

HEATING | COOLING | VENTILATION

INDU EFFECT®

Energy-efficient industrial Air Curtain


Versatile

HEATING, COOLING & VENTILATION

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Technical Data > Indu Effect

Type	Air volume	Heating capacity water 60°/40°	Water resistance 60°/40°	Water connections 60°/40°	Electric fan supply			Sound pressure	Weight
	m ³ /h	kW **	Pa	female thread	Volt	Nominal capacity		db(A)*	kg
						kW	A		

Indu Effect with heating

1200 P	7000	27	10500	2 x 1"	400	0.6	1.6	67	82
1800 P	10500	41	12000	2 x 1"	400	0.9	2.4	69	125
2400 P	14000	55	13000	2 x 1 1/4"	400	1.2	3.2	71	165
3000 P	17500	68	14500	2 x 1 1/4"	400	1.9	4	72	205

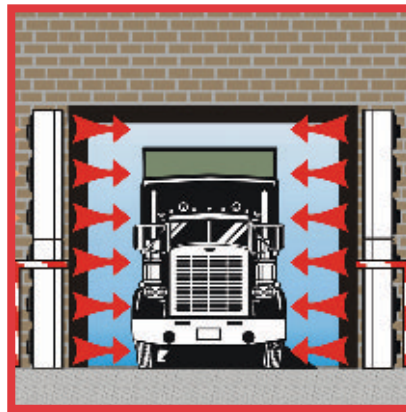
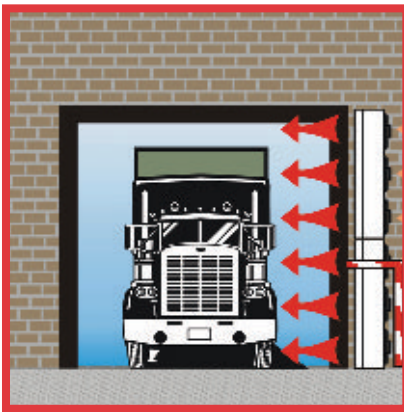
Indu Effect without heating

1200 K	7000	-	-	-	400	0.6	1.6	67	76
1800 K	10500	-	-	-	400	0.9	2.4	69	112
2400 K	14000	-	-	-	400	1.2	3.2	71	148
3000 K	17500	-	-	-	400	1.9	4	72	180

