

**Číslo/Number:** 01-2018

**Výrobek/Product:** Otopná lavice/Bench convectors  
Otopná lavice s deskou/Bench convectors with board  
Samostatné výměníky/Separate heat exchangers

**Typové označení/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Zamýšlené použití/Intended use:** V otopných soustavách v budovách/Heating systems in buildings

**Výrobce/Manufacturer:** **LICON HEAT s.r.o.**  
Na Poříčí 1041/12  
110 00 Praha 1 - Nové Město  
Česká republika/Czech Republic  
DIČ/company ID: CZ60462183

**System posuzování stálosti vlastností/System of assessment and verification of constancy of performance:** SYSTEM 3/SYSTEM 3

**Notifikovaná osoba/Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

### Deklarované vlastnosti/Declared performances

Základní charakteristiky/ Essential characteristics	Vlastnosti/Performance	Harmonizovaná technická specifikace/Harmonized technical specification
Reakce na oheň/Reaction to fire	A1	EN 442-1: 2014
Uvolňování nebezpečných látek/ Release of dangerous substances	NENÍ/NONE	
Těsnost/Pressure tightness	Žádná netěsnost otopného tělesa při 1,3 násobku nejvyššího přípustného provozního přetlaku [kPa]/no leakage at 1,3 x MOP [kPa]	
Odolnost proti přetlaku/ Resistance to pressure	Žádné známky roztržení otopného tělesa při 1,69 násobku nejvyššího přípustného provozního přetlaku [kPa]/no breakage at 1,69 x MOP [kPa]	
Nejvyšší přípustný provozní přetlak/ Maximum operating pressure (MOP)	1 200 kPa	
Povrchová teplota/ Surface temperature	Nejvýše 110 °C/Maximum 110 °C	
Tepelné výkony/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	Příloha č. 1-4/annex n.1-4	
Tepelný výkon za odlišných provozních podmínek (charakteristická křivka)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	Příloha č. 1-4/annex n.1-4	
Trvanlivost jako/Durability as:		
Odolnost proti korozi/ Resistance against corrosion	Žádná koroze po vystavení vlhkosti na dobu 100 hodin/No corrosion after 100 h humidity	
Odolnost proti mechanickému poškození menšími nárazy/ Resistance against minor impact	Třída 0/Class 0	

Vlastnosti výše uvedeného výrobku jsou ve shodě se souborem deklarovaných vlastností.

Toto prohlášení o vlastnostech se v souladu s nařízením (EU) č. 305/2011 vydává na výhradní odpovědnost výrobce uvedeného výše/

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Krůha, CEO

Datum a místo vydání/Date and place of issue

Jméno a funkce/Name and function  
Podpis/Signature

**Numer/Number:** 01-2018

**Produkt/Product:** Bankkonvektoren/Bench convectors  
Heizbank mit Platte/Bench convectors with board  
Heizwärmetauscher/Separate heat exchangers

**Kennzeichen/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Verwendungszweck/Intended use:** Heizsysteme in Gebäuden/Heating systems in buildings

**Verwendungszweck/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Tschechische Republik/Czech Republic  
ID-Nummer/company ID: CZ60462183

**System zur Bewertung und Überprüfung der Leistungsbeständigkeit/  
System of assessment and verification of constancy of performance:** SYSTEM 3/SYSTEM 3

**Notifizierte Stelle/Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

**Deklarované vlastnosti/Declared performances**

Grundcharakteristik/ Essential characteristics	Eigenschaft/Performance	Harmonisierte technische Spezifikation /Harmonized technical specification
Brandverhalten/Reaction to fire	A1	EN 442-1: 2014
Freisetzen von gefährlichen Stoffen/ Release of dangerous substances	BESTANDEN/NONE	
Druckdichtheit/Pressure tightness	keine Undichtigkeit bei 1,3fachem maximal zulässigem Betriebsdruck [kPa]/no leakage at 1,3 x MOP [kPa]	
Druckfestigkeit/ Resistance to pressure	kein Riss bei 1,69fachem maximal zulässigem Betriebsdruck [kPa]/no breakage at 1,69 x MOP [kPa]	
Maximal zulässiger Betriebsdruck/ Maximum operating pressure (MOP)	1 200 kPa	
Oberflächentemperatur/ Surface temperature	Maximal 110 °C /Maximum 110 °C	
Nennwärmeleistung/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	Anhang Nr. 1-4/attachment tab. 1-4	
Wärmeleistung bei verschiedenen Betriebsbedingungen (Kennlinie)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	Anhang Nr. 1-4/attachment tab. 1-4	
Widerstand/Durability as:		
Korrosionswiderstand/ Resistance against corrosion	Ohne Korosion nach 100 Stunden im naßen Raum/No corrosion after 100 h humidity	
Kleinschlagwiderstand/ Resistance against minor impact	Klasse 0/Class 0	

**Die Leistung des vorstehenden Produkts entspricht der erklärten Leistung/den erklärten Leistungen. Für die Erstellung  
der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich./**

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kriha, CEO

**Ort und Datum der Ausstellung/Date and place of issue**

\_\_\_\_\_  
Name und Funktion/Name and function  
Podpis/Signature

**Nr/Number:** 01-2018

**Produkt/Product:** Värmekonvektorbänk/Bench convectors  
Värme bänk med tallrik /Bench convectors with board  
Värmeväxlare/Separate heat exchangers

**Anordningstyp/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Avsedd användning/Intended use:** Värmesystem i byggnader/Heating systems in buildings

**Tillverkare/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Tjeckien/Czech Republic  
Org. nr./company ID: CZ60462183

**System för bedömning och fortlöpande kontroll av prestanda/  
System of assessment and verification of constancy of performance:** **SYSTEM 3/SYSTEM 3**

**Anmält organ/Notified Body:** 1015

**Harmonizovaná normal/Harmonised standard:** EN 442-1:2014

### Deklarované vlastnosti/Declared performances

Grundläggande egenskaper/ Essential characteristics	Prestanda/Performance	Harmoniserad teknisk specifikation /Harmonized technical specification
Reaktion på eld/Reaction to fire	A1	EN 442-1: 2014
Utsläpp av farliga ämnen/ Release of dangerous substances	UPPFYLLER STANDARDEN/NONE	
Testtryck/Pressure tightness	1,3 x maximalt driftryck [kPa]/no leakage at 1,3 x MOP [kPa]	
Motstånd mot tryck/ Resistance to pressure	1,69 x maximalt driftryck [kPa]/no breakage at 1,69 x MOP [kPa]	
Maximalt driftryck/ Maximum operating pressure (MOP)	1 200 kPa	
Yttemperatur/ Surface temperature	Maximalt 110 °C/Maximum 110 °C	
Nominell värmeprestanda / Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	Se bilaga nummer 1-4/annex n.1-4	
Värmeprestanda vid olika driftförhållanden (karaktäristikkurva)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	Se bilaga nummer 1-4/annex n.1-4	
Hållbarhet/Durability as:		
Hållbarhet mot korrosion/ Resistance against corrosion	Utan korrosion efter 100 t i fuktig miljö/No corrosion after 100 h humidity	
Hållfasthet mot små stötar/ Resistance against minor impact	Klass 0/Class 0	

