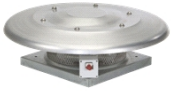




# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

Centrifugal roof fan in horizontal discharge format, centrifugal backward curved impeller. Steel finger proof guard. Base manufactured from galvanised sheet steel, cowl from spun aluminium. External rotor motor IP54, F. S&P model CRHT/4-355 N (230/400V50/60HZ) N8 .



## Theoretical Working Point

Airflow	-
Static Pressure	0,000 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m <sup>3</sup>
Frequency	50 Hz

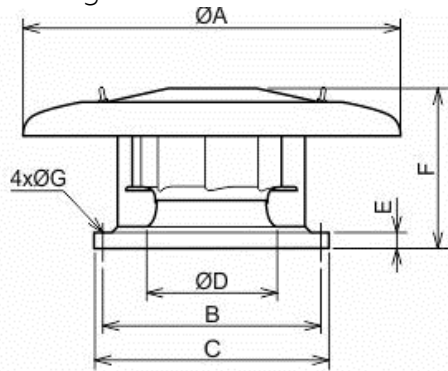
## Construction

Discharge diameter	355 mm
Fan size	355
Weight	26,00 kg

## Motor Characteristics

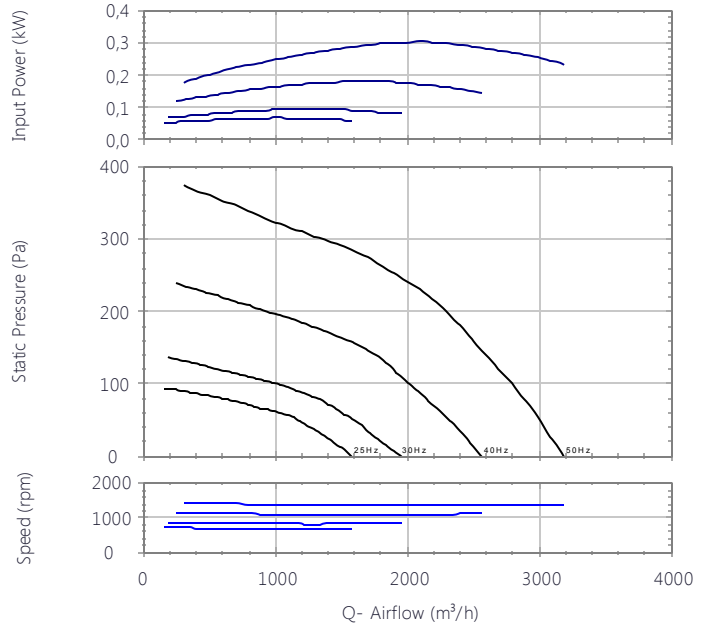
Number of poles	4
Voltage	3-230/400V-50Hz
Maximum absorbed current	1,3 A / 0,8 A
IP Rating	IP54
Motor insulation class	F

## Drawing



A	B	C	D	E	F	G
895	450	560	289	40	349	12

## Performance Chart



## Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	41	57	62	61	62	63	62	48	69
Inlet LpA @ 1m	30	46	51	50	51	52	51	37	58
Outlet (LwA)	42	60	63	69	71	69	67	54	75
Outlet LpA @ 1m	31	49	52	58	60	58	56	43	64

