

Application

A family of stationary fans with radial impellers in acid-resistant execution. They are used wherever there is a possibility of contamination of the transported air with corrosive substances. Thanks to the use of a radial impeller with backward curved blades, the fan can pump the medium with a slight contamination with solid substances (in the case of significant contamination, pre-filters should be used). Temperature of the pumped medium up to 60°C. Ambient temperature up to 40°C. Other temperature ranges available on request.



Construction

Fan housing - stainless steel, powder coated with antistatic paint.

Radial impeller - stainless steel, powder coated with antistatic paint.

Mounting base - powder coated steel.

Fasteners - stainless steel.

Three-phase or single-phase electric motor with IP55 protection, suitable for speed regulation.

Three-phase motors - regulation with a frequency converter, single-phase motors - regulation with a transformer voltage regulator.

As a standard, we make fans in the LEFT arrangement, the RIGHT housing arrangement is made to order.

In the case of high-speed fans (2800 rpm), it is recommended to control them with a frequency converter (SX, SXE).

Technical data:

Typ	Efficiency MAX	Pressure MAX	Input power	Highest speed	Rated Current **		Noise* [dB(A)]	Weight [kg]
	[m ³ /h]	[Pa]	[kW]	[obr./min]	1x230V [A]	3x400V [A]		
PFPK OH-200/4	1540	300	0,18	1400	1,5	0,63	59	33
PFPK OH-250/4	2160	325	0,25	1400	1,9	0,71	60	36
PFPK OH-315/4	3200	450	0,37	1400	2,9	0,98	66	37
PFPK OH-315/4D	3780	600	0,55	1400	4,2	1,5	67	58
PFPK OH-355/4	5800	630	0,75	1400	4,9	1,9	68	62
PFPK OH-400/4	7100	750	1,1	1400	7,2	2,7	71	98
PFPK OH-450/4	9000	900	1,5	1400	9,3	3,4	76	125
PFPK OH-500/4	13000	1200	2,2	1400	-	4,8	80	130
PFPK OH-500/4D	14800	1260	3	1400	-	6,5	80	140
PFPK OH-560/4	17400	1445	4	1400	-	8,1	81	155
PFPK OH-560/4D	21700	1620	5,5	1400	-	10,9	82	168
PFPK OH-630/4	29200	1920	7,5	1400	-	14,4	86	198
PFPK OH-160/2	1100	520	0,18	2800	1	0,62	60	25
PFPK OH-160/2D	1800	640	0,25	2800	2	0,85	68	26
PFPK OH-180/2	2200	1000	0,55	2800	3,2	1,4	75	28
PFPK OH-200/2	3050	1200	1,1	2800	7	2,45	79	30
PFPK OH-250/2	3900	1300	1,5	2800	-	3,3	80	43
PFPK OH-315/2	6500	1820	2,2	2800	-	4,6	82	52
PFPK OH-315/2D	8600	2180	3	2800	-	6	83	54
PFPK OH-355/2	9360	2500	4	2800	-	7,8	85	92
PFPK OH-400/2A	12500	2700	5,5	2800	-	10,5	90	122
PFPK OH-400/2	15120	3400	7,5	2800	-	10,3	92	128
PFPK OH-450/2	17640	3900	11	2800	-	13,7	95	159
PFPK OH-500/2	22356	5020	18,5	2800	-	32,2	97	279
PFPK OH-500/6	8100	470	0,75	900	-	2,1	71	119

**Guide values, may change the application depending on the motor used
 Rated currents are given on the rating plate and in the operating instructions.

*Measurement at a distance of 4m

DIAGRAM OF THE HOUSING IN THE LEFT ARRANGEMENT

Dimensions:

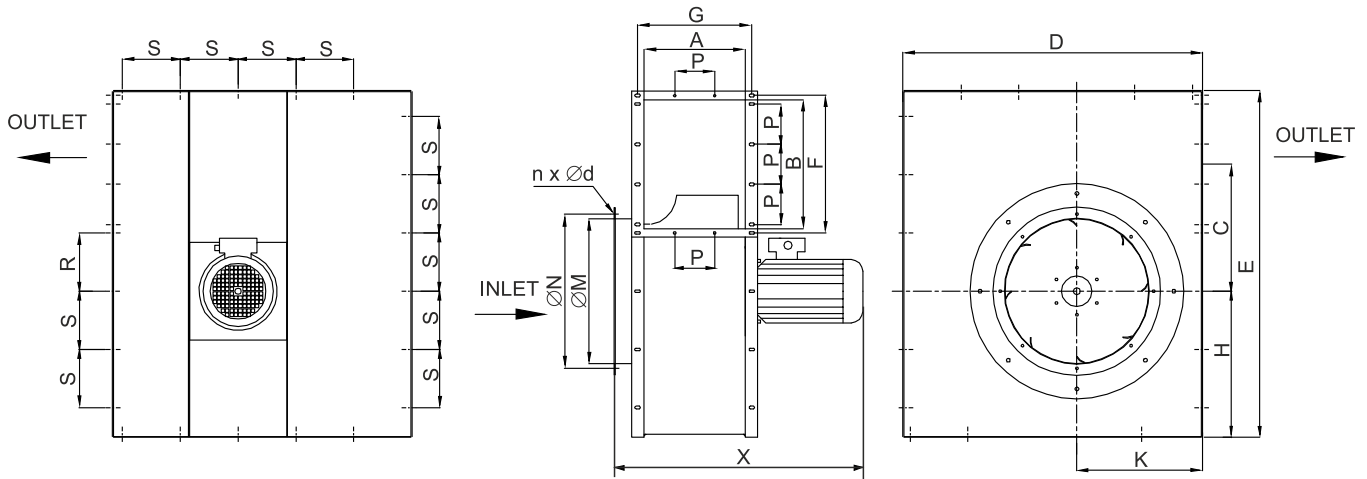
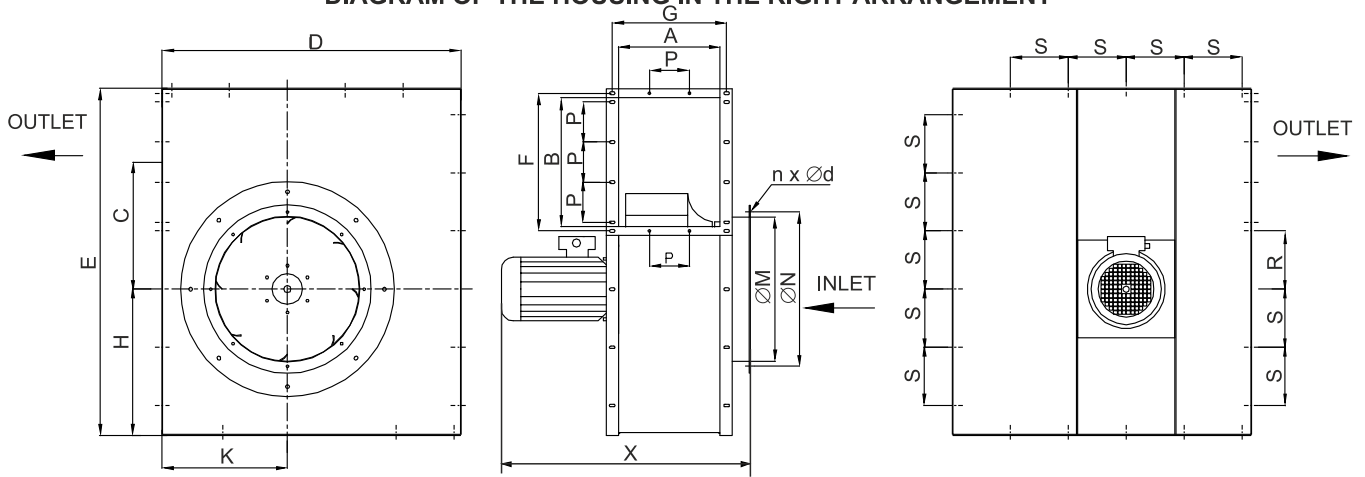
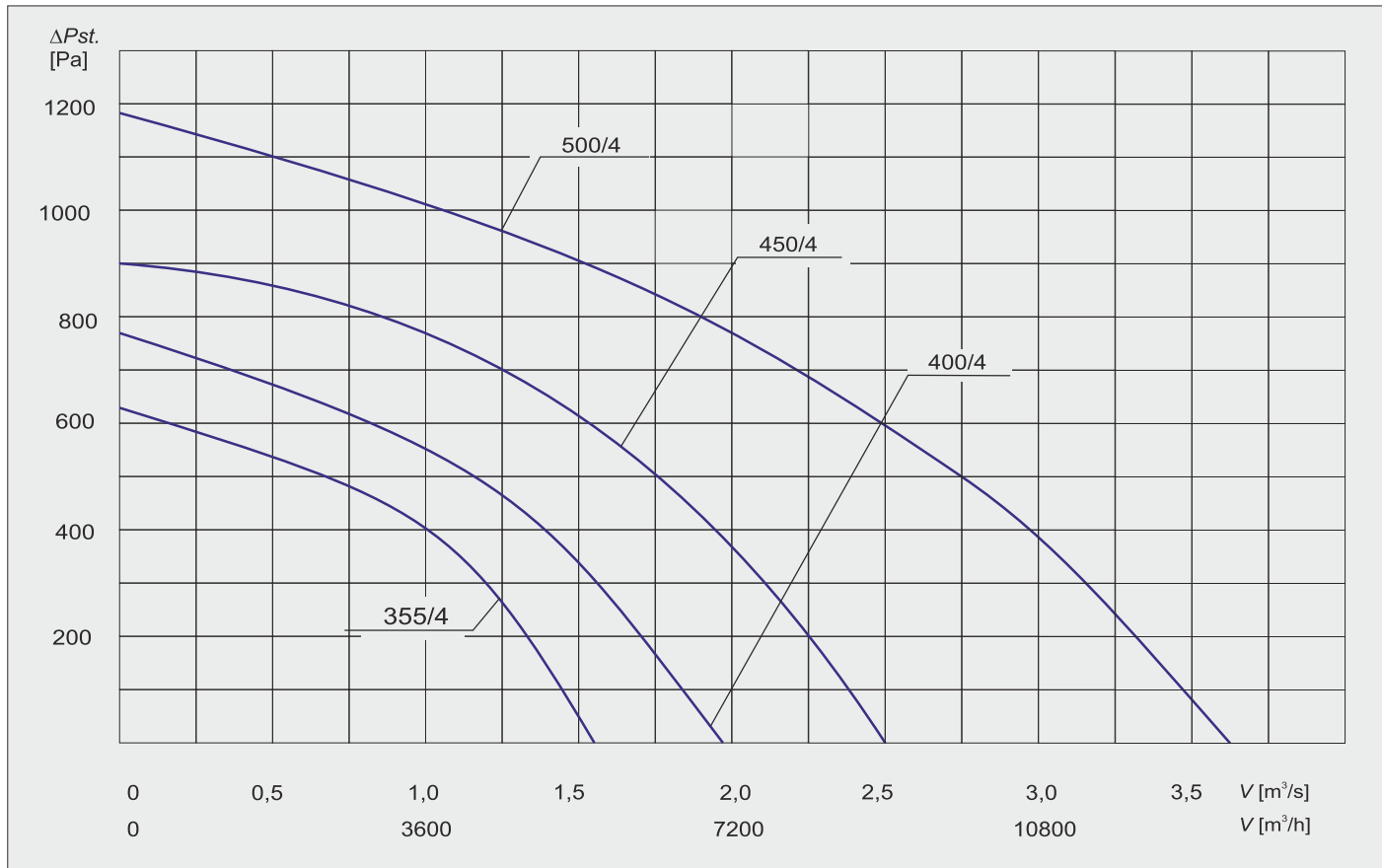
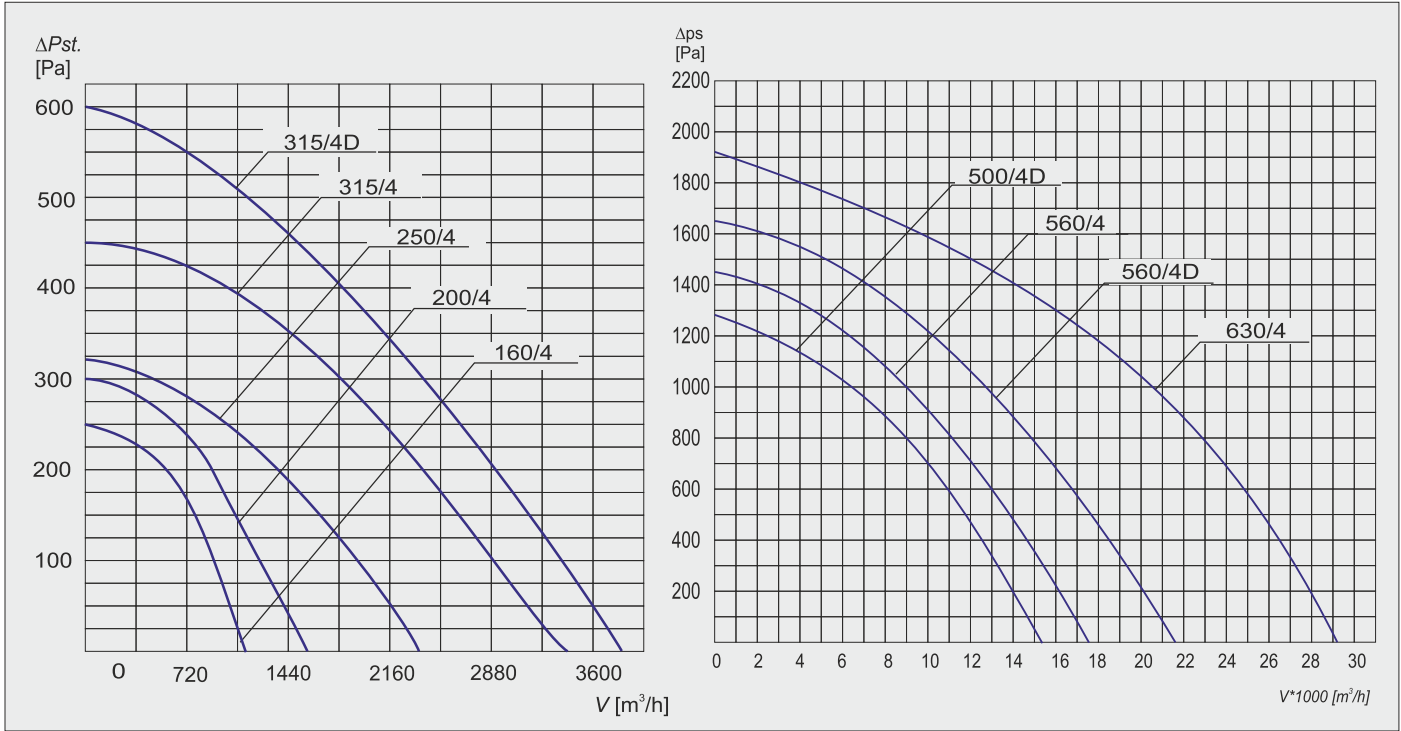


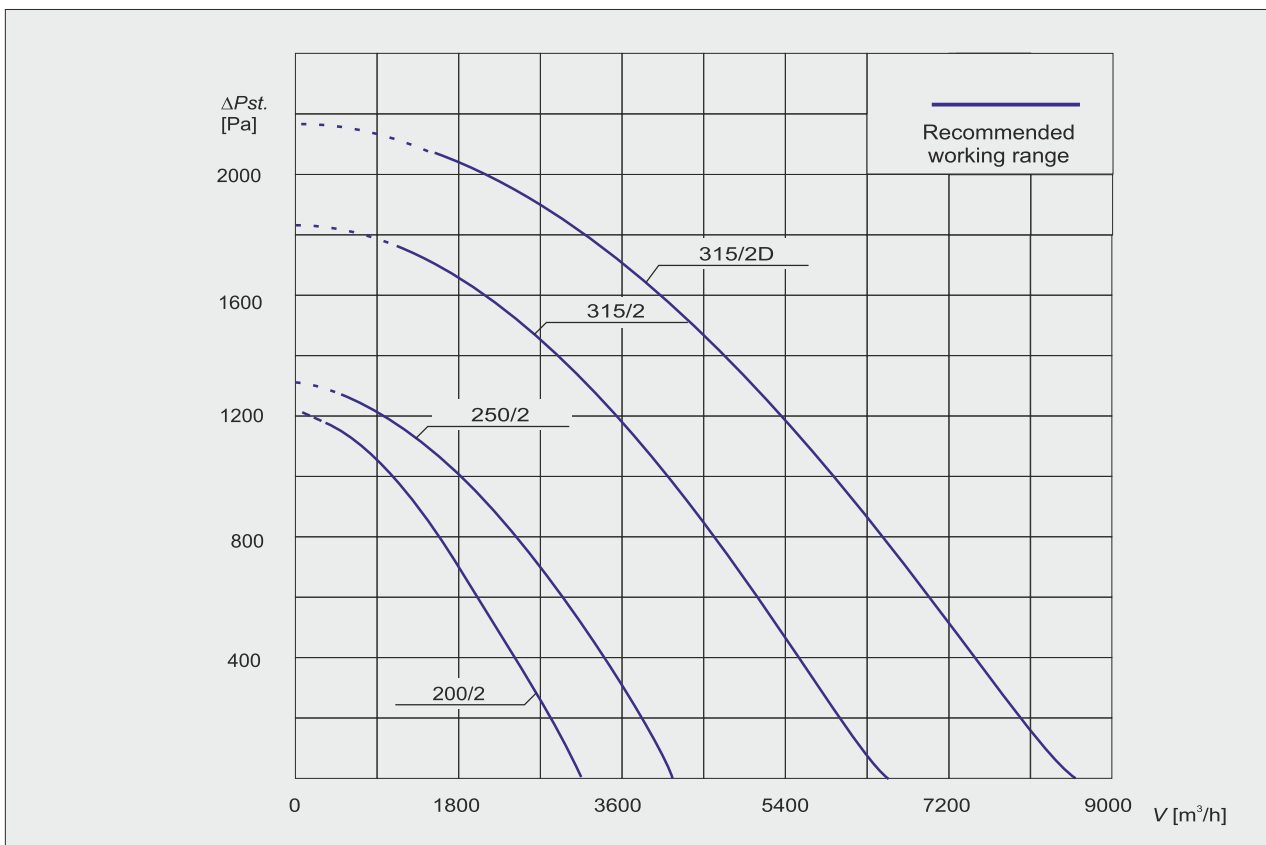
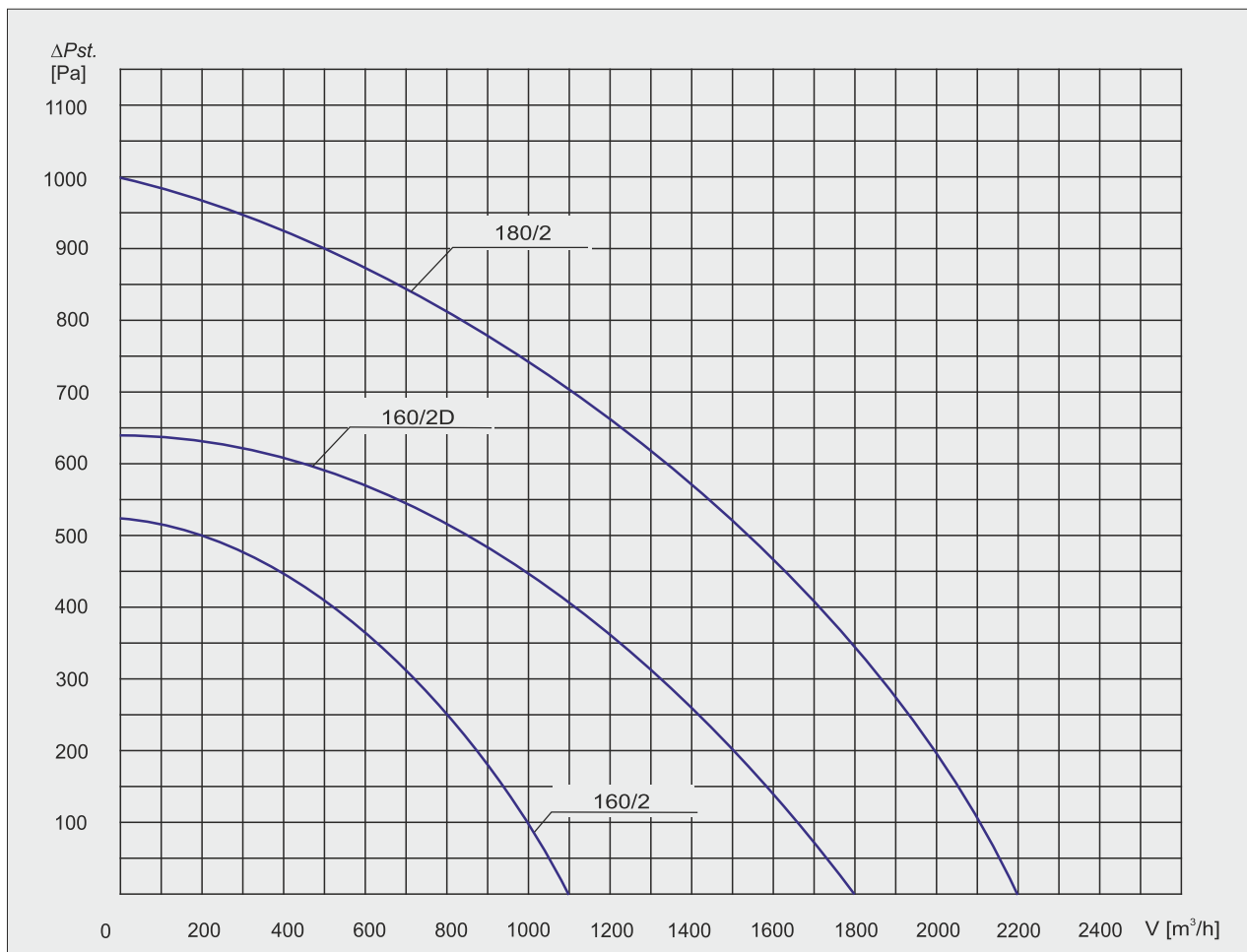
DIAGRAM OF THE HOUSING IN THE RIGHT ARRANGEMENT



