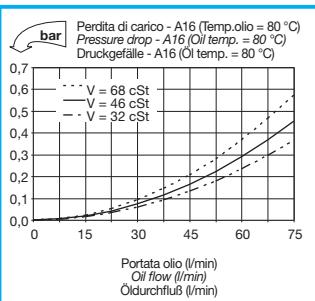
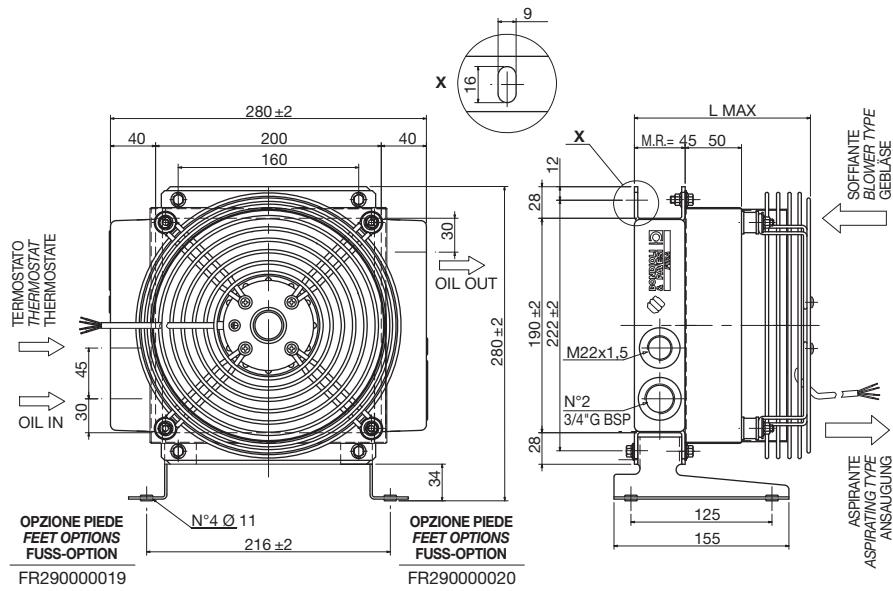


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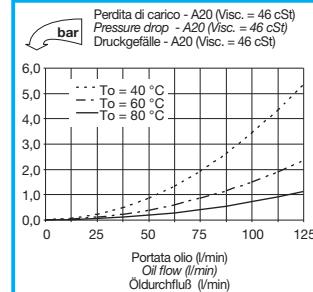
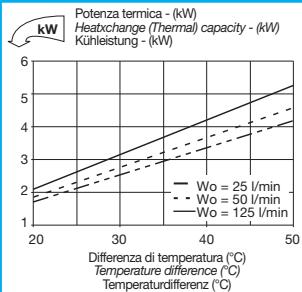
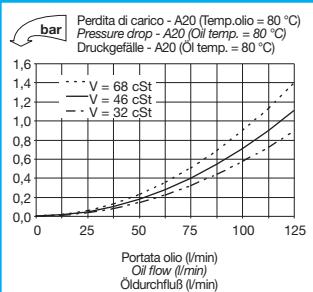
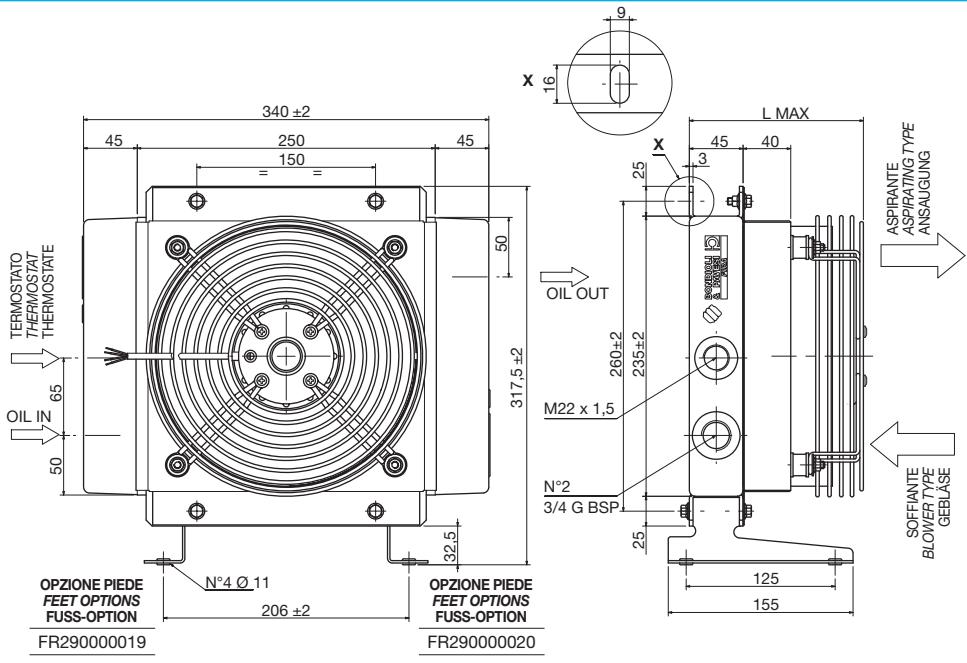


A65

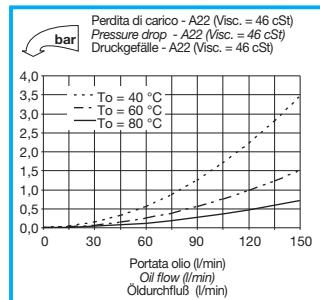
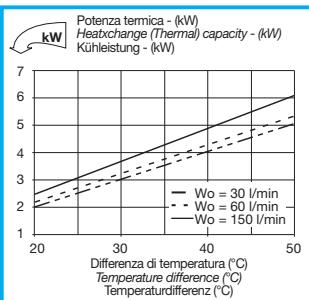
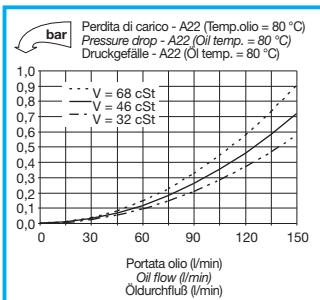
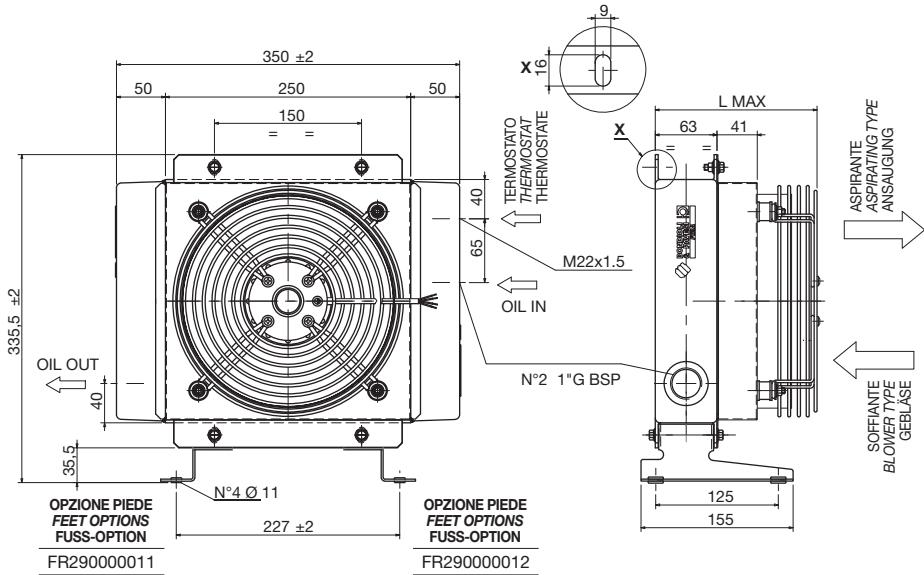




CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633050031	SCM A16 1EA 220V	200	78	50	2600	44	156	3,7	1
					60				
FR633050032	SCM A16 1ES 220V	200	78	50	2600	44	156	3,7	1
					60				
FR633050021	SCM A16 1EA 380V	200	70	50	2600	44	156	3,7	1
					60				
FR633050022	SCM A16 1ES 380V	200	70	50	2600	44	156	3,7	1
					60				

A20
SCAMBIATORI DI CALORE IN ALLUMINIO
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ALUMINIUM WÄRMETAUSCHER


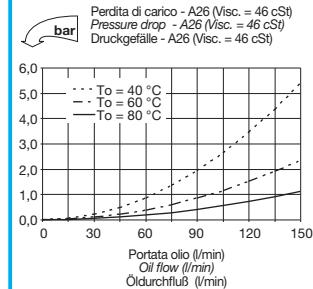
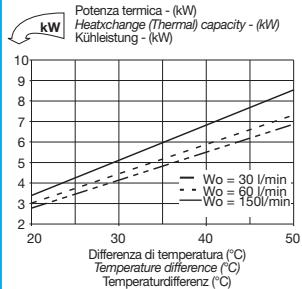
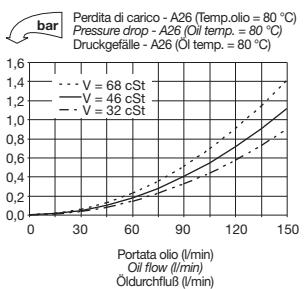
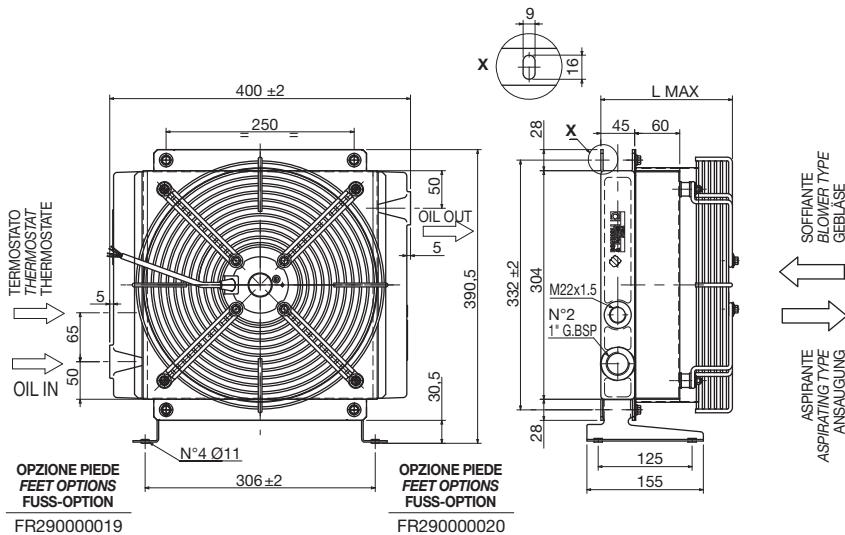
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FR633030031	SCM A20 1EA 220V	200	78	50	2600	44	146	7	1,45
				60	2900				
FR633030032	SCM A20 1ES 220V	200	78	50	2600	44	146	7	1,45
				60	2900				
FR633030021	SCM A20 1EA 380V	200	70	50	2600	44	146	7	1,45
				60	2900				
FR633030022	SCM A20 1ES 380V	200	70	50	2600	44	146	7	1,45
				60	2900				



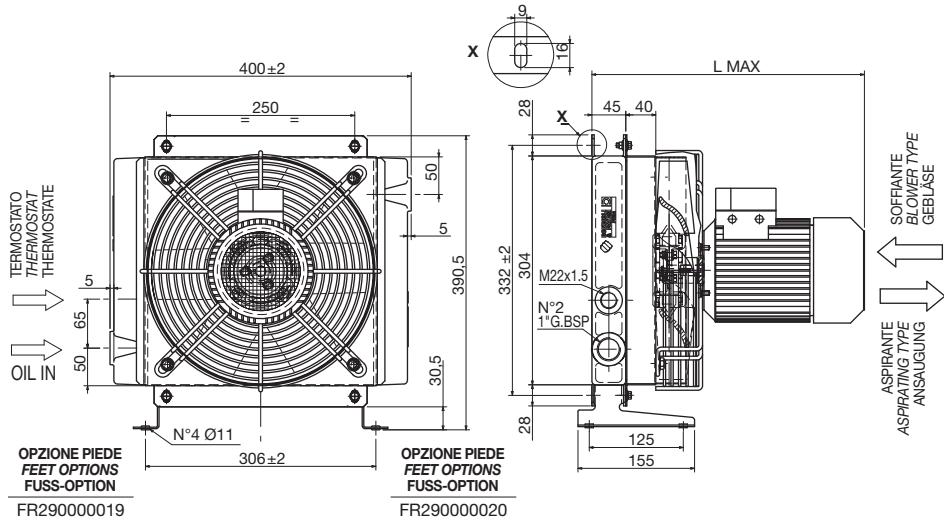
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FR633110031	SCM A22 1EA 220V	200	76	50	2600	44	165	7,5	1,7
				60	2900				
FR633110032	SCM A22 1ES 220V	200	76	50	2600	44	165	7,5	1,7
				60	2900				
FR633110021	SCM A22 1EA 380V	200	76	50	2600	44	165	7,5	1,7
				60	2900				
FR633110022	SCM A22 1ES 380V	200	76	50	2600	44	165	7,5	1,7
				60	2900				

A26

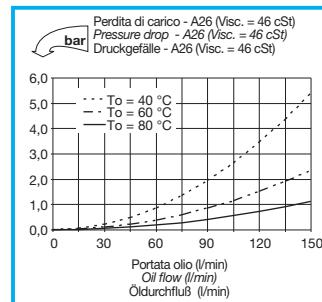
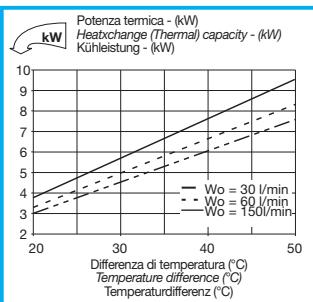
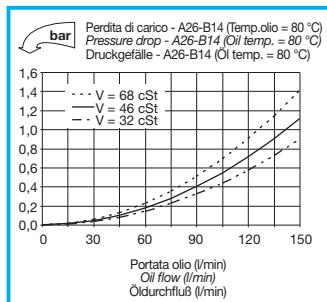
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CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633130031	SCM A26 1EA 220V	300	350	50	2700	44	175	7	2,3
				60	3000				
FR633130032	SCM A26 1ES 220V	300	350	50	2700	44	175	7	2,3
				60	3000				
FR633130021	SCM A26 1EA 380V	300	350	50	2600	44	175	7	2,3
				60	2850				
FR633130022	SCM A26 1ES 380V	300	350	50	2600	44	175	7	2,3
				60	2850				



