

# OFFLINE HYDRAULIC COOLING SYSTEMS

HEAT EXCHANGERS



*SILENT EVO II*

HEAT-EXCHANGERS



50/60 Hz  
Totally Enclosed  
Three Phase Motor

Low Noise  
Dirt Tolerant  
Screw Pump



Rugged Bar & Plate  
Construction



## JIC Oil Connections

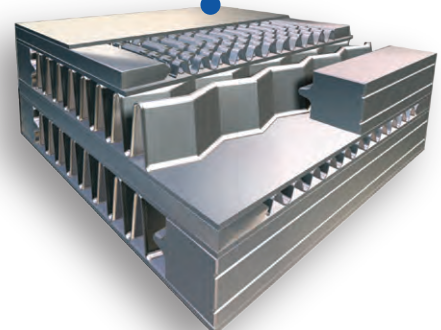
EMMEGI oil coolers are stocked with BSP Parallel thread oil connections. This allows us to draw inventory from our other Worldwide locations as needed. Product shipped from our US facility include SAE J514 37° flare adaptors. Both straight and 90° fittings are standard. A wide selection of optional types and sizes are available.

## Bar & Plate Technology

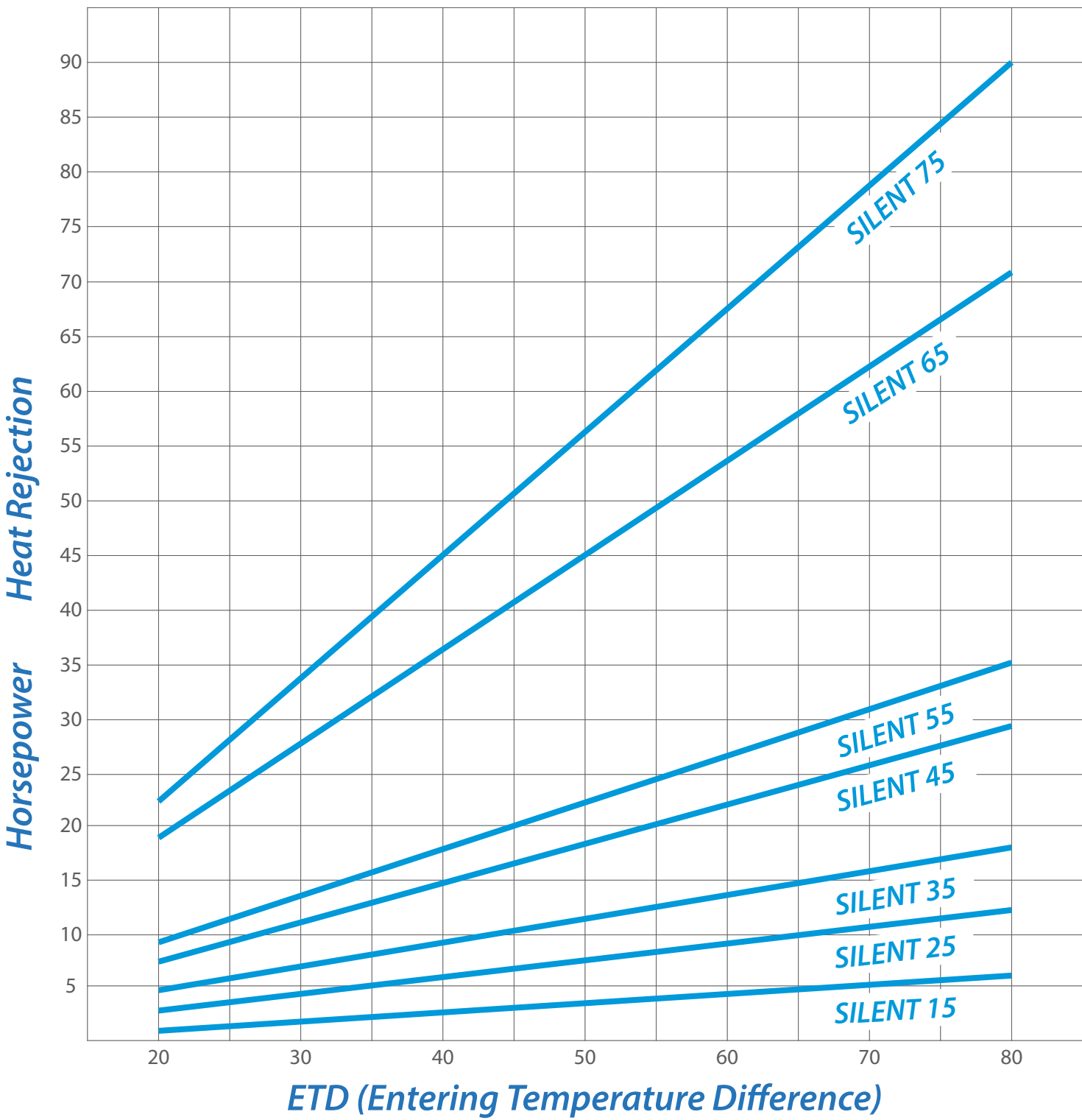
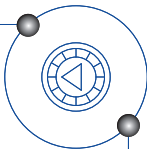
Aluminum Bar & Plate construction is the most advanced heavy duty technology available today. This design has several significant features:

- > **Compact Performance:** Up to 50% smaller than traditional fin & tube construction.
- > **Rugged Construction:** 1/4" Thick bars protect the fluid channels from damage.
- > **Serviceable:** Bars extend to fin edges allowing high pressure washing.
- > **Non-Louvered Air Fins :** Low fouling (9 Fins / inch).

Ultra-low fouling air fins optional (5 Fins / inch).

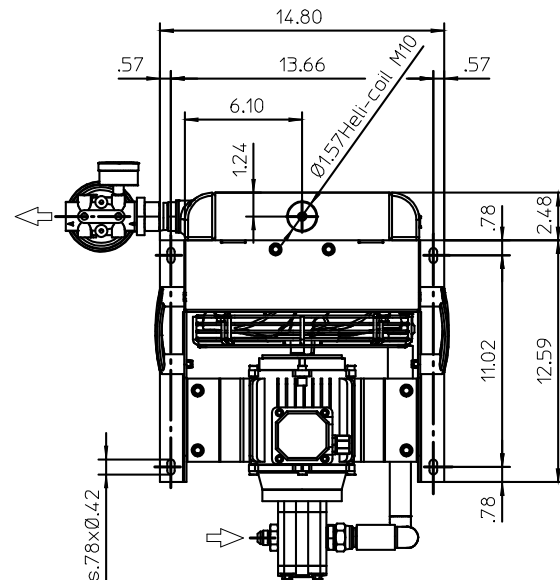
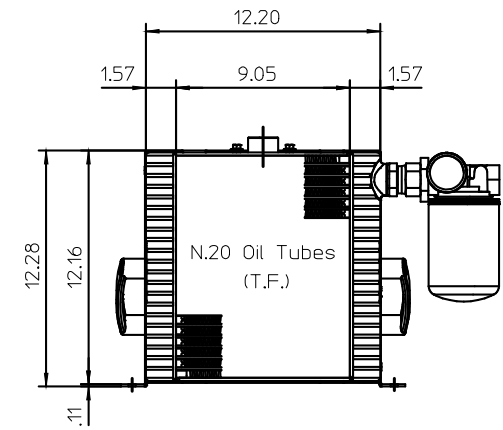
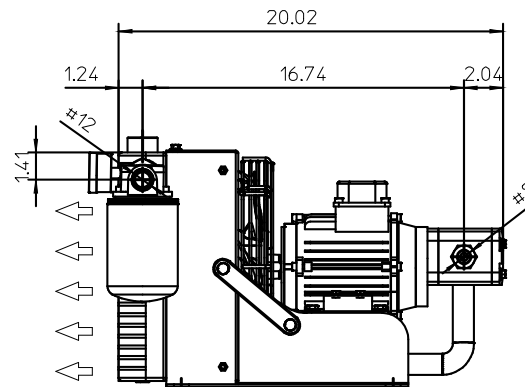
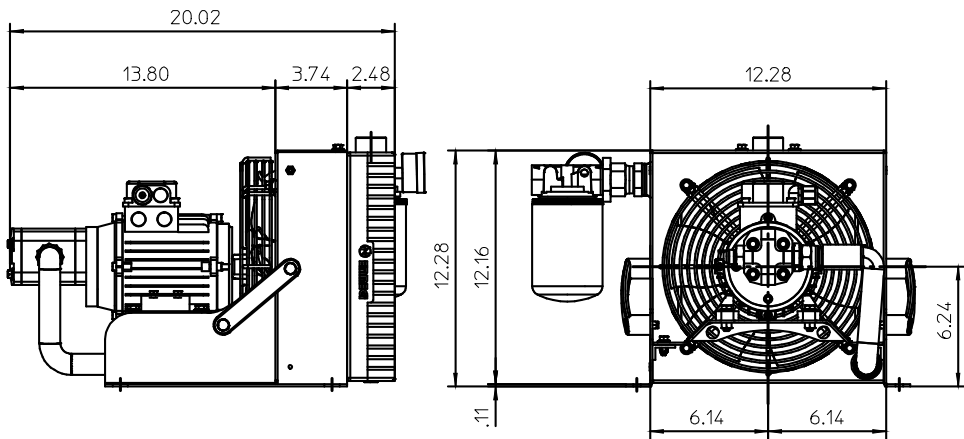


