

Centrifugal In-Line Box Fans with backward curved centrifugal impellers.



Type Code

D K H R 355 - 4 - EX

D = Three Phase A.C.

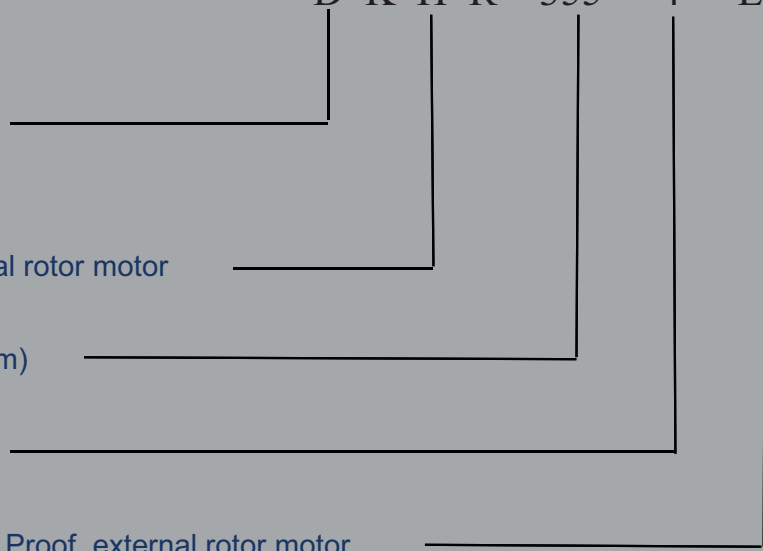
E = Single Phase A.C.

KHR - Impeller with external rotor motor

355 - impeller diameter (mm)

4 - Number of poles

Ex - Rosenberg Explosion Proof external rotor motor

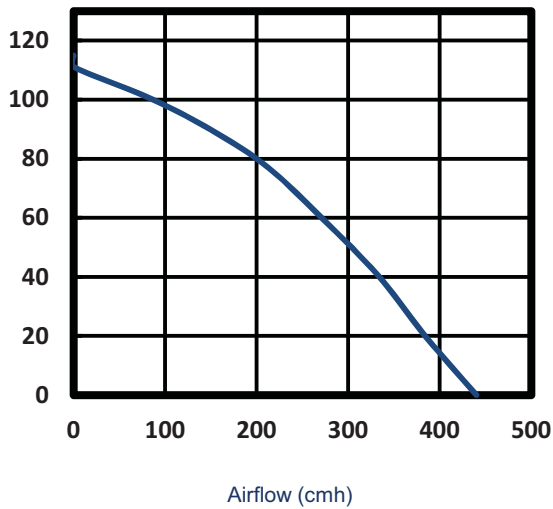




- + easy installation (DIN standard flange).
- + can be installed in any position.
- + easy cleaning and maintenance.
- + high pressure and volume output.
- + asynchronous external rotor motor.
- + motor protection by thermal contacts.
- + protection class IP44 and insulation class F.
- + air performance tested to DIN 24163.
- + low noise.
- + backward curve impeller made from galvanized steel.
- + speed is 100% infinely variable using auto transformer or electronic control.

Technical Data:

Static Pressure (Pa)



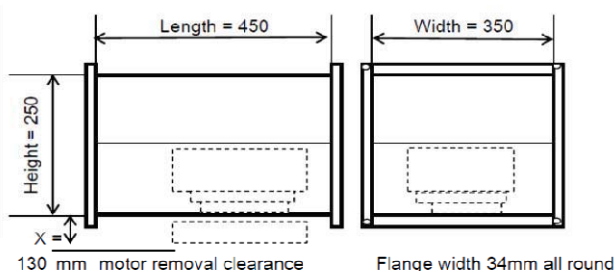
Type: EKHR 225-4		Art. No. B28-A0	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.05 kW	Δ I	- %
IN	0.23 A	IA / 1N	1.5
n (min-1)	1400	Class/ IP	F/ IP44
C(uF 400V)	1.5 uF	W. diag	01.009
tR	60 °C	Weight	15 kg

Sound levels:

LW A-weighted at V=0.5*Vmax	Frequency (Hz)							
	125	250	500	1K	2K	4K	8K	
dBA Casing	45	44	37	33	28	24	18	13
dBA inlet side	55	35	46	50	50	46	44	39
dBA Outlet side	57	35	48	51	51	46	42	

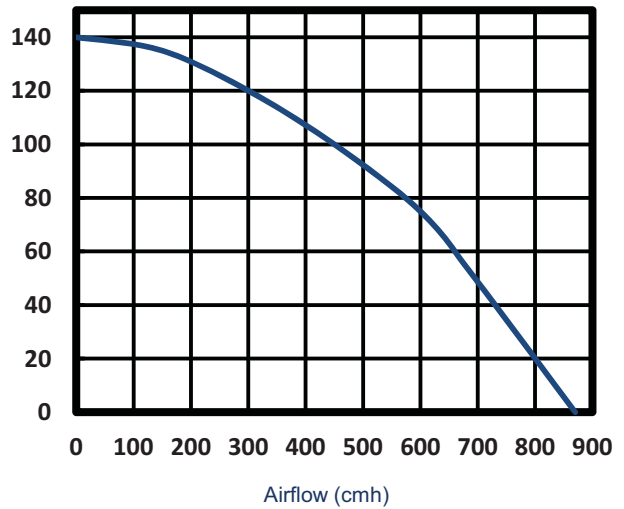
Dimensions:

(all dimensions in mm)



Technical Data:

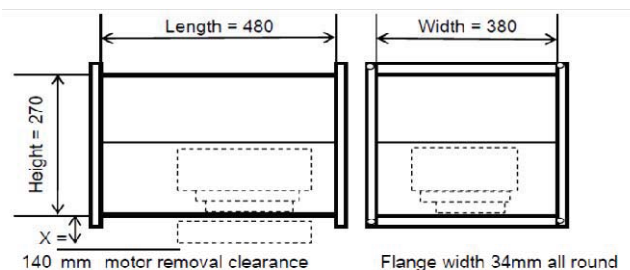
Static Pressure (Pa)



Type: EKHR 250-4		Art. No. Z19-02	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.047 kW	Δ I	- %
IN	0.21 A	IA / 1N	1.5
n (min-1)	1395	Class/ IP	F/ IP44
C(uF 400V)	1.5 uF	W. diag	01.009
tR	70 °C	Weight	17 kg

Sound levels:

LW A-weighted at V=0.5*Vmax	Frequency (Hz)							
	125	250	500	1K	2K	4K	8K	
dBA Casing	47	46	39	35	30	26	20	15
dBA inlet side	57	37	48	52	52	48	46	41
dBA Outlet side	59	37	50	53	53	48	44	

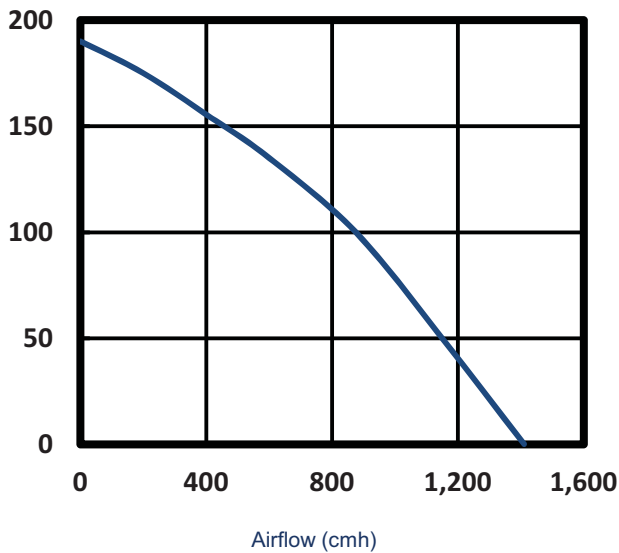




- + easy installation (DIN standard flange).
- + can be installed in any position.
- + easy cleaning and maintenance.
- + high pressure and volume output.
- + asynchronous external rotor motor.
- + motor protection by thermal contacts.
- + protection class IP44 and insulation class F.
- + air performance tested to DIN 24163.
- + low noise.
- + backward curve impeller made from galvanized steel (280) & plastic (310).
- + speed is 100% infinitely variable using auto transformer or electronic control.

