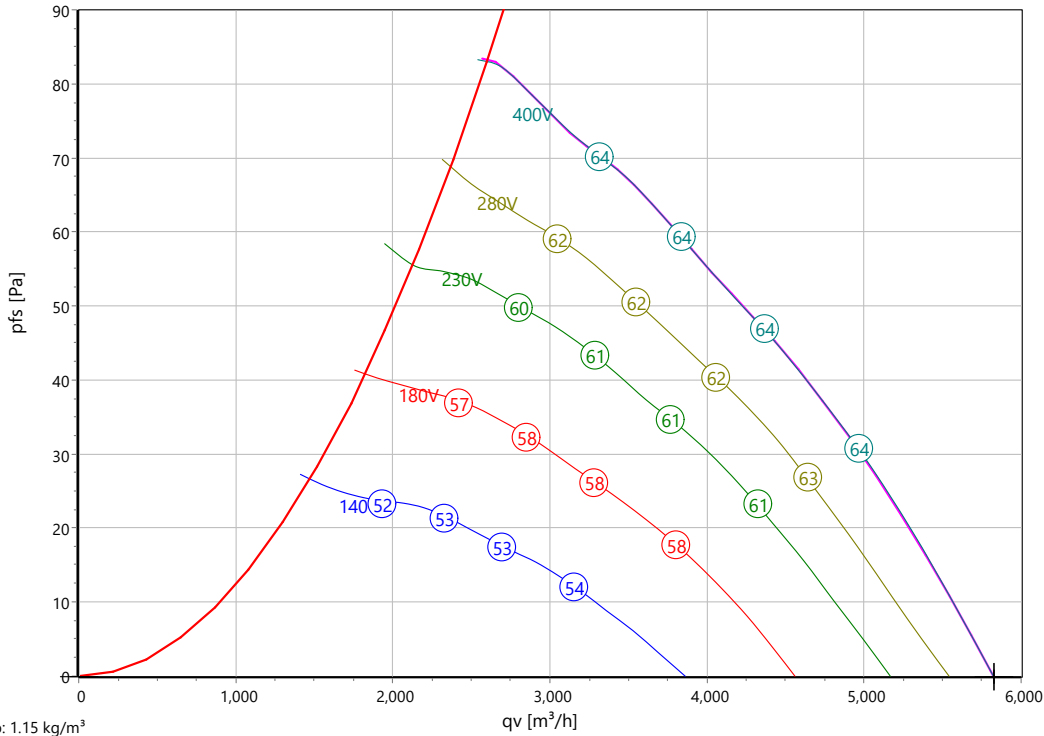




Type: **AKFD 500-6 N.5FA A8**
Installation type 8 direction of airflow V with round nozzle plate

Part no.:

Curve:



$\rho: 1.15 \text{ kg/m}^3$

Operating Point:

q_v	5823	m^3/h
p_{fs}	0	Pa
p_{fd}	37.7	Pa
$\eta_{e,fs}$	0	%
$\eta_{e,tot}$	29	%
P_e	0.212	kW
I	0.63	A
n	945	r/min
$L_{wA_{A,IN}}$	64	dB(A)
U	400	V
v	8.09	m/s
SFP	131	Ws/m^3

Set point:

q_v	5825	m^3/h	p_{fs}	0	Pa
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Intersections:

Curve	q_v [m^3/h]	p_{fs} [Pa]	P_e [kW]	I [A]	n_N [r/min]	$L_{wA_{A,IN}}$ [dB(A)]
400V	5823	0	0.212	0.62	945	63
280V	5539	10	0.162	0.48	893	62
230V	5168	0	0.144	0.46	838	61
180V	4563	10	0.122	0.46	747	58
140V	3863	10	0.094	0.46	628	55

Nominal Data:

U [V]	f [Hz]	C [μF]	P_e [kW]	I_N [A]	n_N [r/min]	t_R [$^{\circ}\text{C}$]	k_{10} [$\text{m}^2/\text{s}/\text{h}$]	I_A / I_N	IP	m [kg]
400 D	50	-	0.285	0.68	915	-25 .. +70	-	3.1	IP 54	17.8
400 Y			0.2	0.33	760					

Sound Data:

Frequency	Σ	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Distances	1 m	4 m
$L_{wA(A,in)}$ [dB(A)]	64	41	45	53	58	59	57	54	49	$L_{pA(A,in)}$ [dB(A)]	57	46
$L_{wA(A,out)}$ [dB(A)]	64	44	48	54	58	59	71	51	46	$L_{pA(A,out)}$ [dB(A)]	57	46



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Part no.:

