SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

AZIONAMENTO IDRAULICO
HYDRAULIC DRIVEN
HYDRAULISCHER ANTRIEB

HY012

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INHALTSVERZEICHNIS

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 saldobrasati, 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 marmitte 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 aluminium 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 possible 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).
Integreted 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 Aluminiumlegierung mit Schweißlötung gefertigt, ein modernes Produktionsverfahren, das eine hohe Zuverlässigkeit der Produkte gewährleistet.
Form und Größe der Kühlrippen mit Luftkontakt und der innenliegenden Öldurchläufe sind so projektiert, daß die maximale Leistungsabgabe des Systems sichergestellt wird. Die sorgfältig ausgewählten Elektrolüfter, 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 Luftzirkulation 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

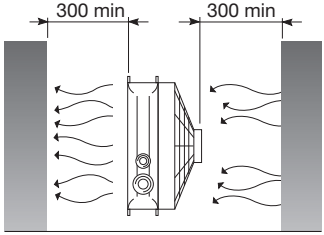
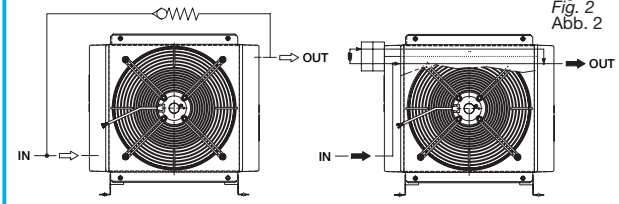


Fig. 2
Fig. 2
Abb. 2



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

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 scambiatore 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 Wärmetaüscher 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:
• Schutzvorrichtungen 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 Schutzvorrichtungen vorzusehen oder schwer erreichbare Positionen auszuwählen;
• Eingriffe am Hydraulikmotor nur nach Abnahme der Leitungen vornehmen.

ISTRUZIONI PER L'ORDINAZIONE
ORDERING INSTRUCTIONS
BESTELLANLEITUNG

SCM A46 | **IA** | **PRED** | **GR2** | **_**

PRODOTTO
PRODUCT
PRODUKT

SCM A20 - SCM A22
SCM A26 - SCM A31
SCM A35 - SCM A46
SCM A48 - SCM A50
SCM A56 - SCM A60
SCM A65 - SCM A70
SCM A75 - SCM A80
SCM A83 - SCM A86
SCM A106

VERSIONE
VERSION
AUSFÜHRUNG

IA - IDRAULICO ASPIRANTE
HYDRAULIC ASPIRATING
HYDRAULISCH, SAUGEND

IS - IDRAULICO SOFFIANTE
HYDRAULIC BLOWING
HYDRAULISCH, BLASEND

CONFIGURAZIONE
FAN UNIT TYPE
LÜFTERTYP

PRED. - CON SUPPORTO TIROCINGHIA
WITH BELT-PULLEY SUPPORT
MIT LAGER FÜR RIEMENANTRIEB

MOT. IDR. - CON MOTORE CON SUPPORTO INTEGRATO
WITH MOTOR WITH INTEGRATED BELT-PULLEY SUPPORT
MIT ÖLMOTOR MIT INTEGRIERTEM LAGER

GRUPPO
GROUP
BAUGRÖSSE

OPZIONI
OPTIONS
OPTIONEN

P - CON PIEDINI
WITH FEET
MIT FÜSSEN
S - FILETTATURE A NORME UNF
UNF THREADED
ÖFFNUNGEN MIT STANDARD UNF GEWINDE
B - *BY-PASS*

NOTA:
Lo scambiatore non prevede di serie il termostato e i piedini. Vedere per i piedini ogni singolo modello. Riferirsi a pag. 22 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 22 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 22 sind Infos ueber Zubehör, Auswahlmöglichkeiten und Bestellnummern fu finden.

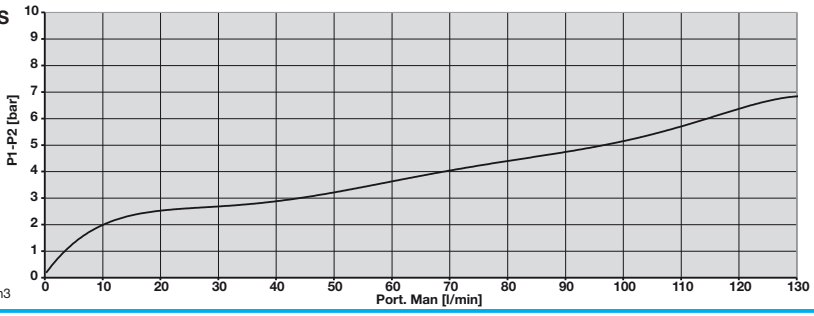
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL

6K01040K000006

Temperatura: 60°C
Olio: Ergoline H32
Viscosità 40°C: 32 cSt
Densità: 0,870 kg/dm3

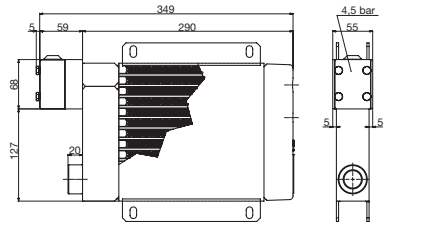
Temperature: 60°C
Oil: Ergoline H32
Viscosity 40°C: 32 cSt
Density: 0,870 kg/dm3

Temperatur: 60°C
Öl: Ergoline H32
Viscosität 40°C: 32 cSt
Besatzdichte: 0,870 kg/dm3



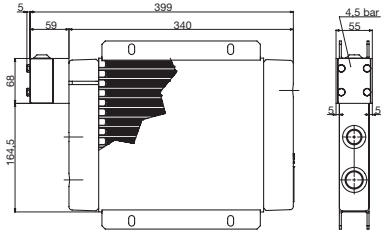
A16

VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



A20

VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



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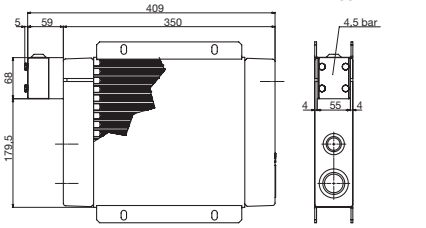
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



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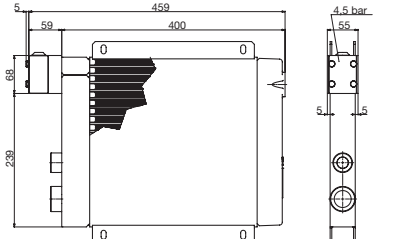
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



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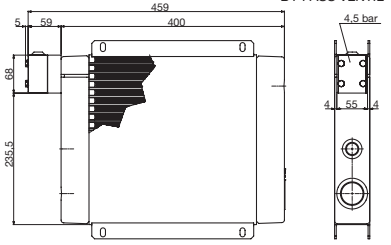
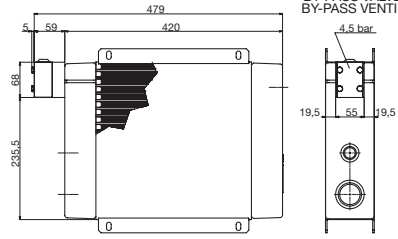
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



A35

VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



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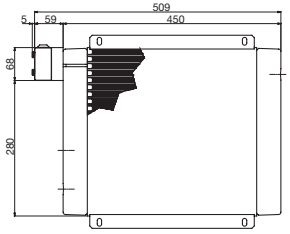
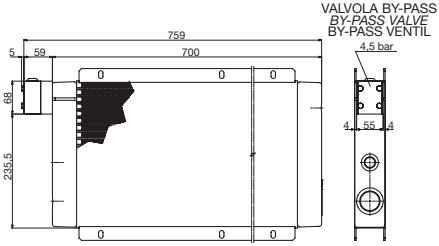
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



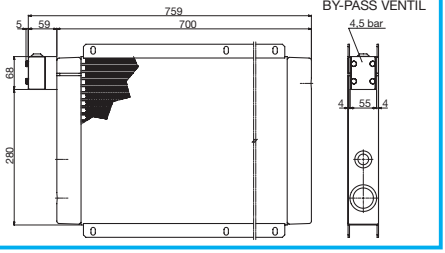
A48

VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



A50

VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



A56

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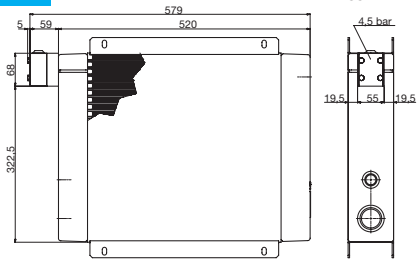
BY-PASS VALVE
BY-PASS VENTIL



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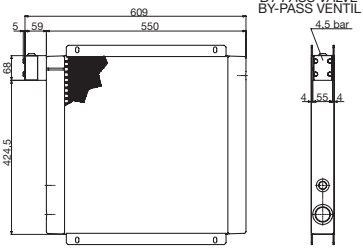
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL



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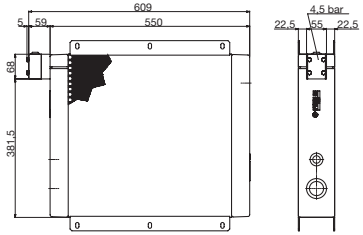
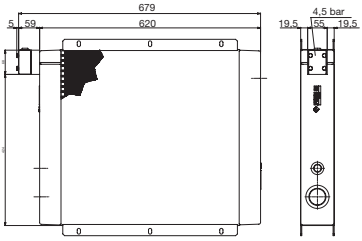
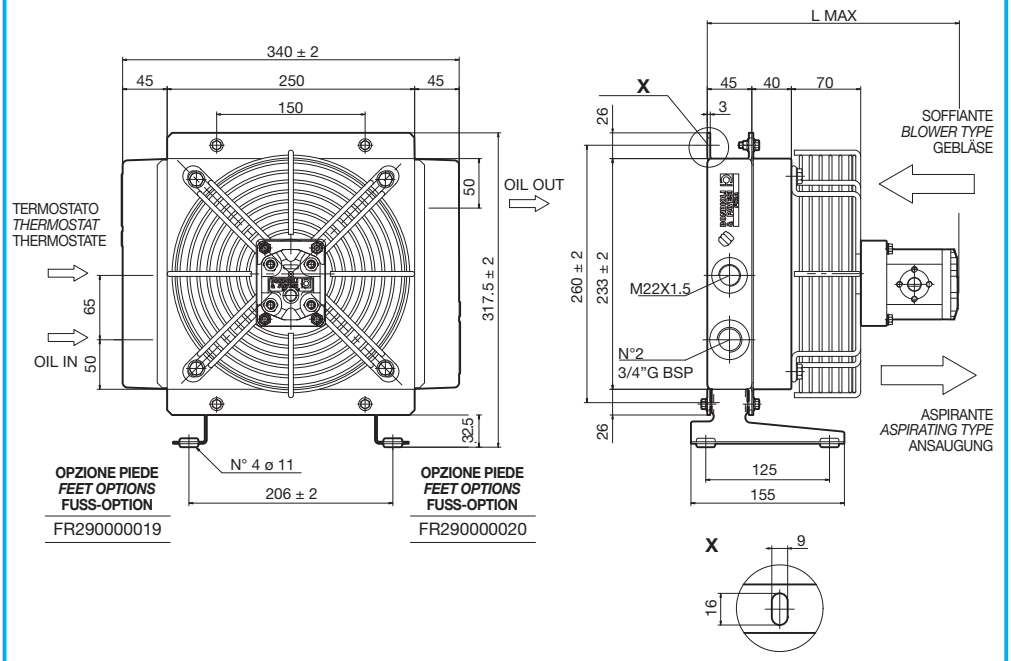
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL

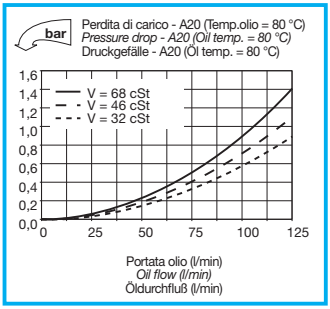


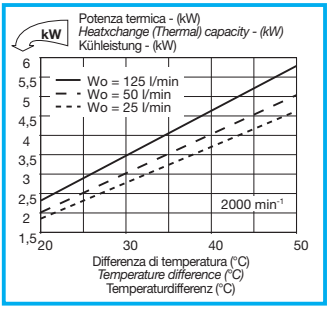
A70

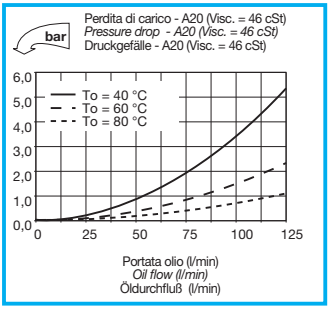
VALVOLA BY-PASS
BY-PASS VALVE
BY-PASS VENTIL







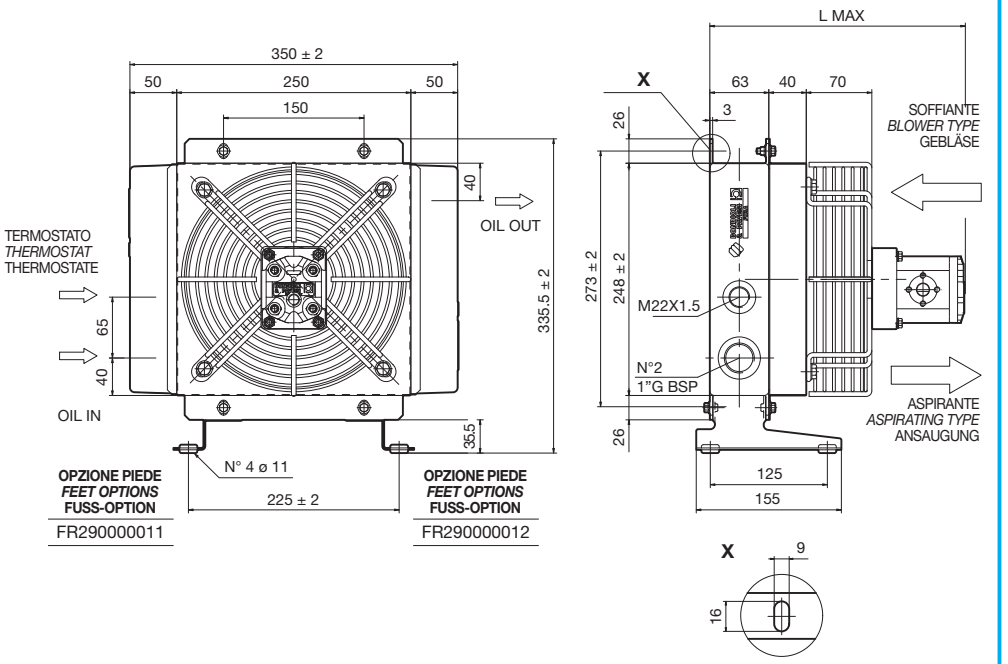


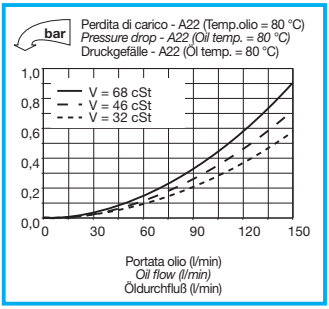


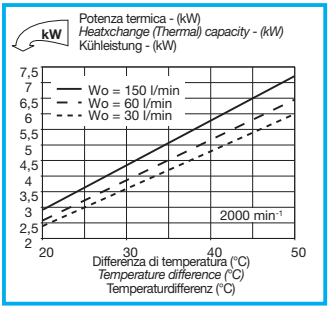
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634030011	SCM A20 IA PRED. GR1	220	—	195	6	1,45
FR634030012	SCM A20 IS PRED. GR1	220	—	195	6	1,45
FR634030013	SCM A20 IA MOT. IDR. GR1	220	6	255	7	1,45
FR634030014	SCM A20 IS MOT. IDR. GR1	220	6	255	7	1,45

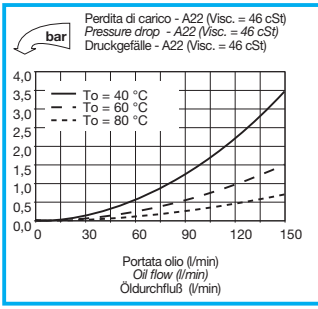
A22

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER









CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
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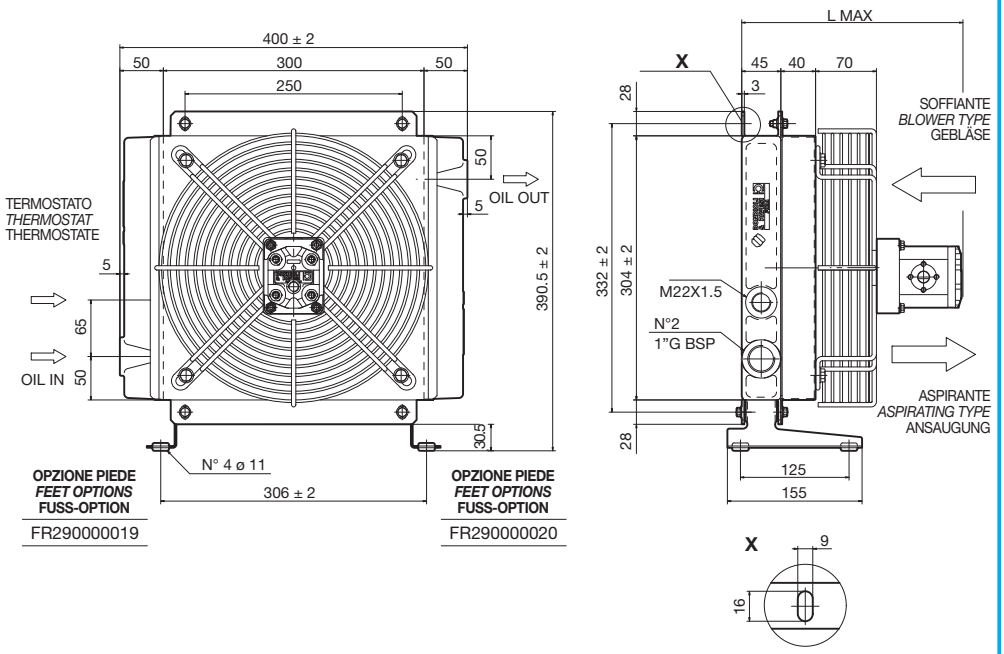
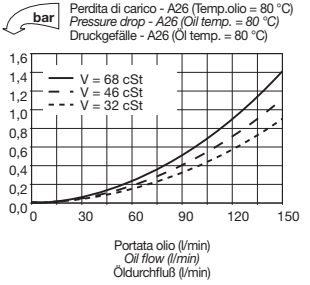
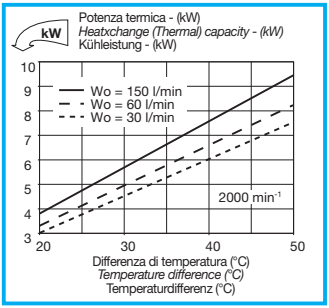
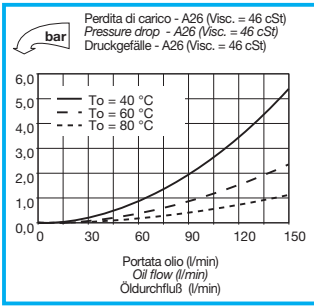
FR634110012	SCM A22 IS PRED. GR1	220	—	215	8	1,7
FR634110013	SCM A22 IA MOT. IDR. GR1	220	6	275	9	1,7
FR634110014	SCM A22 IS MOT. IDR. GR1	220	6	275	9	1,7









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FR634130012	SCM A26 IS PRED. GR1	290	—	195	9	2,3
FR634130013	SCM A26 IA MOT. IDR. GR1	290	6	255	10	2,3
FR634130014	SCM A26 IS MOT. IDR. GR1	290	6	255	10	2,3

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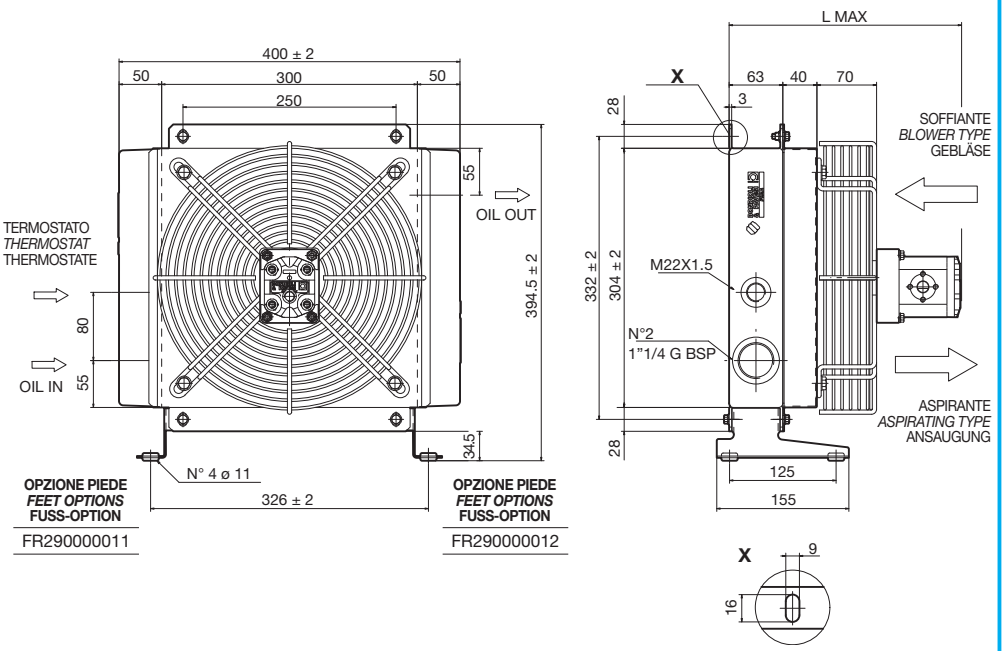
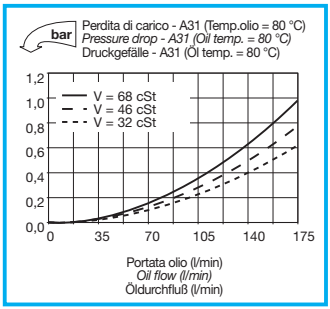
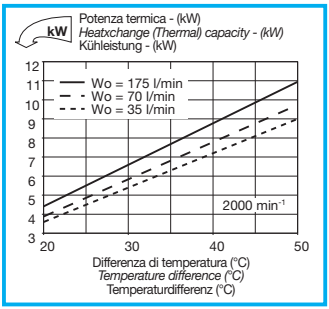
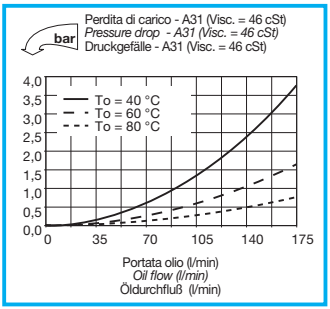
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

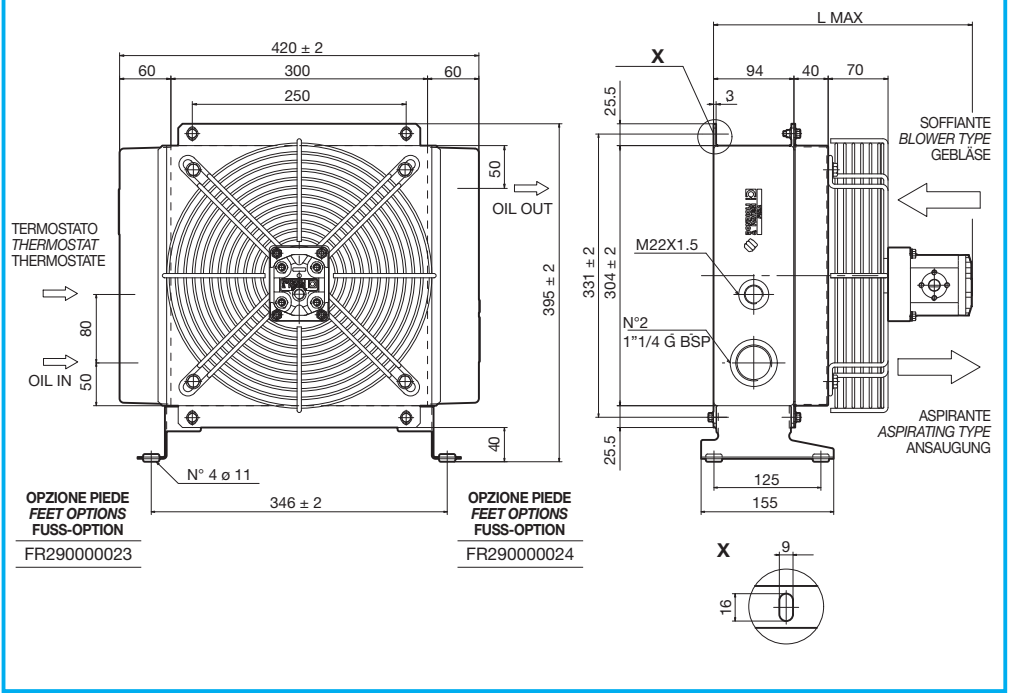


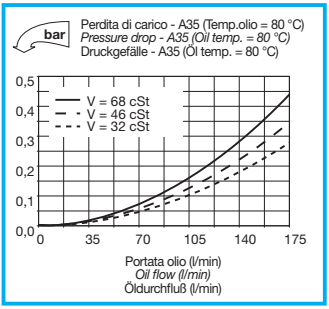


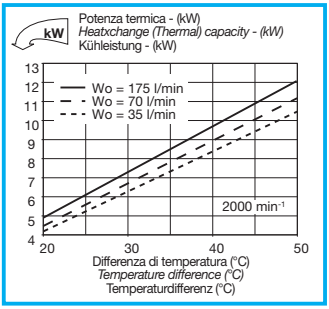


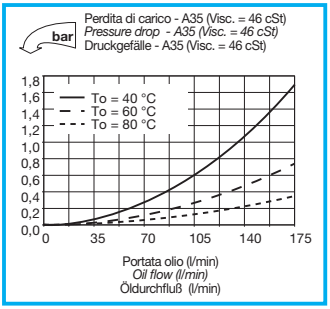


CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634170011	SCM A31 IA PRED. GR1	290	—	215	13	3,2
FR634170012	SCM A31 IS PRED. GR1	290	—	215	13	3,2
FR634170013	SCM A31 IA MOT. IDR. GR1	290	6	275	14	3,2
FR634170014	SCM A31 IS MOT. IDR. GR1	290	6	275	14	3,2





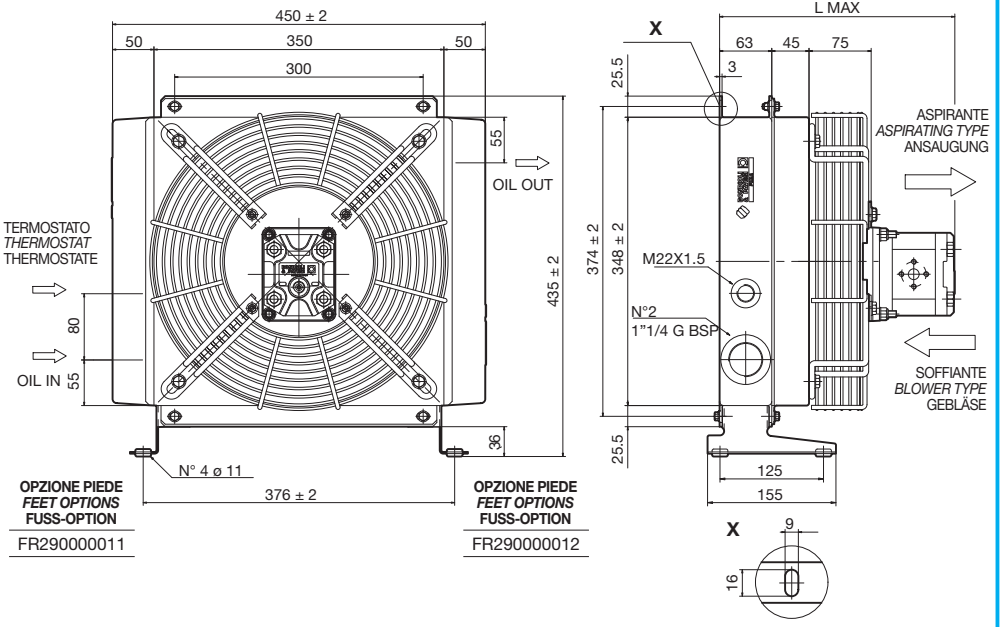


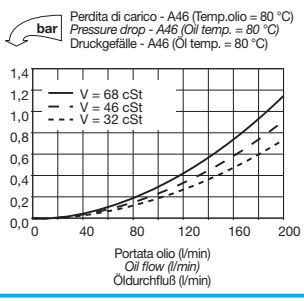


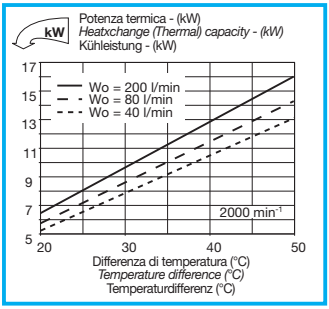
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634060011	SCM A35 IA PRED. GR1	290	—	250	17	4,8
FR634060012	SCM A35 IS PRED. GR1	290	—	250	17	4,8
FR634060013	SCM A35 IA MOT. IDR. GR1	290	6	305	18	4,8
FR634060014	SCM A35 IS MOT. IDR. GR1	290	6	305	18	4,8

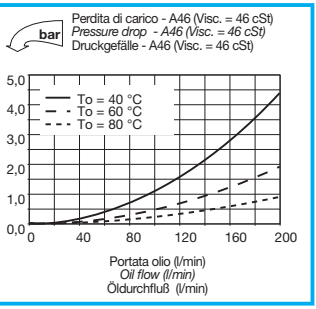
A46

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER







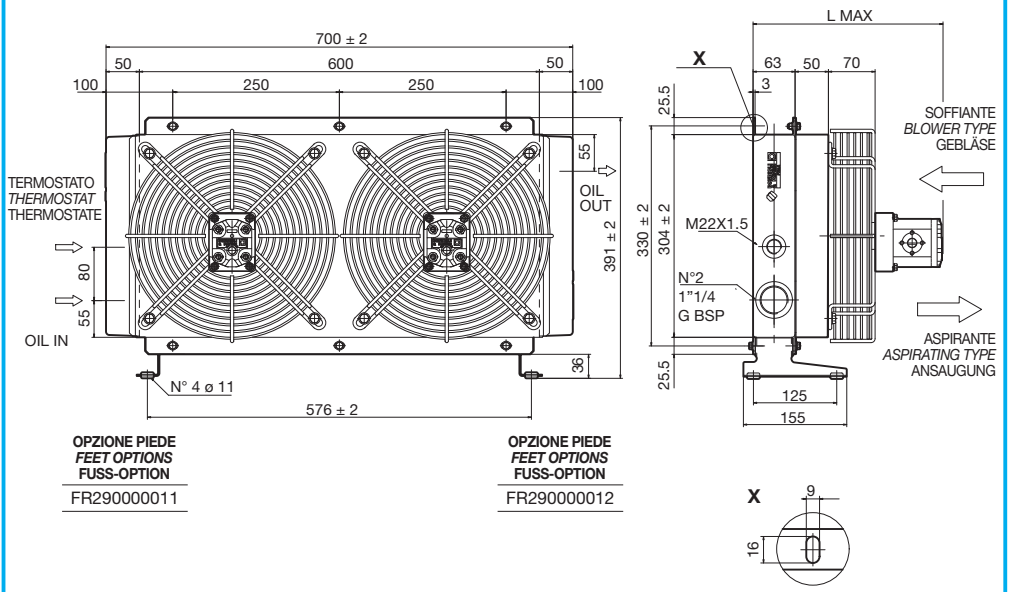


CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634200001	SCM A46 IA PRED. GR2	340	—	225	14	4
FR634200002	SCM A46 IS PRED. GR2	340	—	225	14	4
FR634200003	SCM A46 IA MOT. IDR. GR2	340	6	285	15	4
FR634200004	SCM A46 IS MOT. IDR. GR2	340	6	285	15	4

A48

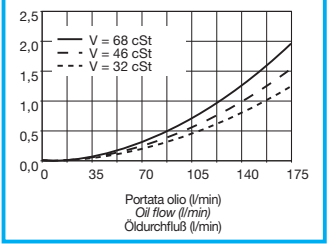
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

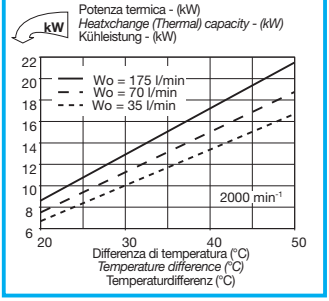
BONDIOLI & PAVESI FIRA

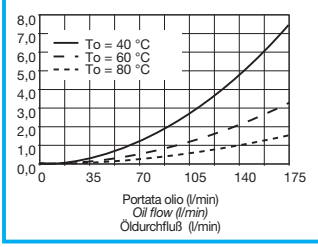


OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION
FR290000011

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION
FR290000012



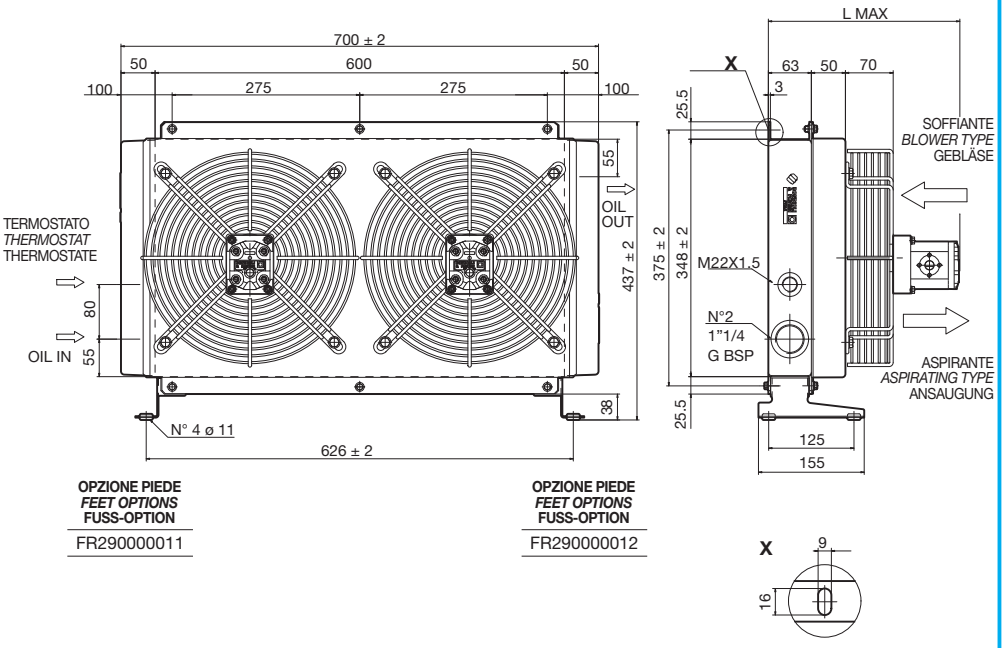




CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634210001	SCM A48 IA PRED. GR1	2X290	—	230	18	3,2
FR634210002	SCM A48 IS PRED. GR1	2X290	—	230	18	3,2
FR634210003	SCM A48 IA MOT. IDR. GR1	2X290	6	285	19	3,2
FR634210004	SCM A48 IS MOT. IDR. GR1	2X290	6	285	19	3,2