A26-B14

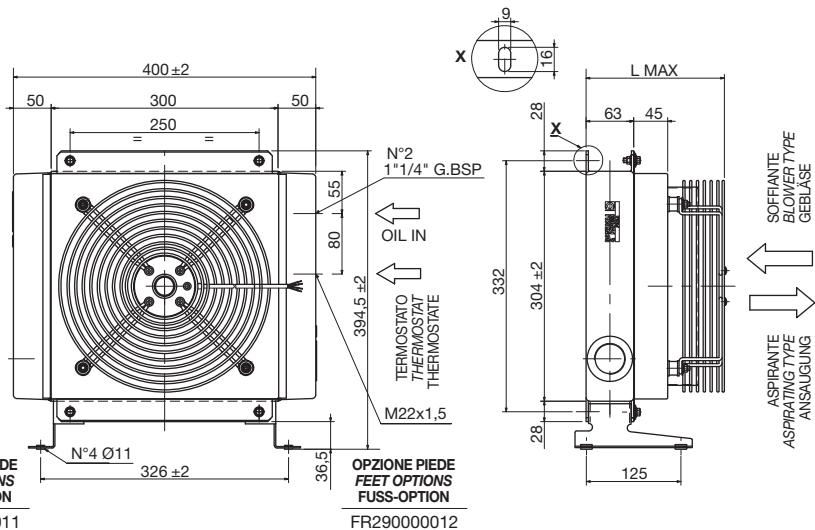


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FR633130042	SCM A26 1ES 220V-B14	290	370	50	2790	65	362	11,5	2,3
FR633130051	SCM A26 1EA 380V-B14	290	370	50	2790	65	362	11,5	2,3
FR633130052	SCM A26 1ES 380V-B14	290	370	50	2790	65	362	11,5	2,3

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

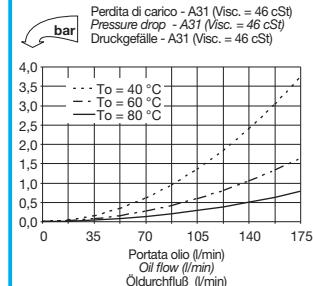
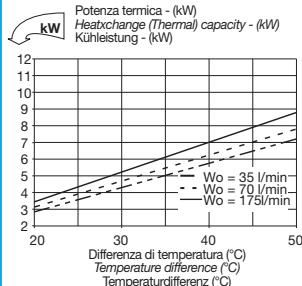
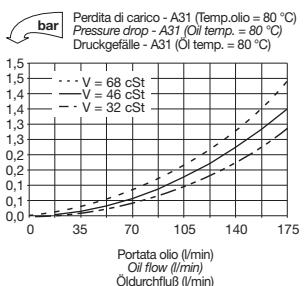
Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

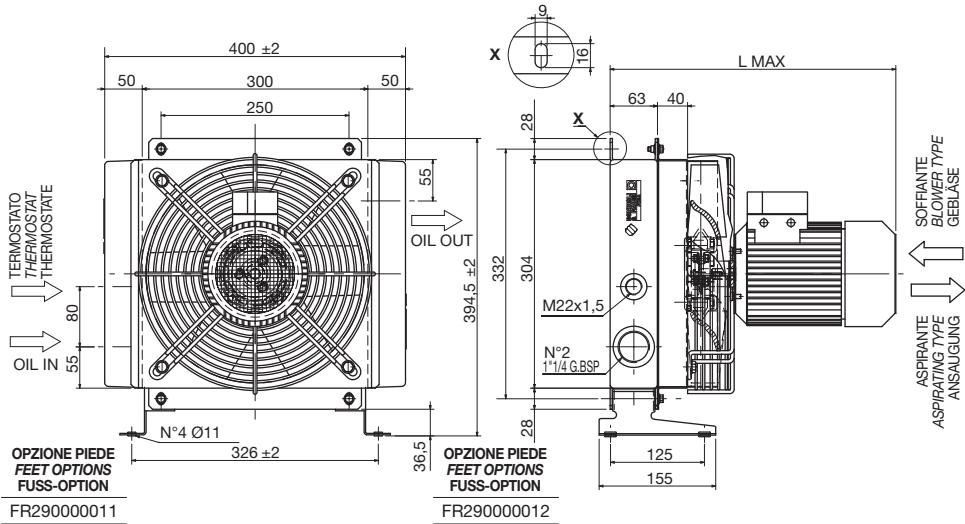
A31
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


FR290000011

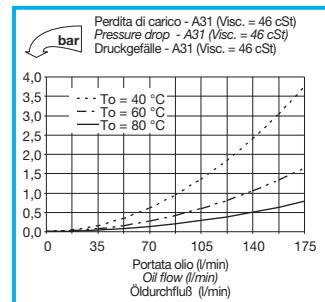
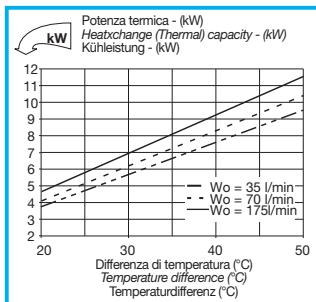
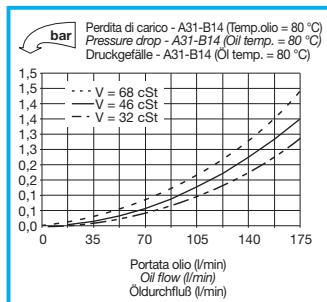
FR290000012



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633170031	SCM A31 1EA 220V	250	160	50	2500	44	183	10	3,2
				60	2600				
FR633170032	SCM A31 1ES 220V	250	160	50	2500	44	183	10	3,2
				60	2600				
FR633170021	SCM A31 1EA 380V	250	160	50	2450	44	183	10	3,2
				60	2550				
FR633170022	SCM A31 1ES 380V	250	160	50	2450	44	183	10	3,2
				60	2550				



A31-B14

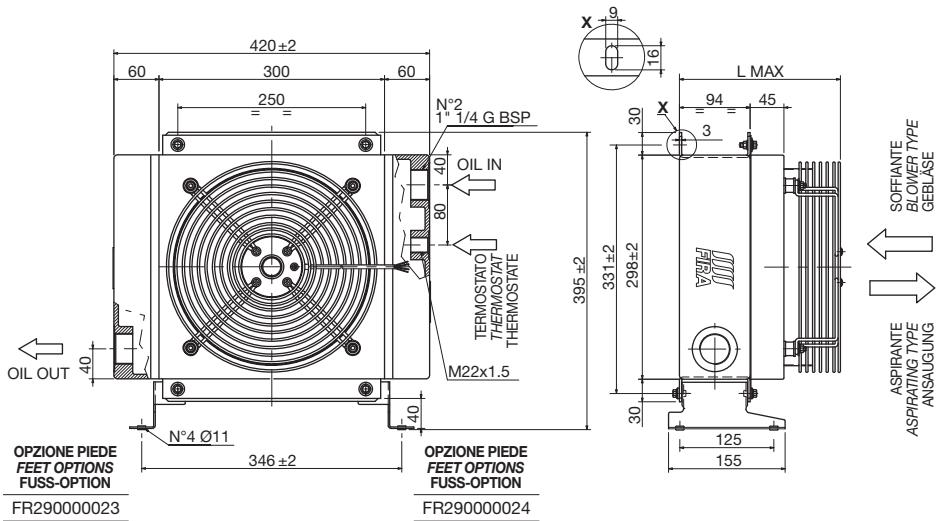


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
		Ø mm	W			IP		kg	lt
FR633170041	SCM A31 1EA 220V-B14	290	370	50	2790	65	380	14,5	3,2
FR633170042	SCM A31 1ES 220V-B14	290	370	50	2790	65	380	14,5	3,2
FR633170051	SCM A31 1EA 380V-B14	290	370	50	2790	65	380	14,5	3,2
FR633170052	SCM A31 1ES 380V-B14	290	370	50	2790	65	380	14,5	3,2

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°airi e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

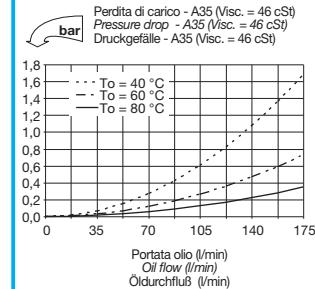
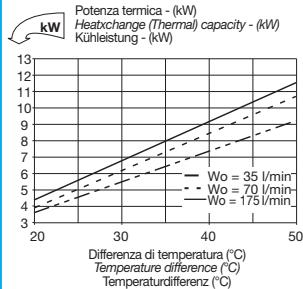
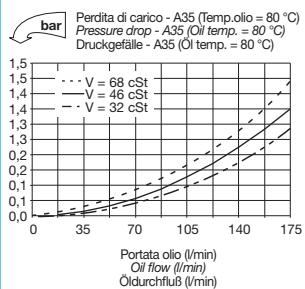
Kühler sind auf Anfrage verfügbar mit Motoren unterschiedlicher Leistung, Schutzstufe, UPM, Geräusch.

A35
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER
OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION

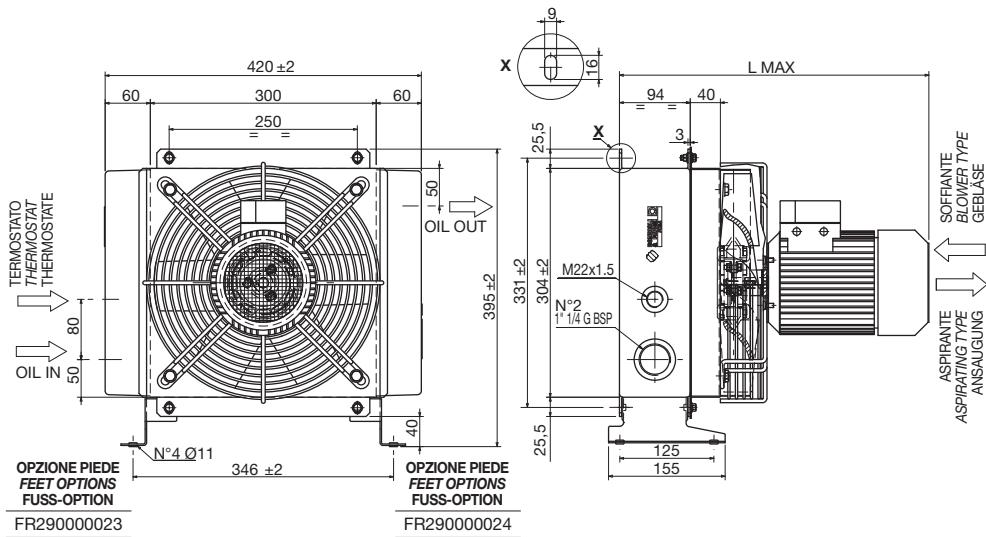
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OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION

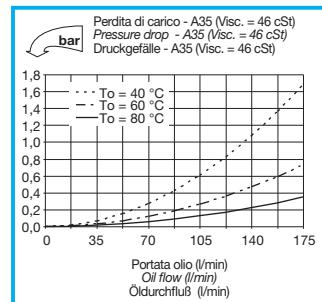
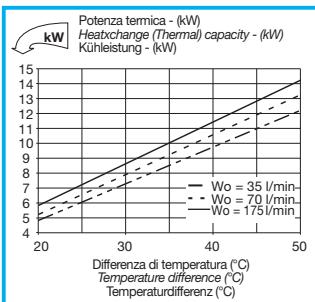
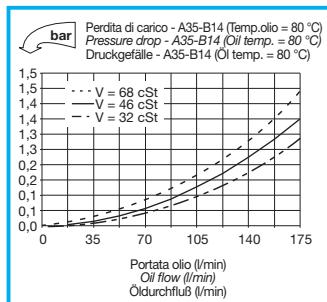
FR290000024



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633060031	SCM A35 1EA 220V	250	160	50	2500	44	214	13,2	4,8
				60	2600				
FR633060032	SCM A35 1ES 220V	250	160	50	2500	44	214	13,2	4,8
				60	2600				
FR633060021	SCM A35 1EA 380V	250	160	50	2450	44	214	13,2	4,8
				60	2550				
FR633060022	SCM A35 1ES 380V	250	160	50	2450	44	214	13,2	4,8
				60	2550				



A35-B14

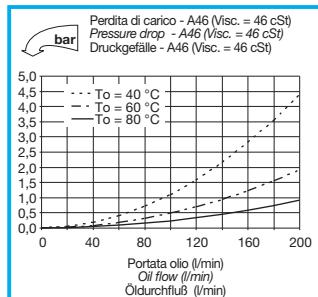
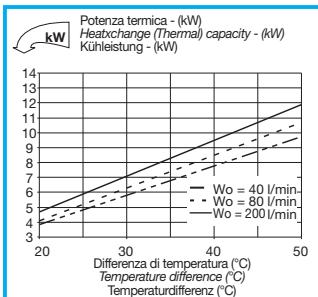
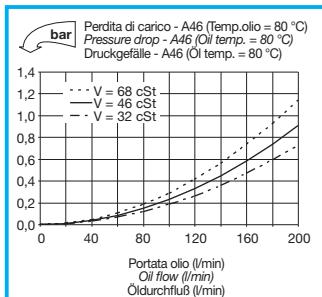
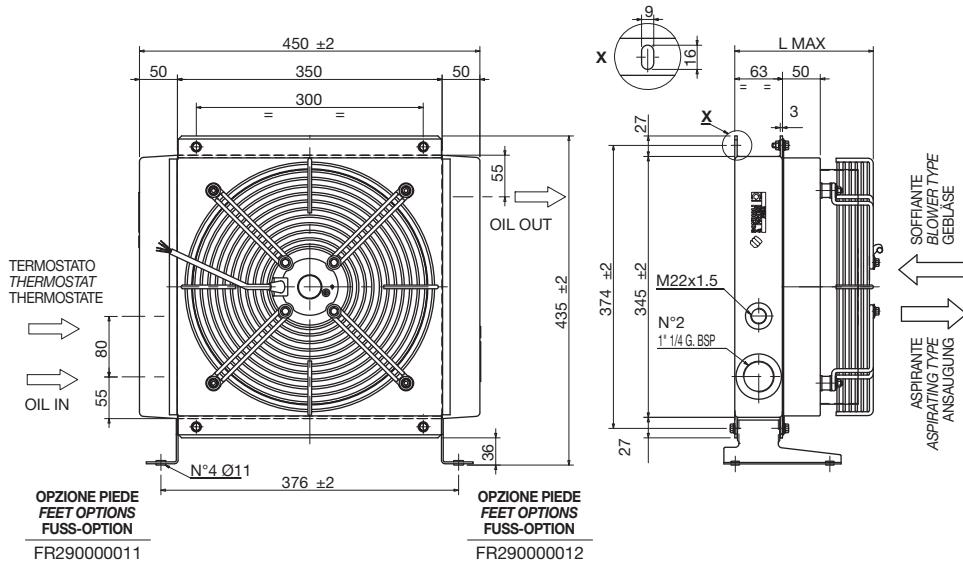