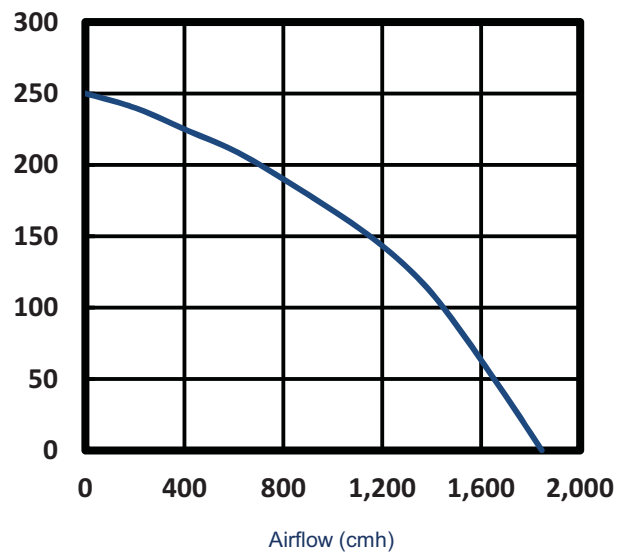
Technical Data:

Static Pressure (Pa)



Technical Data:

Static Pressure (Pa)



Type: EKHR 280-4		Art. No. Z19-03	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.086 kW	Δ I	8 %
IN	0.41 A	IA / 1N	1.7
n (min-1)	1365	Class/ IP	F/ IP44
C(uF 400V)	2.5 uF	W. diag	01.009
tR	60 °C	Weight	20 kg

Type: EKHR 310-4		Art. No. T11-05	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.119 kW	Δ I	- %
IN	0.58 A	IA / 1N	1.8
n (min-1)	1375	Class/ IP	F/ IP44
C(uF 400V)	4 uF	W. diag	01.009
tR	40 °C	Weight	22 kg

Sound levels:

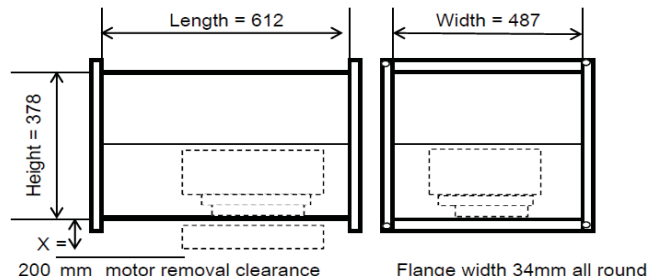
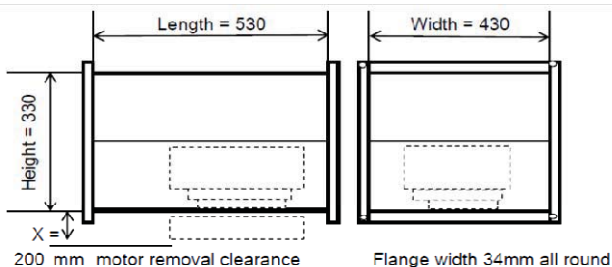
LW A-weighted at V=0.5*Vmax	Frequency (Hz)						
	125	250	500	1K	2K	4K	8K
dBA Casing	49	48	41	37	32	28	22
dBA inlet side	59	45	51	51	54	53	47
dBA Outlet side	61	41	50	55	57	54	48

Sound levels:

LW A-weighted at V=0.5*Vmax	Frequency (Hz)						
	125	250	500	1K	2K	4K	8K
dBA Casing	51	50	43	39	34	30	24
dBA inlet side	61	47	53	53	56	55	49
dBA Outlet side	63	43	52	57	59	56	50

Dimensions:

(all dimensions in mm)