# Silent EVO II - Performance Graph

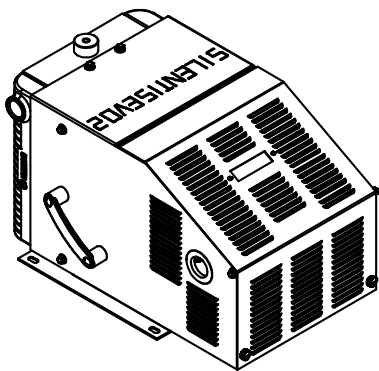


**ETD (Entering Temperature Difference)**  
 ETD = Entering Air Temperature - Entering Oil Temperature

**HEAT-EXCHANGERS**

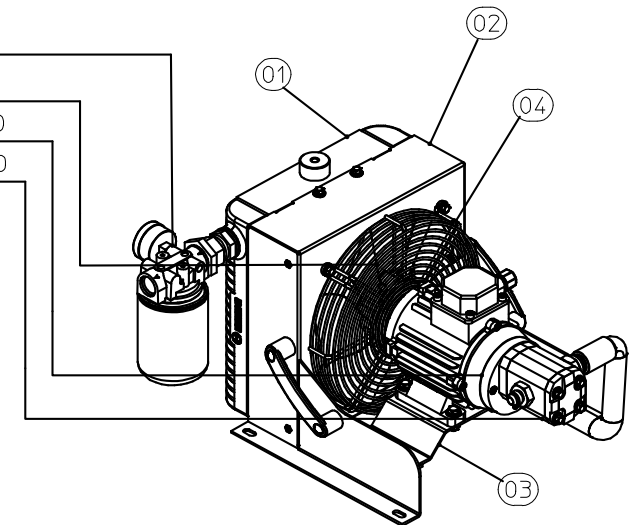


N.4. Slotted holes.78xØ.42.



Versione con carena disponibile a richiesta  
Version with cover available on request

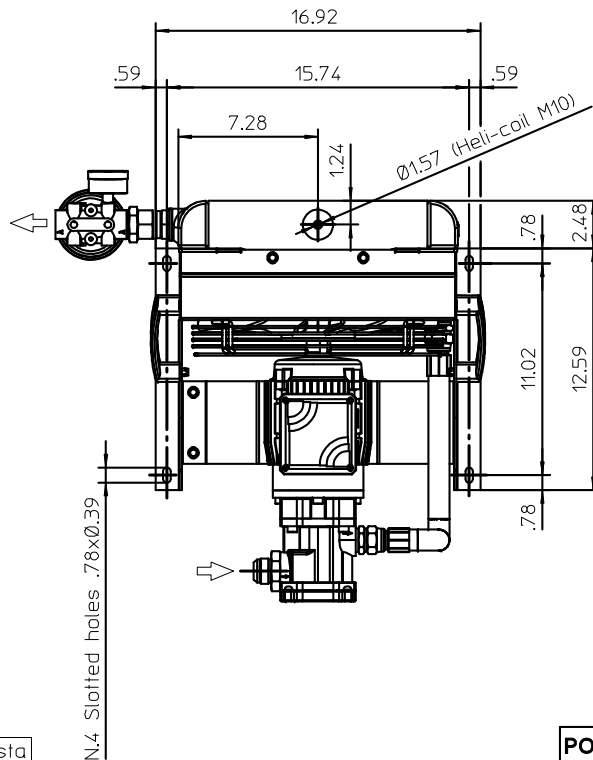
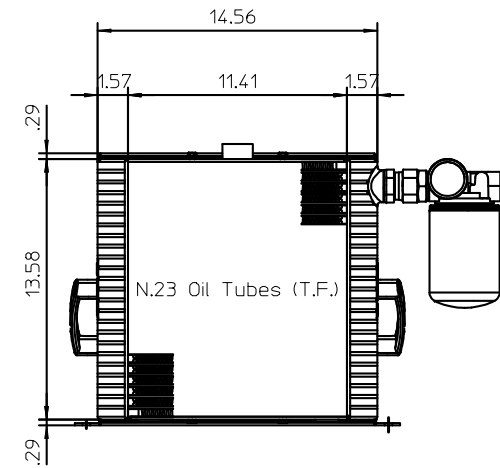
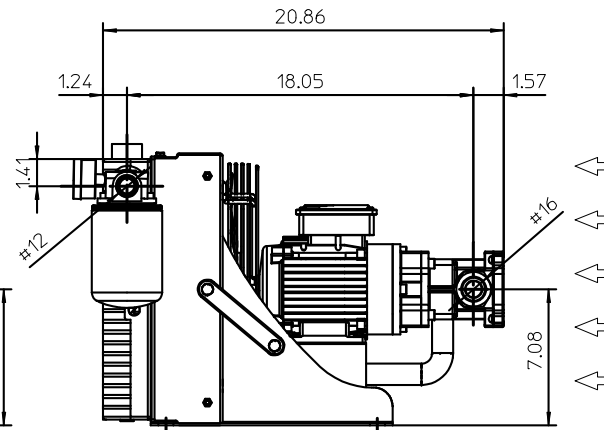
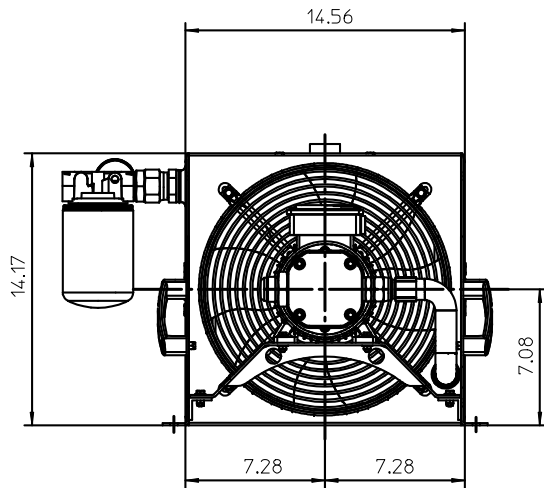
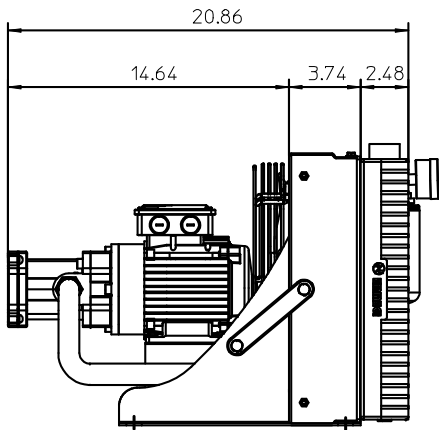
Filter  
Fan P/N 0876190  
Motor P/N 0876180  
Pump P/N 0876290



