

### Application

Direct driven centrifugal fans adapted for stationary installation in ventilation, air-conditioning, heating systems, etc. The fans are characterized by high efficiency, resistance to pollution and low noise level.

Standard version with motor with IP55 protection, suitable for continuous operation and speed regulation. 3-phase motors adapted to control with a frequency converter. Permissible temperature of the pumped medium up to +60oC (up to 150oC on request). Permissible ambient temperature up to +40oC. Other temperature ranges available on request.

### Construction

Housing - powder coated steel (hot-dip galvanized on request).

Impeller - steel covered with polyester using the furnace method.

Motor - electric with IP55 protection, three-phase or single-phase power supply, adapted to speed regulation.

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

As a standard, PFPK fans are made in the LEFT housing arrangement. The RIGHT housing arrangement is available on request.

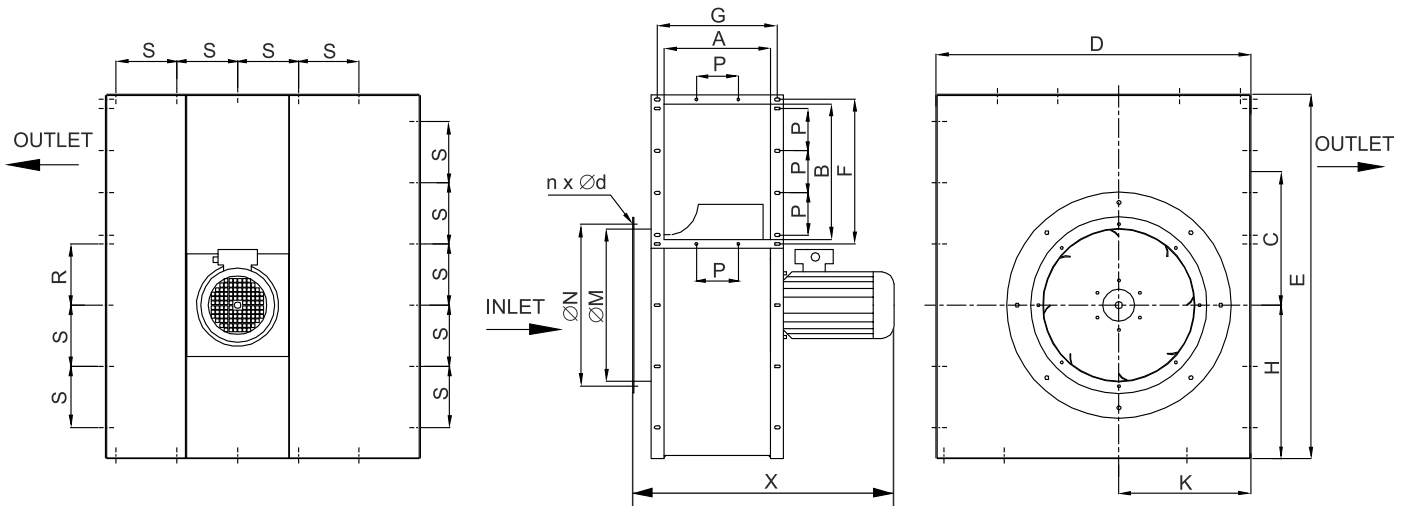
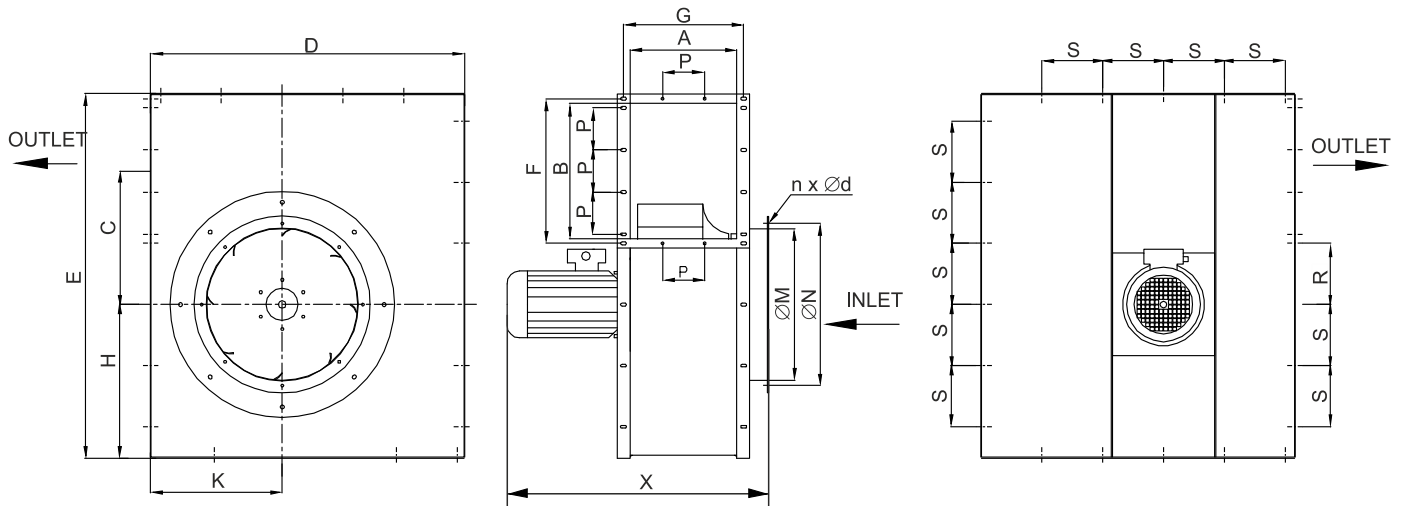