Prestandan för ovanstående produkt överensstämmer med den angivna prestandan. Denna prestandadeklaration har utfärdats i enlighet med förordning (EU) nr 305/2011 på eget ansvar av den tillverkare som anges ovan. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kníža, CEO

**Datum och plats för utgivningen/Date and place of issue**

**Namn och funktion/Name and function  
Underskrift/Signature**

**Št./Number:** 01-2018

**Izdelek/Product:** Klop konvektorja/Bench convectors  
Klop za ogrevanje s ploščo/Bench convectors with board  
Toplotni izmenjevalec/Separate heat exchangers

**Oznaka vrste/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Predvidena uporaba/Intended use:** **Ogrevalni sistemi v stavbah/Heating systems in buildings**

**Proizvajalec/Manufacturer:** **LICON HEAT s.r.o.**  
**Na Porici 1041/12**  
**110 00 Praha 1 - Nove Mesto**  
**Republika Češka/Czech Republic**  
Davčna številka/company ID: CZ60462183

**Sistemi ocenjevanja in preverjanja nespremenljivosti lastnosti**  
System of assessment and verification of constancy of performance: **SYSTEM 3/SYSTEM 3**

**Priglašeni organi/Notified Body: 1015**

**Harmonizovaná norma/Harmonised standard: EN 442-1:2014**

**Deklarované vlastnosti/Declared performances**

Osnovne karakteristike/ Essential characteristics	Lastnost/Performance	Usklajene tehnične specifikacije /Harmonized technical specification
Reakcija na ogenj/Reaction to fire	A1	<b>EN 442-1: 2014</b>
Izpust nevarnih snovi/ Release of dangerous substances	IZPOLNJUJE STANDARD/NONE	
Preizkusni tlak/Pressure tightness	1,3 x največjega dovoljenega tlaka [kPa]/no leakage at 1,3 x MOP [kPa]	
Odpornost na pritisk/ Resistance to pressure	1,69 x največjega dovoljenega tlaka [kPa]/no breakage at 1,69 x MOP [kPa]	
Največji delovni tlak/ Maximum operating pressure (MOP)	1 200 kPa	
Temperatura površine/ Surface temperature	Največ 110 °C /Maximum 110 °C	
Nazivna toplotna moč / Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	glej dodatek 1-4/annex n.1-4	
Toplotna učinkovitost pod različnimi pogoji obratovanja (karakteristična enačba) /Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	glej dodatek 1-4/annex n.1-4	
<b>Trpežnost/Durability as:</b>		
Odpornost proti koroziji/ Resistance against corrosion	Brez korozije po 100 h vlažnosti /No corrosion after 100 h humidity	
Odpornost proti manjšim vplivom/ Resistance against minor impact	Razred 0/Class 0	

Lastnosti proizvoda, navedenega zgoraj, so v skladu z navedenimi lastnostmi. Za izdajo te izjave o lastnostih je v skladu z Uredbo (EU) št. 305/2011 odgovoren izključno proizvajalec, naveden zgoraj /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Krňha, CEO

**Datum a mesto izdaja/Date and place of issue**

**Ime in funkcija/Name and function**  
**Podpis/Signature**

**Nr/Number:** 01-2018

**Produkt/Product:** Konwektor ławkowy/Bench convectors  
Ławka grzewcza z płytą/Bench convectors with board  
Wymiennik ciepła/Separate heat exchangers

**Typové označení/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Oznaczenie typu/Intended use:** Układy grzewcze w budynkach/Heating systems in buildings

**Producent/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Republika Czeska/Czech Republic  
NIP/company ID: CZ60462183

**System oceny i weryfikacji stałości właściwości użytkowych**  
System of assessment and verification of constancy of performance: **SYSTEM 3/SYSTEM 3**

**Jednostka lub jednostki notyfikowane/Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

**Deklarované vlastnosti/Declared performances**

Zasadnicze charakterystyki/ Essential characteristics	Właściwości użytkowe/Performance	Zharmonizowana specyfikacja techniczna /Harmonized technical specification
Reakcja na ogień/Reaction to fire	A1	EN 442-1: 2014
Uwalnianie substancji niebezpiecznych/ Release of dangerous substances	Nie ma/NONE	
Szczelność pod działaniem ciśnienia/Pressure tightness	Brak przecieku przy ciśnieniu 1,3 krotnie większym od maksymalnego ciśnienia [kPa]/no leakage at 1,3 x MOP [kPa]	
Odporność na działanie ciśnienia/ Resistance to pressure	Brak pęknięć przy ciśnieniu 1,69 krotnie większym od maksymalnego dopuszczalnego ciśnienia roboczego [kPa]/no breakage at 1,69 x MOP [kPa]	
Maksymalne dopuszczalne ciśnienie robocze/ Maximum operating pressure (MOP)	1 200 kPa	
Temperatura powierzchni / Surface temperature	Maksymalnie 110 °C/Maximum 110 °C	
Nominalna moc cieplna/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	patrz załącznik nr 1-4/annex n.1-4	
Moc cieplna w różnych warunkach eksploatacyjnych (charakterystyka)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	patrz załącznik nr 1-4/annex n.1-4	
<b>Trwałość jako /Durability as:</b>		
Odporność na korozję/ Resistance against corrosion	Brak korozji pó 100 h w wilgoci/No corrosion after 100 h humidity	
Odporność na słabe uderzenia: / Resistance against minor impact	Klasa 0/Class 0	

Właściwości użytkowe określonego powyżej wyrobu są zgodne z zestawem deklarowanych właściwości użytkowych. Niniejsza deklaracja właściwości użytkowych wydana zostaje zgodnie z rozporządzeniem (UE) nr 305/2011 na wyłączną odpowiedzialność producenta określonego powyżej. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

**Datum i miejsce wystawienia/Date and place of issue**

**Imię i funkcja/Name and function**  
**Podpis/Signature**

Nr/Number:	01-2018
Product/Product:	Verwarming bank/Bench convectors Verwarming bank met plaatr/Bench convectors with board Warmtewisselaar/Separate heat exchangers
Producttype/Type of appliance:	KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX, KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX
Beoogd gebruik/Intended use:	Verwarming in gebouwen/Heating systems in buildings
Fabrikant/Manufacturer:	LICON HEAT s.r.o. Na Porici 1041/12 110 00 Praha 1 - Nove Mesto Tsjechië/Czech Republic Identificatienummer/company ID: CZ60462183

Het systeem of de systemen voor de beoordeling en verificatie van de prestatiebestendigheid  
System of assessment and verification of constancy of performance: **SYSTEM 3/SYSTEM 3**

Geharmoniseerde norm/Notified Body: **1015**

Harmonizovaná norma/Harmonised standard: EN 442-1:2014

Deklarované vlastnosti/Declared performances

Essentiële kenmerken / Essential characteristics	Prestaties/Performance	Geharmoniseerde technische specificatie/Harmonized technical specification
Gedrag bij brand/Reaction to fire	A1	EN 442-1: 2014
Vrijlating van gevaarlijke stoffen/ Release of dangerous substances	VOLDOET AAN DE NORM/NONE	
Druk Dichtheid/Pressure tightness	1,3 x van de maximale bedrijfsdruk [kPa]/no leakage at 1,3 x MOP [kPa]	
Drukbestendigheid/ Resistance to pressure	1,69 x van de maximale bedrijfsdruk [kPa]/ no breakage at 1,69 x MOP [kPa]	
Maximale bedrijfsdruk / Maximum operating pressure (MOP)	1 200 kPa	
Oppervlaktetemperatuur/ Surface temperature	Maximaal 110 °C /Maximum 110 °C	
Nominaal vermogen/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	zie appendix nr. 1-4/annex n.1-4	
Thermisch vermogen onder verschillende bedrijfsomstandigheden (karakteristieke vergelijking) /Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	zie appendix nr. 1-4/annex n.1-4	
Duurzaamheid/Durability as:		
Weerstand tegen corrosie / Resistance against corrosion	Zonder corrosie na 100 u vochtigheid/No corrosion after 100 h humidity	
Slagvastheid bij geringe impact/ Resistance against minor impact	Klasa 0/Class 0	

