



STANDARD Range

pro

HL

Serie / Series

Scambiatori di calore aria-olio
/ Air-Oil Heat Exchangers







GENETICALLY COOL

Dal 1996, Oesse progetta e produce soluzioni integrate per lo scambio termico. L'innovazione tecnologica e di prodotto, la flessibilità e la professionalità di uno staff tecnico specializzato permettono di realizzare scambiatori di elevato standard qualitativo, ritagliati ad-hoc sulle singole applicazioni ed esigenze dei clienti. La compattezza e l'ottima resa di scambio termico, unite a una resistenza meccanica superiore alle altre tipologie costruttive, rendono gli scambiatori Oesse la miglior scelta per il raffreddamento delle macchine.

Since 1996, Oesse has been designing and manufacturing integrated solutions for heat exchange, providing technological product innovations. Flexibility and skills of a specialized technical staff enabled us to create high quality standard coolers, optimised for most applications and customer needs. The compactness and the excellent heat exchange performance, combined with a mechanical strength superior to other construction types, make Oesse heat exchangers the best choice for machine cooling.



Codice prodotto HL / HL product code



Serie / Series

Scambiatore di calore aria-olio
Air-oil heat exchanger

Taglia / Size

5101, 5201, 5301, 5401, 5501, 5601, 5701

HL

5101

12V

A

Flusso ventola / Fan Flow

A - Aspirante
P - Premente

A - Sucking/pulling fan
P - Blowing/pushing fan

Ventilazione / Fan Unit

12V - DC 12V

24V - DC 24V

Versioni disponibili / Available versions

Tutti gli scambiatori di calore aria-olio HL sono disponibili in due diversi voltaggi: 12V e 24V

Nel codice prodotto è indicato dopo la taglia:
HL 5101 **12V**

All HL air-oil coolers are available with 12V and 24V voltage

In the product code is indicated after the product size: HL 5101 **12V**



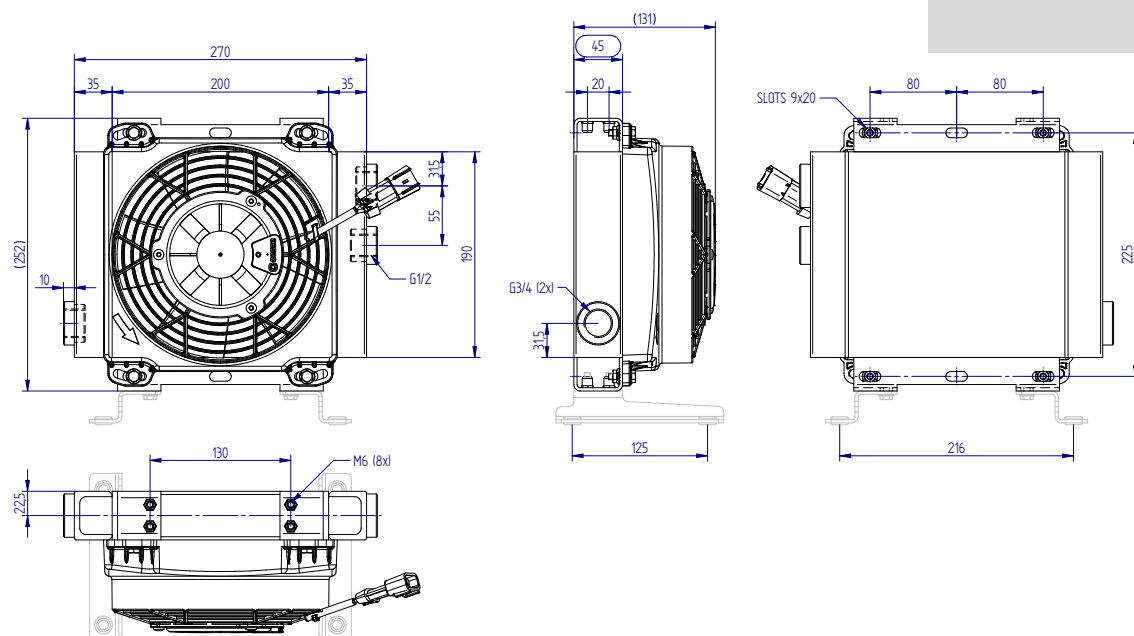
Tutti gli scambiatori di calore aria-olio HL sono disponibili con due diverse ventole: Aspirante o Premente