**ATTENTION PFPK-160/4, PFPK-160/2, PFPK-160/2D, PFPK-180/2 fans are made only in the LEFT housing arrangement.**

### Technical data:

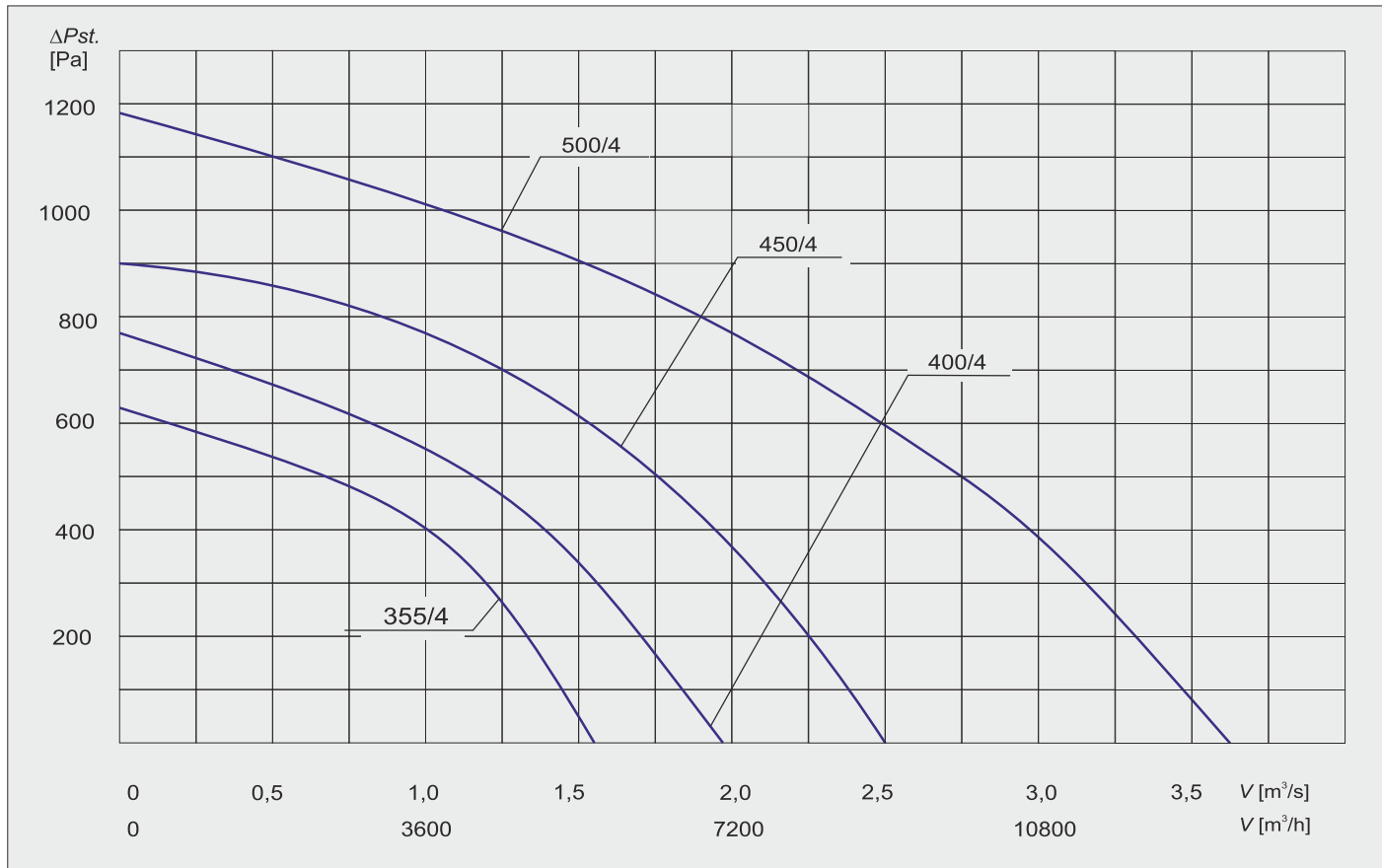
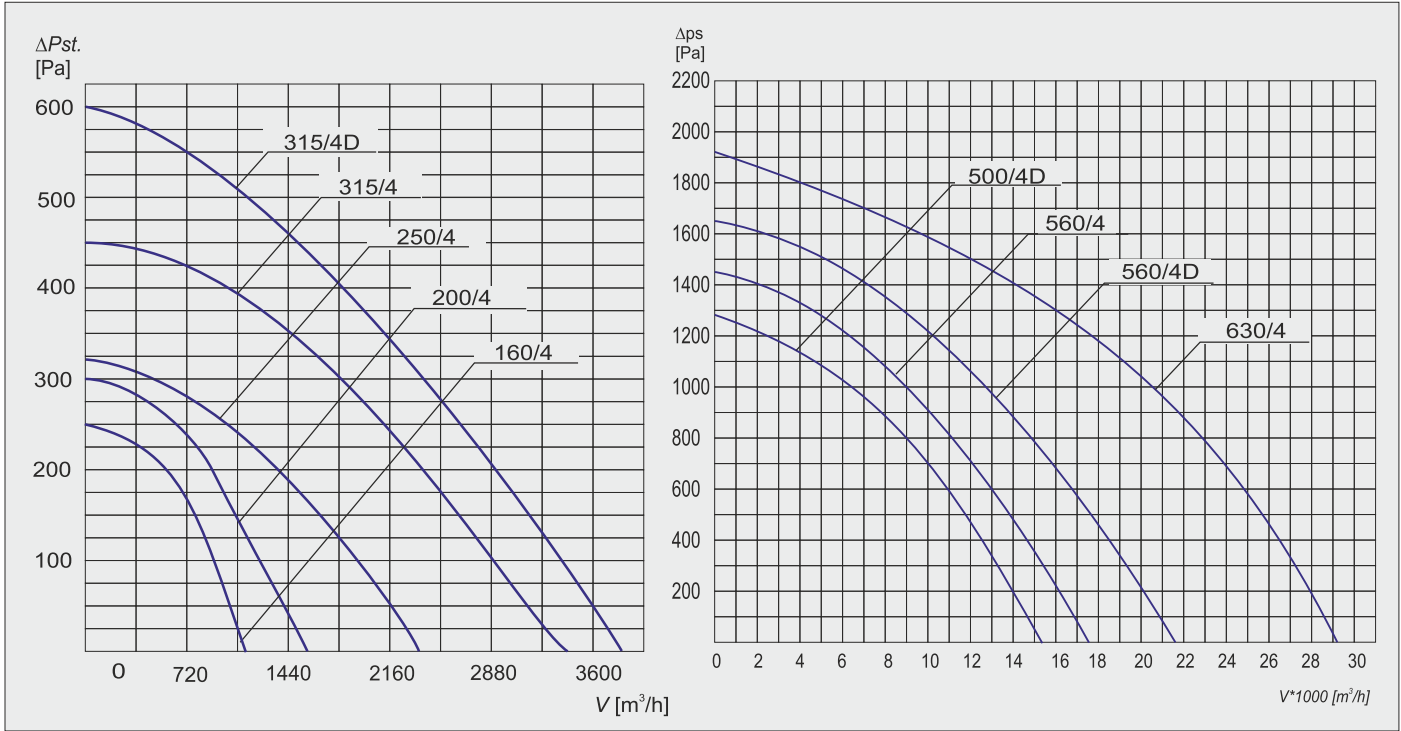
Typ	Efficiency MAX	Pressure MAX	Input power	Highest speed	Rated Current **		Noise*	Weight
	[m3/h]	[Pa]	[kW]	[obr./min]	1*230V [A]	3*400V [A]		
PFPK-160/4	1150	250	0,12	1400	0,85	0,47	58	28
PFPK-200/4	1540	300	0,18	1400	1,5	0,63	59	33
PFPK-250/4	2160	325	0,25	1400	1,9	0,71	60	36