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633060041	SCM A35 1EA 220V-B14	290	370	50	2790	65	411	18	4,8
FR633060042	SCM A35 1ES 220V-B14	290	370	50	2790	65	411	18	4,8
FR633060051	SCM A35 1EA 380V-B14	290	370	50	2790	65	411	18	4,8
FR633060052	SCM A35 1ES 380V-B14	290	370	50	2790	65	411	18	4,8

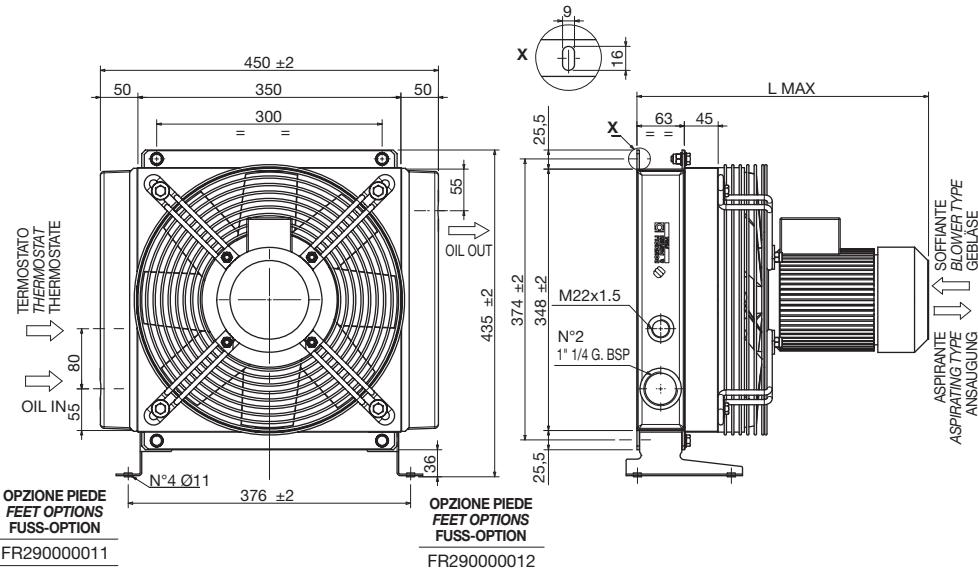
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°gor e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

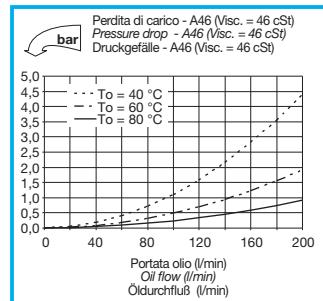
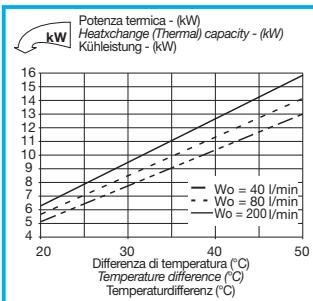
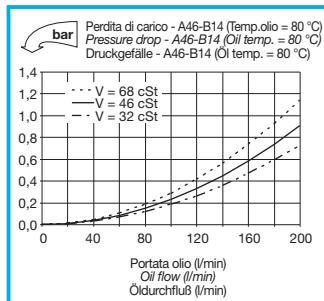
Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633200031	SCM A46 1EA 220V	300	350	50	2700	44	183	16	4
				60	3000				
FR633200032	SCM A46 1ES 220V	300	350	50	2700	44	183	16	4
				60	3000				
FR633200021	SCM A46 1EA 380V	300	350	50	2600	44	183	16	4
				60	2850				
FR633200022	SCM A46 1ES 380V	300	350	50	2600	44	183	16	4
				60	2850				



A46-B14

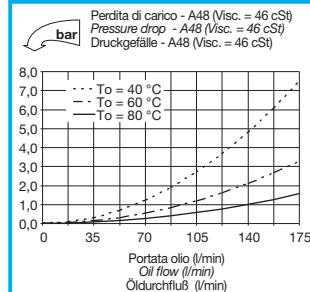
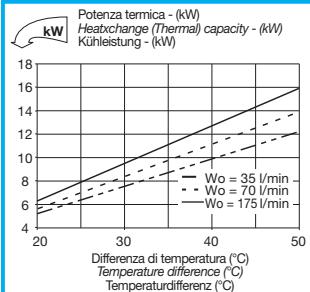
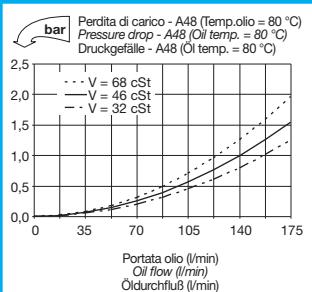
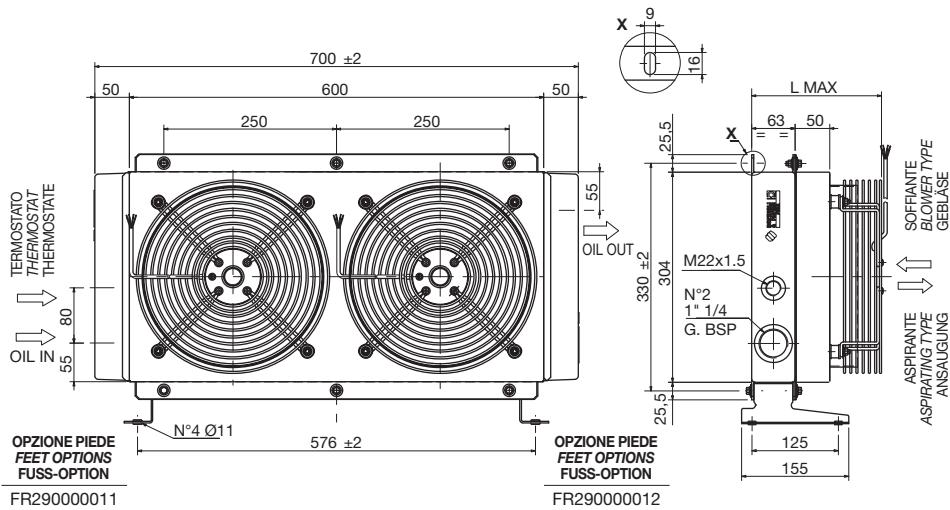


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633200041	SCM A46 1EA 220V-B14	340	370	50	2790	65	388	20,5	4
FR633200042	SCM A46 1ES 220V-B14	340	370	50	2790	65	388	20,5	4
FR633200051	SCM A46 1EA 380V-B14	340	370	50	2790	65	388	20,5	4
FR633200052	SCM A46 1ES 380V-B14	340	370	50	2790	65	388	20,5	4

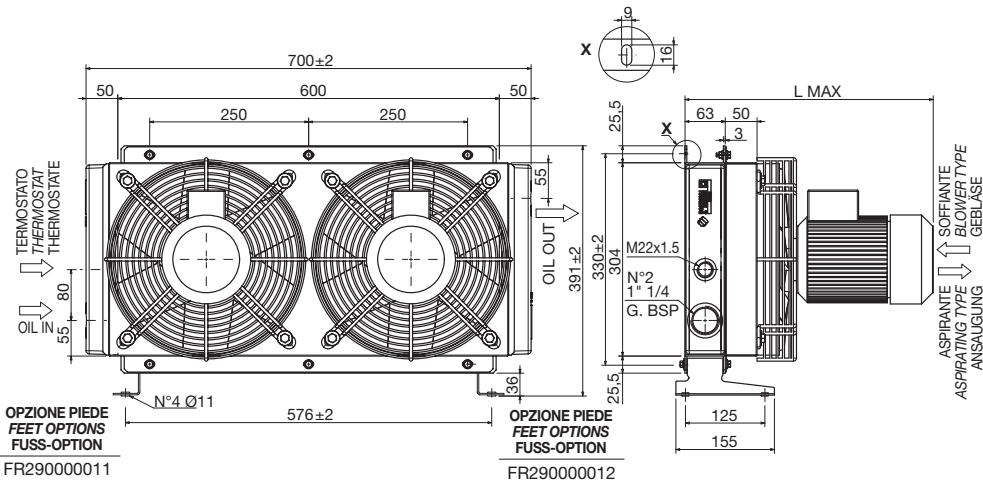
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

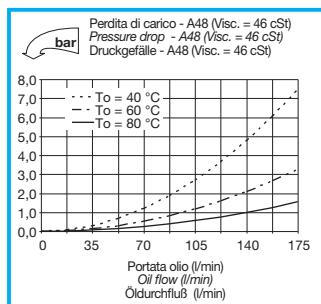
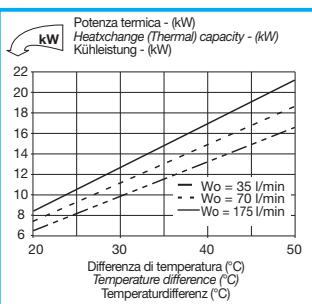
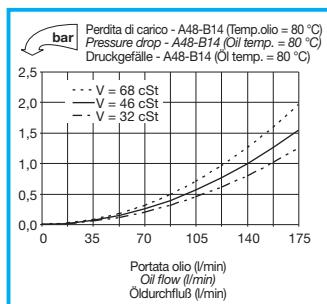
Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

A48
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633210031	SCM A48 2EA 220V	250 x 2	160	50	2500	44	188	14	3,2
				60	2600				
FR633210032	SCM A48 2ES 220V	250 x 2	160	50	2500	44	188	14	3,2
				60	2600				
FR633210021	SCM A48 2EA 380V	250 x 2	160	50	2450	44	188	14	3,2
				60	2550				
FR633210022	SCM A48 2ES 380V	250 x 2	160	50	2450	44	188	14	3,2
				60	2550				



A48-B14

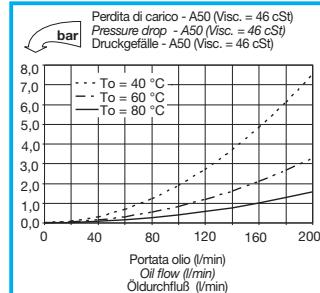
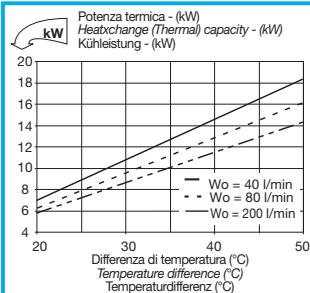
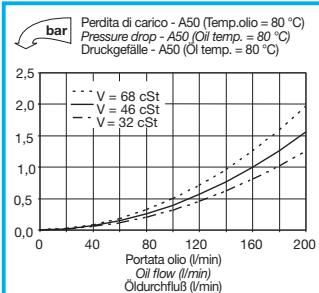
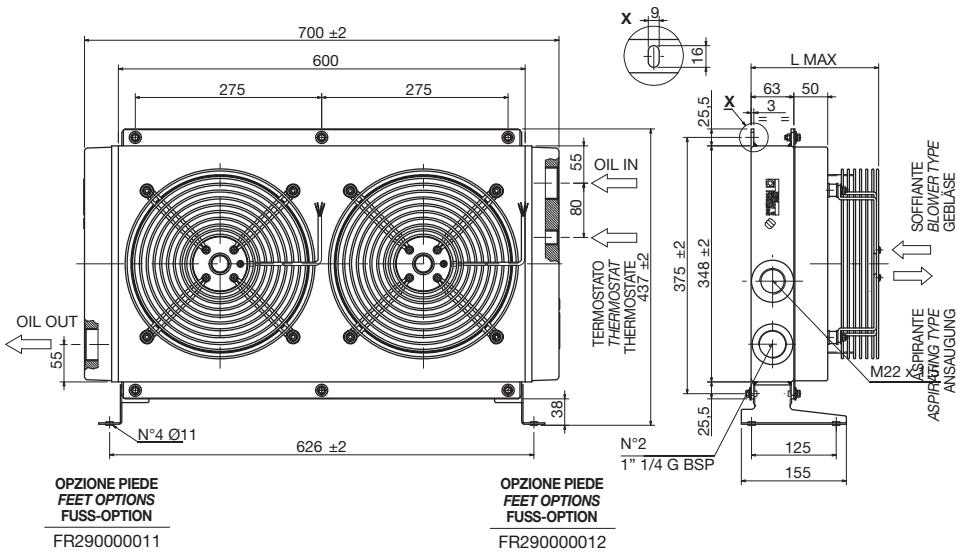


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633210041	SCM A48 2EA 220V-B14	290 x 2	370	50	2790	65	390	23	3,2
FR633210042	SCM A48 2ES 220V-B14	290 x 2	370	50	2790	65	390	23	3,2
FR633210051	SCM A48 2EA 380V-B14	290 x 2	370	50	2790	65	390	23	3,2
FR633210052	SCM A48 2ES 380V-B14	290 x 2	370	50	2790	65	390	23	3,2