De prestaties van het hierboven omschreven product zijn conform de aangegeven prestaties. Deze prestatieverklaring wordt in overeenstemming met Verordening (EU) nr. 305/2011 onder de exclusieve verantwoordelijkheid van de hierboven vermelde fabrikant verstrekt./

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

Plaats en datum van afgifte/Date and place of issue

Naam en functie/Name and function  
Handtekening/Signature

**Száma/Number:** 01-2018

**Termék/Product:** Fűtési konvektorpad/Bench convectors  
Fűtési konvektorpad lemezzel/Bench convectors with board  
Hőcserélő/Separate heat exchangers

**Típusjelölés/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Felhasználás célja/Intended use:** Épületek fűtési rendszerei/Heating systems in buildings

**Gyártó/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Cseh Köztársaság /Czech Republic  
Cégszám /company ID: CZ60462183

**Az AVCP-rendszer /System of assessment and verification of constancy of performance:** SYSTEM 3/SYSTEM 3

**Bejelentett szerv/Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

### Deklarované vlastnosti/Declared performances

Alapvető tulajdonságok/ Essential characteristics	Teljesítmény/Performance	Harmonizált műszaki előírások /Harmonized technical specification
Tűzállóság/Reaction to fire	A1	EN 442-1: 2014
Veszélyes anyag kibocsátás / Release of dangerous substances	MEGFELEL A SZABVÁNYNAK/NONE	
Próbanyomás/Pressure tightness	1,3 x legnagyobb megengedett üzemi nyomás [kPa]/no leakage at 1,3 x MOP [kPa]	
Túlnyomás elleni védelem/ Resistance to pressure	1,69 x legnagyobb megengedett üzemi nyomás [kPa]/no breakage at 1,69 x MOP [kPa]	
Legnagyobb megengedett üzemi túlnyomás/ Maximum operating pressure (MOP)	1 200 kPa	
Felületi hőmérséklet/ Surface temperature	Maximum 110°C/Maximum 110 °C	
Névleges hőteljesítmény/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	lásd a mellékletet 1-4/annex n.1-4	
Tepelný výkon za odlišných provozních podmínek (charakteristická křivka)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	lásd a mellékletet 1-4/annex n.1-4	
Tartósság/Durability as:		
Korrózióállóság/ Resistance against corrosion	Nincs korrózió 100 h páratartalom után/No corrosion after 100 h humidity	
Ellenáll a kisebb ütődéseknek/ Resistance against minor impact	Osztály 0/Class 0	

A fent azonosított termék teljesítménye megfelel a bejelentett teljesítmény(ek)nek. A 305/2011/EU rendeletnek megfelelően e teljesítménynyilatkozat kiadásáért kizárólag a fent meghatározott gyártó a felelős. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Krňha, CEO

Kiállítás helye és dátuma/Date and place of issue

Név és beosztás/Name and function  
Aláírás/Signature

<b>№/Number:</b>	01-2018
<b>Изделие/Product:</b>	Отоплителни пейки/Bench convectors Отоплителни пейки с капак/Bench convectors with board Топлообменници/Separate heat exchangers
<b>Типово обозначение/ Type of appliance:</b>	KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX, KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX
<b>Предвидена употреба/ Intended use:</b>	Отоплителни системи в сгради/Heating systems in buildings
<b>Производител/Manufacturer:</b>	<b>LICON HEAT s.r.o.</b> Na Porici 1041/12 110 00 Praha 1 - Nove Mesto Чешка република/Czech Republic регистрационен номер/company ID: CZ60462183

**Система за оценяване и проверка на постоянството на експлоатационните показатели/  
System of assessment and verification of constancy of performance:** СИСТЕМА 3/SYSTEM 3

**Нотифициран орган/Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

### Декларирани експлоатационни показатели/Declared performances

Основни характеристики/ Essential characteristics	Експлоатационни показатели/Performance	Хармонизирана техническа спецификация /Harmonized technical specification
Реакция на огън/Reaction to fire	A1	EN 442-1: 2014
Освобождение на опасни вещества/ Release of dangerous substances	ОТГОВАРЯ НА НОРМА/NONE	
Изпитателно налягане/Pressure tightne	1,3 x от максимално работно налягане [kPa]/no leakage at 1,3 x MOP [kPa]	
Устойчивост срещу налягане/ Resistance to pressure	1,69 x от максимално работно налягане [kPa]/no breakage at 1,69 x MOP [kPa]	
Максимално работно налягане / Maximum operating pressure (MOP)	1 200 kPa	
Температура на повърхността / Surface temperature	Максимално 110°C/Maximum 110 °C	
Номинална топлинна мощност/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	види. Приложение № 1-4/annex n.1-4	
Топлинна мощност при различни експлоатационни условия (характеристична крива)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	види. Приложение № 1-4/annex n.1-4	
Продължителност като/Durability as:		
Устойчивост срещу корозия/ Resistance against corrosion	Липса на корозия след 100 h влажност/No corrosion after 100 h humidity	
Устойчивост при минимален натиск/ Resistance against minor impact	Клас 0/Class 0	

Експлоатационните показатели на продукта, посочени по-горе, са в съответствие с декларираните експлоатационни показатели. Настоящата декларация за експлоатационни показатели се издава в съответствие с Регламент (ЕС) № 305/2011, като отговорността за нея се носи изцяло от посочения по-горе производител. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

Дата и място на издаване/Date and place of issue

Име и длъжност/Name and function  
Подпис/Signature



**No/Number:** 01-2018

**Produit/Product:** Plinthes chauffante/Bench convectors  
Bancs chauffants/Bench convectors with board  
Échangeurs de chaleur/Separate heat exchangers

**Désignation du type/  
Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Usage prévu/Intended use:** **Systèmes de chauffage dans des bâtiments/Heating systems in buildings**

**Fabricant/Manufacturer:** **LICON HEAT s.r.o.**  
**Na Porici 1041/12**  
**110 00 Praha 1 - Nove Mesto**  
**République tchèque/Czech Republic**  
N° de SIRET/company ID: CZ60462183

**Système d'évaluation et de vérification de la constance des performances/  
System of assessment and verification of constancy of performance:** **SYSTEME 3/SYSTEM 3**