PFPK-315/4	3200	450	0,37	1400	2,9	0,98	66	37
PFPK-315/4D	3780	600	0,55	1400	4,2	1,5	67	58
PFPK-355/4	5800	630	0,75	1400	4,9	1,9	68	62
PFPK-400/4	7100	750	1,1	1400	7,2	2,7	71	98
PFPK-450/4	9000	900	1,5	1400	9,3	3,4	76	125
PFPK-500/4	13000	1200	2,2	1400	-	4,8	80	130
PFPK-500/4D	14800	1260	3,0	1400	-	6,5	80	140
PFPK-560/4	17400	1445	4,0	1400	-	8,1	81	155
PFPK-560/4D	21700	1620	5,5	1400	-	10,9	82	168
PFPK-630/4	29200	1920	7,5	1400	-	14,4	86	198
PFPK-160/2	1100	520	0,18	2800	1	0,62	60	25
PFPK-160/2D	1800	640	0,25	2800	2	0,85	68	26
PFPK-180/2	2200	1000	0,55	2800	3,15	1,4	75	28
PFPK-200/2	3050	1200	1,1	2800	7	2,45	79	30
PFPK-250/2	3900	1300	1,5	2800	-	3,3	80	43
PFPK-315/2	6500	1820	2,2	2800	-	4,6	82	77
PFPK-315/2D	8600	2180	3,0	2800	-	6	83	54
PFPK-355/2	9360	2500	4,0	2800	-	7,8	85	92
PFPK-400/2A	12500	2700	5,5	2800	-	10,5	90	122
PFPK-400/2	15120	3400	7,5	2800	-	14,5	92	128
PFPK-450/2	17640	3900	11,0	2800	-	20,7	95	159
PFPK-500/2	22356	5020	18,5	2800	-	32,2	97	310
PFPK-500/6	8100	470	0,75	900	-	2,1	71	119