* Measured at a distance of 3 metres

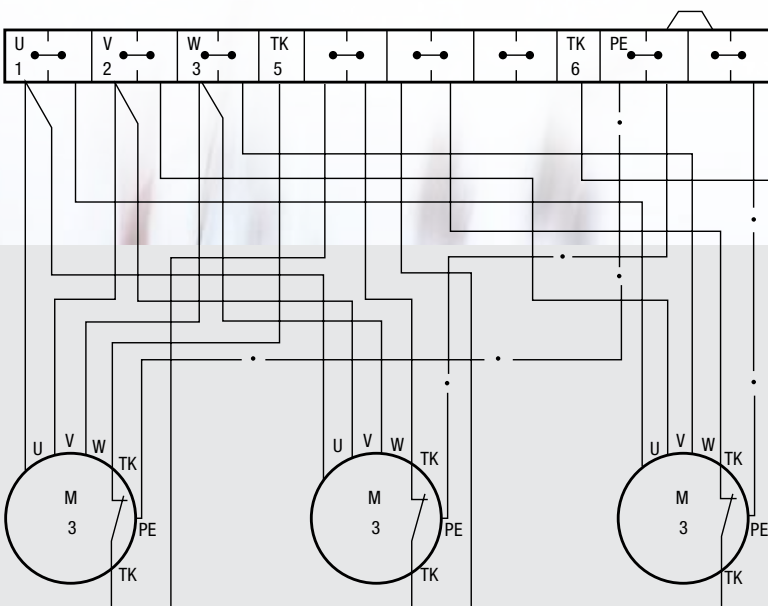
technical changes reserved

Installation possibilities > Indu Effect



Connecting data per fan > Indu Effect

400 V/50 Hz - 0,8 Amp - 0,3 kW.



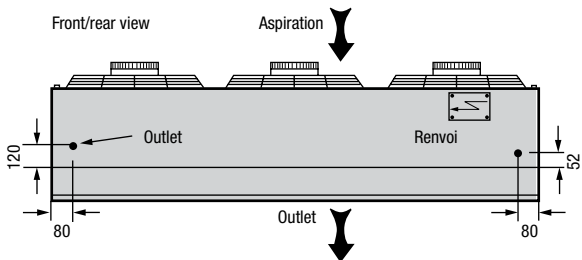
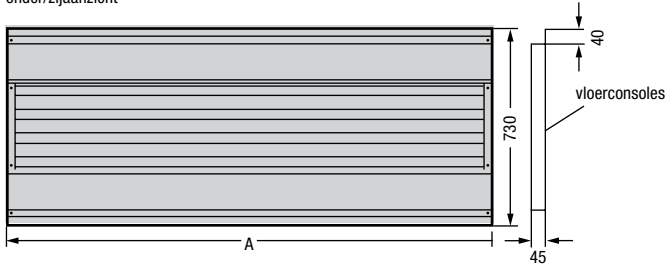
5-position speed controller

Type: *Indu Effect*

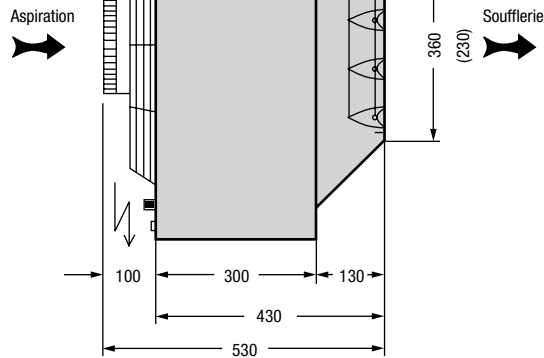
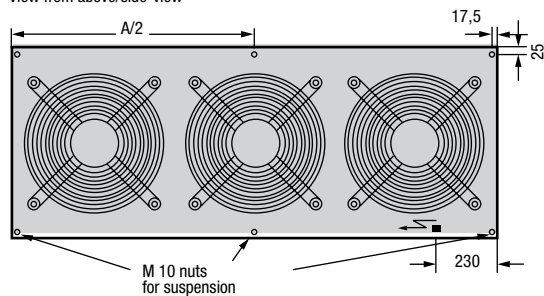
> *Indu Effect* dimensioned sketch

Vertical / horizontal design

onder/zijaanzicht



View from above/side-view



> *Indu Effect*

LSA Industry Air Curtains are composed of self-supporting steel plate housings covered with synthetic foil, finished in RAL 7032. Other RAL colours are available on request.

> *Indu Effect*

is suitable to mount vertically or horizontally.

> *Indu Effect*

is equipped with axial flow fans IP 54, motor security through thermo contacts.

> *Indu Effect*

is equipped with a heat exchanger produced with a copper box with pressed aluminium lamellas

> *Indu Effect*

has a specially designed outlet grille with adjustable lamellas.



Correction Factors

> Energy Saving

Versatile advocate the use of low water temperature for energy saving. Our standard outputs are based on flow and return of 60/40.

**** LSA air curtains are supplied for a warm water supply with a temperature of 60°C and a return temperature of 40°C, inlet temperature +20°C. It is not necessary to supply the air curtain with other heat exchangers. See conversion table for other water temperature supplies and example below.**

T° Water °C	T°air		
	+15°C	+18°C	+20°C
100/80	2.77	2.65	2.56
90/70	2.38	2.25	2.17
80/60	1.98	1.86	1.78
70/50	1.58	1.46	1.38
60/40	1.20	1.08	1.00
55/35	1.00	0.89	0.80

> Example

The Effect M 2000 P60/40 gives 20.8kW with an air inlet temperature of 20°C. If the system gives water temperatures of 90°/70°C then the factor is 2.17. The capacity will become $2.17 \times 20.8 = 45.14\text{kW}$.