POS.	DENOMINAZIONE	VERNICIATO
01	COOLER ELEMENT	GRAY RAL 7042
02	STRUCTURE	BLUE RAL 5010
03	MOTOR SUPPORT PLATE	BLUE RAL 5010
04	FAN GRATE	BLACK RAL 9005

0 Esistenza		05-06-14	Villa N.	Laboratorio G.		
Rev.	Descrizione	Specifica	Data	Disegnato	Controllato	Approvato
			DISEGNO ESEGUITO A CAD.			
			NON SONO AMMESSE MODIFICHE O CORREZIONI MANUALI.			
Tolleranze		DATI TECNICI	Materiali	Materiali	Peso Kg.	Weight
Per quote senza indicazione di tolleranza vedi tabella EN 22768-1.		Pressione di eserc. : 20 bar Pressione di coll. : 35 bar Max. temp. di eserc. : 120 °C Codice prodotto	RIFERIMENTO	Reference	DENOMINAZIONE	Description
Classe di tolleranza		c	SILENT EVO 2 15+ JIC 230/400V 50Hz - 208/230-460V 60Hz	Assieme	DISEGNO N.	Draw N.
			<b>INDRECI</b> SCALATORI E CALORE PER CLIMATIZZAZIONE			REV.
						0

Vieta la copia, la riproduzione e la cessione a terzi a norma di legge. Di questo disegno vale la copia con indice maggiore.

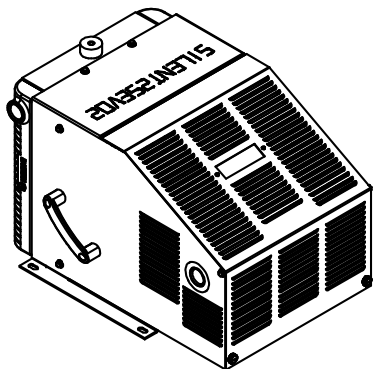
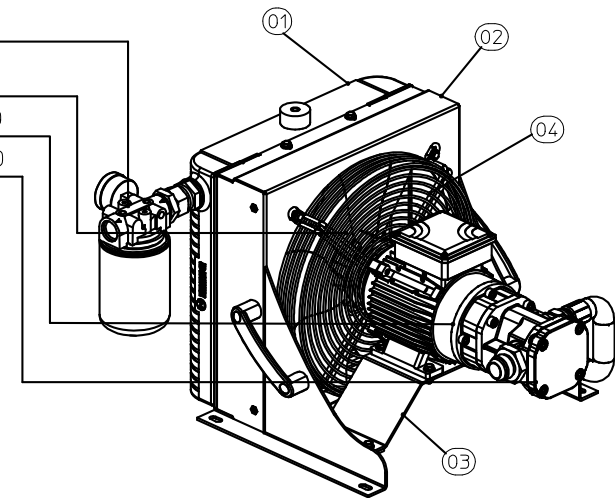


Filter

Fan P/N 0876110

Motor P/N 0876100

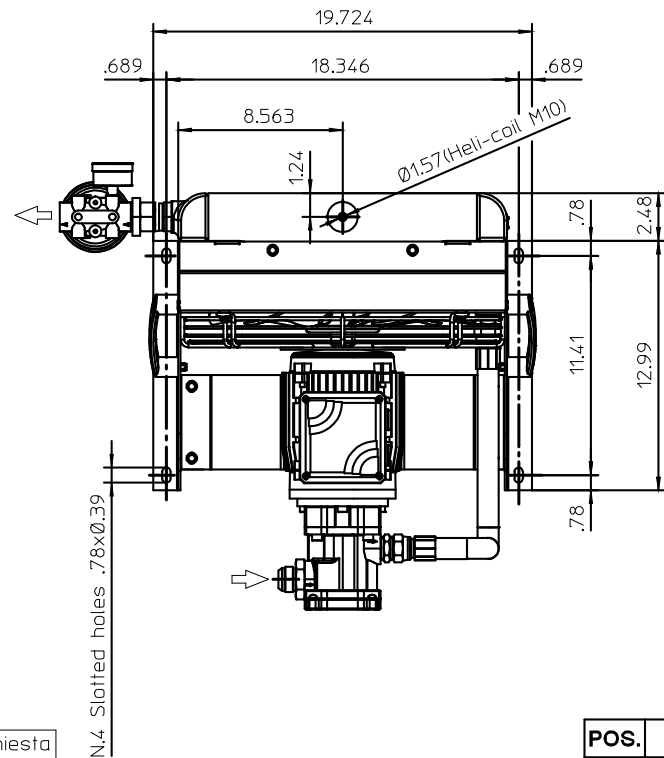
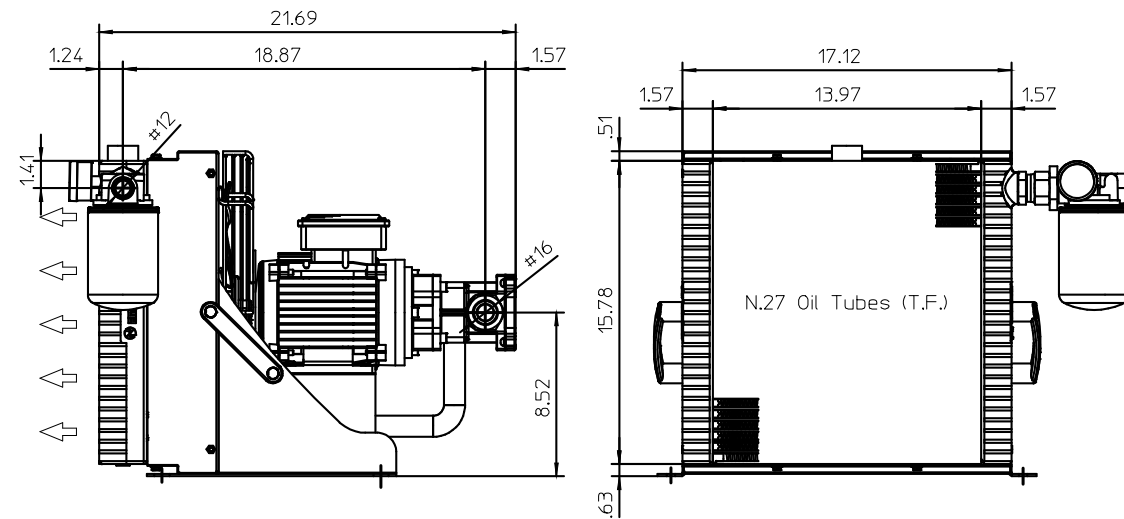
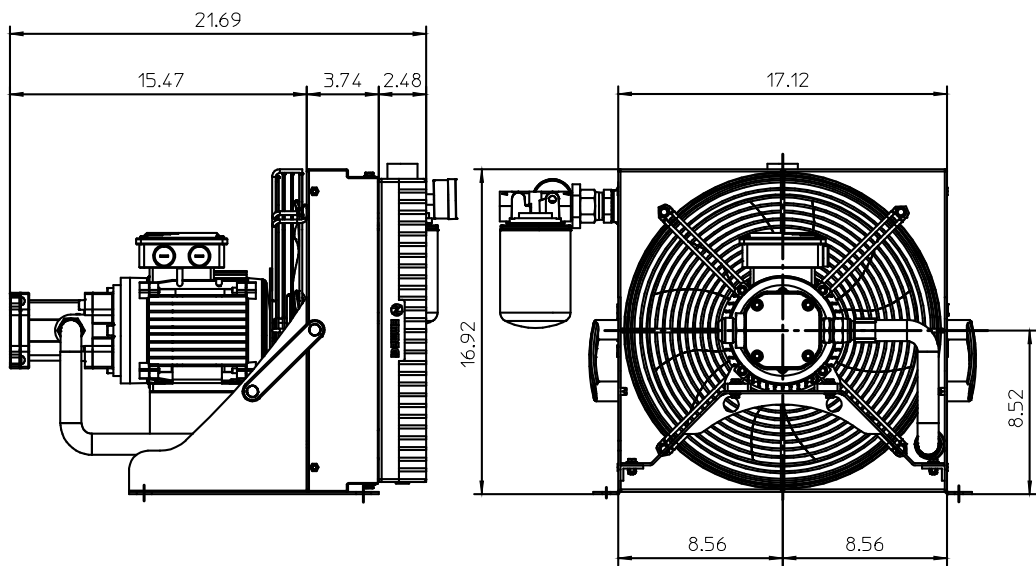
Pump P/N 0876090