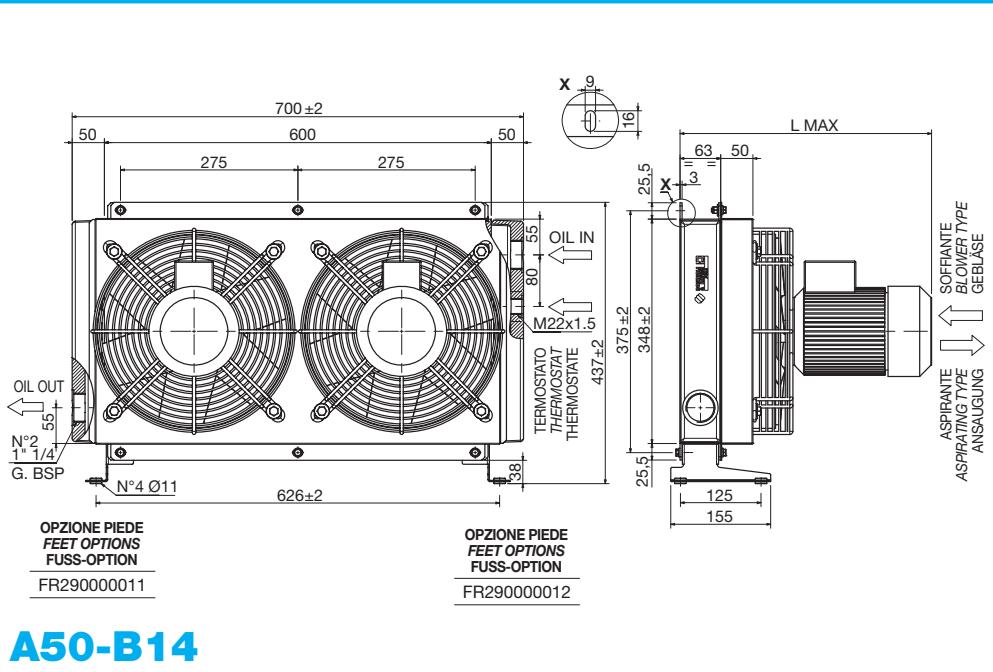
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

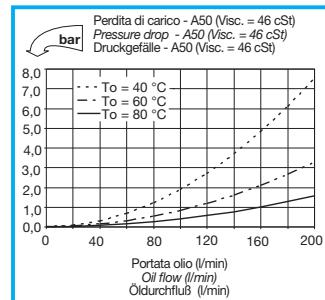
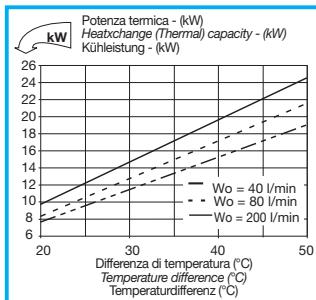
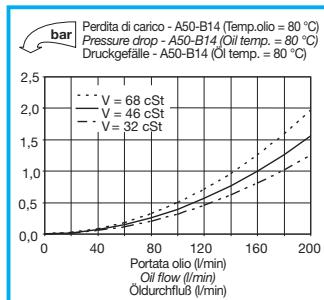
Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

A50
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633100031	SCM A50 2EA 220V	250 x 2	160	50	2500	44	188	18	3,4
				60	2600				
FR633100032	SCM A50 2ES 220V	250 x 2	160	50	2500	44	188	18	3,4
				60	2600				
FR633100021	SCM A50 2EA 380V	250 x 2	160	50	2450	44	188	18	3,4
				60	2550				
FR633100022	SCM A50 2ES 380V	250 x 2	160	50	2450	44	188	18	3,4
				60	2550				



A50-B14

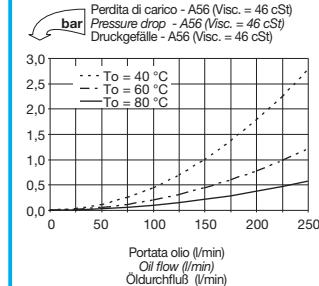
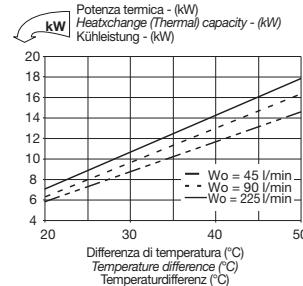
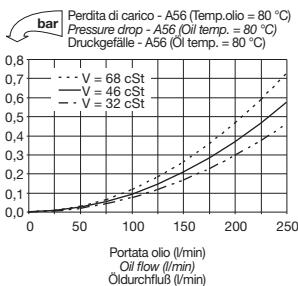
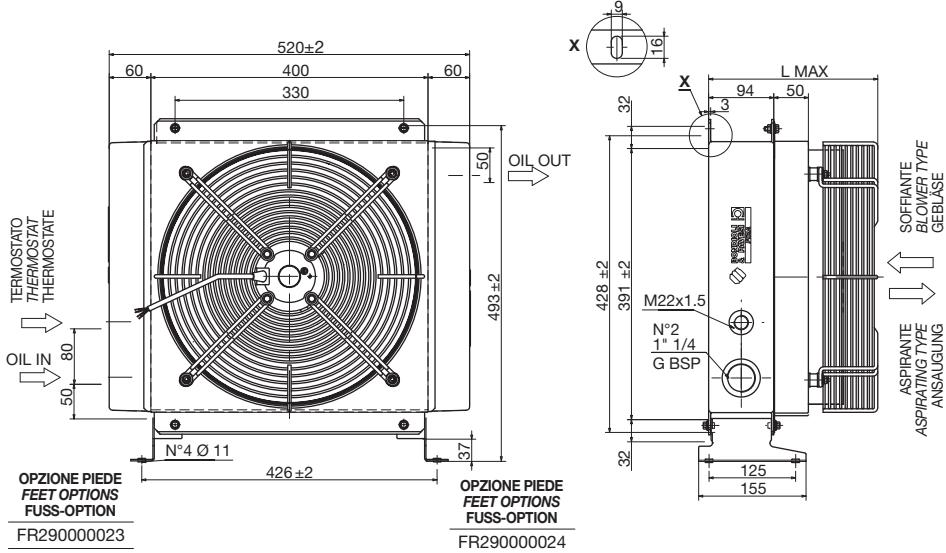


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
		Ø mm	W	Hz		IP		kg	lt
FR633100041	SCM A50 2EA 220V-B14	290 x 2	370	50	2790	65	390	27	3,4
FR633100042	SCM A50 2ES 220V-B14	290 x 2	370	50	2790	65	390	27	3,4
FR633100051	SCM A50 2EA 380V-B14	290 x 2	370	50	2790	65	390	27	3,4
FR633100052	SCM A50 2ES 380V-B14	290 x 2	370	50	2790	65	390	27	3,4

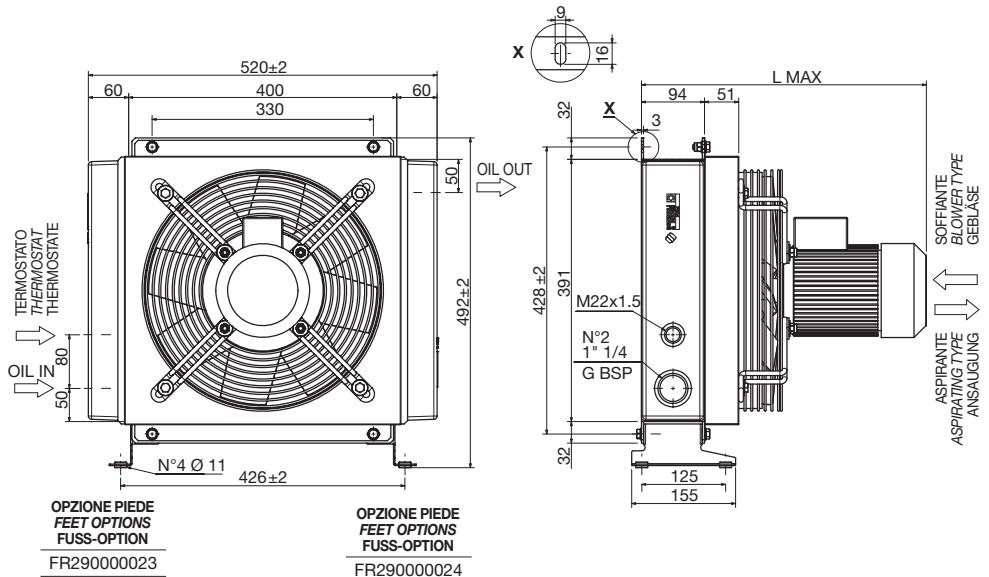
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°airi e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

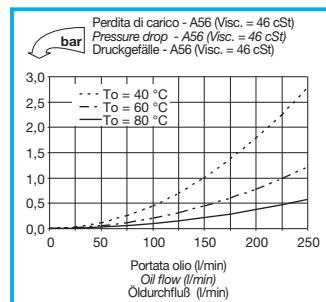
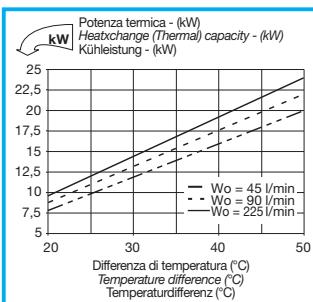
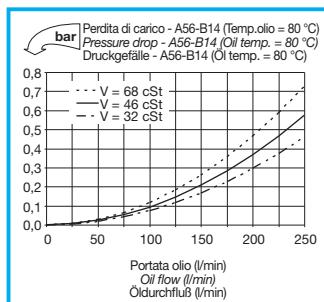
Kühler sind auf Anfrage verfügbar mit Motoren unterschiedlicher Stärke, Schutzstufe, UPM, Geräusch



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633220031	SCM A56 1EA 220V	350	190	50	1400	44	244	16,2	7,5
				60	1590				
FR633220032	SCM A56 1ES 220V	350	190	50	1400	44	244	16,2	7,5
				60	1590				
FR633220021	SCM A56 1EA 380V	350	190	50	1420	44	244	16,2	7,5
				60	1640				
FR633220022	SCM A56 1ES 380V	350	190	50	1420	44	244	16,2	7,5
				60	1640				



A56-B14



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633220041	SCM A56 1EA 220V-B14	340	370	50	1390	44	425	25,2	7,5
FR633220042	SCM A56 1ES 220V-B14	340	370	50	1390	44	425	25,2	7,5
FR633220051	SCM A56 1EA 380V-B14	340	370	50	1390	44	425	25,2	7,5
FR633220052	SCM A56 1ES 380V-B14	340	370	50	1390	44	425	25,2	7,5

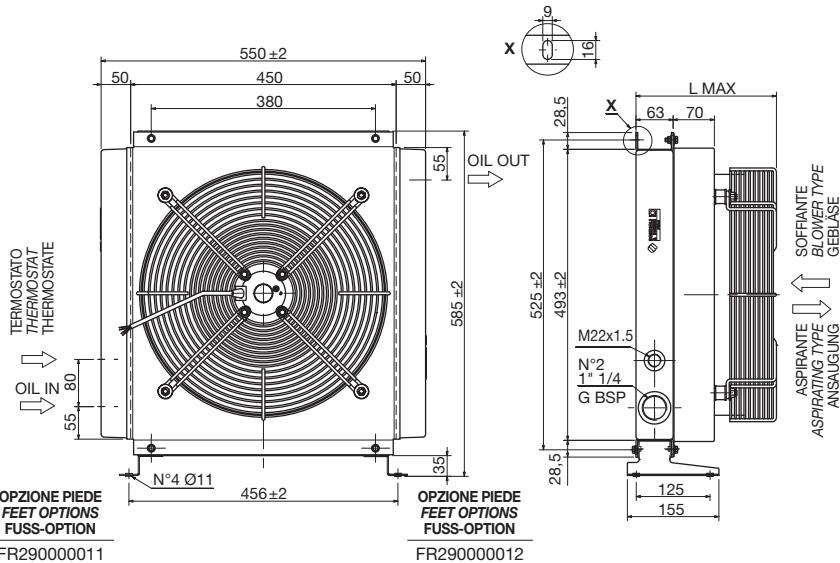
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n'gini e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

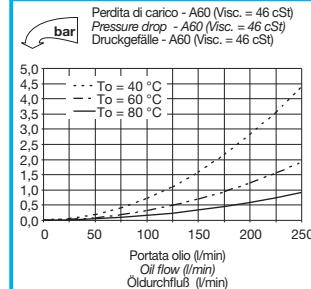
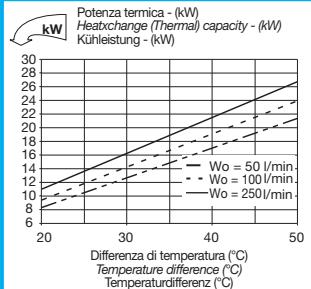
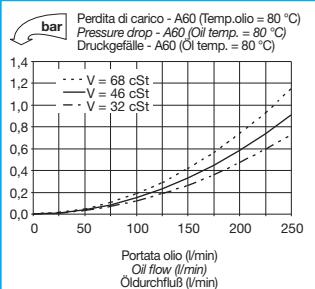
A60

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

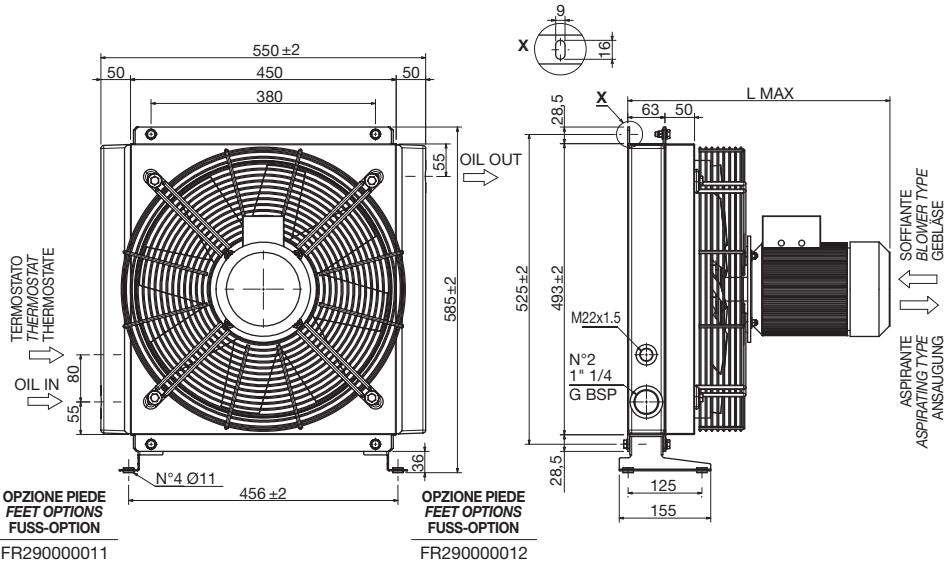


FR290000011

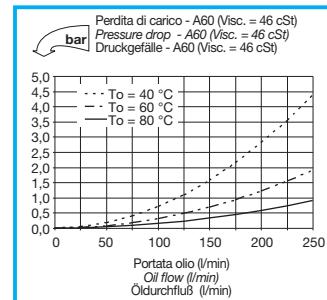
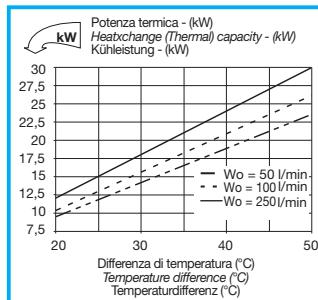
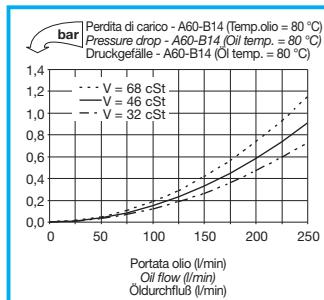
FR290000012