Nel codice prodotto è indicato dopo il voltaggio:
HL 5101 12V **A**

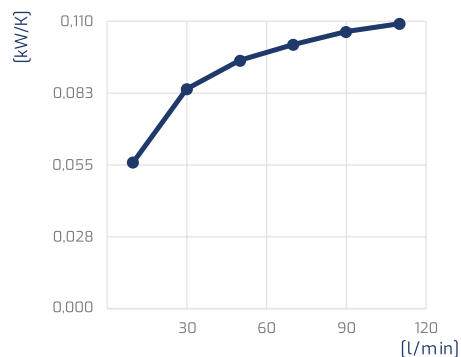
All HL air-oil coolers are available with Sucking/Pulling fan or Blowing/Pushing fan

In the product code is indicated after the voltage: HL 5101 12V **A**



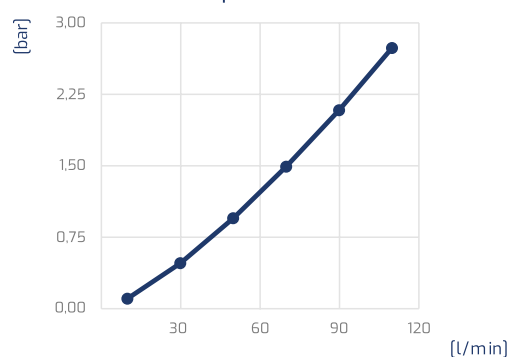


Performance



Oil T 80°C
T Amb. 40°C
1 kW = 860 Kcal/h - 1HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

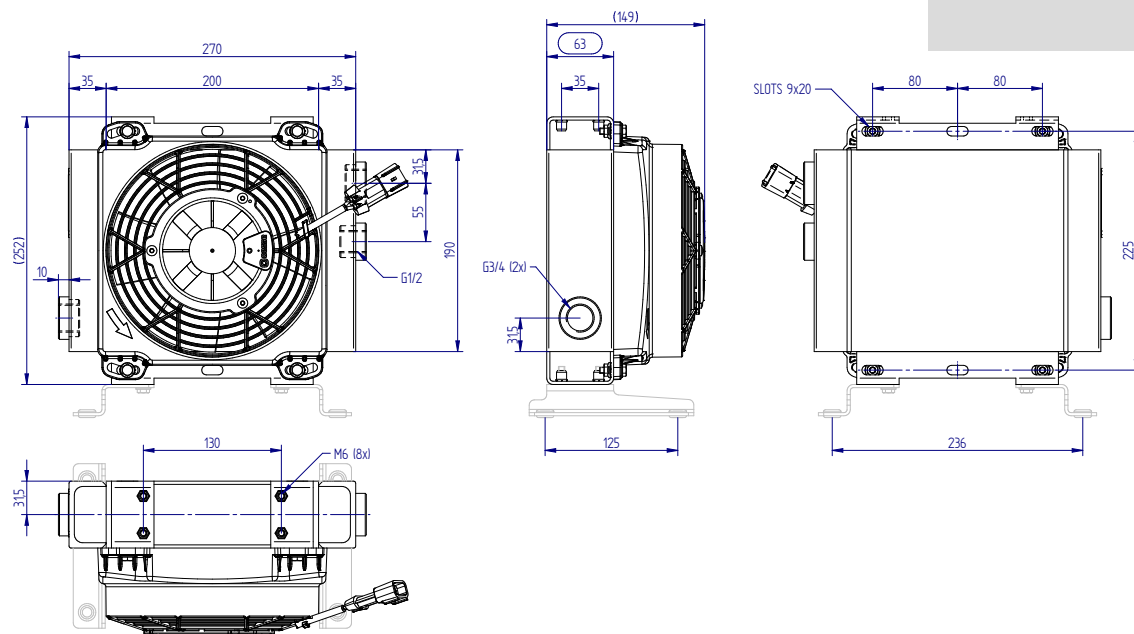
Oil	22	32	46	68	150
Correction factor				1,6	3

Technical data

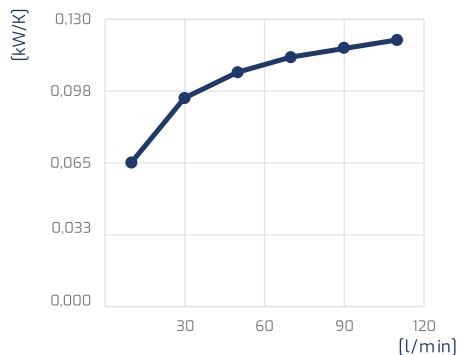
Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[l/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL510112VA/P	10 - 80	3,5	12	8,4	190	690
HL510124VA/P	10 - 80	3,5	24	4,2	190	690

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	24,5
n.10 pcs	80x80x50	42
n.25 pcs	80x120x65	101,5
n.50 pcs	80x120x85	189

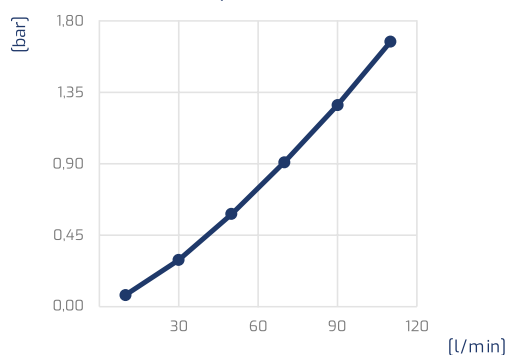


Performance



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T Amb. 40°C
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Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

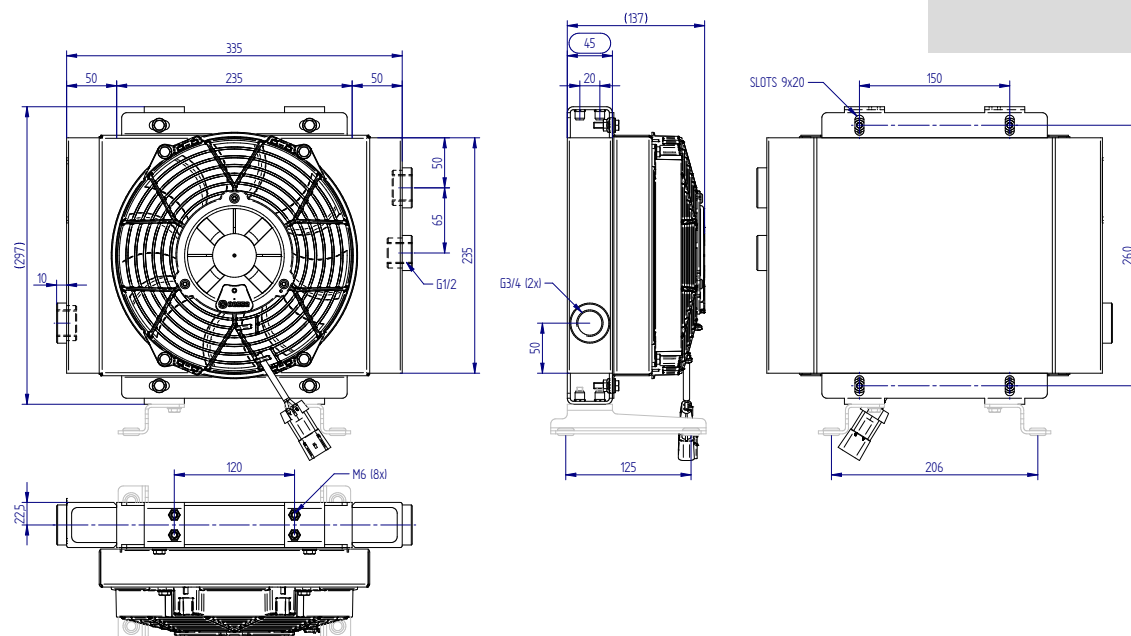
Oil	22	32	46	68	150
Correction factor			1.6	3	