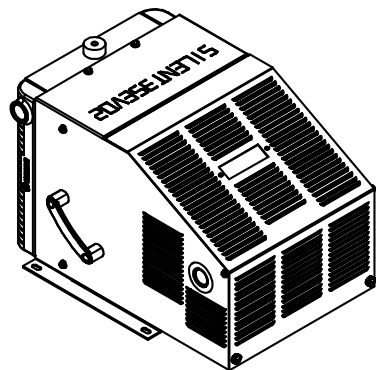
Versione con carena disponibile a richiesta  
Version with cover available on request

POS.	DENOMINAZIONE	VERNICIATO
01	COOLER ELEMENT	GRAY RAL 7042
02	STRUCTURE	BLUE RAL 5010
03	MOTOR SUPPORT PLATE	BLUE RAL 5010
04	FAN GRATE	BLACK RAL 9005

0	Emissione	03-06-14	Vita H.	Laborante G.	
Rev.	Descrizione	Specifico	Data	Disegnato	Approvato
	Tolleranze	DATI TECNICI	DISEGNO ESEGUITO A CAD.		
			NON SONO AMMESSE MODIFICHE O CORREZIONI MANUALI.		
			A2	SCALA 1:5	
	Per quote senza indicazione di tolleranza vedi tabella EN 22768-1	Pressione di eserc. : 20 bar Pressione di coll. : 35 bar Max. temp. di eserc. : 120 °C	Materiale	Material	Peso Kg. Weight
	Classe di tolleranza	Codice prodotto cliente	RIFERIMENTO	Reference	DENOMINAZIONE
	c		SILENT EVO 2 Z5 WITH FILTER +JC 230/400V 50Hz - 208/230-460V 60Hz	Assieme	Description
			DISEGNO N.		Draw N.
			REV.		0



N.4 Slotted holes .78x0.39



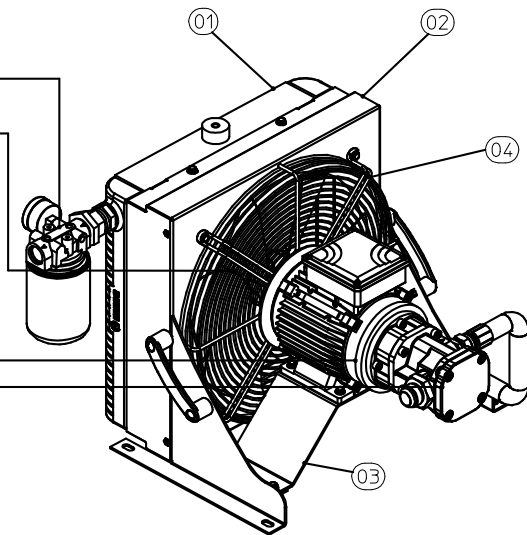
Versione con carena disponibile a richiesta  
Version with cover available on request

Filter

Fan P/N 0876110

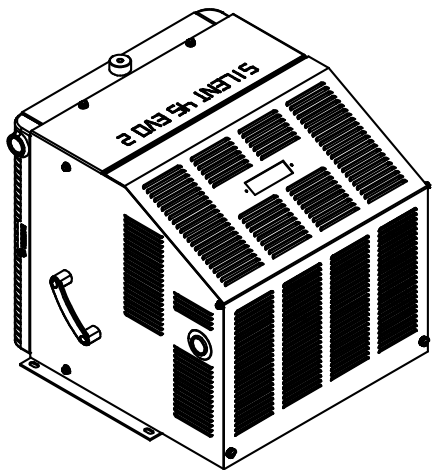
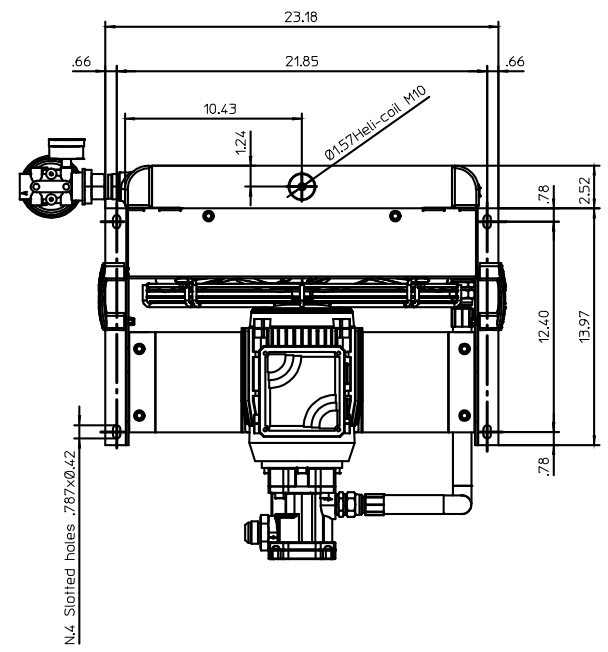
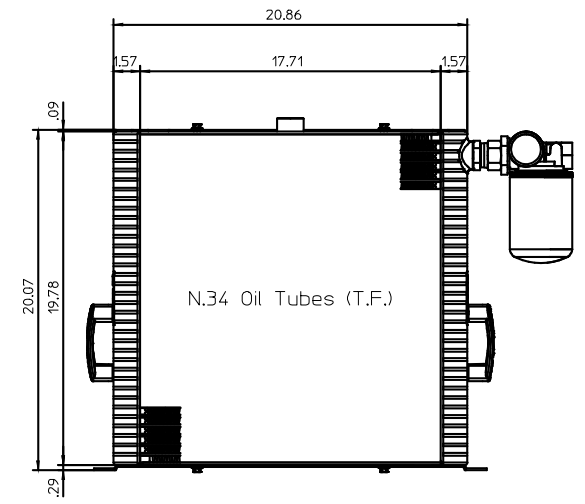
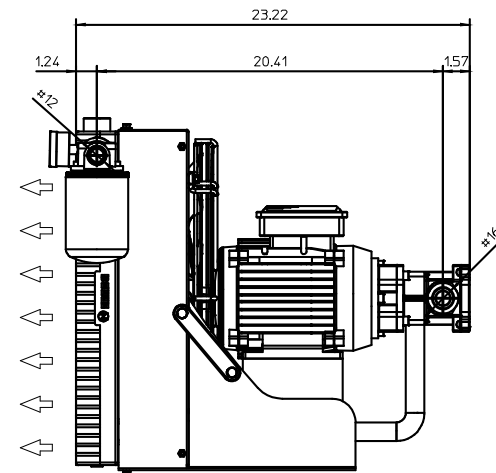
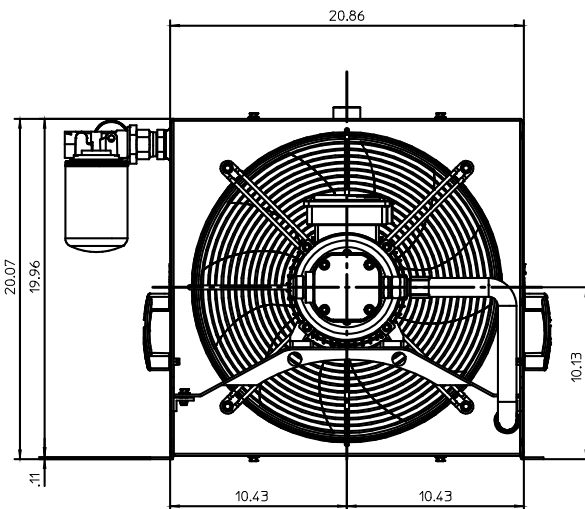
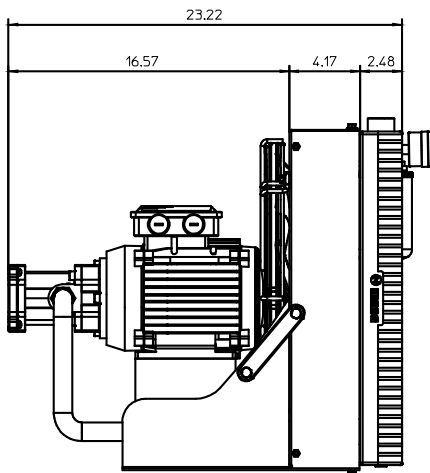
Motor P/N 0876100