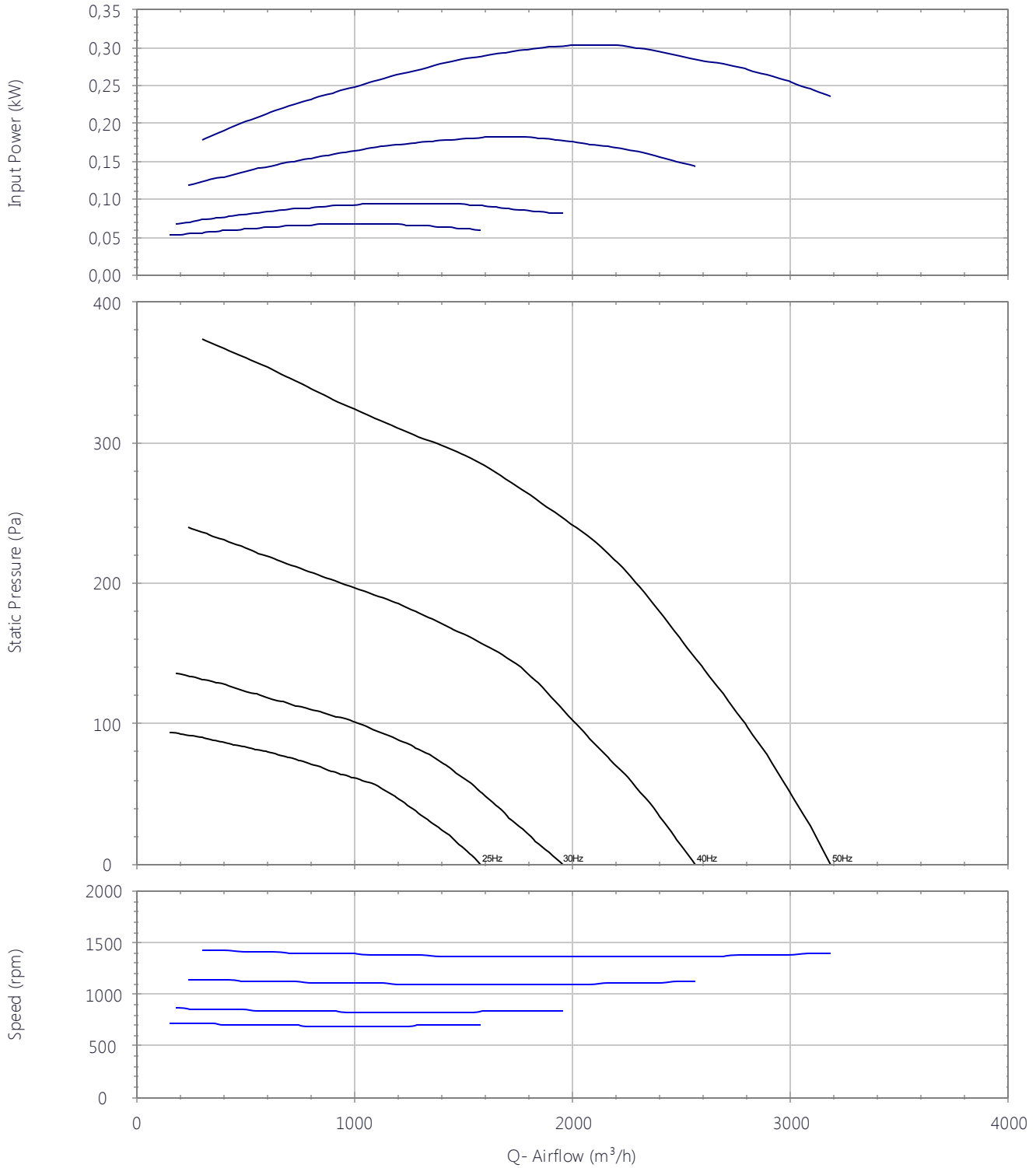




# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

## Performance Chart





# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

## Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
<b>Inlet (LwA)</b>	41	57	62	61	62	63	62	48	69
<b>Inlet LpA @ 1m</b>	30	46	51	50	51	52	51	37	58
<b>Outlet (LwA)</b>	42	60	63	69	71	69	67	54	75
<b>Outlet LpA @ 1m</b>	31	49	52	58	60	58	56	43	64