Technical data

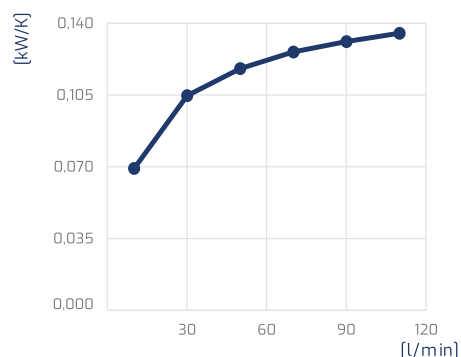
Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[l/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL520112VA/P	10 - 100	4,5	12	8,6	190	630
HL520124VA/P	10 - 100	4,5	24	4,3	190	630

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	29,5
n.10 pcs	80x80x50	52
n.20 pcs	80x120x65	104
n.30 pcs	80x120x85	149

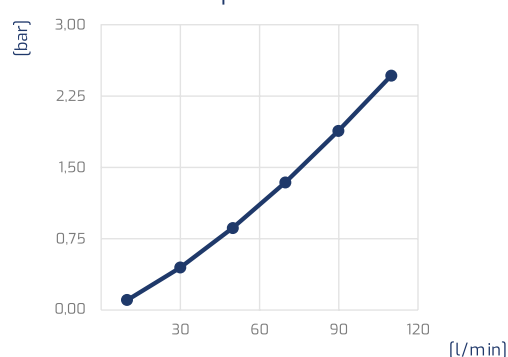


Performance



Oil T 80°C
T Amb. 40°C
1 kW = 860 Kcal/h - 1HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

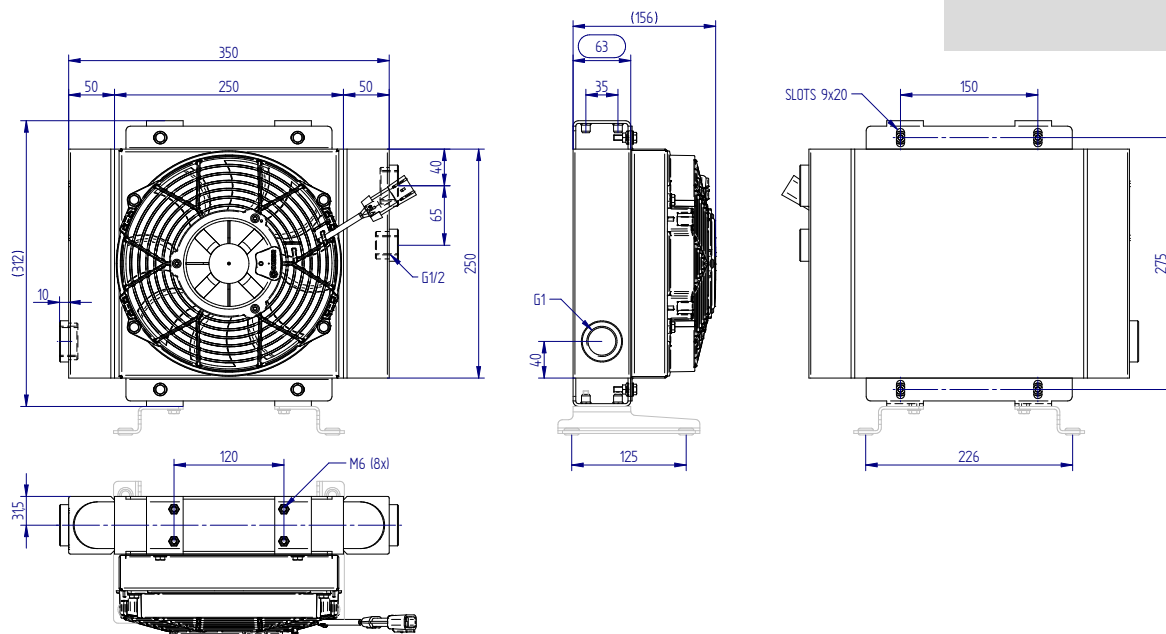
Oil	22	32	46	68	150
Correction factor				1,6	3