A50

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

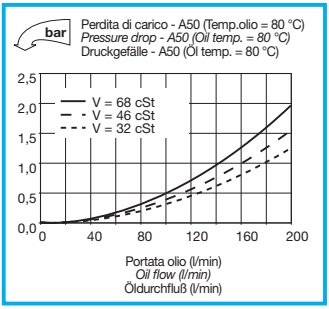


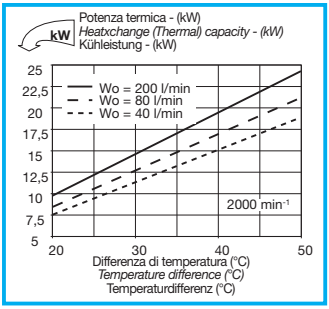
OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION

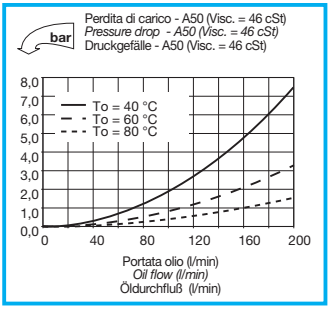
FR290000011

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION

FR290000012





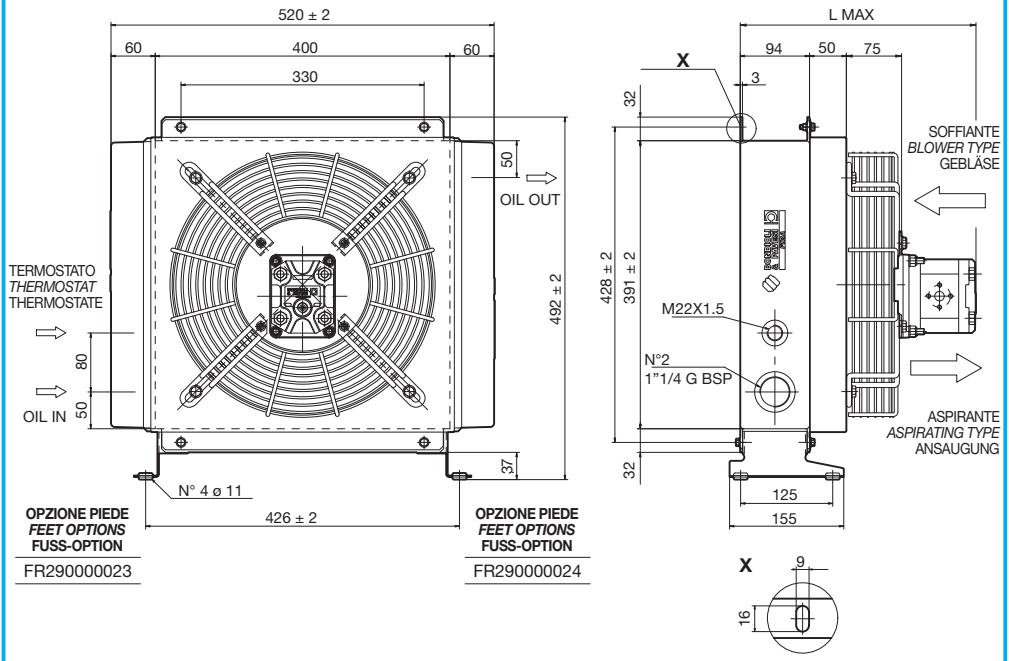


CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634100011	SCM A50 IA PRED. GR1	2X290	—	230	20	3,4
FR634100012	SCM A50 IS PRED. GR1	2X290	—	230	20	3,4
FR634100013	SCM A50 IA MOT. IDR. GR1	2X290	6	285	21	3,4
FR634100014	SCM A50 IS MOT. IDR. GR1	2X290	6	285	21	3,4

A56

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

BONDIOLI & PAVESI FIRA



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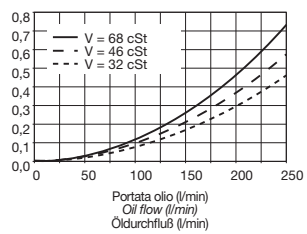
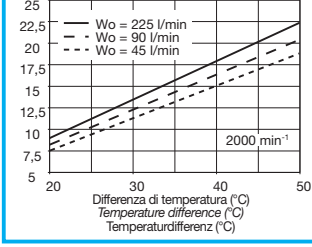
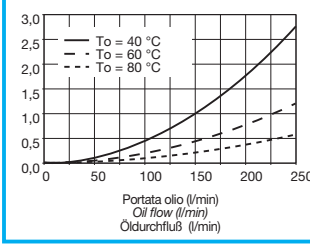
FUSS-OPTION
FR290000023

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION
FR290000024



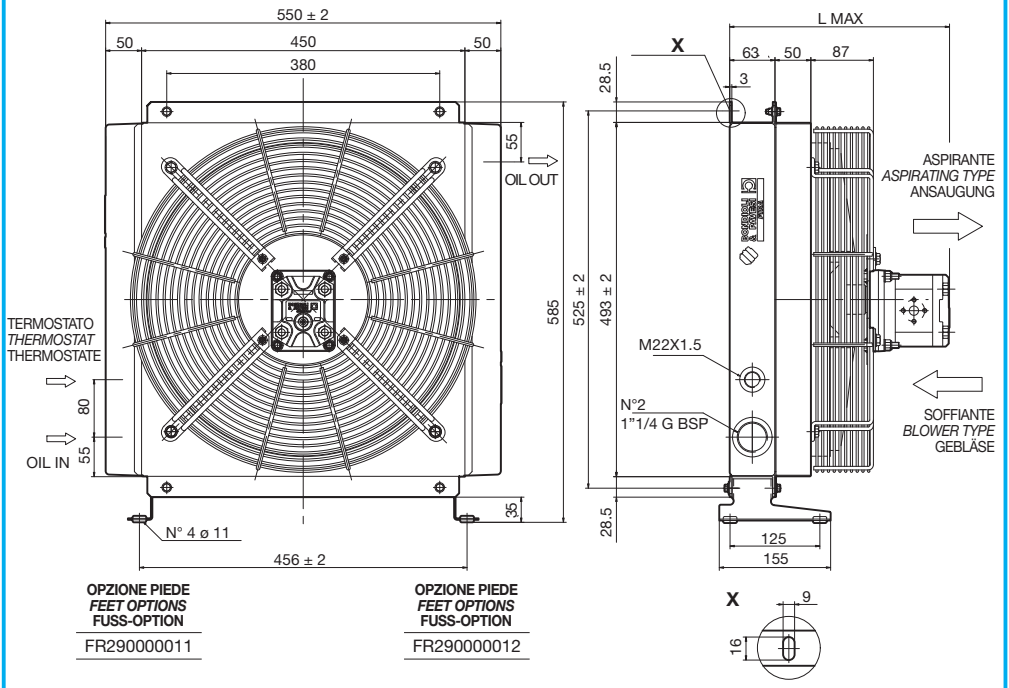




CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634220001	SCM A56 IA PRED. GR2	340	—	260	18	7,5
FR634220002	SCM A56 IS PRED. GR2	340	—	260	18	7,5
FR634220003	SCM A56 IA MOT. IDR. GR2	340	6	320	19	7,5
FR634220004	SCM A56 IS MOT. IDR. GR2	340	6	320	19	7,5

A60

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

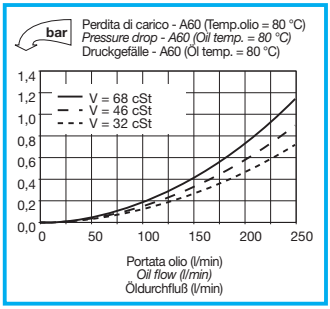


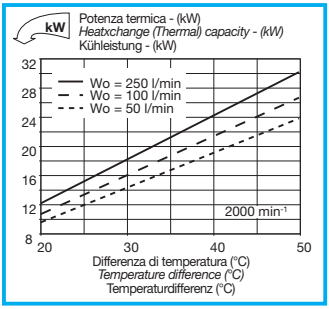
OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION

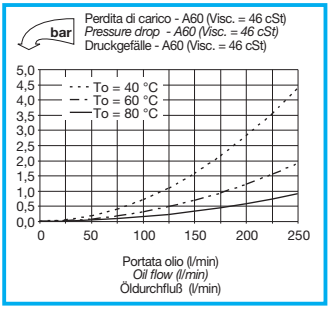
FR290000011

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION

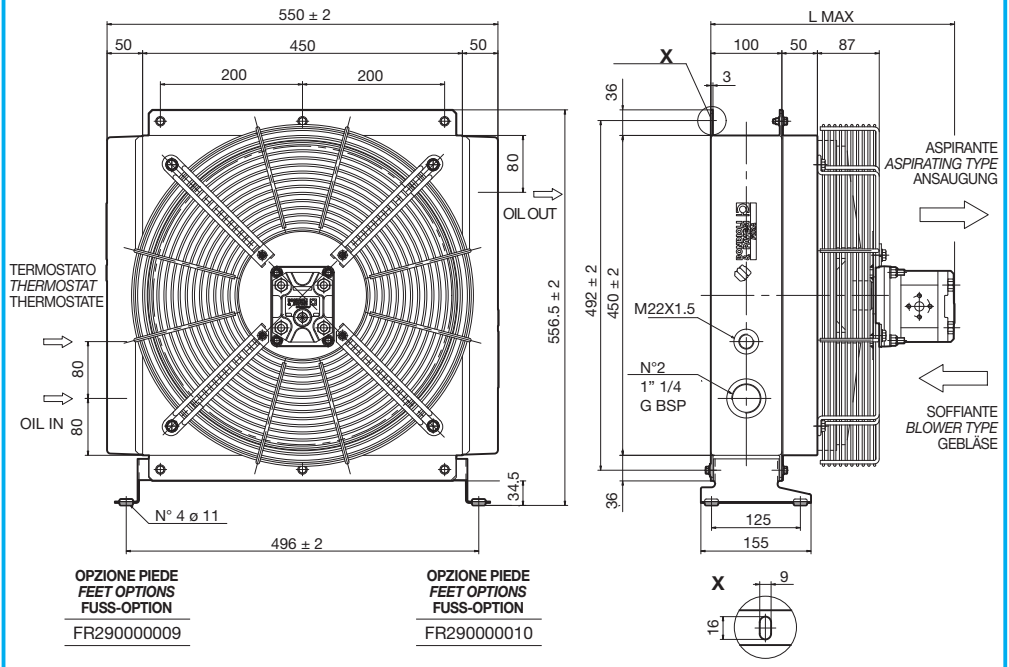
FR290000012







CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634090011	SCM A60 IA PRED. GR2	420	—	250	20	5,7
FR634090012	SCM A60 IS PRED. GR2	420	—	250	20	5,7
FR634090013	SCM A60 IA MOT. IDR. GR2	420	6	310	21	5,7
FR634090014	SCM A60 IS MOT. IDR. GR2	420	6	310	21	5,7



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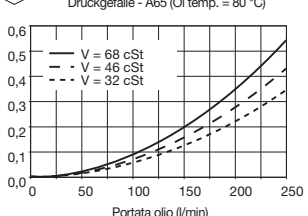
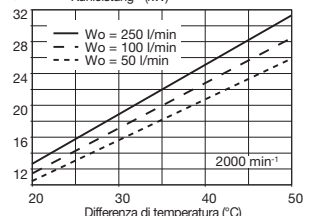
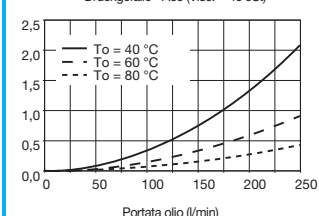
FUSS-OPTION
FR290000009

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION
FR290000010



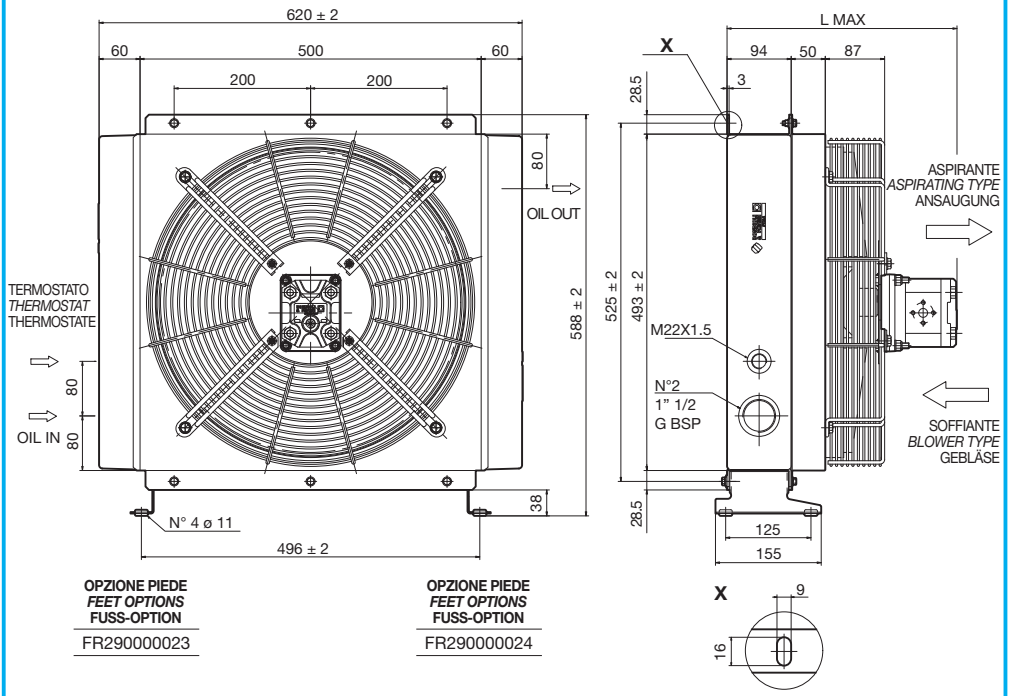




CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634120004	SCM A65 IA PRED. GR2	420	—	285	23	8,5
FR634120006	SCM A65 IS PRED. GR2	420	—	285	23	8,5
FR634120013	SCM A65 IA MOT. IDR. GR2	420	6	345	24	8,5
FR634120014	SCM A65 IS MOT. IDR. GR2	420	6	345	24	8,5

A70

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER



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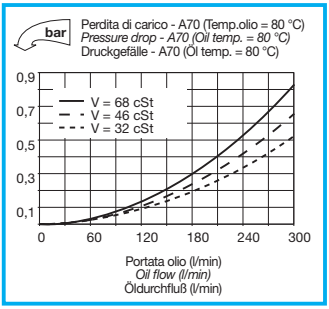
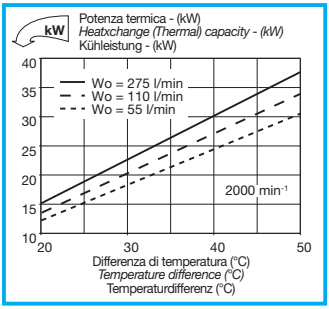
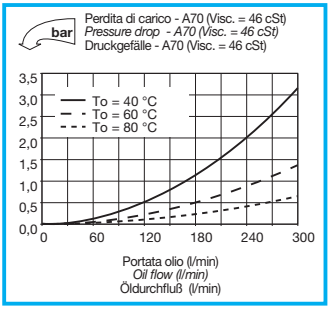
FUSS-OPTION
FR290000023

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION
FR290000024





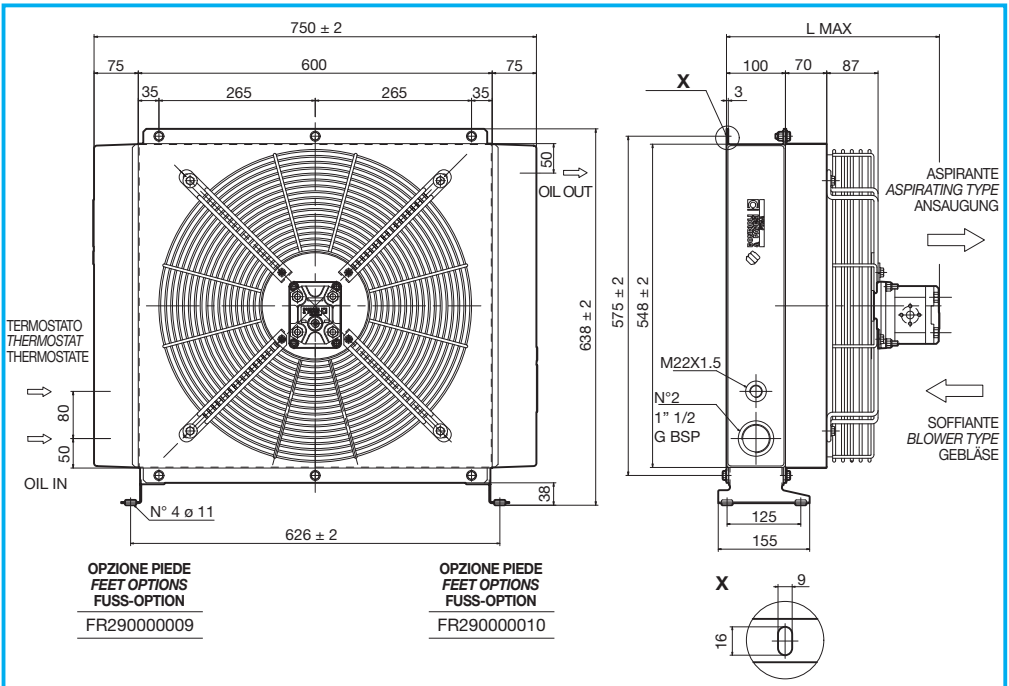


CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634230001	SCM A70 IA PRED. GR2	440	—	280	25	10,5
FR634230002	SCM A70 IS PRED. GR2	440	—	280	25	10,5
FR634230003	SCM A70 IA MOT. IDR. GR2	440	6	340	26	10,5
FR634230004	SCM A70 IS MOT. IDR. GR2	440	6	340	26	10,5