Pump P/N 0876090



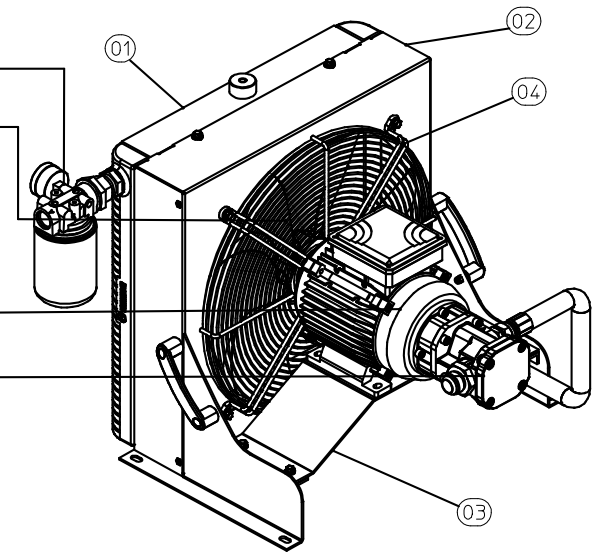
POS.	DENOMINAZIONE	VERNICIATO
01	COOLER ELEMENT	GRAY RAL 7042
02	STRUCTURE	BLUE RAL 5010
03	MOTOR SUPPORT PLATE	BLUE RAL 5010
04	FAN GRATE	BLACK RAL 9005

0	Esistenza	04-06-16	Vita N.	Laboratorio G.	
Rev.	Descrizione	Specifica	Data	Disegnato	Controllo
Tolleranze		DATI TECNICI		Approvato	
Per quote senza indicazione di tolleranza vedi tabella EN 22768-1. Classe di tolleranza c		Pressione di eserc. : 20 bar Pressione di coll. : 35 bar Max. temp. di eserc. : 120 °C Codice prodotto		Materiale Material Peso Kg. Weight Ricarvato da :	
		RIFERIMENTO SILENT EVO 2 35 WITH FILTER + JIC 230/400V 50Hz - 208/230-460V 60Hz		DENOMINAZIONE Assieme	
		Codice prodotto cliente		DISEGNO N. Draw N.	
				REV. 0	



Versione con carena disponibile a richiesta  
Version with cover available on request

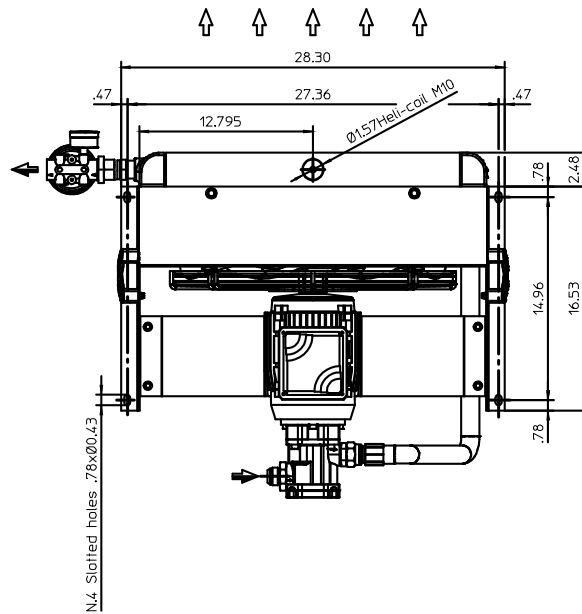
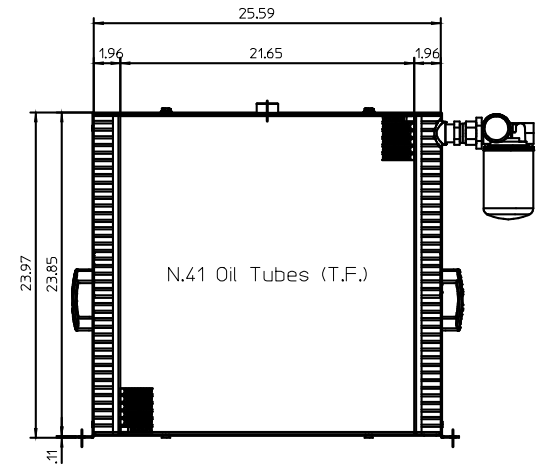
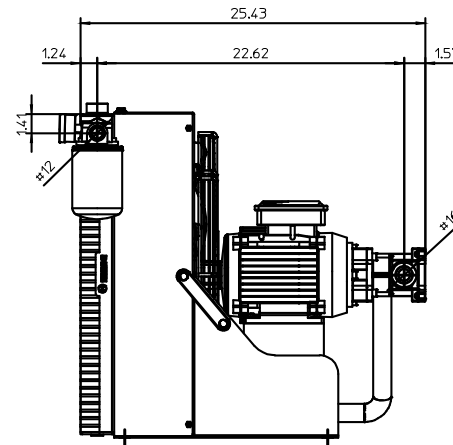
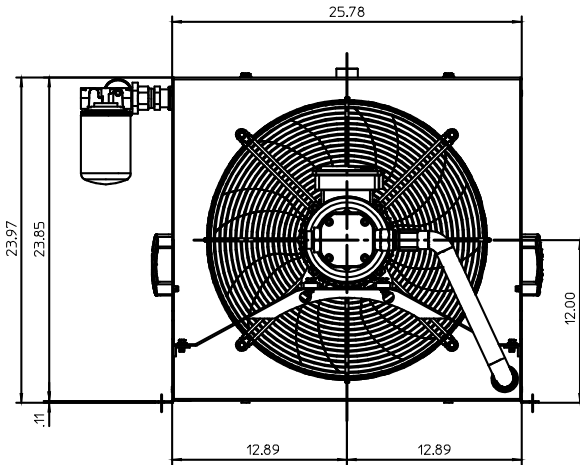
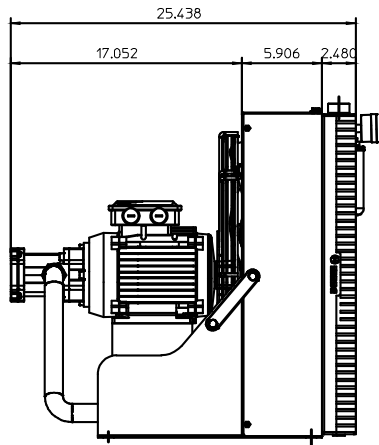
- Filter
- Fan P/N 0876150
- Motor P/N 0876140
- Pump P/N 0876090



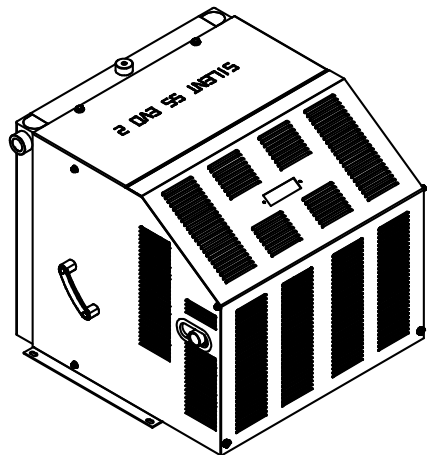
POS.	DENOMINAZIONE	VERNICIATO
01	COOLER ELEMENT	GRAY RAL 7042
02	STRUCTURE	BLUE RAL 5010
03	MOTOR SUPPORT PLATE	BLUE RAL 5010
04	FAN GRATE	TRATT. ZINC.