Technical data

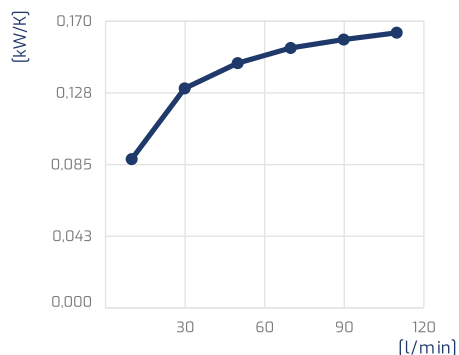
Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[l/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL530112VA/P	20- 80	5,3	12	7,4	225	790
HL530124VA/P	20- 80	5,3	24	3,7	225	790

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	33,5
n.10 pcs	80x80x50	60

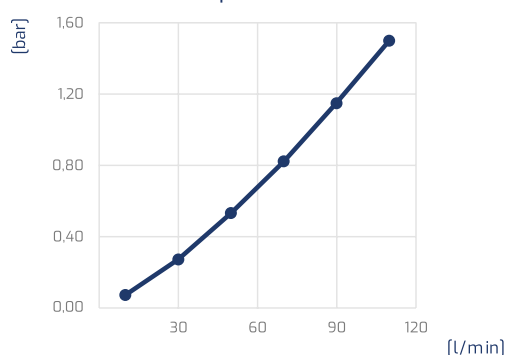


Performance



Oil T 80°C
T Amb. 40°C
1 kW = 860 Kcal/h – 1HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

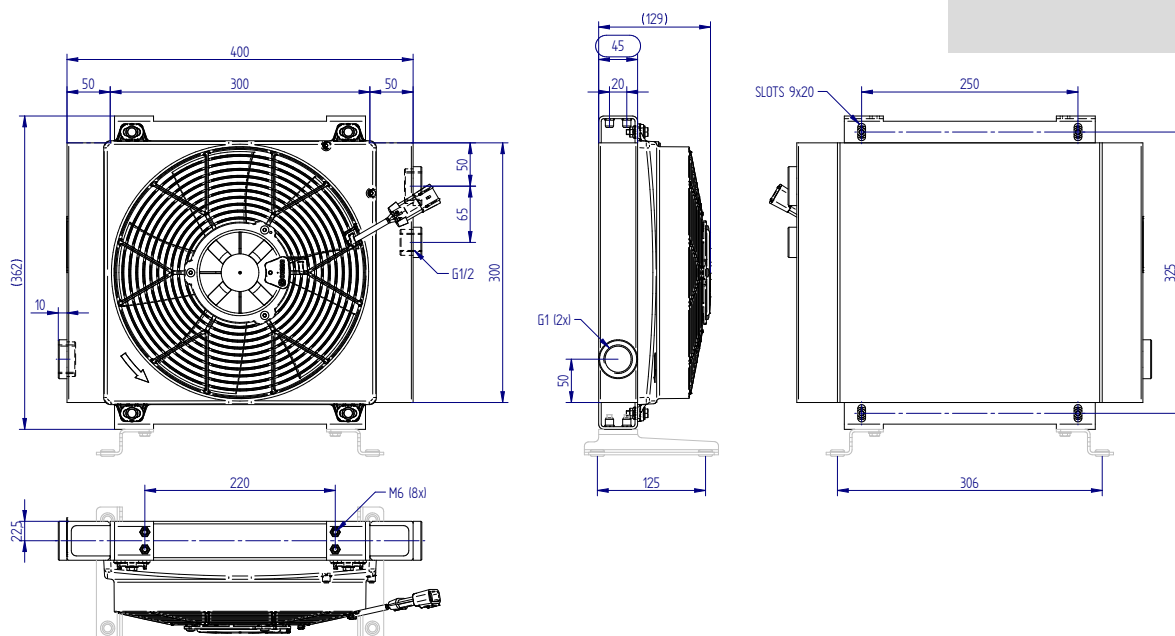
Oil	22	32	46	68	150
Correction factor			1.6	3	