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633090031	SCM A60 1EA 220V	400	240	50	1430	44	238	17,9	5,7
				60	1700				
FR633090032	SCM A60 1ES 220V	400	240	50	1430	44	238	17,9	5,7
				60	1700				
FR633090021	SCM A60 1EA 380V	400	240	50	1450	44	238	17,9	5,7
				60	1690				
FR633090022	SCM A60 1ES 380V	400	240	50	1450	44	238	17,9	5,7
				60	1690				



A60-B14

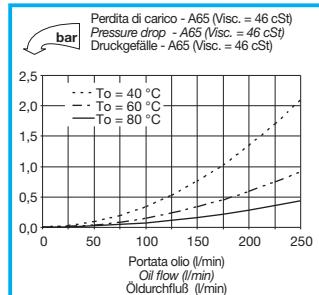
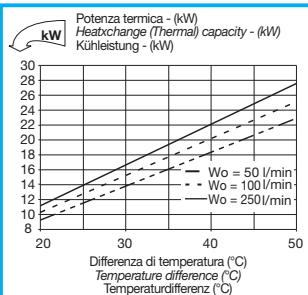
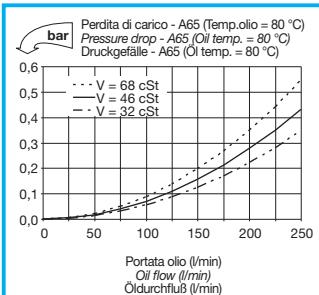
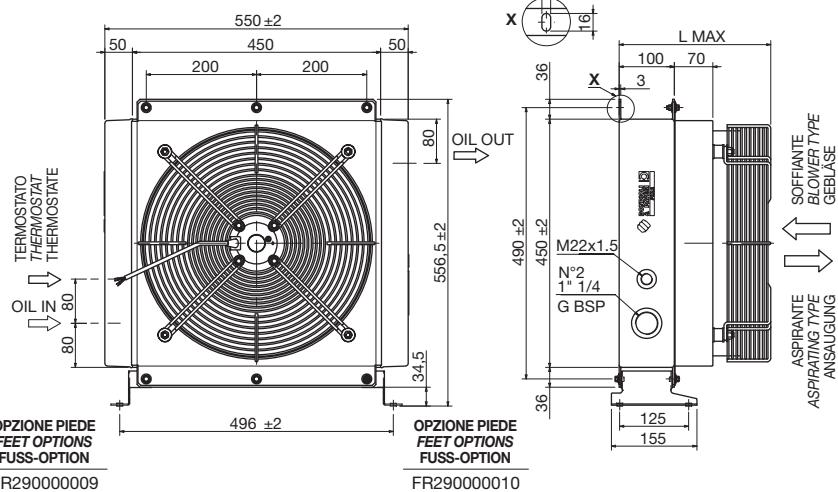


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633090041	SCM A60 1EA 220V-B14	420	750	50	1390	65	444	26,4	5,7
FR633090042	SCM A60 1ES 220V-B14	420	750	50	1390	65	444	26,4	5,7
FR633090051	SCM A60 1EA 380V-B14	420	750	50	1390	65	444	26,4	5,7
FR633090052	SCM A60 1ES 380V-B14	420	750	50	1390	65	444	26,4	5,7

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n'giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

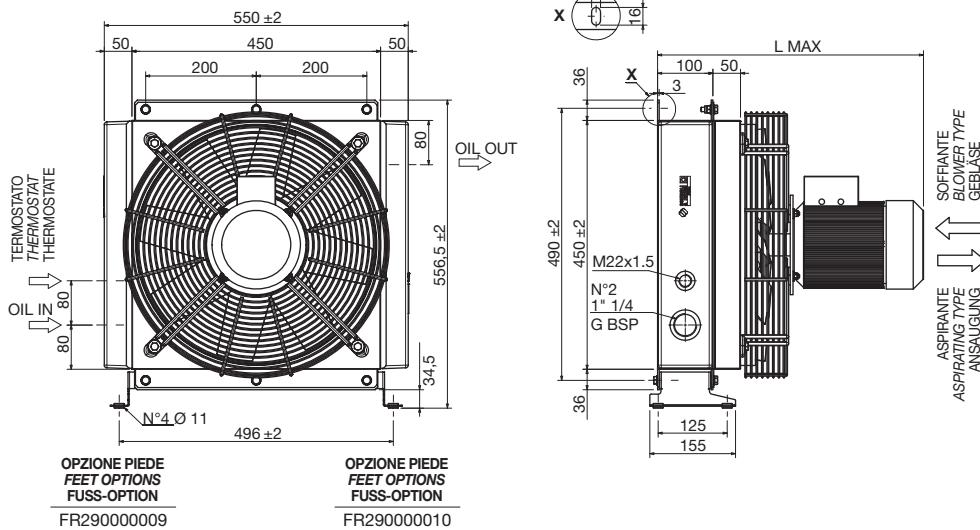
A65
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633120031	SCM A65 1EA 220V	400	240	50	1430	44	275	21,5	8,5
				60	1700				
FR633120032	SCM A65 1ES 220V	400	240	50	1430	44	275	21,5	8,5
				60	1700				
FR633120021	SCM A65 1EA 380V	400	185	50	1450	44	275	21,5	8,5
				60	1690				
FR633120022	SCM A65 1ES 380V	400	185	50	1450	44	275	21,5	8,5
				60	1690				

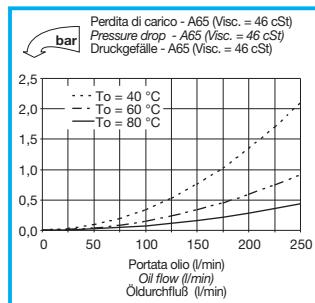
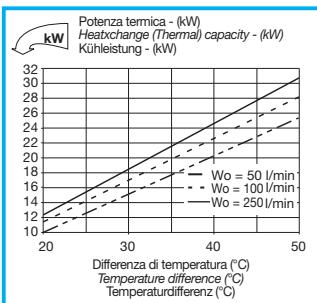
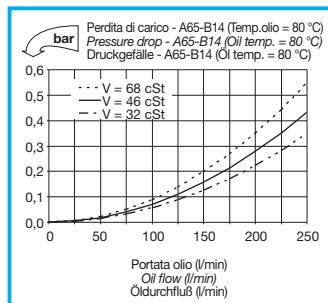
A65

**SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER**

BONDIOLI & PAVESI
FIRA



A65-B14

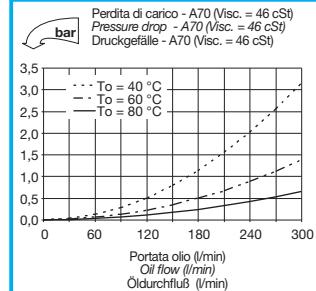
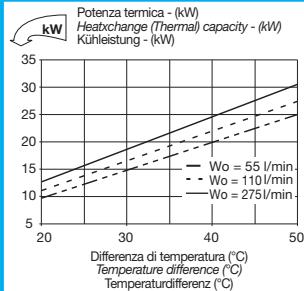
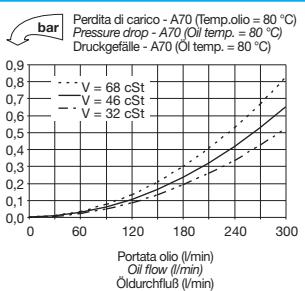
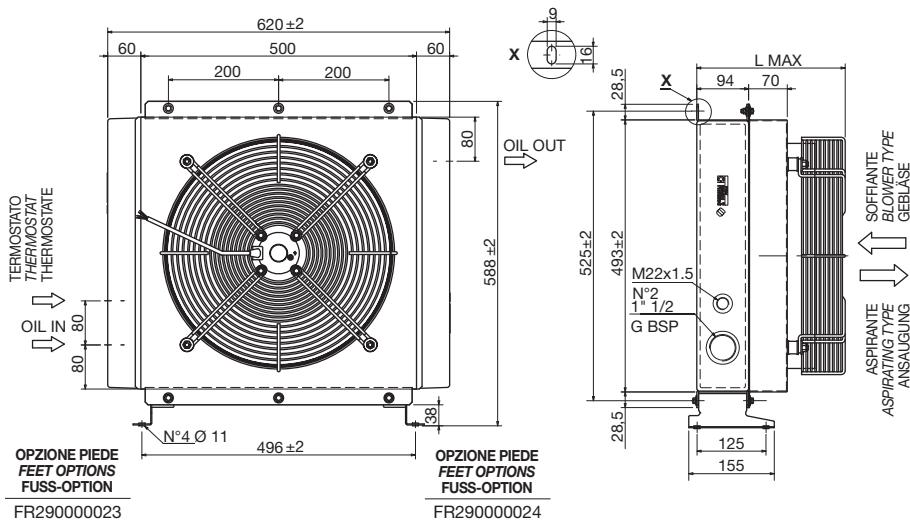


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633120041	SCM A65 1EA 220V-B14	420	750	50	1390	65	481	30	8,5
FR633120042	SCM A65 1ES 220V-B14	420	750	50	1390	65	481	30	8,5
FR633120051	SCM A65 1EA 380V-B14	420	750	50	1390	65	481	30	8,5
FR633120052	SCM A65 1ES 380V-B14	420	750	50	1390	65	481	30	8,5

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärke, Schutzstufe, upm, geräusch.

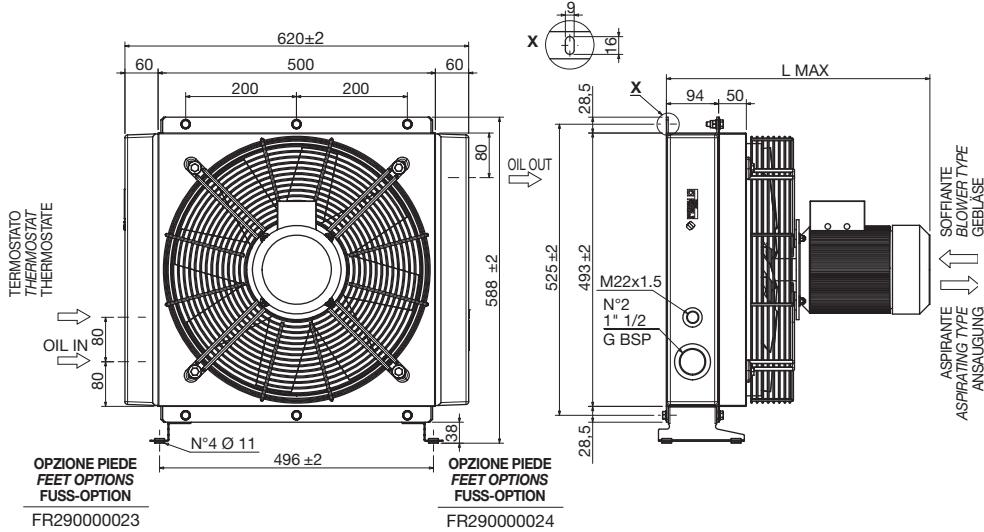
A70
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633230031	SCM A70 1EA 220V	400	240	50	1430	44	269	22	10,5
				60	1700				
FR633230032	SCM A70 1ES 220V	400	240	50	1430	44	269	22	10,5
				60	1700				
FR633230021	SCM A70 1EA 380V	400	185	50	1450	44	269	22	10,5
				60	1690				
FR633230022	SCM A70 1ES 380V	400	185	50	1450	44	269	22	10,5
				60	1690				

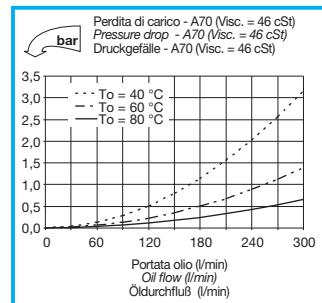
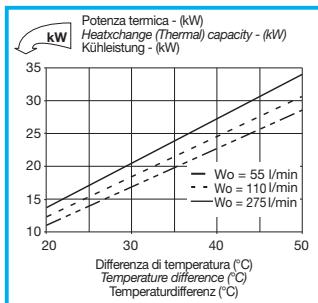
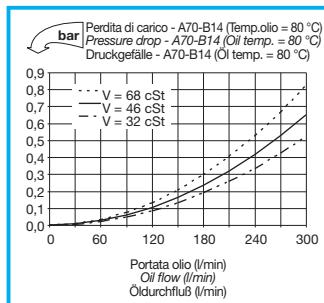
A70

**SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER**

BONDIOLI & PAVESI
FIRA



A70-B14

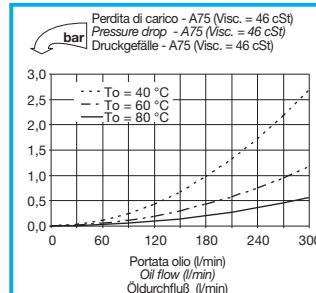
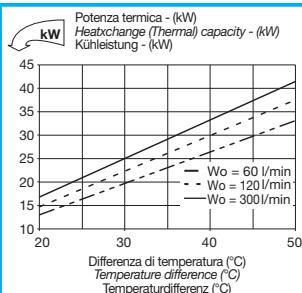
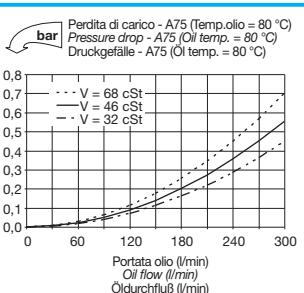
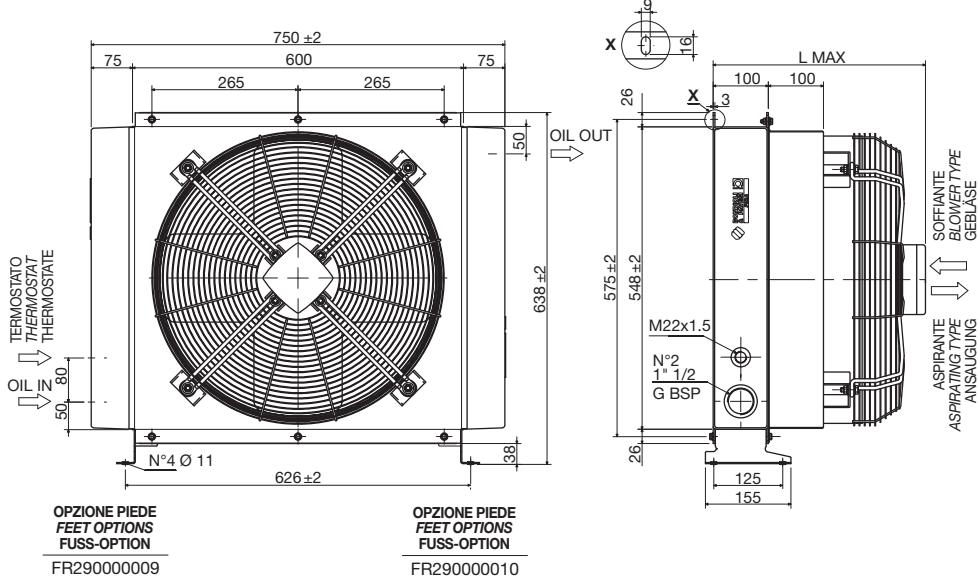


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633230041	SCM A70 1EA 220V-B14	440	750	50	1390	65	475	30,5	10,5
FR633230042	SCM A70 1ES 220V-B14	440	750	50	1390	65	475	30,5	10,5
FR633230051	SCM A70 1EA 380V-B14	440	750	50	1390	65	475	30,5	10,5
FR633230052	SCM A70 1ES 380V-B14	440	750	50	1390	65	475	30,5	10,5

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärke, Schutzstufe, upm, geräusch.

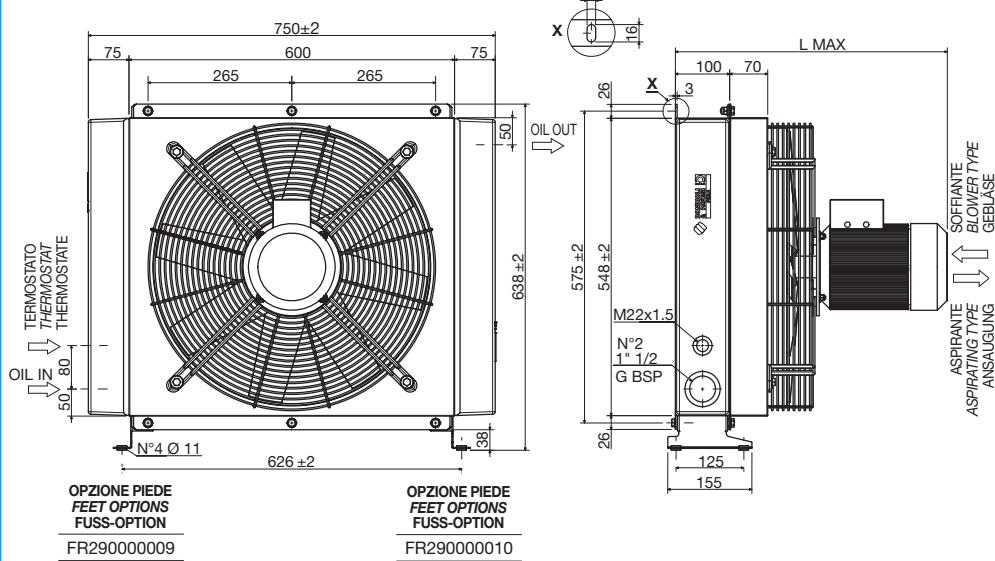
A75
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633140031	SCM A75 1EA 220V	500	640	50	1180	54	269	25	14
			720	60	1300				
FR633140032	SCM A75 1ES 220V	500	780	50	1250	54	269	25	14
			1100	60	1280				
FR633140021	SCM A75 1EA 380V	500	750	50	1390	54	269	25	14
FR633140022	SCM A75 1ES 380V	500	750	50	1390	54	269	25	14

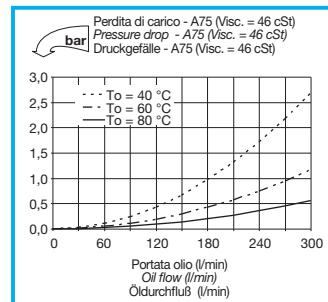
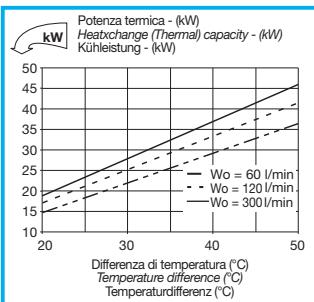
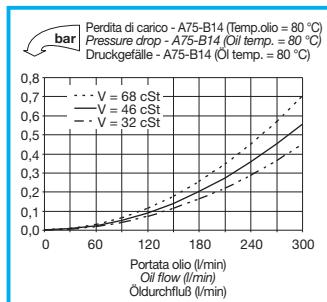
A75

**SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER**

BONDIOLI & PAVESI
FIRA



A75-B14

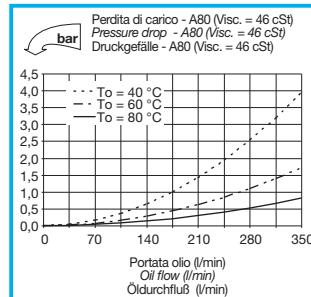
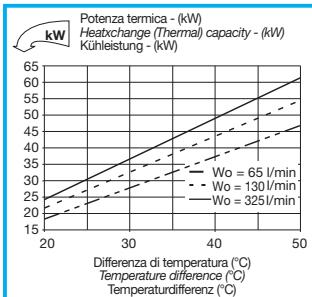
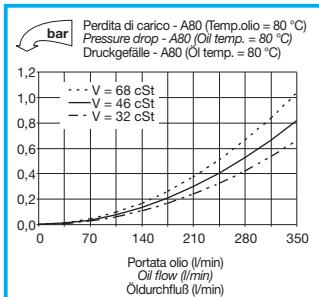
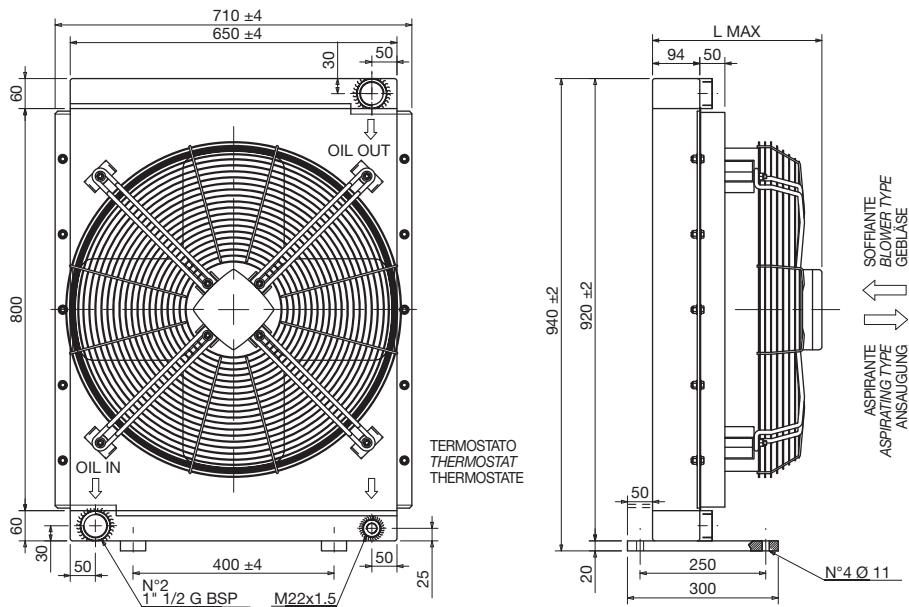


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633140041	SCM A75 1EA 220V-B14	500	750	50	1390	65	475	33,5	14
FR633140042	SCM A75 1ES 220V-B14	500	750	50	1390	65	475	33,5	14
FR633140051	SCM A75 1EA 380V-B14	500	750	50	1390	65	475	33,5	14
FR633140052	SCM A75 1ES 380V-B14	500	750	50	1390	65	475	33,5	14

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

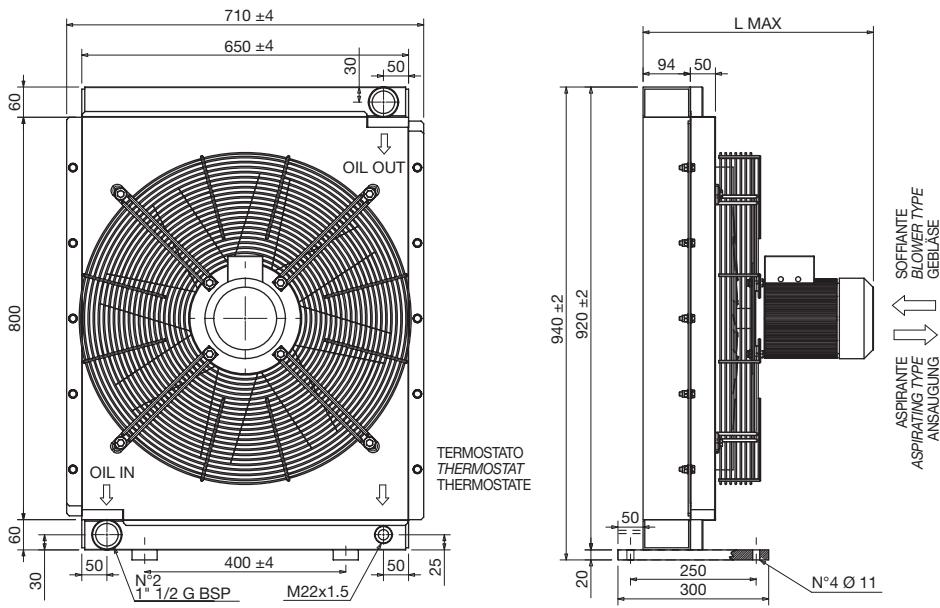
A80
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633150031	SCM A80 1EA 220V	630	470	50	920	54	337	45	18
			730	60	1030				
FR633150032	SCM A80 1ES 220V	630	630	50	860	54	337	45	18
FR633150021	SCM A80 1EA 380V	630	570	50	900	54	337	45	18
			920	60	990				
FR633150022	SCM A80 1ES 380V	630	570	50	900	54	337	45	18
			920	60	990				

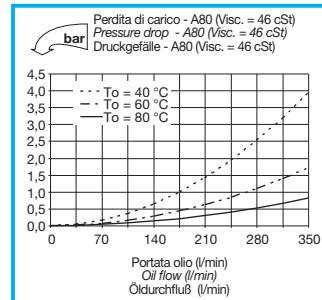
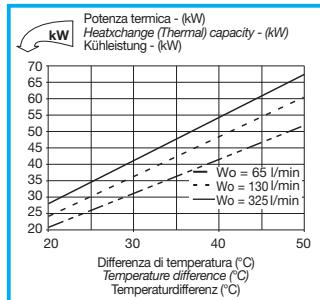
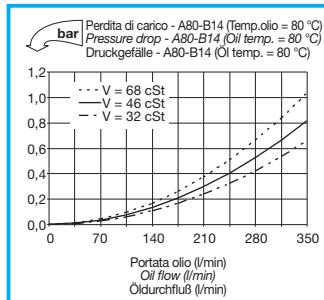
A80

**SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER**

BONDIOLI & PAVESI
FIRA



A80-B14

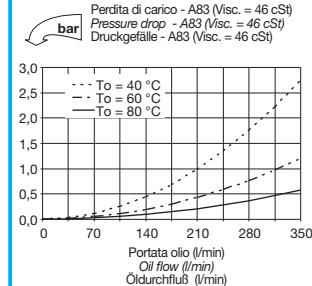
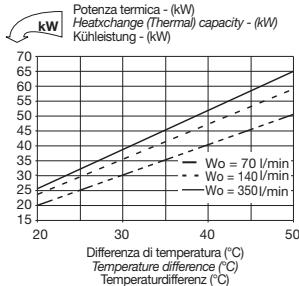
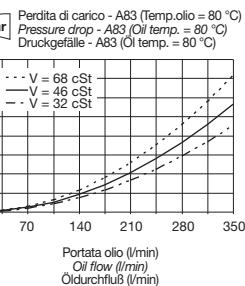
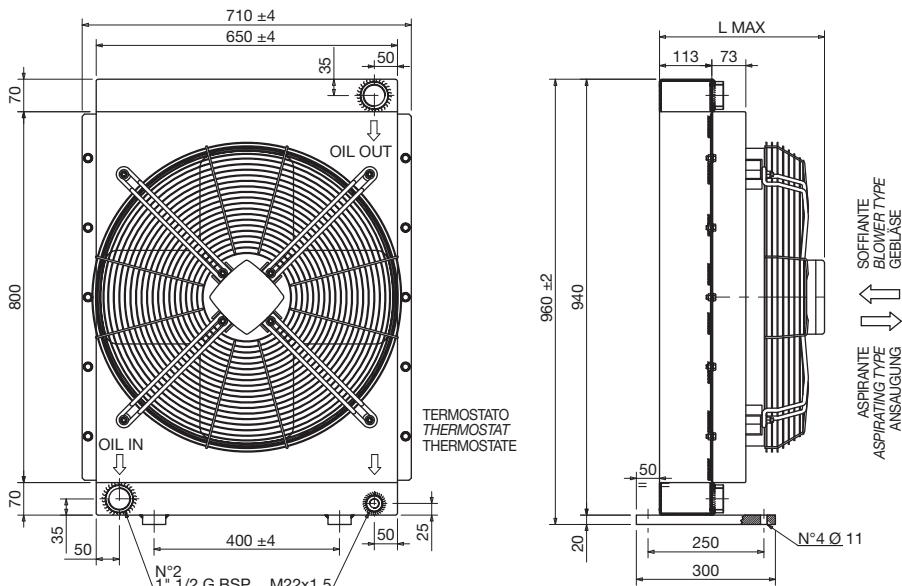


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633150041	SCM A80 1EA 220V-B14	580	750	50	1390	65	458	53,5	18
FR633150042	SCM A80 1ES 220V-B14	580	750	50	1390	65	458	53,5	18
FR633150051	SCM A80 1EA 380V-B14	580	750	50	1390	65	458	53,5	18
FR633150052	SCM A80 1ES 380V-B14	580	750	50	1390	65	458	53,5	18

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärke, Schutzstufe, upm, geräusch.