**Organisme notifié/Notified Body:** **1015**

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

**Performances déclarées/Declared performances**

Caractéristique essentielles/ Essential characteristics	Performance	Specifications techniques harmonisées /Harmonized technical specification
Réaction au feu/Reaction to fire	A1	EN 442-1: 2014
Relâchement des substances dangereuses/ Release of dangerous substances	CONFOMRE A LA NORME INONE	
Suppression d'essai/Pressure tightness	1,3 de la supression d'exploitation maximale [kPa]/no leakage at 1,3 x MOP [kPa]	
Résistance contre la supression/ Resistance to pressure	1,69 de la supression d'exploitation maximale [kPa]/no breakage at 1,69 x MOP [kPa]	
Supression d'exploitation maximale/ Maximum operating pressure (MOP)	1 200 kPa	
Temperature de la surface/ Surface temperature	Maximum 110 °C	
Puissance thermique nominale/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	voir Annexe 1-4/annex n.1-4	
Puissance thermique dans des différentes conditions d'exploitation (courbe caractéristique)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	voir Annexe 1-4/annex n.1-4	
<b>Résistance/Durability as:</b>		
Résistance à la corrosion/ Resistance against corrosion	Sans corrosion après 100 h dans le milieu humide/No corrosion after 100 h humidity	
Résistance contre une petite percussion/ Resistance against minor impact	Classe 0/Class 0	

Les performances du produit identifié ci-dessus sont conformes aux performances déclarées. Conformément au règlement (UE) no 305/2011, la présente déclaration des performances est établie sous la seule responsabilité du fabricant mentionné ci-dessus. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

Date et lieu de délivrance/Date and place of issue

Non et fonction/Name and function  
Signature/Signature

**Nr./Number:** 01-2018

**Produktas/Product:** Stendo konvektorius/Bench convectors  
Konvektoriaus stendas su plokštele/Bench convectors with board  
Šilumokaitis/Separate heat exchangers

**Tipo žymėjimas/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Naudojimo paskirtis/Intended use:** Pastatų šildymo sistemos/Heating systems in buildings

**Gamintojas/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Čekijos Respublika/Czech Republic  
Įmonės kodas/company ID: CZ60462183

**Eksploatacinių savybių pastovumo vertinimo ir tikrinimo sistema/  
System of assessment and verification of constancy of performance:** SISTEMA 3/SYSTEM 3

**Notifikuotoji įstaiga/Notified Body:** 1015

**Harmonizuotą normal/Harmonised standard:** EN 442-1:2014

**Deklaruojama eksploatacinė savybė/Declared performances**

Pagrindinės charakteristikos/ Essential characteristics	Savybė/Performance	Darniosios techninės specifikacijos /Harmonized technical specification
Reakcija į ugnį/Reaction to fire	A1	EN 442-1: 2014
Pavojingų medžiagų išskyrimas/ Release of dangerous substances	ATITINKA STANDARTĄ /NONE	
Bandymo slėgis/Pressure tightness	1,3x maksimalaus darbinio slėgio [kPa]/no leakage at 1,3 x MOP [kPa]	
Atsparumas slėgiui / Resistance to pressure	1,69x maksimalaus darbinio slėgio [kPa]/no breakage at 1,69 x MOP [kPa]	
Maksimalus darbinis slėgis/ Maximum operating pressure (MOP)	1 200 kPa	
Paviršiaus temperatūra / Surface temperature	Maksimaliai 110°C/Maximum 110 °C	
Vardinė šiluminė galia/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	žr. 1-4 priedą/annex n.1-4	
Šiluminė galia skirtingomis eksploatacinėmis sąlygomis (būdingoji lygtis)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	žr. 1-4 priedą/annex n.1-4	
Atsparumas/Durability as:		
Atsparumas korozijai/ Resistance against corrosion	Be korozijos po 100 val. drėgnoje aplinkoje/No corrosion after 100 h humidity	
Atsparumas nedideliam sutrenkimui/ Resistance against minor impact	Kategorija 0/Class 0	

**Nurodyto produkto eksploatacinės savybės atitinka visas deklaruotas eksploatacines savybes. Ši eksploatacinių savybių deklaracija pateikiama vadovaujantis Reglamentu (ES) Nr. 305/2011, atsakomybė už jos turinį tenka tik joje nurodytam gamintojui. /**

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Išdavimo data ir vieta/Date and place of issue

Martin Kniha, CEO

Varlas, pavadė ir pareigos/Name and function  
Parašas/Signature

**Číslo/Number:** 01-2018

**Výrobok/Product:** Vykurovacie lavice/Bench convectors  
Vykurovacie lavice s doskou/Bench convectors with board  
Vykurovací výmenník/Separate heat exchangers

**Typové označenie/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Zamýšľané použitie/Intended use:** Tepelné sústavy v budovách/Heating systems in buildings

**Výrobca/Manufacturer:** **LICON HEAT s.r.o.**  
**Na Porici 1041/12**  
**110 00 Praha 1 - Nove Mesto**  
**Česká Republika/Czech Republic**  
DIČ/company ID: CZ60462183

**System of assessment and verification of constancy of performance:** **SYSTEM 3/SYSTEM 3**

**Notifikovaný subjekt/Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

**Deklarované parametre /Declared performances**

Základní charakteristiky/ Essential characteristics	Vlastnosti/Performance	Harmonizované technické špecifikácie /Harmonized technical specification
Reakcia na oheň/Reaction to fire	A1	EN 442-1: 2014
Uvoľňovanie nebezpečných látok / Release of dangerous substances	NENÍ/NONE	
Skúšobný pretlak/Pressure tightness	1,3x maximálneho operačného tlaku [kPa]/no leakage at 1,3 x MOP [kPa]	
Odolnosť proti pretlaku/ Resistance to pressure	1,69x maximálneho operačného tlaku [kPa]/ no breakage at 1,69 x MOP [kPa]	
Maximálny prevádzkový tlak/ Maximum operating pressure (MOP)	1 200 kPa	
Teplota povrchu/ Surface temperature	Maximálne 110°C/Maximum 110 °C	
Menovitý tepelný výkon / Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	viz. príloha č. 1-4/annex n.1-4	
Tepelný výkon za odlišných prevádzkových podmienok (charakteristická rovnica)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	viz. príloha č. 1-4/annex n.1-4	
Odolnosť /Durability as:		
Odolnosť voči korózii/ Resistance against corrosion	Bez korózie po 100 h vo vlhkom prostredí /No corrosion after 100 h humidity	
Odolnosť voči malému nárazu/ Resistance against minor impact	Trieda 0/Class 0	

Uvedené parametre výrobku sú v zhode so súborom deklarovných parametrov. Toto vyhlásenie o parametroch sa v súlade s nariadením (EÚ) č. 305/2011 vydáva na výhradnú zodpovednosť uvedeného výrobcu. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniřa, CEO

.....  
Dátum a miesto vydania/Date and place of issue

.....  
Meno a funkcia/Name and function  
Podpis/Signature

**Nr./Number:** 01-2018

**Produce /Product:** încălzirea băncii/Bench convectors  
încălzirea băncii cu placă/Bench convectors with board  
Schimbător de căldură/Separate heat exchangers

**Tipul produsului/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Utilizare preconizată/Intended use:** Sisteme de incalzire pentru cladiri/Heating systems in buildings

**Fabricant/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Republica Cehă /Czech Republic  
Cod fiscal/company ID: CZ60462183

**Sistemul de evaluare și de verificare a constanței performanței/  
System of assessment and verification of constancy of performance:** SYSTEM 3/SYSTEM 3