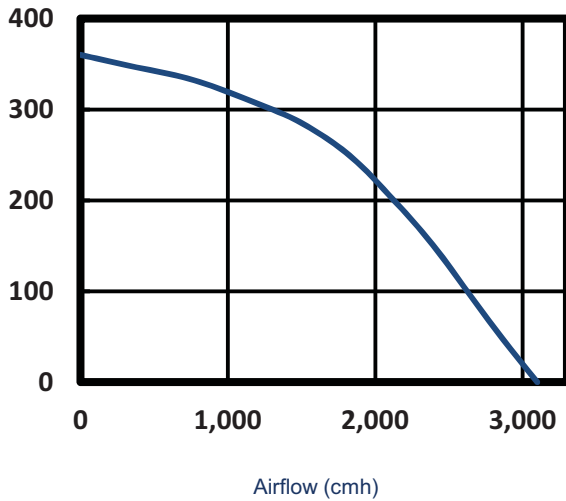




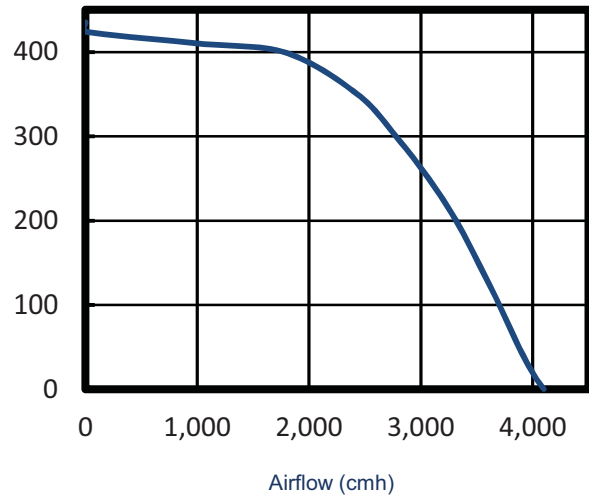
- + easy installation (DIN standard flange).
- + can be installed in any position.
- + easy cleaning and maintenance.
- + high pressure and volume output.
- + asynchronous external rotor motor.
- + motor protection by thermal contacts.
- + protection class IP54 and insulation class F.
- + air performance tested to DIN 24163.
- + low noise.
- + backward curve impeller made from plastic.
(Aluminium impeller upon request only.)
- + speed is 100% infinely variable using auto transformer or electronic control.

Technical Data:

Static Pressure (Pa)



Static Pressure (Pa)



Technical Data:

Type: EKHR 355-4		Art. No. N52-35504	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.28 kW	Δ I	11 %
IN	1.25 A	IA / 1N	1.8
n (min-1)	1255	Class/ IP	F/ IP54
C(uF 400V)	5 uF	W. diag	01.024
tR	60 °C	Weight	35 kg

Type: EKHR 400-4		Art. No. N51-40000	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.54 kW	Δ I	20 %
IN	2.55 A	IA / 1N	2.65
n (min-1)	1375	Class/ IP	F/ IP54
C(uF 400V)	12 uF	W. diag	01.024
tR	45 °C	Weight	42 kg

Sound levels:

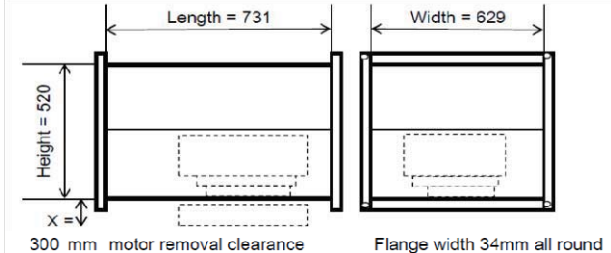
LW A-weighted at V=0.5*Vmax	Frequency (Hz)							
	125	250	500	1K	2K	4K	8K	
dBA Casing	57	56	49	45	40	36	30	25
dBA inlet side	69	56	60	65	63	60	56	45
dBA Outlet side	69	57	58	64	64	61	57	44

Sound levels:

LW A-weighted at V=0.5*Vmax	Frequency (Hz)							
	125	250	500	1K	2K	4K	8K	
dBA Casing	65	64	57	53	48	38	38	33
dBA inlet side	77	62	71	73	69	67	64	57
dBA Outlet side	77	67	68	70	73	68	63	54

Dimensions:

(all dimensions in mm)