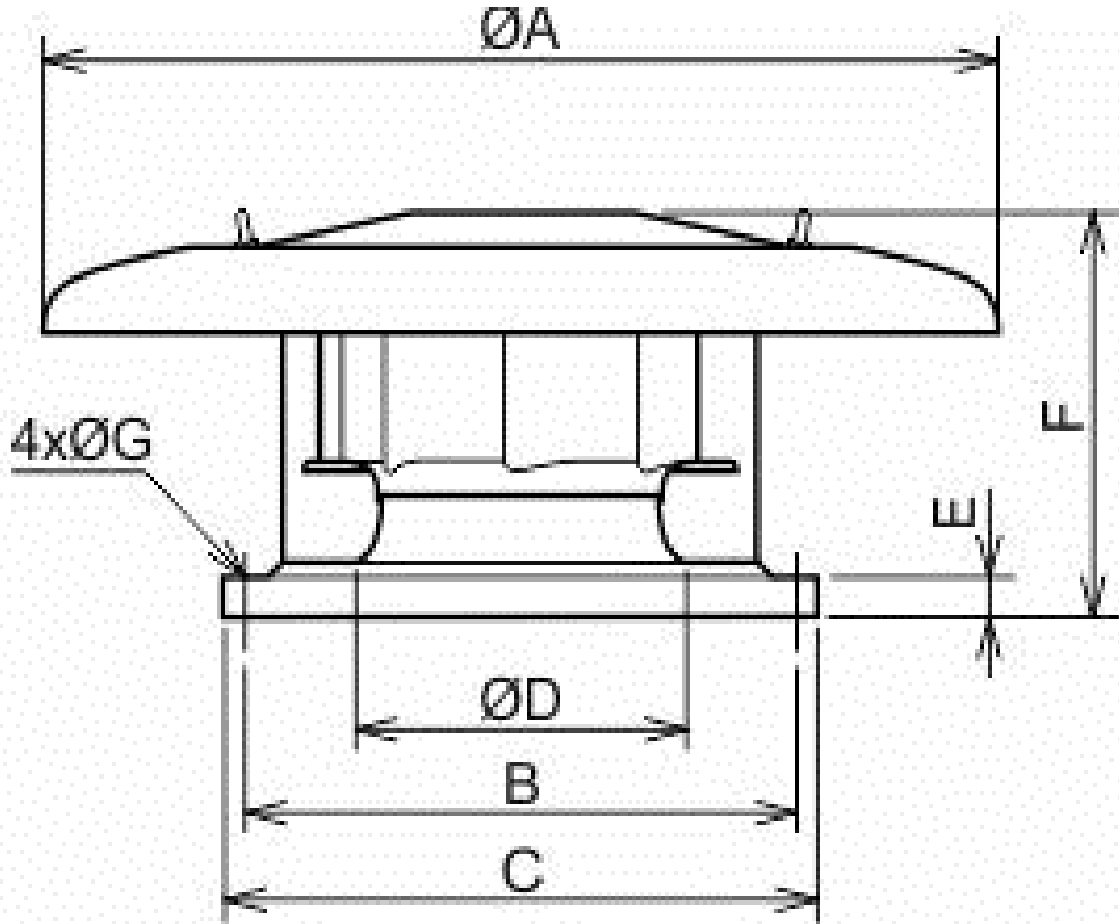




# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

Drawing



A	B	C	D	E	F	G
895	450	560	289	40	349	12



# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

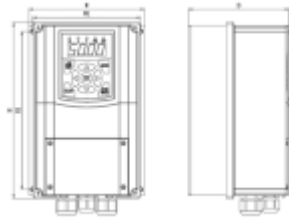
## Accessories

L1000000662 - S&P VFD-M 10A IP54 (1-PH)



Single-phase 230V-50/60Hz Voltage supply. Motor kW protection programmable by a single parameter. Power on and drive status indication. Speed selection with UP/DOWN keys. Run/Fault relay output contacts. Motor overload and shortcut protections.

### Dimensions



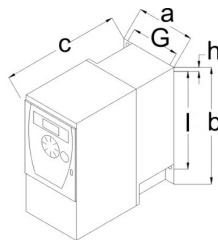
H	H1	W	W1	D	d
193	170	150	140	131	4.5

5401227100 - VFTM320 MONO 0,18 IP66



Adjustable frequency drive. Single phase supply 230V-50/60Hz, three phase 230V output.

