

## ELECTRIC DUCT HEATERS WITH BUILT-IN CONTROL EKA NV/EKA NI/EKA NIS



- ALUZINC CASING
- STAINLESS STEEL HEATING ELEMENTS
- ROLLED RUBBER SEALS FOR DUCT CONNECTION
- TWO-STAGE OVERHEAT PROTECTION
- BUILT-IN TEMPERATURE CONTROL

Circular electric duct heaters type EKA NV, EKA NI, EKA NIS are designed to heat individual and industrial premises, or can be used for air handling units. Electric heaters EKA NV,-NI,-NIS are with built-in temperature controllers.

Heaters EKA NV with built in controls contains temperature regulator which works by algorithm impulse/pause, that enables fine temperature control. Regulator controls load by triacs without moving parts, witch causes no-noise commutation. Potentiometer is used to set temperature. Manual thermal contact restoration button and temperature set point are located on the case of a heater. The duct temperature sensor is needed.

Heaters EKA ...NI with built in controls, contains temperature regulator which works by algorithm impulse/pause, that enables fine temperature control. Regulator controls load by triacs without moving parts, witch causes no-noise commutation. External temperature setpoint must be connected separately. The button of manual restoration located on the case of a heater. The duct temperature sensor and potentiometer is needed.

Heaters EKA ...NIS with built in controls, contains temperature regulator which works by algorithm impulse/pause, that enables fine temperature control. Regulator controls load by triacs without moving parts, witch causes no-noise commutation. The button of manual restoration located on the case of a heater. The external control signal (0-10V) is needed. The ratio between On-time and Off-time is varied 0-100% to suit the prevailing heat demand.

Type	Diameter	Min. airflow [m <sup>3</sup> /h]	Voltage [V/50Hz]	Power [kW]
EKA NV/NI/NIS 100	100	40	1-230	0.3,0.6,0.9,1.2
EKA NV/NI/NIS 125	125	70	1-230	0.3, 0.6, 0.9, 1.2, 1.8, 2.4
EKA NV/NI/NIS 160	160	110	1-230	0.3, 0.6, 0.9, 1.2, 1.8, 2.4
			2-400	3.0, 5.0, 6.0
			3-400	6.0
EKA NV/NI/NIS 200	200	170	1-230	0.9, 1.2, 2.0, 2.4, 3.0
			2-400	3.0, 5.0, 6.0
			3-400	6.0
EKA NV/NI/NIS 250	250	270	1-230	1.2, 2.0, 2.4, 3.0
			2-400	3.0, 5.0, 6.0
			3-400	6.0, 9.0, 12.0
EKA NV/NI/NIS 315*	315	415	1-230	1.2, 2.0, 2.4, 3.0
			2-400	3.0, 5.0, 6.0
			3-400	6.0, 9.0, 12.0
EKA NV/NI/NIS 400	400	690	1-230	3.0, 5.0, 6.0
			2-400	3.0, 5.0, 6.0
			3-400	6.0, 9.0, 12.0, 15.0, 18.0
EKA NV/NI/NIS 500	500	1060	2-400	3.0, 5.0, 6.0
			3-400	6.0, 9.0, 12.0, 15.0, 18.0, 24.0