A75

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

BONDIOLI & PAVESI FIRA



OPZIONE PIEDE
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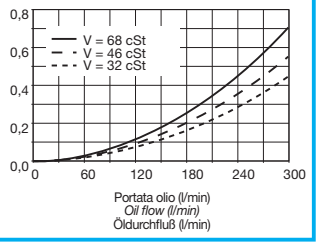
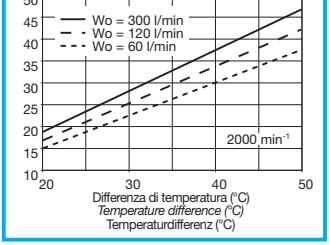
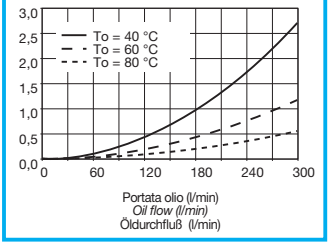
FUSS-OPTION
FR290000009

OPZIONE PIEDE
FEET OPTIONS
FUSS-OPTION
FR290000010



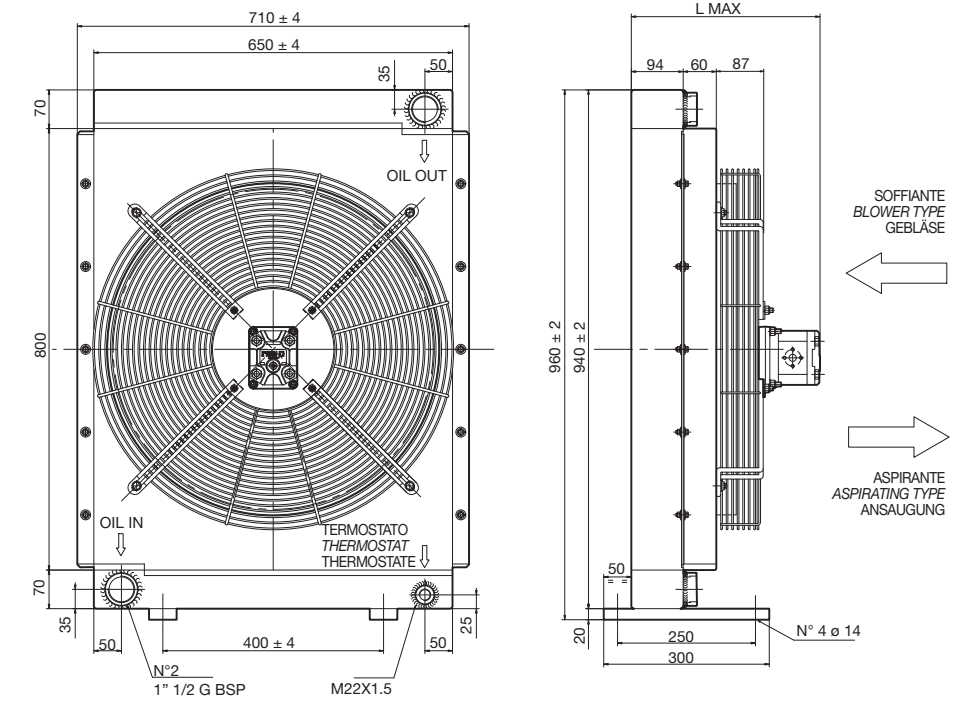


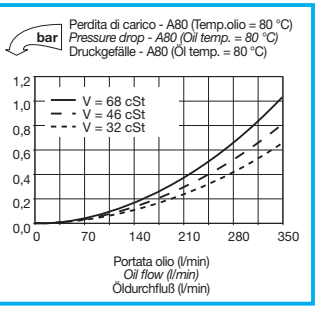


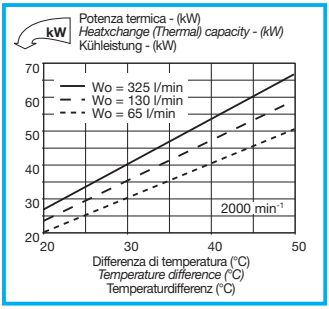
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634140003	SCM A75 IA PRED. GR2	500	—	305	26	14
FR634140004	SCM A75 IS PRED. GR2	500	—	305	26	14
FR634140013	SCM A75 IA MOT. IDR. GR2	500	11	365	27	14
FR634140014	SCM A75 IS MOT. IDR. GR2	500	11	365	27	14

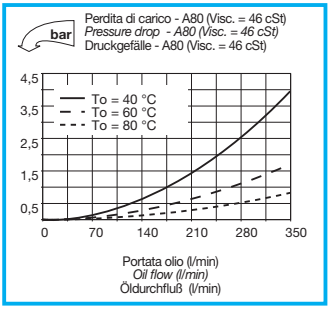
A80

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER







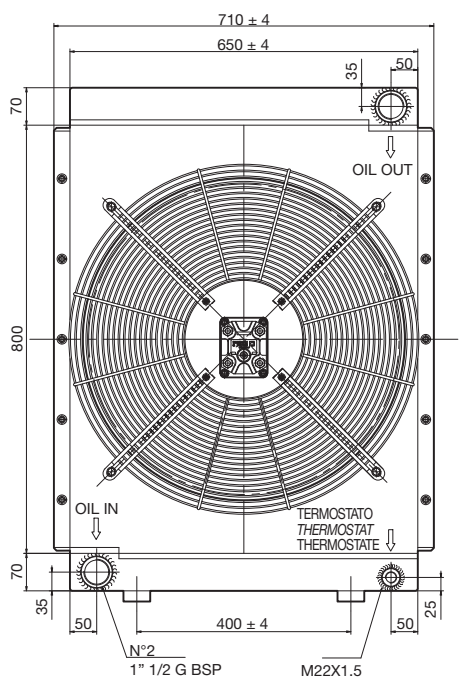


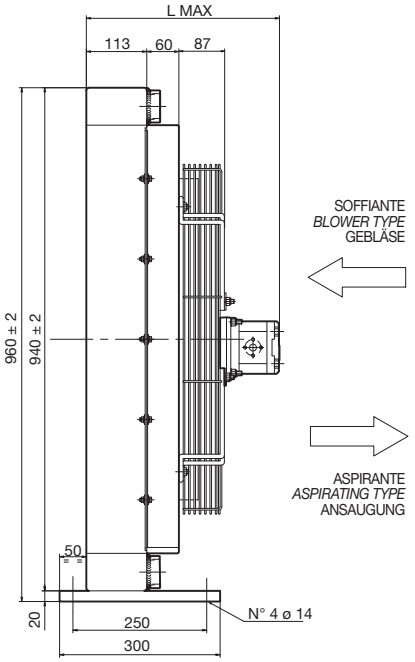
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634150003	SCM A80 IA PRED. GR2	580	—	280	46	18
FR634150004	SCM A80 IS PRED. GR2	580	—	280	46	18
FR634150013	SCM A80 IA MOT. IDR. GR2	580	11	340	47	18
FR634150014	SCM A80 IS MOT. IDR. GR2	580	11	340	47	18

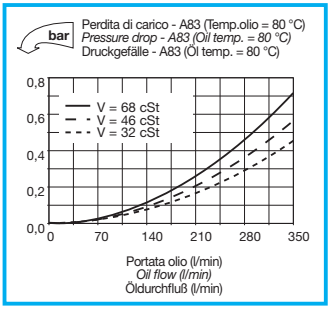
A83

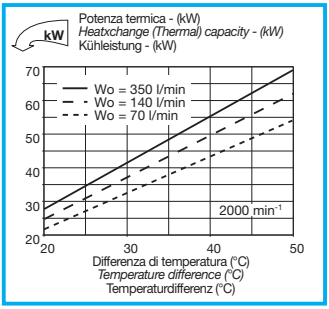
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