A83
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


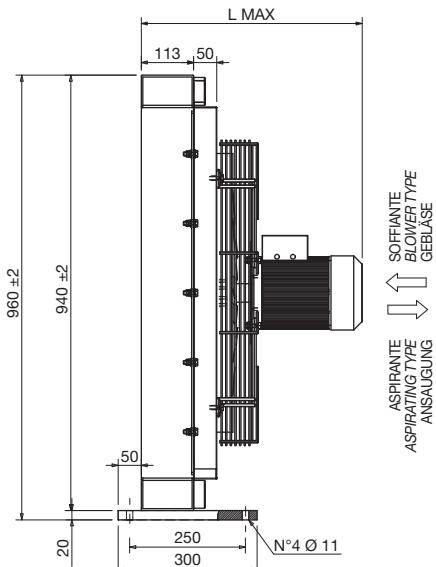
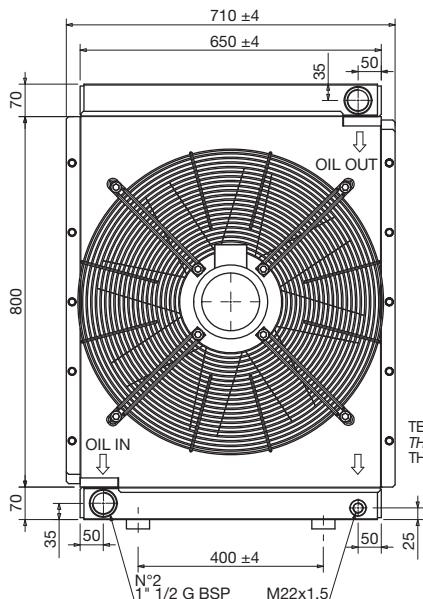
CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633240031	SCM A83 1EA 220V	630	470	50	920	54	359	52	23
			730	60	1030				
FR633240032	SCM A83 1ES 220V	630	630	50	860	54	359	52	23
FR633240021	SCM A83 1EA 380V	630	570	50	900	54	359	52	23
			920	60	990				
FR633240022	SCM A83 1ES 380V	630	570	50	900	54	359	52	23
			920	60	990				

A83

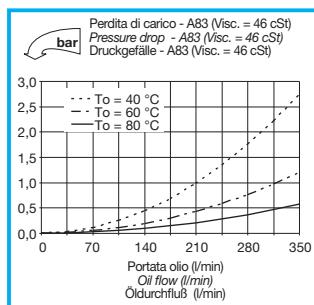
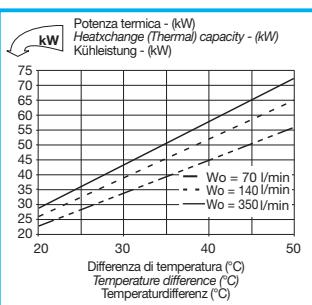
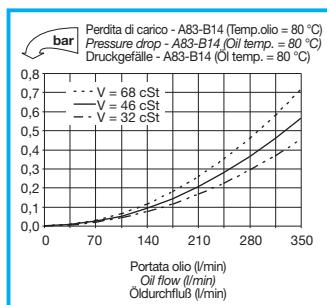
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

BONDIOLI & PAVESI

FIRA

A83-B14

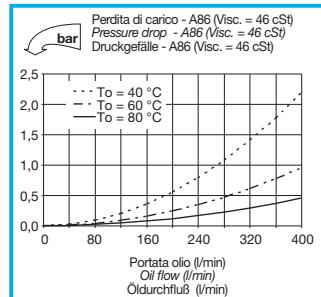
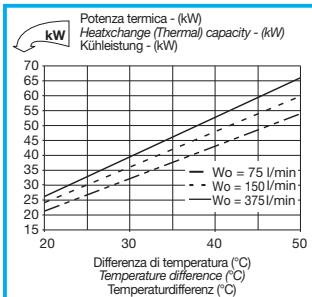
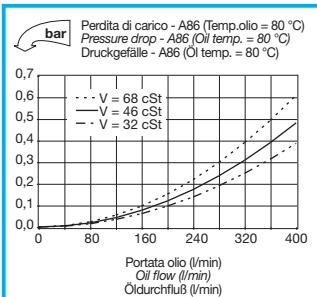
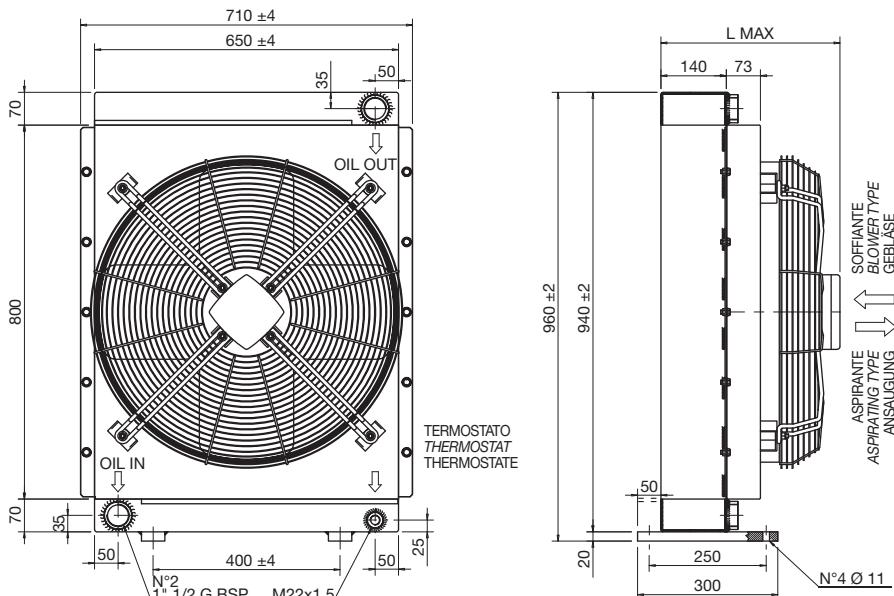


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633240041	SCM A83 1EA 220V-B14	580	750	50	1390	65	477	60,5	23
FR633240042	SCM A83 1ES 220V-B14	580	750	50	1390	65	477	60,5	23
FR633240051	SCM A83 1EA 380V-B14	580	750	50	1390	65	477	60,5	23
FR633240052	SCM A83 1ES 380V-B14	580	750	50	1390	65	477	60,5	23

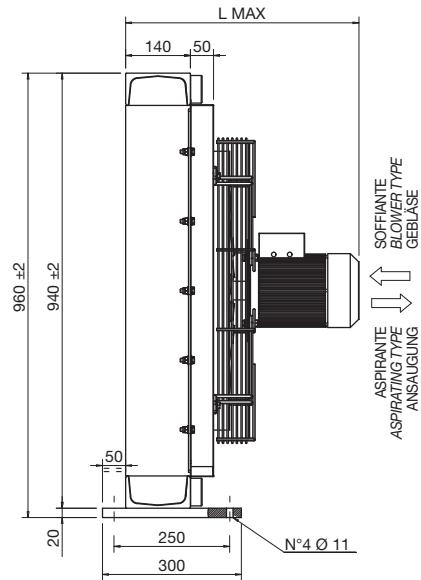
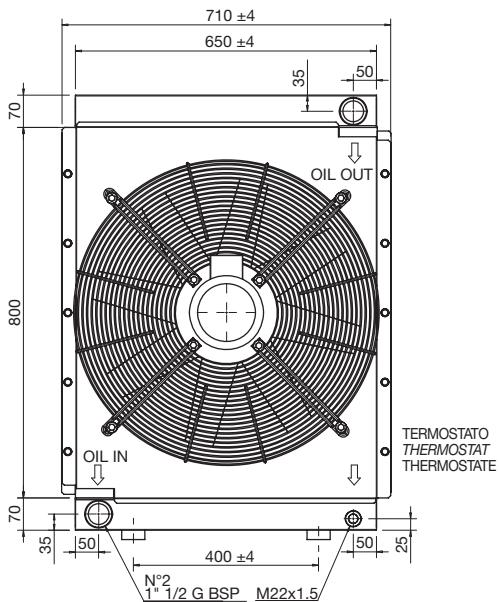
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n'gin e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

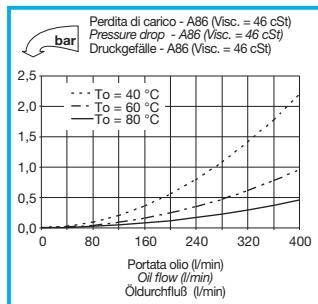
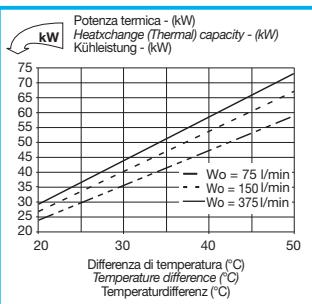
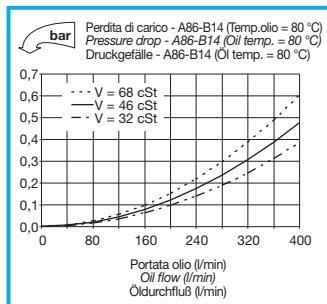
Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärke, Schutzstufe, upm, geräusch.

A86
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633260031	SCM A86 1EA 220V	630	470	50	920	54	383	57	28
			730	60	1030				
FR633260032	SCM A86 1ES 220V	630	630	50	860	54	383	57	28
FR633260021	SCM A86 1EA 380V	630	570	50	900	54	383	57	28
			920	60	990				
FR633260022	SCM A86 1ES 380V	630	570	50	900	54	383	57	28
			920	60	990				



A86-B14

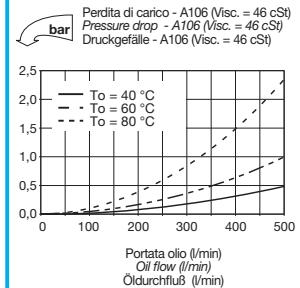
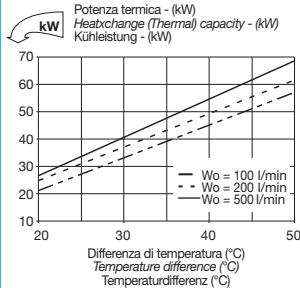
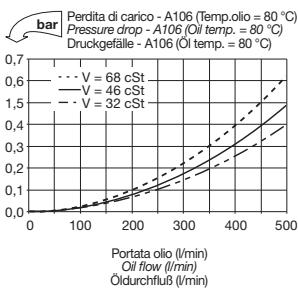
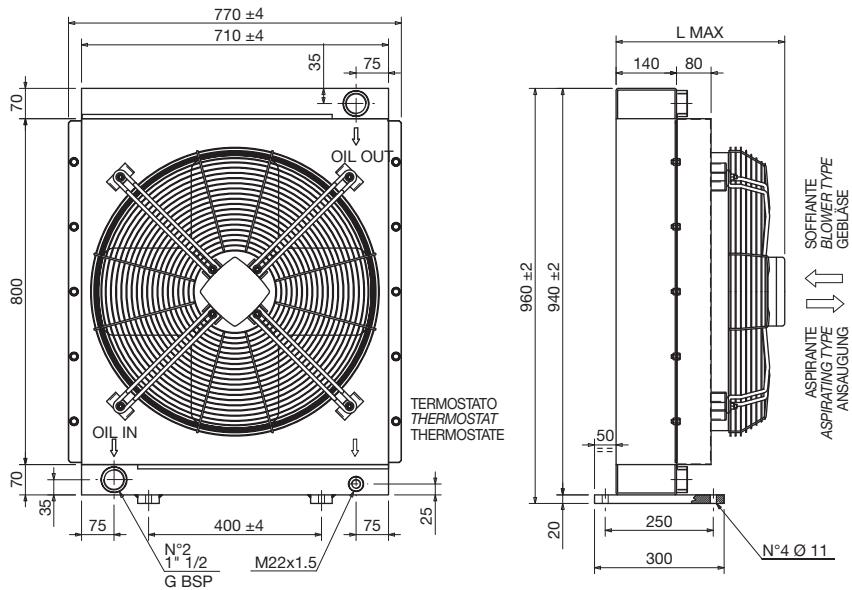


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633260041	SCM A86 1EA 220V-B14	580	750	50	1390	65	504	65,5	28
FR633260042	SCM A86 1ES 220V-B14	580	750	50	1390	65	504	65,5	28
FR633260051	SCM A86 1EA 380V-B14	580	750	50	1390	65	504	65,5	28
FR633260052	SCM A86 1ES 380V-B14	580	750	50	1390	65	504	65,5	28

A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedliche stärker, Schutzstufe, upm, geräusch.