Rev.	Modificazioni	Specifiche	04-05-16	Vita N.	Laboratorio R.L.
			Date	Eseguito	Controlato
Tolleranze		DATI TECNICI		DISEGNO ESEGUITO A CAD.	
		Per quote senza indicazione di tolleranza vedi tabella EN 22768-1		NON SONO AMMESSE MODIFICHE O CORREZIONI MANUALI.	
		Classe di tolleranza c		Materiali	
		Pressione di eserc. : 20 bar		Pressione di coll. : 35 bar	
		Max. temp. di eserc. : 120 °C		Codice prodotto cliente	
		RIFERIMENTO: SILENT EVO 2.45 MH FILTER-JC 230/400V 50Hz - 208/230-460V 60Hz		Reference DENOMINAZIONE	
				Assieme	
				DISEGNO N.	
				Draw N°	
				REV.	
				0	

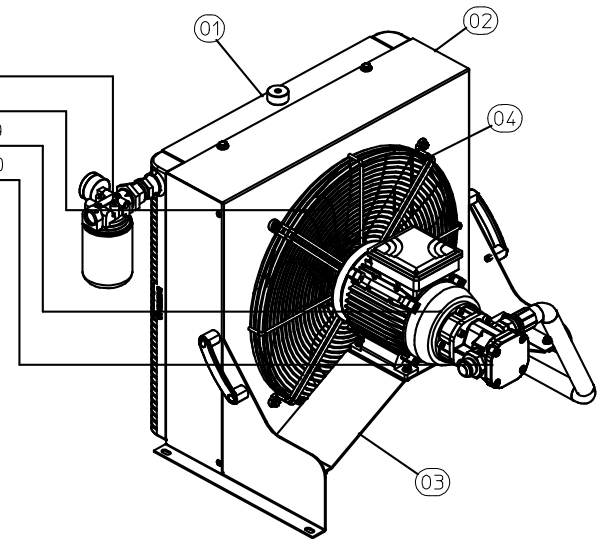
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Versione con carena disponibile a richiesta  
Version with cover available on request

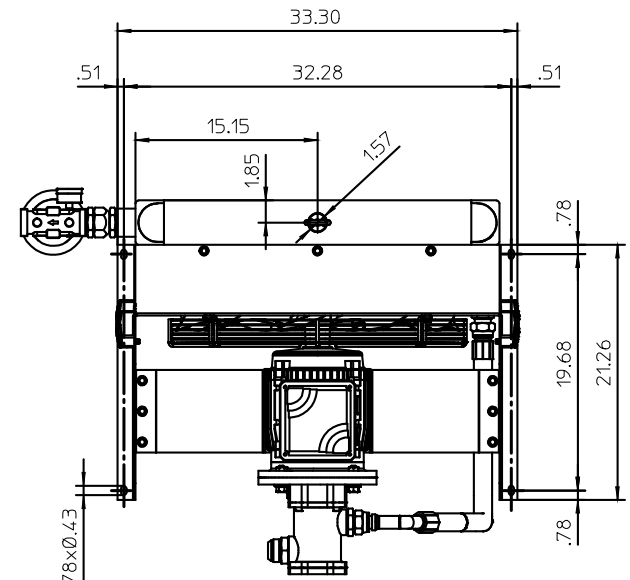
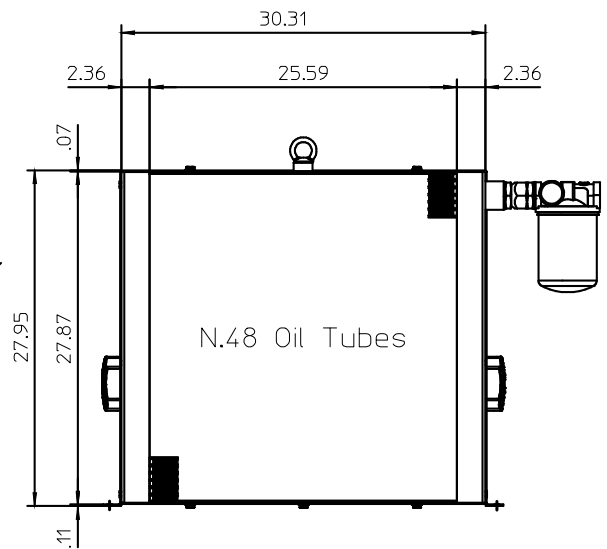
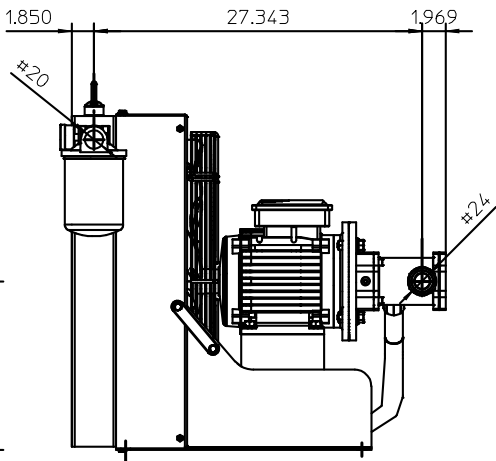
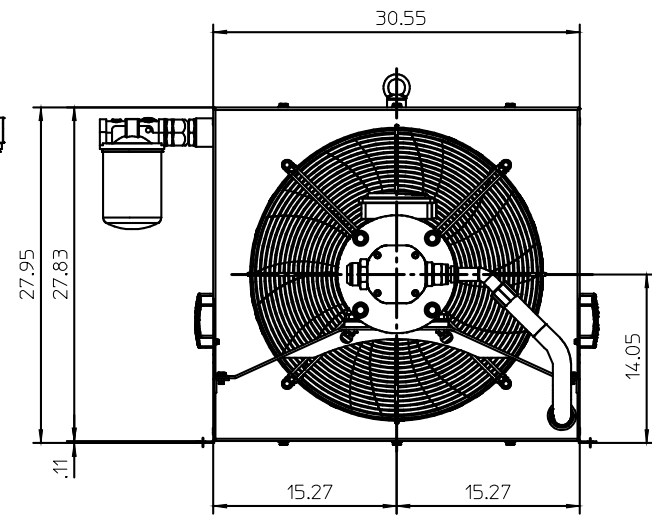
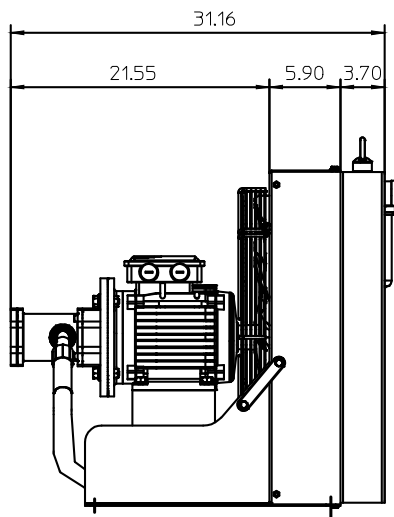