**Organism notificat /Notified Body:** 1015

**Harmonizovaná norma/Harmonised standard:** EN 442-1:2014

**Performanțe declarate/Declared performances**

Základní charakteristiky/ Essential characteristics	Performanța/Performance	Specificație tehnică armonizată /Harmonized technical specification
Clasa de inflamabilitat/Reaction to fire	A1	EN 442-1: 2014
Emisia de substanțe periculoase/ Release of dangerous substances	NU ESTE CAZUL/NONE	
Presiune de testare/Pressure tightness	1.3 x presiunea maximă de lucru [kPa]/no leakage at 1,3 x MOP [kPa]	
Rezistența la presiune / Resistance to pressure	1.69 x presiunea maximă de lucru [kPa]/no breakage at 1,69 x MOP [kPa]	
Presiune maximă de lucru / Maximum operating pressure (MOP)	1 200 kPa	
Temperatura suprafeței / Surface temperature	Maxim 110 °C/Maximum 110 °C	
Putere termică / Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	vezi. Anexa 1-4/annex n.1-4	
Putere termică în diferite condiții de utilizare (curba caracteristică) /Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	vezi. Anexa 1-4/annex n.1-4	
Durabilitate ca și/Durability as:		
Rezistența la coroziune / Resistance against corrosion	Fără urme de coroziune după 100 de ore de umezeală /No corrosion after 100 h humidity	
Rezistența la impacturi minore/ Resistance against minor impact	Clasa 0/Class 0	

Performanța produsului identificat mai sus este în conformitate cu setul de performanțe declarate. Această declarație de performanță este eliberată în conformitate cu Regulamentul (UE) nr. 305/2011, pe răspunderea exclusivă a fabricantului identificat mai sus. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kriha, CEO

Data și locul emiterii/Date and place of issue

Numele și funcția/Name and function  
Semnătura/Signature

**Nr/Number:** 01-2018

**Toode/Product:** Kütte pink/Bench covectors  
Konvektori pink plaadiga /Bench covectors with board  
Soojusvaheti/Separate heat exchangers

**Tüübi tähis/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Kavandatud kasutusala/Intended use:** Hoonete küttesüsteemid/Heating systems in buildings

**Tootja/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Tšehhi Vabariik/Czech Republic  
KMK nr /company ID: CZ60462183

**Toimivuse püsivuse hindamise ja kontrolli süsteem/  
System of assessment and verification of constancy of performance:** **SUSTEEM 3/SYSTEM 3**

**Teavitatud asutus/Notified Body:** 1015

**Uhtlustatud standard /Harmonised standard:** EN 442-1:2014

### Deklareeritud toimivus/Declared performances

Põhiomadused/ Essential characteristics	Toimivus/Performance	Uhtlustatud tehniline kirjeldus /Harmonized technical specification
Tuletundlikkus/Reaction to fire	A1	EN 442-1: 2014
Ohtlike ainete eraldumine/ Release of dangerous substances	PUUDUB/NONE	
Tihedus/Pressure tightness	1,3-kordse maksimaalse lubatud tööülerõhu [kPa] korral lekked puuduvad/no leakage at 1,3 x MOP [kPa]	
Rõhukindlus/ Resistance to pressure	1,69-kordse maksimaalse lubatud tööülerõhu [kPa] korral radiaatori purunemise märgid puuduvad/no breakage at 1,69 x MOP [kPa]	
Maksimaalne lubatud tööülerõhk / Maximum operating pressure (MOP)	1 200 kPa	
Pinna temperatuur/ Surface temperature	Maksimaalselt 110°C/Maximum 110 °C	
Soojusvõimsused/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	Lisa nr 1-4/annex n.1-4	
Soojusvõimsus teistsugustes töötingimustes (karakteristikukõver) / Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	Lisa nr 1-4/annex n.1-4	
Püsivus/Durability as:		
Korrosioonikindlus/ Resistance against corrosion	Pärast 100 tundi niiskuse mõju korrosioon puudub/No corrosion after 100 h humidity	
Väiksemate löökide põhjustatud mehaanilise kahjustuse kindlus/ Resistance against minor impact	Klass 0/Class 0	

Eespool kirjeldatud toote toimivus vastab deklareeritud toimivusele. Käesolev toimivusdeklaratsioon on välja antud kooskõlas määrusega (EL) nr 305/2011 eespool nimetatud tootja ainuvastutusel. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

Väljaandmise kuupäev ja koht/Date and place of issue

Nimi ja amet/Name and function  
Allkiri/Signature

**Nr./Number:** 01-2018

**Produkts/Product:** Apkures stends/Bench convectors  
Apkures stends ar plāksni/Bench convectors with board  
Siltummainis/Separate heat exchangers

**Ierīces tips/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Paredzētais izmantojums/Intended use:** V otopných soustavách v budovách/Heating systems in buildings

**Ražotājs/Manufacturer:** **LICON HEAT s.r.o.**  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Čehijas republika /Czech Republic  
PVM maksātāja Nr. /company ID: CZ60462183

**Ekspluatācijas īpašību noturības novērtējuma un pārbaudes (AVCP) sistēma/  
System of assessment and verification of constancy of performance:** **SISTEMA 3/SYSTEM 3**

**Paziņotā iestāde/Notified Body:** **1015**

**Saskaņotais standarts/Harmonised standard:** EN 442-1:2014

**Deklarētā ekspluatācijas īpašība/Declared performances**

Pamata īpašības / Essential characteristics	Īpašības/Performance	Saskaņota tehniskā specifikācij/ Harmonized technical specification
Reakcija uz uguni/Reaction to fire	A1	EN 442-1: 2014
Bīstamo vielu izdalīšana /Release of dangerous substances	NAVINONE	
Hermētiskums/Pressure tightness	Kad 1,3 reiz pārsniedz maksimālo pieļaujamo darba spiedienu [kPa], radiatori ir hermētiski/no leakage at 1,3 x MOP [kPa]	
Izturība pret spiedienu/ Resistance to pressure	Kad 1,69 reiz pārsniedz maksimālo pieļaujamo darba spiedienu [kPa], radiatoru bojājumu nav/no breakage at 1,69 x MOP [kPa]	
Maksimālais pieļaujamais darba spiediens/Maximum operating pressure (MOP)	1 200 kPa	
Virsmas temperatūra / Surface temperature	Maksimāli 110°C /Maximum 110 °C	
Siltuma atdeve/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	skat 1.-4. papildinājums/annex n.1-4	
Siltuma atdeve esot atšķirīgiem ekspluatācijas apstākļiem (raksturīkne)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	skat 1.-4. papildinājums/annex n.1-4	
Izturība kā/Durability as:		
Izturība pret koroziju/ Resistance against corrosion	Nekāda korozija pēc 100 stundām mitrumā /No corrosion after 100 h humidity	
Izturība pret mehāniskiem bojājumiem no mazākiem triecieniem/ Resistance against minor impact	Klase 0/Class 0	

Iepriekš norādītā izstrādājuma ekspluatācijas īpašības atbilst deklarēto ekspluatācijas īpašību kopumam.

Šī ekspluatācijas īpašību deklarācija izdota saskaņā ar Regulu (ES) Nr. 305/2011, un par to ir atbildīgs vienīgi iepriekš norādītais ražotājs.