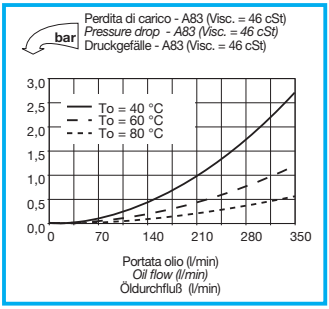
BONDIOLI & PAVESI FIRA







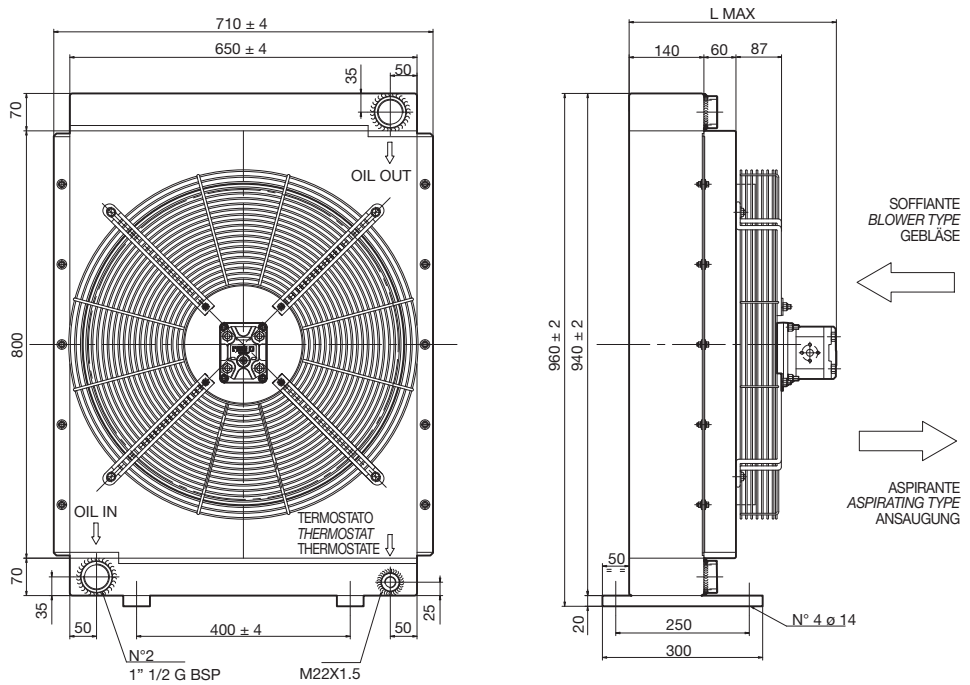


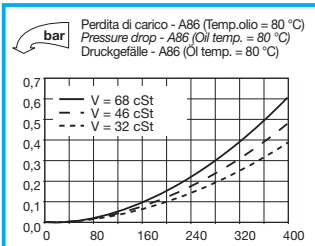


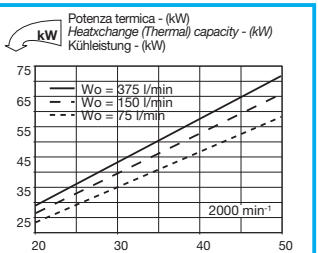
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634240001	SCM A83 IA PRED. GR2	580	—	300	53	23
FR634240002	SCM A83 IS PRED. GR2	580	—	300	53	23
FR634240013	SCM A83 IA MOT. IDR. GR2	580	11	360	54	23
FR634240014	SCM A83 IS MOT. IDR. GR2	580	11	360	54	23

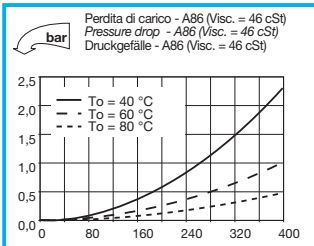
A86

SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER







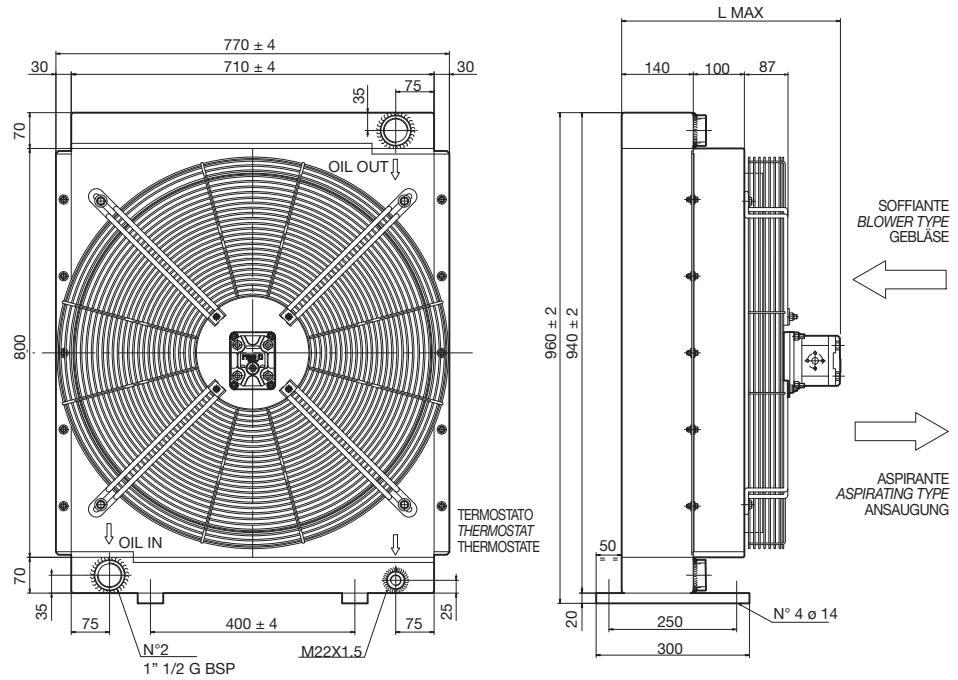


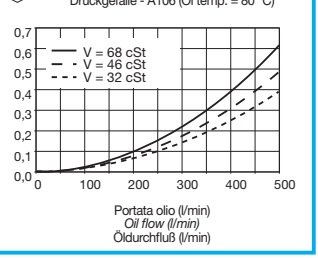
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634260003	SCM A86 IA PRED. GR2	580	—	330	58	28
FR634260004	SCM A86 IS PRED. GR2	580	—	330	58	28
FR634260013	SCM A86 IA MOT. IDR. GR2	580	11	390	59	28
FR634260014	SCM A86 IS MOT. IDR. GR2	580	11	390	59	28

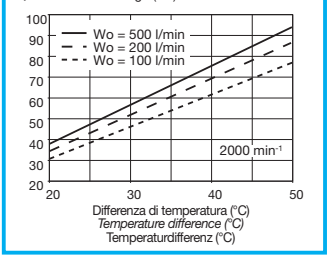
A106

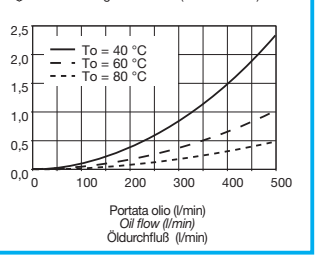
SCAMBIATORI DI CALORE IN ALLUMINIO
ALUMINIUM HEAT EXCHANGERS
ALUMINIUM WÄRMETAUSCHER

BONDIOLI & PAVESI FIRA



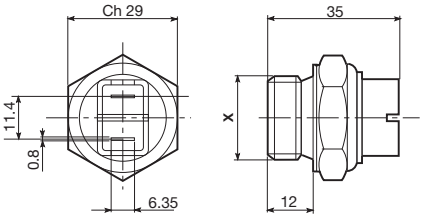






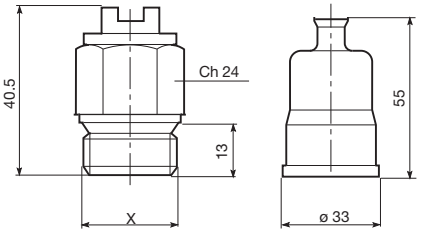
CODICE *CODE* BEST.-NR.	TIPO *TYPE* TYP	DIAMETRO VENTOLA *FAN DIAMETER* LÜFTERS-DURCHMESSER mm	CILINDRATA MOTORE *DISPLACEMENT MOTORS* FÖRDERVOLUMEN MOTOR cm³/h	L MAX mm	MASSA *WEIGHT* GEWICHT kg	CAPACITÀ *CAPACITY* KAPAZITÄT lt
FR634270003	SCM A106 IA PRED. GR2	690	—	370	80	32
FR634270004	SCM A106 IS PRED. GR2	690	—	370	80	32
FR634270013	SCM A106 IA MOT. IDR. GR2	690	11	430	81	32
FR634270014	SCM A106 IS MOT. IDR. GR2	690	11	430	81	32

TERMOSTATI
THERMOSTATS
THERMOSTATE



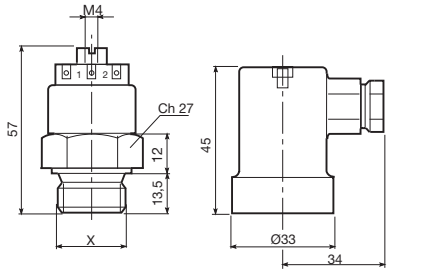
TEMPERATURE DI INTERVENTO (C°) *TRIGGER TEMPERATURE (C°)* SCHALTTEMPERATUR (C°)		CODICE *CODE* BEST. - NR.
45 - 35	M22x1,5	FR 361104535
60 - 50	M22x1,5	FR 361106050
80 - 70	M22x1,5	FR 361108070
82 - 68	M22x1,5	FR 361108268
85 - 76	M22x1,5	FR 361108576

TERMOSTATI PROTETTI IP54
IP54 PROTECTED THERMAL SWITCH
GESCHUTZTE 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
GESCHUTZTE 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