Filter  
Fan P/N 0876170  
Motor P/N 0876160  
Pump P/N 0876090



Rev.	Modifications	Description	Quantity	05-05-16	Vita N.	Laborente R.	Coordinate	Approvato
Tolleranze				DATI TECNICI		DISEGNO ESEGUITO A CAD.		
Per quote senza tolleranza vedi tabella EN 22768-1				Pressione di eserc.: 20 bar		NON SONO AMMESSE MODIFICHE O CORREZIONI MANUALI.		
Classe di tolleranza				Pressione di col.: 35 bar		Materiali		
c				Max. temp. di eserc.: 120 °C		Materiali (Peso Kg. Weight) Ricavato da:		
Codice prodotto cliente				Codice prodotto		RIFERIMENTO		
SUNING				230/400V 50Hz - 208/230 460V 60Hz		Reference		
				DISEGNO N.		DENOMINAZIONE		
				Draw N°		Assieme		
				REV.		Description		
				0		SCALE 1:5		

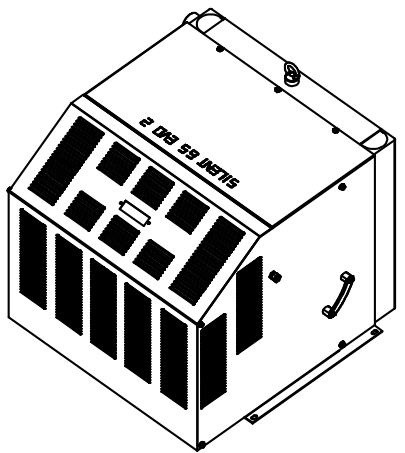
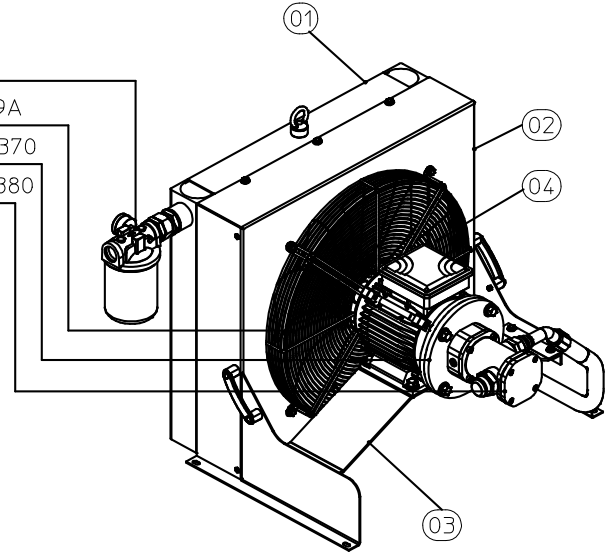




N.4 Slotted holes: 78x0.43



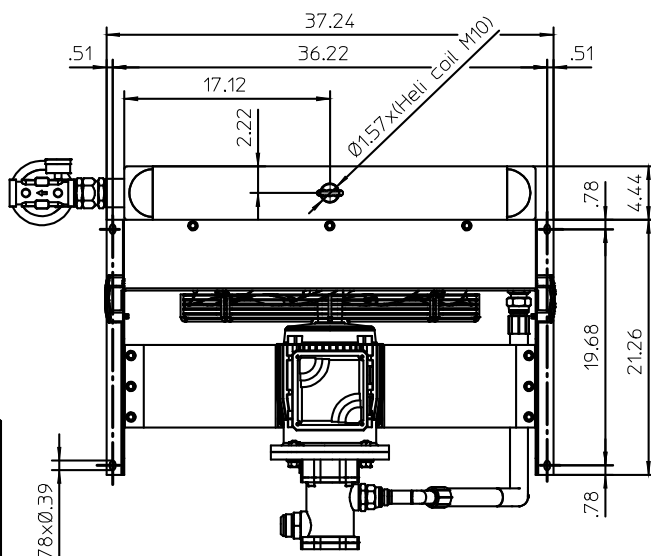
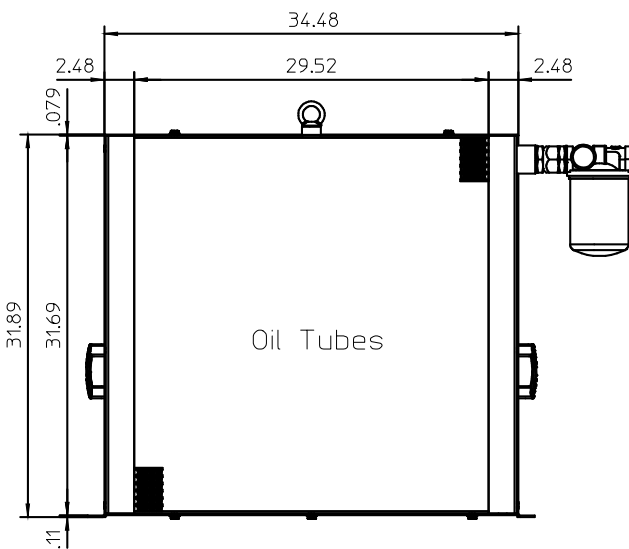
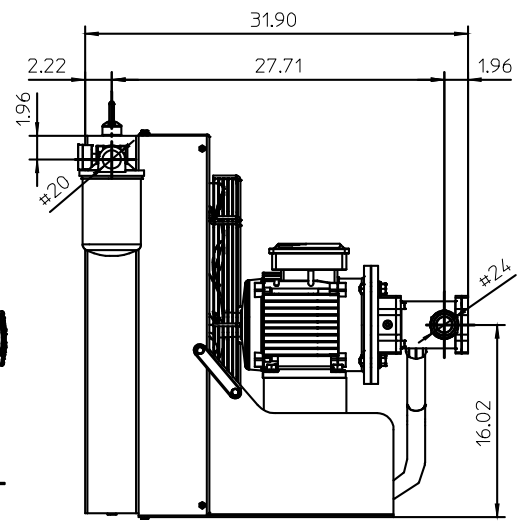
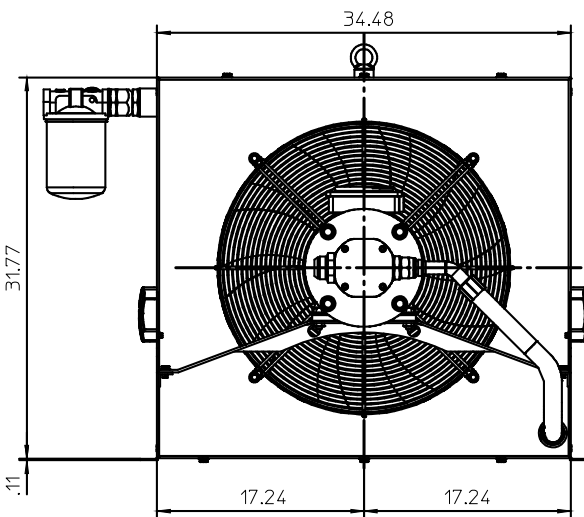
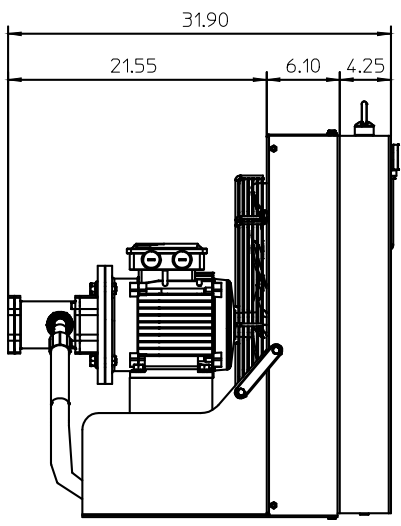
Filter  
 Fan P/N 095239A  
 Motor P/N 0952370  
 Pump P/N 0952380



Versione con carena disponibile a richiesta  
 Version with cover available on request

