ELECTRIC DUCT HEATERS WITH BUILT-IN CONTROL EKA NV PTC

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

Electric heaters EKA...NV PTC are designed to heat clean air in ventilation systems and react to air flow in the duct. Air flow through the heater can't be less than 1,5 m/s. If there is an air flow in the duct, PTC sensor gives a signal, which allows to begin heating, depending on heating value set on the heater. If there is no air flow through the heater, heating is blocked (regardless from heating need).

Heaters EKA ...NV PTC with integrated temperature control 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.

Heater is powered from the mains and contactor runs heating via differential pressure switch PS. Pressure switch PS runs when pressure difference occurs in the duct.

Type	Diameter	Min. airflow [m3/h]	Voltage [V/50Hz]	Power [kW]
EKA NV PTC PS 100	100	40	1~230	0.3,0.6,0.9,1.2
EKA NV PTC PS 125	125	70	1~230	0.3, 0.6, 0.9, 1.2, 1.8, 2.4
EKA NV PTC PS 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 PTC PS 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 PTC PS 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 PTC PS 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 PTC PS 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 PTC PS 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