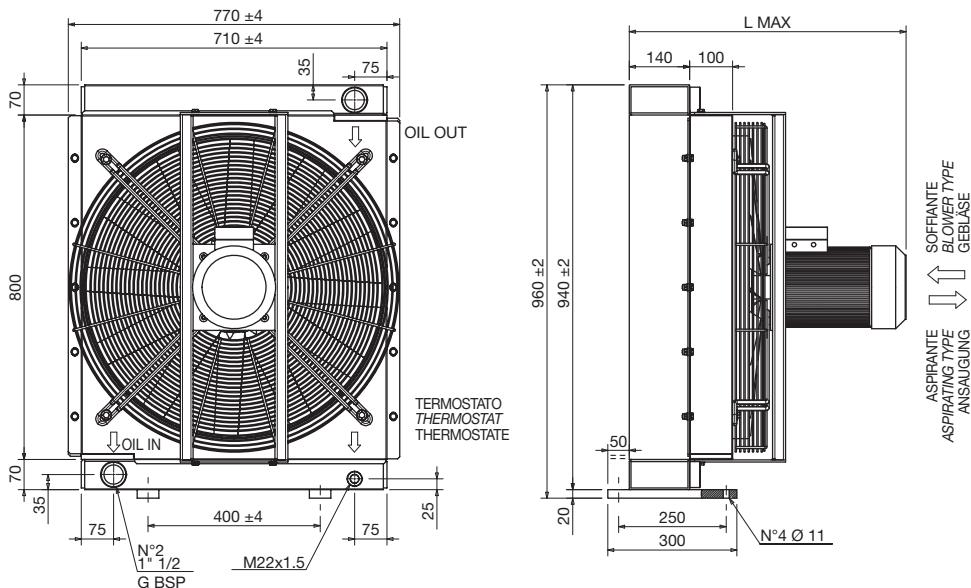
A106
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER


CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER Ø mm	POTENZA ENGINE MOTOR W	FREQUENZA FREQUENCY FREQUENZ Hz	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE IP	L MAX mm	MASSA WEIGHT GEWICHT kg	CAPACITÀ CAPACITY KAPAZITÄT lt
FR633270031	SCM A106 1EA 220V	630	470	50	920	54	390	72	32
			730	60	1030				
FR633270032	SCM A106 1ES 220V	630	630	50	860	54	390	72	32
FR633270021	SCM A106 1EA 380V	630	570	50	900	54	390	72	32
			920	60	990				
FR633270022	SCM A106 1ES 380V	630	570	50	900	54	390	72	32
			920	60	990				

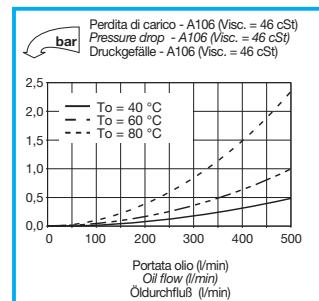
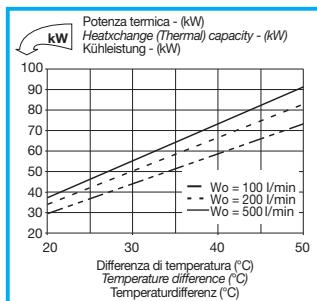
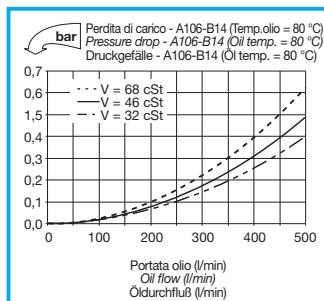
A106

**SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER**

BONDIOLI & PAVESI
FIRA



A106-B14



CODICE CODE BEST.-NR.	TIPO TYPE TYP	VENTOLA FAN LÜFTER	POTENZA ENGINE MOTOR	FREQUENZA FREQUENCY FREQUENZ	min ⁻¹	PROTEZIONE PROTECTION SCHUTZSTUFE	L MAX mm	MASSA WEIGHT GEWICHT	CAPACITÀ CAPACITY KAPAZITÄT
FR633270041	SCM A106 1EA 220V-B14	690	3000	50	1430	65	643	100	32
FR633270042	SCM A106 1ES 220V-B14	690	3000	50	1430	65	643	100	32
FR633270051	SCM A106 1EA 380V-B14	690	3000	50	1430	65	643	100	32
FR633270052	SCM A106 1ES 380V-B14	690	3000	50	1430	65	643	100	32

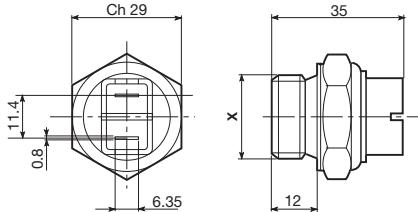
A richiesta sono disponibili scambiatori con motorizzazioni aventi diverse frequenze, voltaggi, gradi di protezione, n°giri e rumorosità.

Under request are available heat exchangers equipped with motors with different frequency, voltage protection level, rpm, noise level.

Kühler sind auf Anfrage verfügbar mit Motoren unterschiedlicher Stärke, Schutzstufe, upm, Geräusch.

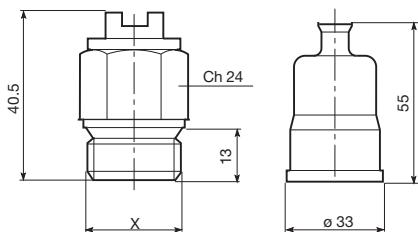
ACCESSORI
ACCESSORIES
ZUBEHÖR

TERMOSTATI
THERMOSTATS
THERMOSTATE



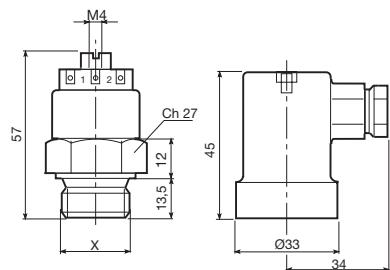
TEMPERATURE DI INTERVENTO (C°) TRIGGER TEMPERATURE (C°) SCHALTTEMPERATUR (C°)	CODICE CODE BEST.-NR.
45 - 35	M22x1,5 FR 361104535
60 - 50	M22x1,5 FR 361106050
80 - 70	M22x1,5 FR 361108070
82 - 68	M22x1,5 FR 361108268
85 - 76	M22x1,5 FR 361108576

TERMOSTATI PROTETTI IP54
IP54 PROTECTED THERMAL SWITCH
GESCHÜTZTE THERMOSTATE IP 54



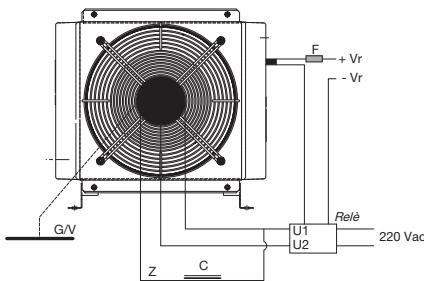
TEMPERATURE DI INTERVENTO (C°) TRIGGER TEMPERATURE (C°) SCHALTTEMPERATUR (C°)	CODICE CODE BEST.-NR.
45 - 35	M22x1,5 FR 361124535
50 - 40	M22x1,5 FR 361125040
60 - 50	M22x1,5 FR 361126050
70 - 60	M22x1,5 FR 361127060
80 - 70	M22x1,5 FR 361128070

TERMOSTATI PROTETTI IP65
IP65 PROTECTED THERMAL SWITCH
GESCHÜTZTE THERMOSTATE IP 65



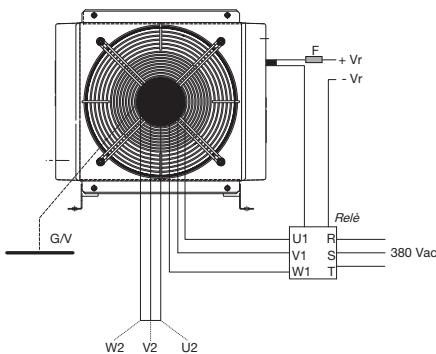
TEMPERATURE DI INTERVENTO (C°) TRIGGER TEMPERATURE (C°) SCHALTTEMPERATUR (C°)	CODICE CODE BEST.-NR.
45 - 35	M22x1,5 FR 361154535
47 - 36	M22x1,5 FR 361155040
60 - 50	M22x1,5 FR 361156050
60 - 50	1/2" G FR 361146050
70 - 60	1/2" G FR 361147060
80 - 70	M22x1,5 FR 361158070

ELETTROVENTOLA IN CORRENTE ALTERNATA MONOFASE 220 V
SINGLE PHASE 220 VOLT AC FAN UNITS
ELEKTRO - LÜFTER MIT 220V WECHSELSTROM



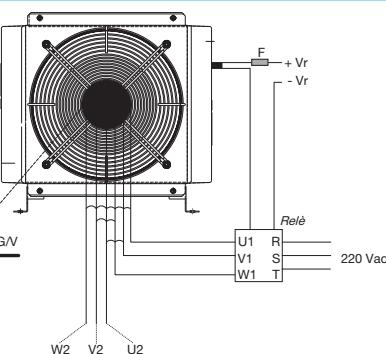
U1	NERO BLACK SCHWARZ	F	Fusibile Fuse Sicherung
U2	VERDE GREEN GRÜN	C	Condensatore 6μF/450V 6μF/450V capacitor Kondensator 6μF/450V
Z	MARRONE BROWN BRAUN	G/V	Terra Ground Erdung
		Vr	Pilotaggio relé Relay pilot circuit Relaisvorsteuerung

ELETTROVENTOLA IN CORRENTE ALTERNATA TRIFASE COLLEGAMENTO A STELLA
THREE PHASE 220/380 VOLT AC FAN UNITS - STAR CONNECTED Y
ELEKTRO - LÜFTER MIT DREIPHASIGEM WECHSELSTROM STERNSCHALTUNG



U1	NERO BLACK SCHWARZ	F	Fusibile Fuse Sicherung
U2	VERDE GREEN GRÜN	G/V	Terra Ground Erdung
V1	AZZURRO LIGHT BLUE BLAU	R.T.S.	Trifase Three phases Drehstrom
V2	BIANCO WHITE WEISS	Vr	Pilotaggio relé Relay pilot circuit Relaisvorsteuerung
W1	MARRONE BROWN BRAUN		
W2	GIALLO YELLOW GELB		

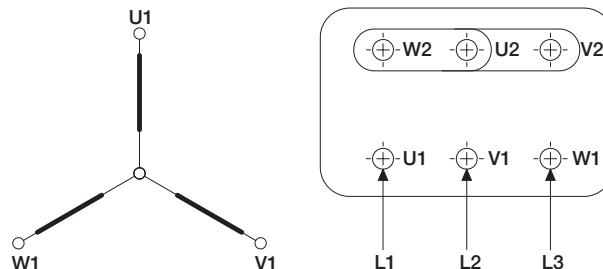
ELETTROVENTOLA IN CORRENTE ALTERNATA TRIFASE COLLEGAMENTO A TRIANGOLO
THREE PHASE 220/380V AC FAN UNITS - DELTA CONNECTED Δ
ELEKTRO - LÜFTER MIT DREIPHASIGEM WECHSELSTROM DREIECKSCHALTUNG



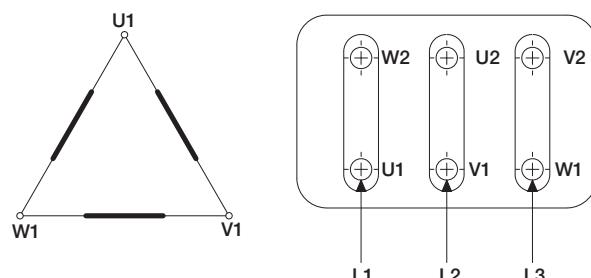
U1	NERO BLACK SCHWARZ	F	Fusibile Fuse Sicherung
U2	VERDE GREEN GRÜN	G/V	Terra Ground Erdung
V1	AZZURRO LIGHT BLUE BLAU	R.T.S.	Trifase Three phases Drehstrom
V2	BIANCO WHITE WEISS	Vr	Pilotaggio relé Relay pilot circuit Relaisvorsteuerung
W1	MARRONE BROWN BRAUN		
W2	GIALLO YELLOW GELB		

CONNESSIONI ELETTRICHE SUGLI SCAMBIATORI
ELECTRICAL CONNECTIONS ON HEAT EXCHANGERS
ELEKTRISCHE VERBINDUNGEN AN DEN WÄRMETAUSCHERN

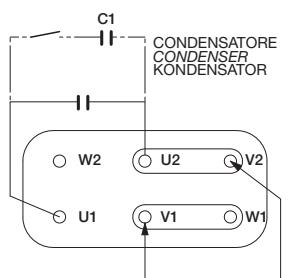
MOTORE ELETTRICO CON FLANGIA B14 IN CORRENTE ALTERNATA TRIFASE COLLEGAMENTO A STELLA
 ELECTRIC MOTOR WITH B14 FLANGE AND THREE PHASE AC - STAR CONNECTED Y
 ELEKTRISCHE MOTOREN B14ER FLANSCHE MIT DREIPOLIGE WECHSELSTROM STERNSCHALTUNG



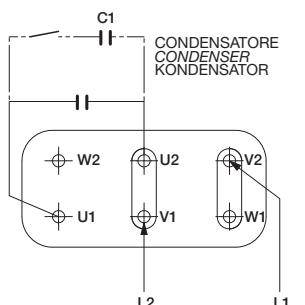
MOTORE ELETTRICO CON FLANGIA B14 IN CORRENTE ALTERNATA TRIFASE COLLEGAMENTO TRIANGOLO
 ELECTRIC MOTOR WITH B14 FLANGE AND THREE PHASE AC - DELTA CONNECTED Δ
 ELEKTRISCHE MOTOREN B14ER FLANSCHE MIT DREIPOLIGE WECHSELSTROM DREIECKSCHALTUNG



COLLEGAMENTO PER MOTORI A FLANGIA B14 220V
 SINGLE - PHASE ELECTRIC MOTOR WITH B14 FLANGE
 VERBINDUNG DER B14ER FLANSCHEN MOTOREN MIT 220V



ROTAZIONE IN UN SENSO
 ROTATION IN ONE DIRECTION
 EINE DREHRICHTUNG



ROTAZIONE IN SENSO OPPOSTO
 ROTATION IN THE OPPOSITE DIRECTION
 WECHSELLAUF

Nota: Il condensatore C1 aggiuntivo si applica solamente in quei motori il cui utilizzo richiede una coppia di spunto molto alta.

Note: Additional condenser C1 is applied only on motors to be used with a very high static torque.

Note: Der C1 Kondensator wird nur in den motoren angewendet die eine sehr grobe drehmoment haben.