### Dimensions



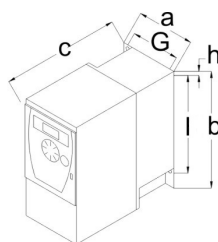
a	b	c	G	I	h
250	340	182	231	323	6.6

5401225200 - VFTM320 MONO 0,18



Adjustable frequency drive. Single phase supply 230V-50/60Hz, three phase 230V output.

### Dimensions



a	b	c	G	I	h
72	143	109	60	131	6



# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

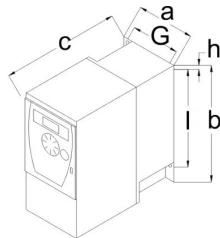


5401227200 - VFTM320 MONO 0,37 IP66

Adjustable frequency drive. Single phase supply 230V-50/60Hz, three phase 230V output.



### Dimensions



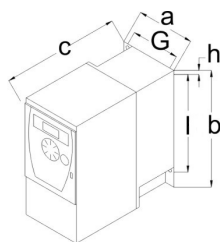
a	b	c	G	I	h
250	340	182	231	323	6.6

5401225300 - VFTM320 MONO 0,37

Adjustable frequency drive. Single phase supply 230V-50/60Hz, three phase 230V output.



### Dimensions



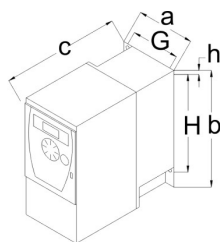
a	b	c	G	I	h
72	143	128	60	121.5	6

5401611900 - VFTM MONO 0,18 Modelo ATV312

Adjustable frequency drive. IP54. Single phase supply (230V 50/60Hz), three phase 230V output.



### Dimensions



a	b	c	G	H
72	145	132	60	121.5



# CRHB-N/CRHT-N

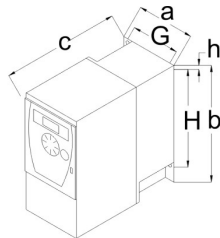
5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

5401612000 - VFTM MONO 0,37



Adjustable frequency drive IP54. Single phase supply (230V 50/60Hz), three phase 230V output .

### Dimensions



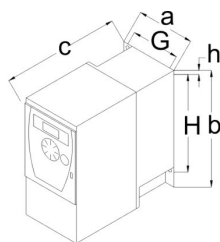
a	b	c	G	H
72	145	132	60	121.5

5401618200 - VFTM MONO 0,18 IP55



Adjustable frequency drive. Single phase supply (230V 50/60Hz), three phase 230V output .

### Dimensions



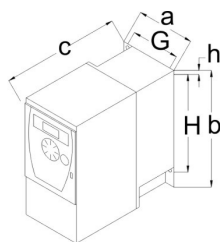
a	b	c	G	H	I
210	240	163	192	218	5.5

5401618300 - VFTM MONO 0,37 IP55



Adjustable frequency drive. Single phase supply (230V 50/60Hz), three phase 230V output .

### Dimensions



a	b	c	G	H	I
210	240	163	192	218	5.5



# CRHB-N/CRHT-N

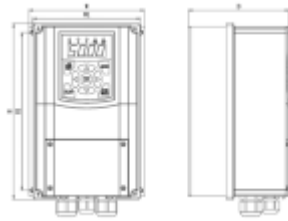
5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

L1000000664 - S&P VFD-T 5A IP54 (3-PH)

Three-phase 400V-50/60Hz Voltage supply. Motor kW protection programmable by a single parameter. Power on and drive status indication. Speed selection with UP/DOWN keys. Run/Fault relay output contacts. Motor overload and shortcut protections.



