

# SIMPLE INDUSTRIAL

(door height up to 6,0 m)



motor position:  
LEFT  
RIGHT

1,0m

1,2m

motor position:  
MIDDLE

1,2m

1,6m

2,0m

MAXIMUM DOOR WIDTH



Infrared  
Remote  
Control



Remote  
Control

air curtains with motor side left or right



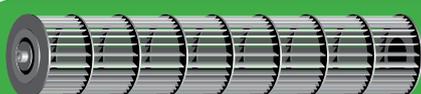
- Energy Saving
- Barrier to Insects, Dust Odours, Pollutants & Humidity
- Controlled Microclimate
- Slim Line Design
- Easy Installation
- Conventional or Infrared Remote Control

## OPTIONAL

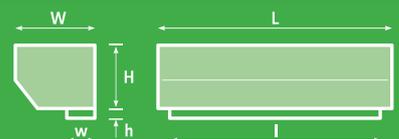
- Filter
- Vertical mount
- Door switch
- Inox body (430 stainless steel)

## TECHNICAL DETAILS

TYPE	L or R-22	L or R-23	K24	K-26	K-28
Max door width (m)	1.0	1.2	1.2	1.6	2.0
Max door height (m)	6.0	6.0	6.0	6.0	6.0
Max Outlet velocity (m/sec)	14.0 / 12.0	14.0 / 12.0	10.0 / 8.0	10.0 / 8.0	10.0 / 8.0
Max Air volume (m <sup>3</sup> /h)	3050 / 2615	3715 / 3185	3035 / 2600	4245 / 3640	5580 / 5280
Motor power input (W)	660	660	660	660	660
Capacitor (µF)	12	12	12	12	15
Noise level in 1 m [dB(A)]	68 / 65	68 / 65	68 / 65	68 / 65	68 / 65
<b>DIMENSIONS</b>					
L: Total length (mm)	1270	1491	1259	1663	2097
W: Total width (mm)	231	231	231	231	231
H: Height (mm)	227	227	227	227	227
l: Outlet length (mm)	1015	1236	1200	1603	2044
w: Outlet width (mm)	76	76	76	76	76
h: Outlet height (mm)	64	64	64	64	64
Weight (kg)	24	27	27	31	36
Power supply (V/Hz/N-)	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Motor speed (rpm)	1370 / 1100	1370 / 1100	1370 / 1100	1370 / 1100	1370 / 1100
Ingress Protection	IP20	IP20	IP20	IP20	IP20



cross flow fan  $\phi$  133 diameter



# ELECTRICALLY HEATED INDUSTRIAL

(door height up to 5,0 m)



Infrared  
Remote  
Control



Remote  
Control



motor  
position:  
LEFT  
RIGHT

1,0m

1,2m

1,8m

motor  
position:  
MIDDLE

1,2m

1,6m

2,0m

MAXIMUM DOOR WIDTH

- Energy Saving
- Barrier to Insects, Dust Odours, Pollutants & Humidity
- Slim Line Design
- Easy Installation
- 15 or 18 kW heating load (depending on models size)
- Motor position: Center, Left, Right

## OPTIONAL

- Filter
- Vertical mount
- Door switch
- Room thermostat
- Inox body (430 stainless steel)

## TECHNICAL DETAILS

TYPE	L or REH-22	L or REH-23	L or REH-27	KEH-24	KEH-26	KEH-28
Max door width (m)	1.0	1.2	1.8	1.2	1.6	2.0
Max door height (m)	5	5	5	5	5	5
Max Outlet velocity (m/sec)	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0	13.0 / 11.0
Max Air volume (m <sup>3</sup> /h)	2830 / 2400	3450 / 2920	5050 / 4285	2815 / 2380	3940 / 3335	5180 / 4385
Motor power input (W)	660	660	660	660	660	660
Capacitor (µF)	12	12	15	12	12	12
Noise level in 1 m [dB(A)]	67 / 64	67 / 64	67 / 64	67 / 64	67 / 64	67 / 64
<b>DIMENSIONS</b>						
<b>L:</b> Total length (mm)	1270	1491	2090	1259	1663	2097
<b>W:</b> Total width (mm)	306	306	306	306	306	306
<b>H:</b> Height (mm)	227	227	227	227	227	227
<b>l:</b> Outlet length (mm)	1015	1236	1803	1200	1603	2044
<b>w:</b> Outlet width (mm)	76	76	76	76	76	76
<b>h:</b> Outlet height (mm)	64	64	64	64	64	64
Weight (kgr)	36	40	52	40	45	51
Thermal power (kW)	15 / 18	15 / 18	15 / 18	15 / 18	15 / 18	18
Max current cons. (A) (per phase)	22 / 26	22 / 26	22 / 26	22 / 26	22 / 26	26
T outlet - T inlet (°C)	17-18 / 19-20	17-18 / 19-20	17-18 / 19-20	17 / 18	17-18 / 19-20	19-20
Power supply (V/Hz/N-)	400 / 50 / 3	400 / 50 / 3	400 / 50 / 3	400 / 50 / 3	400 / 50 / 3	400 / 50 / 3
Motor speed (rpm)	1380 / 1150	1380 / 1150	1380 / 1150	1380 / 1150	1380 / 1150	1380 / 1150
Heating stages	4	4	4	4	4	4
Ingress Protection	IP20	IP20	IP20	IP20	IP20	IP20