Technical data

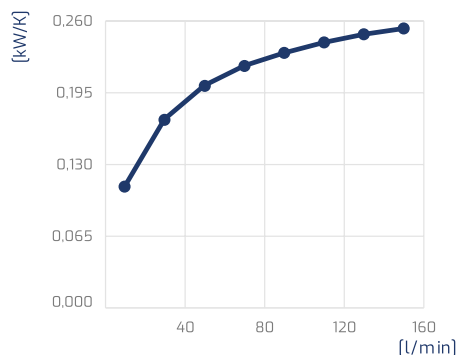
Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[l/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL540112VA/P	20- 100	7,5	12	7,4	225	840
HL540124VA/P	20- 100	7,5	24	3,7	225	770

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	44,5
n.10 pcs	80x80x50	82

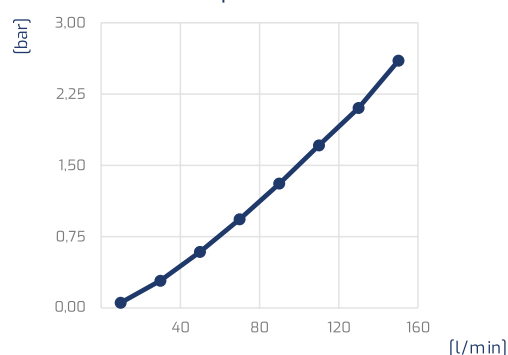


Performance



Oil T 80°C
T Amb. 40°C
1 kW = 860 Kcal/h - 1HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

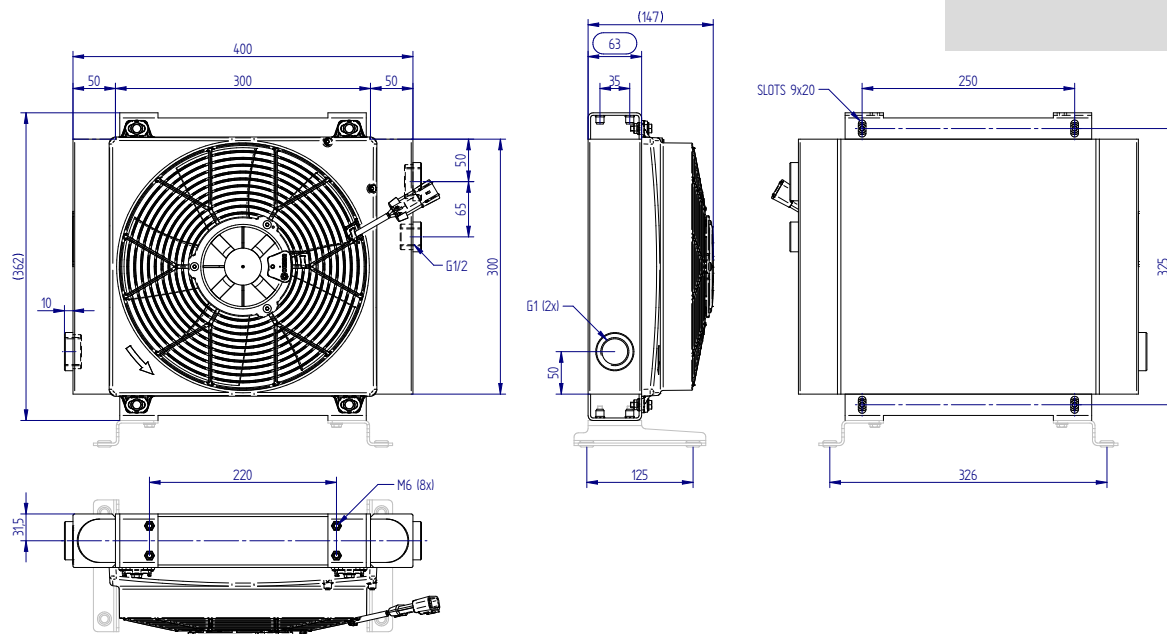
Oil	22	32	46	68	150
Correction factor				1,6	3