Typ	Dimensions															
	A	B	C	D	E	H	K	S	R	M	N	X	$n \times d$	G	P	F
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
PFPK (OH, EX)-160/2	140	150	150	360	430	175	150	120	60	160	185	410	4 x 7	174	-	180
PFPK (OH, EX)-160/2D	150	160	165	400	470	195	170	140	70	160	185	445	4 x 7	184	-	190
PFPK (OH, EX)-160/4	200	200	200	480	560	230	200	170	85	160	205	510	4 x 7	234	-	230
PFPK (OH, EX)-180/2	200	200	200	480	560	230	200	170	85	160	205	510	4 x 7	234	-	230
PFPK (OH, EX)-200/2	200	200	225	500	600	245	210	110	110	200	225	546	4 x 9,5	236	-	230
PFPK (OH, EX)-200/4	200	200	225	500	600	245	210	110	110	200	225	485	4 x 9,5	236	-	230
PFPK (OH, EX)-250/2	200	250	240	550	670	275	230	200	100	250	275	590	4 x 9,5	236	140	280
PFPK (OH, EX)-250/4	200	250	240	550	670	275	230	200	100	250	275	512	4 x 9,5	236	140	280
PFPK (OH, EX)-315/2, 2D	250	315	298	700	820	344	300	250	125	315	352	676	8 x 9,5	286	140	345
PFPK (OH, EX)-315/4	250	315	298	700	820	344	300	250	125	315	352	560	8 x 9,5	286	140	345
PFPK (OH, EX)-315/4D	250	315	298	700	820	344	300	250	125	315	352	590	8 x 9,5	286	140	345
PFPK (OH, EX)-355/2	250	315	307	750	850	355	325	135	135	355	392	685	8 x 9,5	296	140	345
PFPK (OH, EX)-355/4	250	315	307	750	850	355	325	135	135	355	392	580	8 x 9,5	296	140	345
PFPK (OH, EX)-400/2, 2A	315	355	362	850	980	410	360	170	170	400	438	845	8 x 9,5	361	140	385
PFPK (OH, EX)-400/4	315	355	362	850	980	410	360	170	170	400	438	686	8 x 9,5	361	140	385
PFPK (OH, EX)-450/2	315	400	405	940	1080	445	410	190	190	450	488	910	8 x 9,5	361	140	428
PFPK (OH, EX)-450/4	315	400	405	940	1080	445	410	190	190	450	488	705	8 x 9,5	361	140	428
PFPK (OH, EX)-500/2	355	450	442	1050	1210	510	440	203	203	500	538	990	8 x 9,5	400	140	480
PFPK (OH, EX)-500/4	355	450	442	1050	1210	510	440	203	203	500	538	780	8 x 9,5	400	140	480
PFPK (OH, EX)-500/6	355	450	442	1050	1210	510	440	203	203	500	538	780	8 x 9,5	400	140	480
PFPK (OH, EX)-500/4D	355	450	442	1050	1210	510	440	203	203	500	538	780	8 x 9,5	400	140	480
PFPK (OH, EX)-560/4	400	500	511	1200	1350	560	530	247	247	560	600	832	12 x 9,5	443	140	528
PFPK (OH, EX)-560/4D	400	500	511	1200	1350	560	530	247	247	560	600	832	12 x 9,5	443	140	528
PFPK (OH, EX)-630/4	450	550	580	1350	1550	650	565	285	285	630	670	946	12 x 9,5	496	140	590

Aerodynamic characteristics





Charakterystyki aerodynamiczne PFPK (OH,EX)