# HOT WATER HEATED INDUSTRIAL

(door height up to 5,0 m)



motor position:  
LEFT  
RIGHT

1,0m

1,2m

motor position:  
MIDDLE

1,2m

1,6m

2,0m

MAXIMUM DOOR WIDTH

- Energy Saving
- Barrier to Insects, Dust Odours, Pollutants & Humidity
- Slim Line Design
- Easy Installation
- Low Noise Level
- Water valve connections
- 1/2" water supply connection
- Motor position: Center, Left, Right

heat exchanger



1/2" water supply connection



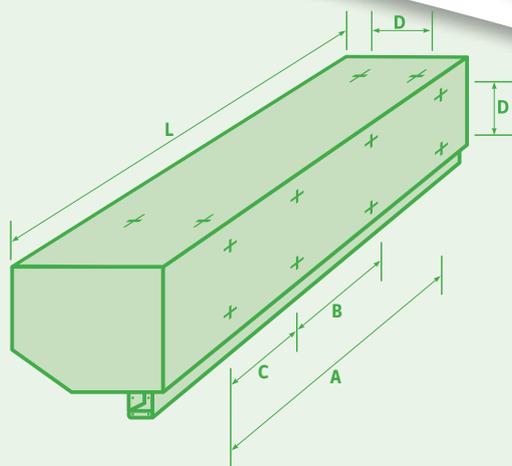
## TECHNICAL DETAILS

TYPE	L or RWH-22	L or RWH-23	KWH-24	KWH-26	KWH-28	
Max door width (m)	1.0	1.2	1.2	1.6	2.0	
Max door height (m)	5.0	5.0	5.0	5.0	5.0	
Max Outlet velocity (m/sec)	11.0 / 8.5	11.0 / 8.5	11.0 / 8.5	11.0 / 8.5	11.0 / 8.5	
Max Air volume (m <sup>3</sup> /h)	2425 / 1870	2935 / 2270	2390 / 1845	3350 / 2570	4395 / 3395	
Motor power input (W)	660	660	660	660	660	
Capacitor (µF)	12	12	12	12	12	
Capacity (lt)	1.0	1.28	0.96	1.4	1.88	
Noise level in 1 m [dB(A)]	64 / 60	64 / 60	67 / 64	67 / 64	67 / 64	
DIMENSIONS	L: Total length (mm)	1270	1491	1259	1663	2097
	W: Total width (mm)	306	306	306	306	306
	H: Height (mm)	227	227	227	227	227
	l: Outlet length (mm)	1015	1236	1200	1603	2044
	w: Outlet width (mm)	76	76	76	76	76
	h: Outlet height (mm)	64	64	64	64	64
	Weight without water (kgr)	31	34	32	37	48
*Air Inlet Temperature +15°C		*Water Inlet Temperature +70°C		Flow rate 0.6 (lt/sec) [ 0.3 lt/sec for R,L ]		
Heating power (kW)	16.0 / 14.0	19.0 / 17.0	16.0 / 14.0	23.0 / 20.0	29.0 / 26.0	
Air outlet temperature (°C)	34 / 37	34 / 36	35 / 38	35 / 37.5	34 / 37	
Water outlet temperature (°C)	57 / 58	54.5 / 56	63 / 64	61 / 62	58 / 59.5	
Pressure drop (water) ΔP (kPa)	3.5	3.8	2.7	3.0	3.3	
*Air Inlet Temperature +15°C		*Water Inlet Temperature +90°C		Flow rate 0.6 (lt/sec) [ 0.3 lt/sec for R,L ]		
Heating power (kW)	22.0 / 19.5	26.0 / 23.0	23.0 / 20.0	31.5 / 27.5	41.0 / 36.0	
Air outlet temperature (°C)	41 / 45	41 / 45	43 / 46	42 / 46	42 / 45.5	
Water outlet temperature (°C)	72 / 74	68.5 / 71	81 / 82	77 / 79	73 / 75	
Pressure drop (water) ΔP (kPa)	3.3	3.6	2.6	2.9	3.2	

\*FOR DIFFERENT WATER TEMPERATURES PLEASE CONSULT CHAPTER "THERMAL LOAD CALCULATIONS"



# INDUSTRIAL SPECIFICATIONS



## OPERATION WAYS

- ON-OFF / HI-LOW with wired remote control (C.B)
- ON-OFF / HI-LOW with infrared remote control (I.R)
- ON-OFF / HI-LOW with wired + infrared remote control (R.C)
- New logic control system (NL)
- New eco control system (ECO)  
(consult supplier for availability)

## MOUNTING DIMENSION TABLE

MODEL	A ±1mm	B mm	C mm	D mm	L ±2mm
R, L-22 R, LEH-22	700	-	-	135	1270
R, L-23 R, LEH-23	920	-	-		1491
K-24 KEH, WH-24	787	447	170		1259
K-26 KEH, WH-26	1050	550	250		1663
R, LEH-27	1803	500	400		2100
K-28	1190	490	350		2097
KEH, WH-28	1190	390	400		2097

## DIAGRAMS OF HIGH-SPEED CHARACTERISTICS OF AIR CURTAINS

### 133mm FAN DIAMETER

#### SIMPLE AIR CURTAINS



0.0 m	14.0 m/sec
1.0 m	11.0 m/sec
2.0 m	9.5 m/sec
3.0 m	6.0 m/sec
4.0 m	5.0 m/sec
5.0 m	3.0 m/sec
6.0 m	1.0 - 2.0 m/sec
7.0 m	
8.0 m	

#### HEATED AIR CURTAINS



0.0 m	13.0 m/sec
1.0 m	12.0 m/sec
2.0 m	10.0 m/sec
3.0 m	5.5 m/sec
4.0 m	4.0 m/sec
5.0 m	3.0 m/sec
6.0 m	1.0-2.0 m/sec
7.0 m	
8.0 m	

## FOR USE IN:

LARGE INDUSTRIAL SPACES, DOORS & PASS THROUGH OPENINGS, AIRPORTS, BUSS STATIONS, STORAGE AREAS, LARGE COLD STORAGE PLANTS, GARAGES, STADIUMS