Technical data

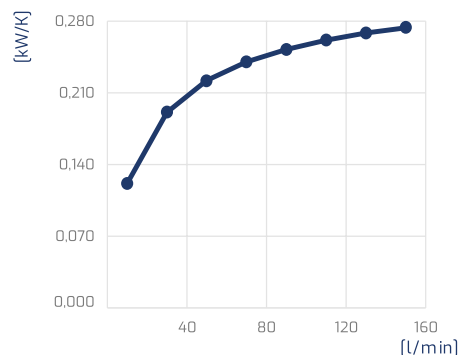
Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[l/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL550112VA/P	10 - 120	6,6	12	11,6	280	1500
HL550124VA/P	10 - 120	6,6	24	5,4	280	1500

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	40
n.10 pcs	80x120x50	80
n.20 pcs	80x120x85	146

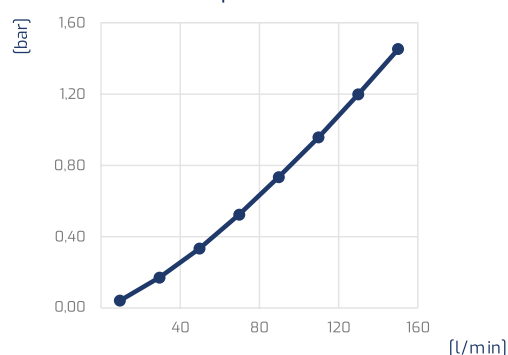


Performance



Oil T: 80°C
T Amb: 40°C
1 kW = 860 Kcal/h - 1 HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

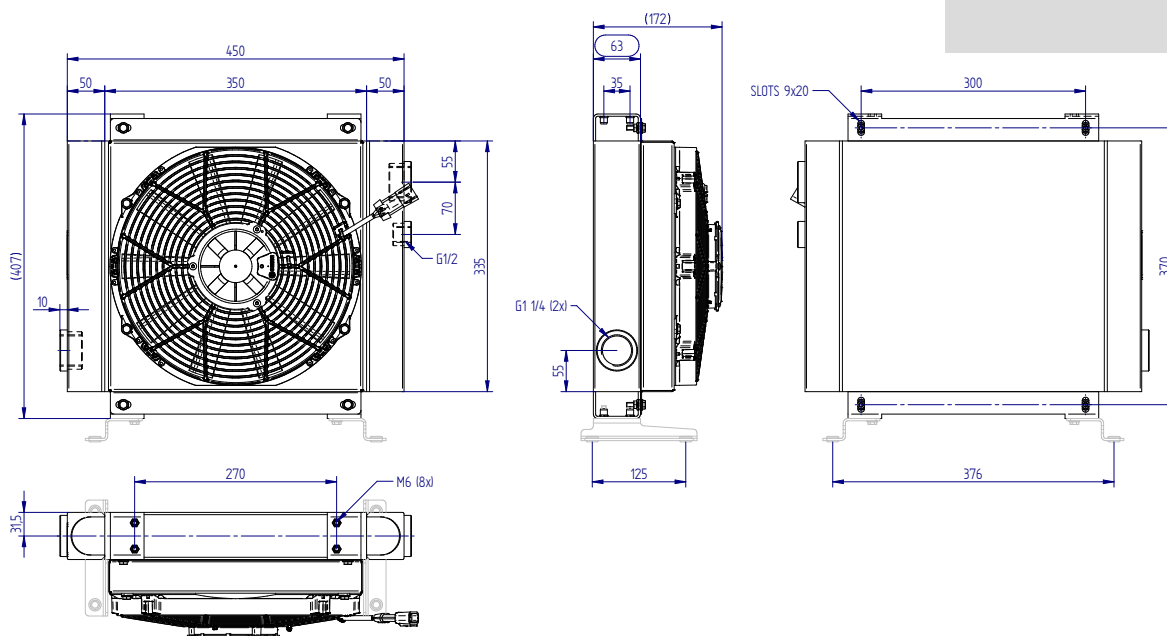
Oil	22	32	46	68	150
Correction factor				1,6	3