### Dimensions



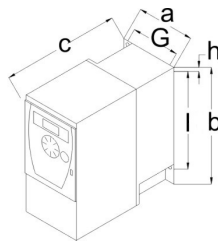
H	H1	W	W1	D	d
193	170	150	140	131	4.5

5401225900 - VFTM320 TRI 0,37

Adjustable frequency drive. Three phase supply 400V-50/60Hz, three phase 400V output.



### Dimensions



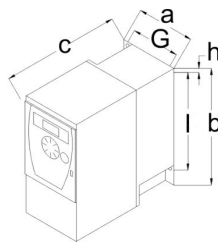
a	b	c	G	I	h
105	142	158	93	118	5

5401227800 - VFTM320 TRI 0,37 IP66

Adjustable frequency drive. Three phase supply 400V-50/60Hz, three phase 400V output.



### Dimensions



a	b	c	G	I	h
250	340	200	231	323	6.6

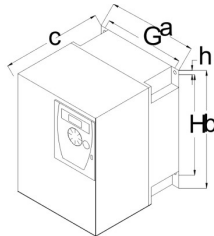


## 5401612600 - VFTM TRI 0,37

Adjustable frequency drive. Three phase supply (400V 50/60Hz), three phase 400V output.



### Dimensions



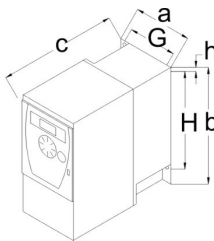
a	b	c	G	h	H	I	nM4
107	143	152	93	5	121.5	5	2

## 5401618900 - VFTM TRI 0,37 IP55

Adjustable frequency drive IP54. Three phase supply (400V 50/60Hz), three phase 400V output.



### Dimensions



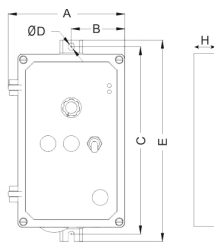
a	b	c	G	H	I
215	297	192	197	277	5.5

## 5401617800 - VFKB-24

Adjustable frequency drive with die cast aluminium IP54 case. Single phase supply (230V 50/60Hz), three phase 230V output .



### Dimensions



A
140



# CRHB-N/CRHT-N

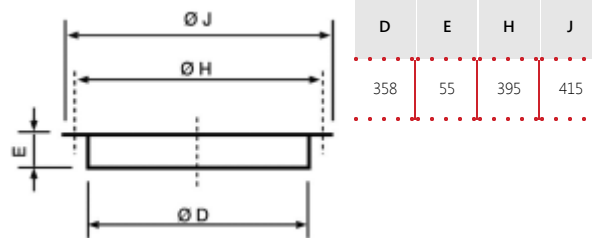
5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

5138907400 - JBR-560 N



CIRCULAR DUCT FLANGE

### Dimensions

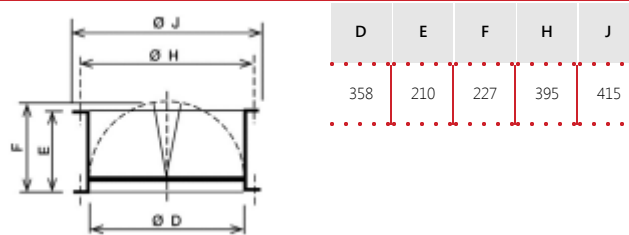


5136883500 - JCA-560 N

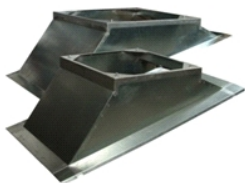


BACK DRAFT SHUTTER

### Dimensions

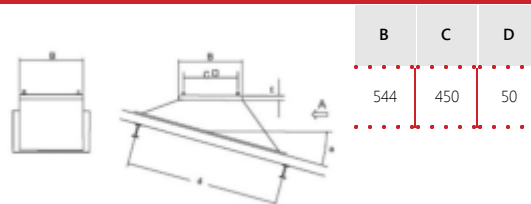


5416719200 - BI-5



Support base for inclined curb mounted installations. To ensure a proper installation of the CRHB-CRHT roof fan it is essential to specify the roof pitch angle (a) and the distance (d) between the roof beam profiles.