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

Izdošanas datums un vieta/Date and place of issue

Vārds un uzvārds /Name and function  
Paraksts/Signature

**Määrä/Number:** 01-2018

**Tuote/Product:** Penkki convectors/Bench convectors  
Penkkihokit laudalla/Bench convectors with board  
Erilliset lämmönvaihtimet/Separate heat exchangers

**Laitteen tyyppi/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Aiottu käyttötarkoitus/Intended use:** Rakennusten lämmitysjärjestelmät/Heating systems in buildings

**Valmistaja/Manufacturer:** LICON HEAT s.r.o.  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Česká Republika/Czech Republic  
DIČ/company ID: CZ60462183

**Suoritustason pysyvyyden arvioinnissa ja varmentamisessa käytetty järjestelmä/**  
System of assessment and verification of constancy of performance: **Järjestelmä3 /SYSTEM 3**

**Ilmoitettu laitos/Notified Body:** 1015

**Yhdenmukaistettu standardi/Harmonised standard:** EN 442-1:2014

### Ilmoitetut suoritusastot/Declared performances

Perusominaisuudet/ Essential characteristics	Ominaisuudet/Performance	Yhdenmukaistettu tekninen erittely /Harmonized technical specification
/ Reaction to fire/Reaction to fire	A1	EN 442-1: 2014
Vaarallisten aineiden vapautuminen Release of dangerous substances	Yhtäpitävyys direktiiviin/NONE	
Testauspaine/Pressure tightness	1,3 x maksimityöpaine [kPa]/no leakage at 1,3 x MOP [kPa]	
Paineenkestävyys/ Resistance to pressure	1,69 x maksimityöpaine [kPa]/no breakage at 1,69 x MOP [kPa]	
Maksimityöpaine/ Maximum operating pressure (MOP)	1 200 kPa	
Pinnan lämpötila/ Surface temperature	Maksimi 110°C/Maximum 110 °C	
Nimellislämpöteho/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	katso lisäys 1-4/annex n.1-4	
Lämpöteho eri käyttöolosuhteissa (ominaiskäyrä)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	katso lisäys 1-4/annex n.1-4	
Kestävyys/Durability as:		
Korroosionkesto/ Resistance against corrosion	Žádná koroze po vystavení vlhkosti na dobu 100 hodin/No corrosion after 100 h humidity	
Pienten iskujen kestävyys/ Resistance against minor impact	Luokka 0/Class 0	

Edellä yksilöidyn tuotteen suoritusastot on ilmoitettujen suoritusastojen joukon mukainen. Tämä suoritusastoilmoitus on asetuksen (EU) N:o 305/2011 mukaisesti annettu edellä ilmoitetun valmistajan yksinomaisella vastuulla. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kniha, CEO

Aika ja paikka /Date and place of issue

Nimi ja tehtävä /Name and function  
Allekirjoitus /Signature

**Br./Number:** 01-2018

**Proizvod/Product:** Klupa konvektora/Bench convectors  
Klupa konvektora s pločom/Bench convectors with board  
Izmjenjivač topline/Separate heat exchangers

**Vrsta uređaja/Type of appliance:** KORALINE LKX, KORALINE LKE, KORALINE LKP, KORALINE LDE, KORALINE LDX,  
KORABASE BVE, KORABASE BPE, KORABASE BVX, KORABASE BPX

**Namjena/Intended use:** V otopných soustavách v budovách/Heating systems in buildings

**Proizvođač/Manufacturer:** **LICON HEAT s.r.o.**  
Na Porici 1041/12  
110 00 Praha 1 - Nove Mesto  
Češka Republika /Czech Republic  
PDV broj /company ID: CZ60462183

**Sustav za ocjenu i provjeru stalnosti svojstava (AVCP)/**  
System of assessment and verification of constancy of performance: **SUSTAV 3/SYSTEM 3**

**Prijavljeno tijelo/Notified Body:** **1015**

**Usklađena norma/Harmonised standard:** EN 442-1:2014

**Objavljena svojstva/Declared performances**

Bitna svojstva/ Essential characteristics	Izvedba/Performance	Usklađene tehničke specifikacije /Harmonized technical specification
Reakcija na plamen/Reaction to fire	A1	<b>EN 442-1: 2014</b>
Oslobađanje opasnih tvari Release of dangerous substances	NEMA/NONE	
Tlačno brtvljenje/Pressure tightness	Bez propuštanja pri 1,3 x MOP [kPa]/no leakage at 1,3 x MOP [kPa]	
Otpornost na tlak/ Resistance to pressure	Bez pucanja pri 1,69 x MOP [kPa]/no breakage at 1,69 x MOP [kPa]	
Maksimalni radni tlak/ Maximum operating pressure (MOP)	1 200 kPa	
Površinska temperatura/ Surface temperature	Nejviše 110 °C/Maximum 110 °C	
Nazivne tolinke energije/ Rated thermal outputs ( $\Phi_{30}$ , $\Phi_{50}$ ) [W]	prilog 1-4/annex n.1-4	
Toplinska energija u različitim radnim uvjetima (radna krivulja)/Thermal output in different operating conditions (characteristic curve), $\Phi = K_M \cdot \Delta T^n$	prilog 1-4/annex n.1-4	
Trajnost kao/Durability as:		
Otpornost na koroziju/ Resistance against corrosion	Bez korozije nakon 100 h vlažnosti/No corrosion after 100 h humidity	
Otpornost na manje udarce/ Resistance against minor impact	Razred 0/Class 0	

Prije utvrđeno svojstvo proizvoda u skladu je s objavljenim svojstvima. Ova izjava o svojstvima izdaje se, u skladu s Uredbom (EU) br. 305/2011, pod isključivom odgovornošću prethodno utvrđenog proizvođača. /

