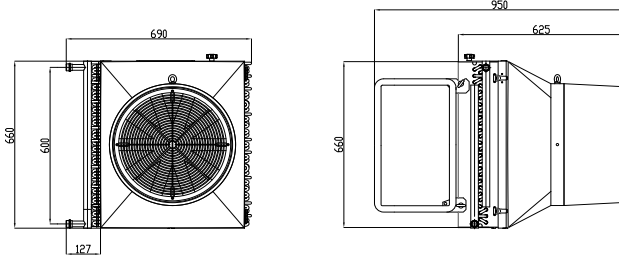


CATALOGUE CARD LEO AGRO SP

KK LEO AGRO SP 14.02 EN

MAIN DIMENSIONS





GENERAL INFORMATION

Fan heater dedicated for agricultural and aggressive environment. Casing made of ABS material and heat exchanger coated with special layer proof the unit against corrosion. Fan is equipped with single phase, IP 66 motor. Lamellas on the exchanger are thicker than ordinary and can be cleaned with pressured water. Main purposes:

- Chicken farms

TECHNICAL DATA

			
Fan	Axial, single phase alternating current (AC).	Exchanger	Three row Cu-Al with special coat layer
Maximum airflow	4600 m ³ /h	Heating capacity**	56,2 kW
Power supply	230V / 50 Hz	Air temperature rise (ΔT)**	34,0 °C
Current consumption	2,8 A	Connection	3/4"
Power consumption	645 W	Maximum operating pressure	1,6 MPa
IP / insulation class	66/F	Maximum temperature of heating medium	95 °C
Acoustic pressure level*	62 dB(A)*		

		Advantages	
Casing	ABS Material	Easy cleaned exchanger with larger gap between thicker lamellas	
Color	Gray	Coated exchanger protected against corrosion factors	
Weight	27,3 kg	Easy access to interior of the unit by the locking latches connecting the heat exchanger with confusor, what significantly reduces time and simplifies all service and maintenance work.	
Weight: unit filled with	31 kg	High level of insulation of motor fan (IP66)	
Installation	Indoor	Stepless outlet air blades regulation	
Positioning	Horizontal, vertical		
Air stream range***	28 m		

*Acoustic pressure level measured in the room of average sound absorption, capacity 500m³at distance of 5 m from the unit.

**Maximum air flow, water temperature 90/70, air inlet temperature 0oC.

*** Range of isothermal horizontal stream, limit speed 0,5m/s.

HEATING CAPACITIES

$V = 4600\text{m}^3/\text{h}$

Tw1/Tw2 = 90/70°C					Tw1/Tw2 = 80/60°C				
TP1	PT	Qw	Δp_w	TP2	TP1	PT	Qw	Δp_w	TP2
°C	kW	l/h	kPa	°C	°C	kW	l/h	kPa	°C
0	56,2	2480	20,0	34,0	0	48,6	2140	16,0	29,4
5	52,0	2290	17,0	37,0	5	44,5	1950	13,0	32,4
10	47,8	2110	15,0	40,0	10	40,4	1780	11,0	35,3
15	43,8	1930	13,0	43,0	15	36,4	1600	10,0	38,2
20	39,8	1750	11,0	46,0	20	32,6	1430	8,0	41,1
25	35,9	1580	10,0	48,5	25	28,7	1260	6,0	44,0
30	32,1	1420	8,0	51,5	30	25,0	1100	6,0	47,0
Tw1/Tw2 = 70/50°C					Tw1/Tw2 = 70/40°C				
0	41,0	1800	12,0	25,0	0	35,6	1040	6,0	21,5
5	36,9	1620	11,0	28,0	5	31,5	920	5,0	24,5
10	33,0	1440	9,0	30,5	10	27,5	800	4,0	27,5
15	29,1	1270	7,0	33,5	15	23,6	690	3,0	30,0
20	25,3	1110	6,0	36,5	20	19,7	570	2,0	33,0
25	21,5	940	5,0	39,0	25	15,8	460	1,0	35,5
30	17,8	780	3,0	42,0	30	11,9	350	1,0	38,0
Tw1/Tw2 = 60/40°C									
0	33,4	1450	9,0	20,0					
5	29,4	1280	7,0	23,0					
10	25,5	1110	7,0	26,0					
15	21,6	940	5,0	29,0					
20	17,9	780	4,0	31,5					
25	14,1	610	2,0	34,5					
30	10,3	450	1,0	37,0					

V - przepływ powietrza

PT - moc grzewcza

TP1 - temperatura powietrza na wlocie do aparatu

TP2 - temperatura powietrza na wylocie z aparatu


Tw1 - temperatura wody na zasilaniu wymiennika

Tw2 - temperatura wody na powrocie z wymiennika

Qw - strumień przepływu wody grzewczej

Δp_w - spadek ciśnienia wody w wymienniku

CONTROLLERS

R55		Room thermostat IP55	SRV2d		2-way valve 3/4" with actuator
TRa		fan speed regulator 3A	SRV3d		3-way valve 3/4" with actuator

Detailed information concerning mounting and electrical connections are available in the technical documentation of the device.