### Dimensions





# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

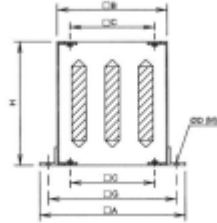
5136863700 - JAA-560



ACOUSTIC UPSTAND

Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-2	-8	-16	-29	-32	-26	-17

## Dimensions



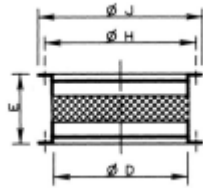
A	B	C	D	H	G
725	545	450	D(M) (15 (M12))	750	635

5138908200 - JAE-560 N

CIRCULAR FLEXIBLE COUPLING



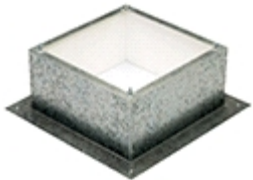
## Dimensions



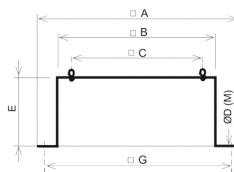
D	E	H	J
358	254	395	415

5136812400 - JBS-560

Flat roof up stand for mounting a roof fan on a flat roof without up stand.



## Dimensions



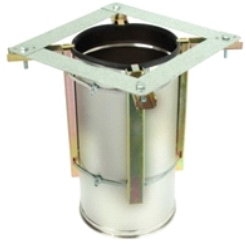
A	B	C	E	G
725	544	450	300	635



# CRHB-N/CRHT-N

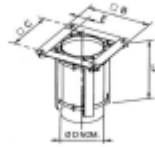
5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

5136859500 - JCC-560



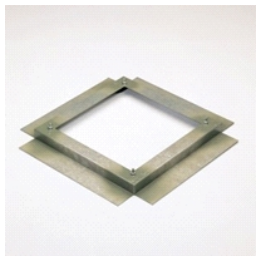
ADAPTER FOR CIRCULAR DUCT

### Dimensions



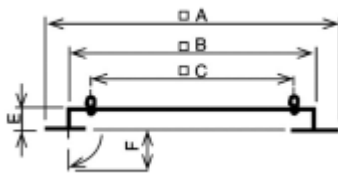
B	C	D	E	L
520	450	355	70	350

5136802500 - JMS-560



Sealing frame for mounting a roof fan on an up stand or base.

### Dimensions



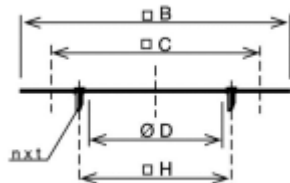
A	B	C	E	F
725	545	450	50	70

5136823100 - JPA-560

ADAPTER PLATE ACCESSORY TO BE USED WITH JCA, JBR & JAE ACCESSORIES



### Dimensions



B	C	D	nxt	H
544	450	358	nxt (8xM8)	395



# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

## L0111000000199 - CONTACTOR INTERFACE STATION - 9A – 4 x N/O CONTACTS

9A N/O relay in IP65 enclosure for switching of fans from an external source, particularly useful for the on/off control of 3-phase units.



### Dimensions



A	B	C
110	234	149



# CRHB-N/CRHT-N

5136913900 - CRHT/4-355 N (230/400V50/60HZ) N8 - ROOF MOUNTED FANS

## ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	CRHT/4-355 N (230/400V50/60HZ) N8
Manufacturer's Info	S&P
Identifier	-
Typology	NRVU unidirectional
Drive	VSD
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	0,53
Pelec (kW)	0,3
SFPint (W/m3/s)	NA
Face velocity (m/s)	1,91
$\Delta p_{s,ext}$ (Pa)	250,16
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	47,8
External leakage rate (%)	0
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	69
<a href="https://www.solerpalau.com/">https://www.solerpalau.com/</a>	