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Liberec, 03.02.2018

Martin Kriha, CEO

Datum i mjesto izdavanja/Date and place of issue

Ime i funkcija/Name and function  
Potpis/Signature



**KORALINE Exclusive LKX**

Délka/length	t <sub>1</sub> /t <sub>2</sub> /t <sub>i</sub> [°C]	výška/height 90			výška/height 150				výška/height 230				výška/height 300			
		šířka/width			šířka/width				šířka/width				šířka/width			
		130	180	230	80	130	180	230	80	130	180	230	80	130	180	230
<b>600</b>	75/65/20	203	322	454	149	264	471	579	208	295	555	683	223	317	610	750
	65/55/20	148	236	334	108	194	343	420	151	216	405	497	162	232	446	547
	55/45/20	99	158	225	71	130	228	279	100	145	270	330	108	155	298	364
<b>700</b>	75/65/20	252	397	563	185	336	584	737	258	375	689	869	277	404	757	955
	65/55/20	184	291	415	134	247	426	535	188	275	503	633	201	296	553	697
	55/45/20	123	195	279	88	165	283	355	125	184	335	420	133	198	369	464
<b>800</b>	75/65/20	301	473	673	221	409	698	895	308	456	823	1056	331	491	904	1160
	65/55/20	220	347	495	160	300	508	650	224	334	601	769	241	359	661	846
	55/45/20	147	233	333	105	201	338	431	149	223	400	511	159	240	441	563
<b>900</b>	75/65/20	350	548	783	257	481	812	1053	358	536	957	1242	385	578	1051	1365
	65/55/20	256	402	576	186	353	591	765	261	393	699	905	280	423	769	996
	55/45/20	171	270	388	122	236	393	507	173	263	465	601	185	282	513	663
<b>1000</b>	75/65/20	399	624	892	293	553	925	1211	408	617	1091	1429	439	664	1198	1570
	65/55/20	292	458	657	212	405	674	880	297	452	796	1040	319	486	876	1145
	55/45/20	195	307	442	140	272	448	583	197	302	531	691	211	325	585	763
<b>1100</b>	75/65/20	448	699	1002	329	625	1039	1369	459	698	1225	1615	493	751	1346	1775
	65/55/20	327	513	737	238	458	757	995	334	511	894	1176	358	549	984	1295
	55/45/20	219	344	496	157	307	503	659	221	342	596	781	237	367	657	862
<b>1200</b>	75/65/20	497	775	1112	365	697	1153	1527	509	778	1359	1802	547	838	1493	1980
	65/55/20	363	568	818	264	511	839	1110	370	570	992	1312	397	613	1091	1444
	55/45/20	243	381	551	174	343	558	735	246	381	661	872	263	410	729	962
<b>1400</b>	75/65/20	595	926	1331	437	842	1380	1843	609	939	1627	2175	654	1011	1787	2390
	65/55/20	435	679	979	316	617	1005	1339	443	688	1188	1584	476	740	1307	1743
	55/45/20	291	456	659	208	414	668	888	294	460	791	1052	315	494	873	1161
<b>1600</b>	75/65/20	693	1077	1550	509	986	1607	2159	709	1100	1895	2548	762	1185	2082	2800
	65/55/20	507	790	1140	368	723	1171	1569	516	806	1383	1855	554	867	1522	2042
	55/45/20	338	530	768	243	485	778	1040	343	539	922	1233	367	579	1016	1360
<b>1800</b>	75/65/20	791	1228	1769	581	1130	1834	2475	810	1261	2164	2921	870	1358	2376	3210
	65/55/20	578	901	1302	420	829	1336	1799	589	924	1579	2127	632	993	1737	2341
	55/45/20	386	604	876	277	556	888	1192	391	618	1052	1413	419	664	1160	1559
<b>2000</b>	75/65/20	889	1379	1988	653	1275	2062	2791	910	1422	2432	3294	978	1532	2671	3620
	65/55/20	650	1011	1463	472	935	1502	2029	662	1042	1775	2399	711	1120	1953	2640
	55/45/20	434	678	985	311	627	998	1344	439	697	1182	1594	471	749	1304	1758
<b>2200</b>	75/65/20	987	1530	2208	725	1419	2289	3108	1010	1584	2700	3667	1086	1705	2965	4030
	65/55/20	721	1122	1624	524	1041	1667	2258	735	1160	1970	2670	789	1247	2168	2939
	55/45/20	482	753	1094	346	698	1108	1497	488	776	1313	1774	523	834	1448	1957
<b>2400</b>	75/65/20	1084	1681	2427	797	1564	2516	3424	1111	1745	2968	4040	1194	1878	3260	4440
	65/55/20	793	1233	1786	576	1147	1833	2488	808	1278	2166	2942	868	1374	2383	3238
	55/45/20	530	827	1202	380	769	1218	1649	536	855	1443	1954	575	918	1591	2156
<b>2600</b>	75/65/20	1182	1832	2646	869	1708	2744	3740	1211	1906	3236	4413	1301	2052	3554	4850
	65/55/20	865	1344	1947	629	1252	1998	2718	881	1396	2362	3214	946	1501	2598	3537
	55/45/20	578	901	1311	414	840	1328	1801	585	934	1573	2135	627	1003	1735	2355
<b>2800</b>	75/65/20	1280	1983	2865	941	1852	2971	4056	1311	2067	3504	4786	1409	2225	3849	5260
	65/55/20	936	1455	2108	681	1358	2164	2948	954	1514	2557	3485	1024	1628	2814	3836
	55/45/20	626	976	1419	448	911	1438	1953	633	1013	1704	2315	679	1088	1879	2554
<b>3000</b>	75/65/20	1378	2134	3085	1013	1997	3198	4372	1412	2228	3772	5159	1517	2399	4143	5670
	65/55/20	1008	1565	2270	733	1464	2330	3177	1027	1632	2753	3757	1103	1755	3029	4135
	55/45/20	673	1050	1528	483	982	1548	2106	682	1092	1834	2496	731	1173	2023	2753
<b>Teplovní exponent/ K<sub>M</sub> [-]</b>		1,402	1,388	1,375	1,450	1,390	1,420	1,430	1,425	1,396	1,412	1,422	1,430	1,401	1,404	1,414
<b>Charakteristic curve</b>		2,873	4,720	7,144	1,748	4,288	6,207	8,026	2,690	4,678	7,579	9,797	2,837	4,938	8,580	11,089
<b>Účinná část výměníku/Effective</b>		L-186	L-174	L-186	L-186	L-234	L-186	L-234	L-186	L-234	L-186	L-234	L-186	L-234	L-186	L-234