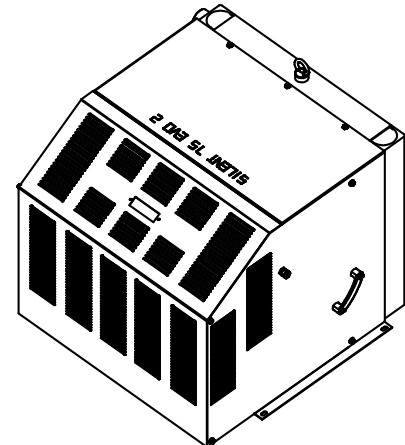
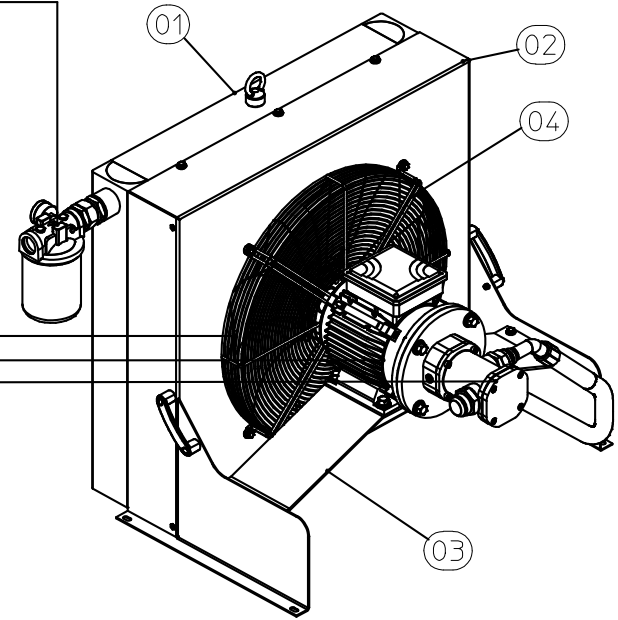
POS.	DENOMINAZIONE	VERNICIATO
01	COOLER ELEMENT	GRAY RAL 7042
02	STRUCTURE	BLUE RAL 5010
03	MOTOR SUPPORT PLATE	BLUE RAL 5010
04	FAN GRATE	BLACK RAL 9005

0 Esistenza		04-06-14	Villa N.	Laboratorio G.
Rev.	Descrizione	Specifica	Data	Disegnato
Tolleranze		DATI TECNICI		
Per quote senza indicazione di tolleranza vedi tabella EN 22768-1		Pressione di eserc. : 20 bar		Materiali
Classe di tolleranza		Pressione di coll. : 35 bar		Material
c		Max. temp. di eserc. : 120 °C		Peso Kg. Weight
		Codice prodotto		Ricavato da :
		Codice prodotto cliente		
DISEGNO ESEGUITO A CAD. NON SONO AMMESSE MODIFICHE O CORREZIONI MANUALI.				
RIFERIMENTO			Reference	DENOMINAZIONE
SILENT EVO 2 65 WITH FILTER-JC			230/400V 50Hz - 208/230-460V 60Hz	Assieme
DISEGNO N.			Draw N.	REV.



Filter

- Fan P/N 095239A
- Motor P/N 0952370
- Pump P/N 0952380



N.4 Slotted holes: 7.8xØ.39



Versione con carena disponibile a richiesta  
Version with cover available on request

VERNICIATO		
POS.	DENOMINAZIONE	VERNICIATO
01	COOLER ELEMENT	GRAY RAL 7042
02	STRUCTURE	BLUE RAL 5010
03	MOTOR SUPPORT PLATE	BLUE RAL 5010
04	FAN GRATE	BLACK RAL 9005

0	Esistenza	04-06-14	Villa N.	Laboratorio G.		
Rev.	Descrizione	Specifica	Data	Eseguito	Controllato	Approvato
Tolleranze			DATI TECNICI		DISEGNO ESEGUITO A CAD.	
Per quote senza indicazione di tolleranza vedi tabella EN 22768-1			Pressione di eserc. : 20 bar		NON SONO AMMESSE MODIFICHE O CORREZIONI MANUALI.	
Classe di tolleranza			Pressione di coll. : 35 bar		A2	
c			Max. temp. di eserc. : 120 °C		RIFERIMENTO	
			Codice prodotto		Reference	
			Codice prodotto cliente		DENOMINAZIONE	
					Assieme	
					DISEGNO N.	
					Draw N.	
					REV.	

# Product Lines

## AC Fan Driven



**2000K & KBV  
AC Motors**  
Heat Removals to 16 HP.  
Optional Internal Bypass Valve.  
Totally Enclosed Motors.  
Oil Flows to 50 GPM.



**HPV Series I  
AC Motors**  
Heat Removals to 70 HP.  
Internal Bypass Valve Standard.  
Totally Enclosed Motors.  
Oil Flows to 100 GPM.



**HPV Series II  
AC Motors**  
Heat Removals to 265 HP.  
Internal Bypass Valve Standard.  
Totally Enclosed Motors.  
Oil Flows to 350 GPM.

## DC Fan Driven



**2000K & KBV  
DC Motors**  
Heat Removals to 35 HP.  
Optional Internal Bypass Valve.  
Oil Flows to 125 GPM.



**HPV Series  
DC Motors**  
Heat Removals to 36 HP.  
Internal Bypass Valve Standard.  
Oil Flows to 80 GPM.



**S & SBV Series  
DC Motors**  
Heat Removals to 38 HP.  
Optional Internal Bypass Valve.  
Oil Flows to 100 GPM.

## Hydraulic Fan Driven



**2000K & KBV  
Hydraulic Motors**  
Heat Removals to 30 HP.  
Optional Internal Bypass Valve.  
Wide range of Hydraulic Motor  
Displacements available.  
Oil Flows to 50 GPM.



**HPV Series I  
Hydraulic Motors**  
Heat Removals to 130 HP.  
Internal Bypass Valve Standard.  
Oil Flows to 100 GPM.



**HPV Series II  
Hydraulic Motors**  
Heat Removals to 300 HP.  
Optional Internal Bypass Valve.  
Oil Flows to 350 GPM.

## Cooling Systems



**Silent Evo II**  
Off-line cooling systems with  
oil cooler & recirculation.  
Pump heat removals to 60 HP.



**RID Series**  
Gearbox cooling systems with oil  
cooler, recirculation pump & filter  
heat removals to 25 HP.



**HPA TK**  
Combination reservoir, oil cooler,  
& suction filter.  
Ideal for closed loop hydrostatic  
cooling.

## Water / Oil



**WB Series  
Water/Oil**  
Stainless steel Water/Oil Coolers.  
Compact water saving design.  
Heat Removals to 360 HP.  
Oil Flows to 200 GPM.



**MG Series  
Water/Oil**  
Sea Water duty shell & tube heat  
exchangers.  
Corrosion resistant copper-nickel  
cooling tubes & bronze end  
bonnets.



**Water Modulating Valves**  
Control water flow through Water/Oil  
heat exchangers to maintain desired  
oil temperatures.  
No external input required.

## Accessories



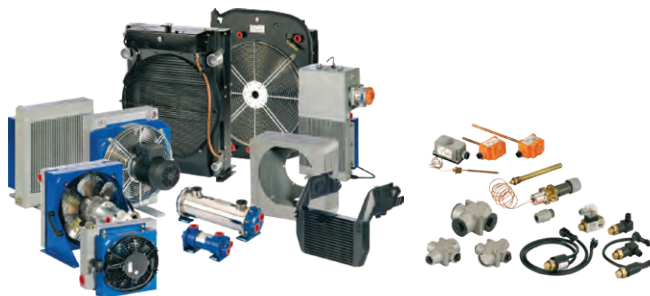
**AC Temperature Switches**  
Cycle cooling fan to maintain desired  
temperatures.  
Fixed & adjustable designs available.



**DC Temperature Switches**  
12v & 24v Models.  
TMR Switches are prewired & include  
relay for plug & play operation.



**Thermostatic Valves**  
Modulating valves bypass oil during  
cold startup.  
#8 through #24 sizes available.



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