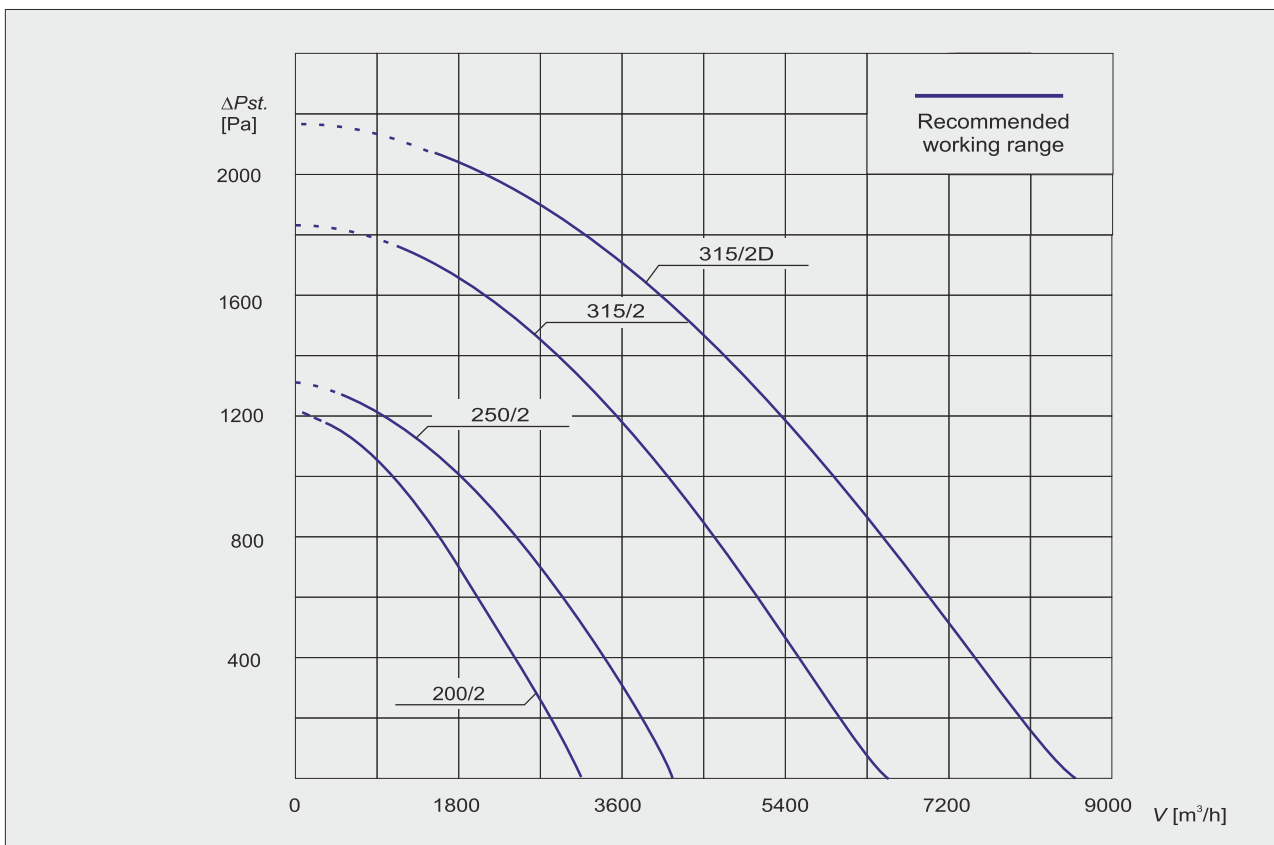
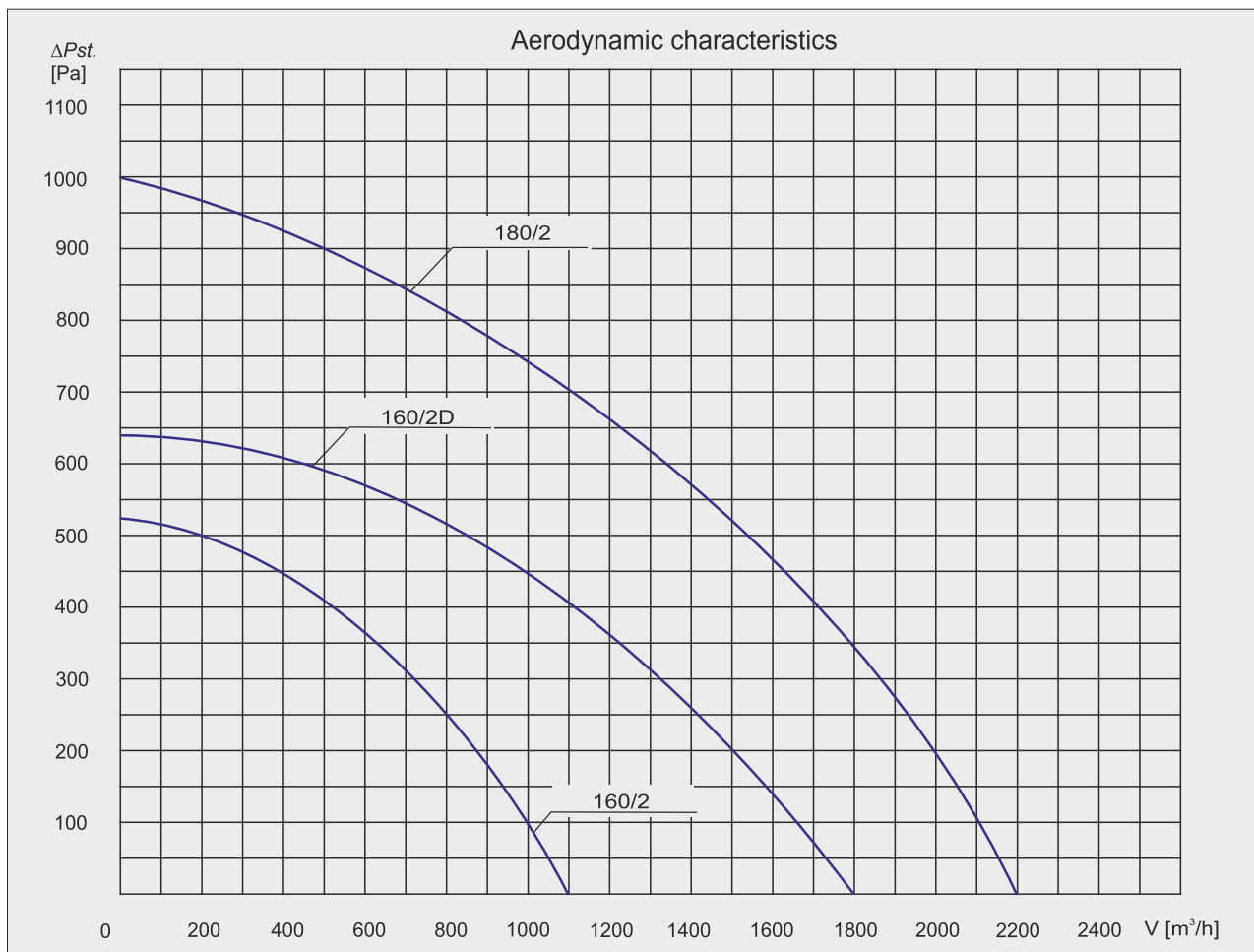
\*\*Guide values, may change the application depending on the motor used \*Measurement at a distance of 4m  
Rated currents are given on the rating plate and in the operating instructions.

**DIAGRAM OF THE HOUSING IN THE LEFT ARRANGEMENT**

**DIAGRAM OF THE HOUSING IN THE RIGHT ARRANGEMENT**


Typ	Dimensions															
	A	B	C	D	E	H	K	S	R	M	N	X	n x 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	606	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)