Tabulka 1/Table 1

KORALINE Exclusive LKE													
Délka/length	t <sub>1</sub> /t <sub>2</sub> /t <sub>i</sub> [°C]	výška/height 90			výška/height 150			výška/height 230			výška/height 300		
		šířka/width			šířka/width			šířka/width			šířka/width		
		130	180	230	130	180	230	130	180	230	130	180	230
600	75/65/20	203	322	454	264	471	579	295	555	683	317	610	750
	65/55/20	148	236	334	194	343	420	216	405	497	232	446	547
	55/45/20	99	158	225	130	228	279	145	270	330	155	298	364
700	75/65/20	252	397	563	336	584	737	375	689	869	404	757	955
	65/55/20	184	291	415	247	426	535	275	503	633	296	553	697
	55/45/20	123	195	279	165	283	355	184	335	420	198	369	464
800	75/65/20	301	473	673	409	698	895	456	823	1056	491	904	1160
	65/55/20	220	347	495	300	508	650	334	601	769	359	661	846
	55/45/20	147	233	333	201	338	431	223	400	511	240	441	563
900	75/65/20	350	548	783	481	812	1053	536	957	1242	578	1051	1365
	65/55/20	256	402	576	353	591	765	393	699	905	423	769	996
	55/45/20	171	270	388	236	393	507	263	465	601	282	513	663
1000	75/65/20	399	624	892	553	925	1211	617	1091	1429	664	1198	1570
	65/55/20	292	458	657	405	674	880	452	796	1040	486	876	1145
	55/45/20	195	307	442	272	448	583	302	531	691	325	585	763
1100	75/65/20	448	699	1002	625	1039	1369	698	1225	1615	751	1346	1775
	65/55/20	327	513	737	458	757	995	511	894	1176	549	984	1295
	55/45/20	219	344	496	307	503	659	342	596	781	367	657	862
1200	75/65/20	497	775	1112	697	1153	1527	778	1359	1802	838	1493	1980
	65/55/20	363	568	818	511	839	1110	570	992	1312	613	1091	1444
	55/45/20	243	381	551	343	558	735	381	661	872	410	729	962
1400	75/65/20	595	926	1331	842	1380	1843	939	1627	2175	1011	1787	2390
	65/55/20	435	679	979	617	1005	1339	688	1188	1584	740	1307	1743
	55/45/20	291	456	659	414	668	888	460	791	1052	494	873	1161
1600	75/65/20	693	1077	1550	986	1607	2159	1100	1895	2548	1185	2082	2800
	65/55/20	507	790	1140	723	1171	1569	806	1383	1855	867	1522	2042
	55/45/20	338	530	768	485	778	1040	539	922	1233	579	1016	1360
1800	75/65/20	791	1228	1769	1130	1834	2475	1261	2164	2921	1358	2376	3210
	65/55/20	578	901	1302	829	1336	1799	924	1579	2127	993	1737	2341
	55/45/20	386	604	876	556	888	1192	618	1052	1413	664	1160	1559
2000	75/65/20	889	1379	1988	1275	2062	2791	1422	2432	3294	1532	2671	3620
	65/55/20	650	1011	1463	935	1502	2029	1042	1775	2399	1120	1953	2640
	55/45/20	434	678	985	627	998	1344	697	1182	1594	749	1304	1758
2200	75/65/20	987	1530	2208	1419	2289	3108	1584	2700	3667	1705	2965	4030
	65/55/20	721	1122	1624	1041	1667	2258	1160	1970	2670	1247	2168	2939
	55/45/20	482	753	1094	698	1108	1497	776	1313	1774	834	1448	1957
2400	75/65/20	1084	1681	2427	1564	2516	3424	1745	2968	4040	1878	3260	4440
	65/55/20	793	1233	1786	1147	1833	2488	1278	2166	2942	1374	2383	3238
	55/45/20	530	827	1202	769	1218	1649	855	1443	1954	918	1591	2156
2600	75/65/20	1182	1832	2646	1708	2744	3740	1906	3236	4413	2052	3554	4850
	65/55/20	865	1344	1947	1252	1998	2718	1396	2362	3214	1501	2598	3537
	55/45/20	578	901	1311	840	1328	1801	934	1573	2135	1003	1735	2355
2800	75/65/20	1280	1983	2865	1852	2971	4056	2067	3504	4786	2225	3849	5260
	65/55/20	936	1455	2108	1358	2164	2948	1514	2557	3485	1628	2814	3836
	55/45/20	626	976	1419	911	1438	1953	1013	1704	2315	1088	1879	2554
3000	75/65/20	1378	2134	3085	1997	3198	4372	2228	3772	5159	2399	4143	5670
	65/55/20	1008	1565	2270	1464	2330	3177	1632	2753	3757	1755	3029	4135
	55/45/20	673	1050	1528	982	1548	2106	1092	1834	2496	1173	2023	2753
Teplotní exponent/		1,402	1,388	1,375	1,390	1,420	1,430	1,396	1,412	1,422	1,401	1,404	1,414
K <sub>M</sub> [-]		2,873	4,720	7,144	4,288	6,207	8,026	4,678	7,579	9,797	4,938	8,580	11,089
Charakteristic curve		$\Phi = K_M \cdot \Delta T^n$											
Účinná část výměníku/ Effective		L-186	L-174	L-186	L-234	L-186	L-234	L-234	L-186	L-234	L-234	L-186	L-234

Tabulka 2/Table 2

KORABASE Exclusive; KORABASE Economic								
Délka/length	t <sub>1</sub> /t <sub>2</sub> /t <sub>i</sub> [°C]	BP 11	BV/BP 21	BV/BP 22	BV/BP 31	BV/BP 32	BV/BP 41	BV/BP 42
		Šířka × výška/Width x height						
		50 x 50	100 x 50	100 x 100	150 x 50	150 x 100	200 x 50	200 x 100
800	75/65/20	222	478	622	669	969	989	1314
	65/55/20	164	356	453	499	705	744	958
	55/45/20	112	244	302	342	468	516	638
1000	75/65/20	285	613	800	870	1248	1274	1692
	65/55/20	211	457	584	648	908	959	1234
	55/45/20	143	313	388	444	602	665	822
1200	75/65/20	348	748	979	1070	1526	1558	2070
	65/55/20	258	558	714	798	1110	1173	1510
	55/45/20	175	382	475	546	737	813	1005
1400	75/65/20	411	883	1158	1271	1805	1843	2448
	65/55/20	305	659	845	947	1313	1387	1786
	55/45/20	207	451	562	648	871	962	1189
1600	75/65/20	475	1019	1337	1471	2084	2128	2826
	65/55/20	351	759	975	1096	1516	1601	2062
	55/45/20	239	520	649	751	1006	1110	1373
1800	75/65/20	538	1154	1516	1672	2363	2412	3204
	65/55/20	398	860	1105	1246	1719	1816	2337
	55/45/20	270	589	736	853	1140	1259	1556
2000	75/65/20	601	1289	1695	1872	2641	2697	3582
	65/55/20	445	961	1236	1395	1921	2030	2613
	55/45/20	302	658	823	955	1275	1407	1740
2200	75/65/20	664	1424	1874	2073	2920	2981	3961
	65/55/20	492	1062	1366	1545	2124	2244	2889
	55/45/20	334	727	909	1057	1409	1556	1924
2400	75/65/20	727	1559	2052	2273	3199	3266	4339
	65/55/20	539	1163	1497	1694	2327	2458	3165
	55/45/20	366	796	996	1160	1544	1704	2107
2600	75/65/20	790	1695	2231	2473	3478	3551	4717
	65/55/20	585	1263	1627	1843	2530	2672	3441
	55/45/20	398	865	1083	1262	1678	1853	2291
2800	75/65/20	853	1830	2410	2674	3757	3835	5095
	65/55/20	632	1364	1758	1993	2733	2887	3716
	55/45/20	429	934	1170	1364	1813	2001	2475
3000	75/65/20	917	1965	2589	2874	4035	4120	5473
	65/55/20	679	1465	1888	2142	2935	3101	3992
	55/45/20	461	1003	1257	1466	1948	2150	2658
Teplotní exponent/ K <sub>M</sub> [-]		1,3452	1,3162	1,3176	1,2735	1,4151	1,4262	1,4137
Charakteristic curve		$\Phi = K_M \cdot \Delta T^n$						
Účinná část výměníku/ Effective		L-97	L-93	L-132	L-105	L-105	L-105	L-105

Tabulka 3/Table 3

KORALINE s deskou/KORALINE with board			
Délka/length	t <sub>1</sub> /t <sub>2</sub> /t <sub>i</sub> [°C]	výška/height 300	výška/height 450
		šířka/width 265	šířka/width 315
1000	75/65/20	721	1483
	65/55/20	524	1088
	55/45/20	348	730
1200	75/65/20	934	1891
	65/55/20	679	1388
	55/45/20	450	931
1400	75/65/20	1147	2300
	65/55/20	834	1688
	55/45/20	553	1133
1600	75/65/20	1360	2708
	65/55/20	989	1988
	55/45/20	656	1334
1800	75/65/20	1573	3117
	65/55/20	1144	2287
	55/45/20	758	1535
2000	75/65/20	1786	3525
	65/55/20	1299	2587
	55/45/20	861	1736
Teplotní exponent/		1,429	1,3864
K <sub>M</sub> [-]		3,4882	8,3426
Charakteristická rovnice/		$\Phi = K_M \cdot \Delta T^n$	
Účinná část výměníku/ Effective		L-323	L-274

Tabulka 4/Table 4