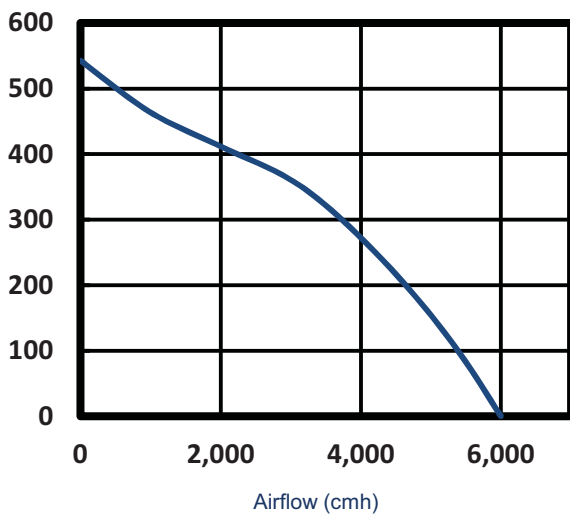




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- + easy cleaning and maintenance.
- + high pressure and volume output.
- + asynchronous external rotor motor.
- + motor protection by thermal contacts.
- + protection class IP54 and insulation class F.
- + air performance tested to DIN 24163.
- + low noise.
- + backward curve impeller made from aluminium.
- + speed is 100% infinely variable using auto transformer or electronic control.

Technical Data:

Static Pressure (Pa)



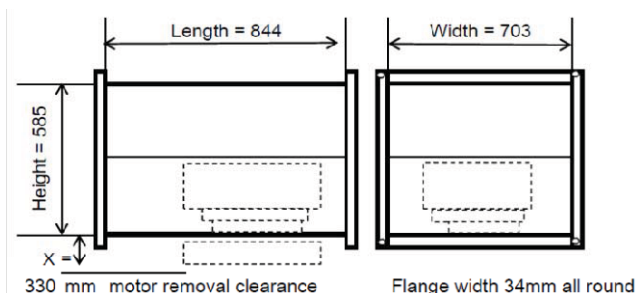
Type: EKHR 450-4W		Art. No. N63-45052	
U	230V (50Hz)	Δpfa min	- Pa
P1	0.84 kW	Δ I	9 %
IN	3.7 A	IA / 1N	2.1
n (min-1)	1210	Class/ IP	F/ IP54
C(uF 400V)	16 uF	W. diag	01.024
tR	40 °C	Weight	61 kg

Sound levels:

LW A-weighted at V=0.5*Vmax	Frequency (Hz)							
	125	250	500	1K	2K	4K	8K	
dBA Casing	63	62	55	51	46	42	36	31
dBA inlet side	75	60	69	71	67	65	62	55
dBA Outlet side	75	65	66	68	71	66	61	52

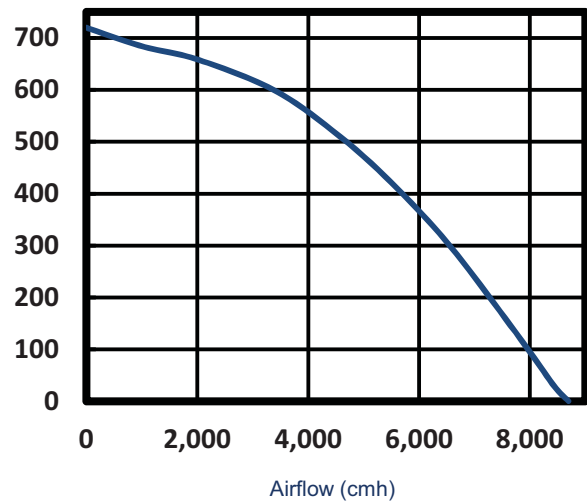
Dimensions:

(all dimensions in mm)



Technical Data:

Static Pressure (Pa)



Type: EKHR 500-4		Art. No. N51-50005	
U	230V (50Hz)	Δpfa min	- Pa
P1	1.42 kW	Δ I	8 %
IN	6.3 A	IA / 1N	2.3
n (min-1)	1360	Class/ IP	F/ IP54
C(uF 400V)	30 uF	W. diag	01.024
tR	40 °C	Weight	65 kg

Sound levels:

LW A-weighted at V=0.5*Vmax	Frequency (Hz)							
	125	250	500	1K	2K	4K	8K	
dBA Casing	68	67	60	56	51	47	41	36
dBA inlet side	80	61	73	74	74	72	69	60
dBA Outlet side	80	60	69	72	77	71	67	58