Technical data

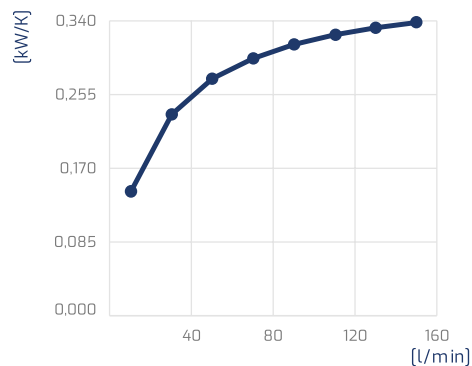
Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[l/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL560112VA/P	10 - 140	9,3	12	11,8	280	1350
HL560124VA/P	10 - 140	9,3	24	5,5	280	1350

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	53,5
n.10 pcs	80x120x50	107
n.20 pcs	80x120x85	200

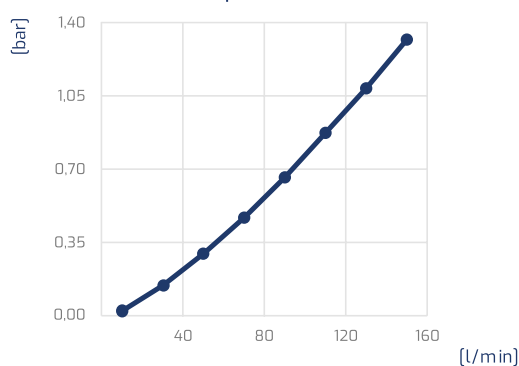


Performance



Oil T: 80°C
T Amb: 40°C
1 kW = 860 Kcal/h - 1 HP = 0,75 kW

Pressure drop



ISO VG 32 at 40°C

Viscosity - ISO VG 32 Oil

Oil	22	32	46	68	150
Correction factor				1,6	3

Technical data

Item	Oil flow	Weight	Voltage	Current absorption	Ø Fan	Air flow
	[L/min]	[kg]	[V]	[A]	[mm]	[m³/h]
HL570112VA/P	20- 160	12,7	12	11,7	305	1500
HL570124VA/P	20- 160	12,7	24	6,7	305	1500

Packaging

Packaging	Dimensions	Total gross weight Kg (including pallet)
n.5 pcs	80x80x50	70,5
n.10 pcs	80x120x65	141



SISTEMI DI FISSAGGIO / MOUNTING SYSTEMS

HKPSHL45 Kit staffe e antivibranti per le taglie **HL510, HL530, HL550**

HKPSHL63 Kit staffe e antivibranti per le taglie **HL520, HL540, HL560, HL570**

HKPSHL45 Brackets and shock absorbers kit for sizes **HL510, HL530, HL550**

HKPSHL63 Brackets and shock absorbers kit for sizes **HL520, HL540, HL560, HL570**

TERMOSTATI FISSI / FIXED THERMOSTATS



TE073.00	Termostato Bimetallico 40°C 1/2"G IP65
TE069.00	Termostato Bimetallico 50°C 1/2"G IP65
TE029.00	Termostato Bimetallico 60°C 1/2"G IP65
TE049.00	Termostato Bimetallico 70°C 1/2"G IP65
TE096.00	Termostato Bimetallico 40°C 1/2"G IP67
TE078.00	Termostato Bimetallico 50°C 1/2"G IP67
TE044.00	Termostato Bimetallico 60°C 1/2"G IP67
TE061.00	Termostato Bimetallico 70°C 1/2"G IP67

TE073.00	Bimetallic Thermostat 40°C 1/2"G IP65
TE069.00	Bimetallic Thermostat 50°C 1/2"G IP65
TE029.00	Bimetallic Thermostat 60°C 1/2"G IP65
TE049.00	Bimetallic Thermostat 70°C 1/2"G IP65
TE096.00	Bimetallic Thermostat 40°C 1/2"G IP67
TE078.00	Bimetallic Thermostat 50°C 1/2"G IP67
TE044.00	Bimetallic Thermostat 60°C 1/2"G IP67
TE061.00	Bimetallic Thermostat 70°C 1/2"G IP67

CONNETTORE / CONNECTOR



NI165.00	Connettore in acciaio inox per termostato 1/2 "G - M22
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NI165.00	Stainless steel connector for thermostat 1/2 "G - M22
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