



IRB čtyřhranné napojení

CHARAKTERISTIKA

- Radiální hlukově izolovaný ventilátor se čtyřhranným napojením
- Pro použití v rozvodech větších délek
- Kompaktní ventilátor s vysokým výkonem a účinností
- Nízká hladina akustického výkonu
- Ventilátor je určen pro dopravu čistého vzduchu bez prachu, mastnot, výparů chemikálií a dalšího znečištění
- Snadná instalace v libovolné poloze
- Pokud je ventilátor připojen na potrubí, může být instalován ve venkovním nebo vlhkém prostředí
- **Splňuje ErP 2018**

KONSTRUKCE

- Skříň ventilátoru je vyrobena z pozinkované oceli
- Oběžné kolo s dozadu zahnutými lopatkami
- Izolace minerální vatou tloušťky 50mm

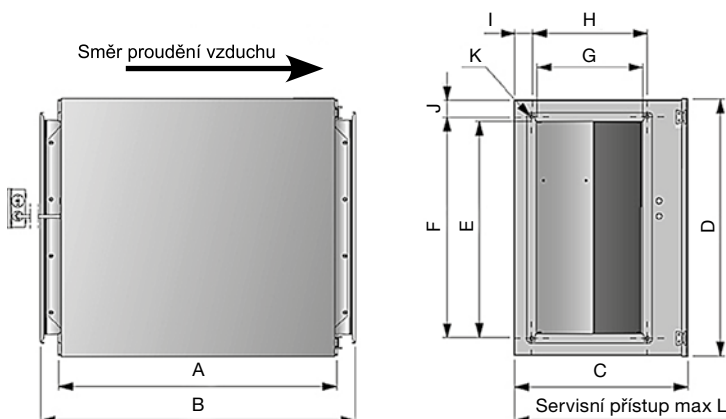
MOTOR

- **AC motory**
- Oběžné kolo s dozadu zahnutými lopatkami
- Vnější rotor motoru je vybaven bezúdržbovými zapouzdřenými kuličkovými ložisky
- Lze regulovat transformátorovým nebo elektronickým regulátorem otáček
- Integrovaná tepelná ochrana motoru

INSTALACE

- Snadná instalace v libovolné poloze

ROZMĚRY



Typ	Rozměry [mm]											
	A	B	C	D	E	F	G	H	I	J	ØK	L
IRB400x200	616	702	307	507	400	422	200	222	40	40	9	781
IRB500x250	658	744	410	608	500	522	250	272	41	40	9	908
IRB600x300	736	849	463	708	600	622	300	322	41	40	9	1081
IRB600x350	763	849	513	708	600	622	350	372	41	40	9	1130
IRB700x400	908	994	567	808	700	722	400	422	41	40	9	1322
IRB800x500	1033	1110	681	908	800	822	500	522	41	41	9	1569

HLUK

IRB400x200B1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	65	53	58	62	56	50	46	46	44
Od výfuku Lw dB(A)	73	56	60	67	67	65	64	61	55
Do prostoru Lw dB(A)	57	33	39	54	49	47	45	40	38
Do prostoru Lp dB(A)	50	26	32	47	42	40	38	33	31

IRB500x250B1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	62	51	53	58	50	52	48	48	48
Od výfuku Lw dB(A)	71	53	56	67	62	63	64	59	57
Do prostoru Lw dB(A)	52	34	40	49	45	43	42	37	35
Do prostoru Lp dB(A)	45	27	33	42	38	36	35	30	28

IRB500x250E1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	65	55	57	60	53	57	56	54	48
Od výfuku Lw dB(A)	72	51	56	66	63	64	67	62	56
Do prostoru Lw dB(A)	54	44	40	50	47	45	46	40	35
Do prostoru Lp dB(A)	47	37	33	43	40	38	39	33	28

* Hlukové údaje měřeny v nedefinovaném prostoru ve vzdálenosti 3 m, pro statický tlak 200 Pa

** Lp: hladina akustického tlaku dB(A) ve vzdálenosti 3 m

*** Lw: hladina akustického výkonu dB(A)

IRB600x300B1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	63	50	61	56	47	48	44	41	36
Od výfuku Lw dB(A)	73	57	67	66	61	67	64	60	52
Do prostoru Lw dB(A)	54	37	49	52	42	41	37	32	31
Do prostoru Lp dB(A)	47	30	42	45	35	34	30	25	24

IRB600x300B3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	64	51	63	56	48	42	41	41	38
Od výfuku Lw dB(A)	71	54	68	65	57	58	53	51	47
Do prostoru Lw dB(A)	58	35	56	51	40	38	34	34	30
Do prostoru Lp dB(A)	51	28	49	44	33	31	27	27	23

IRB600x350B3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	64	49	63	55	46	41	42	41	38
Od výfuku Lw dB(A)	69	52	67	63	55	57	52	51	47
Do prostoru Lw dB(A)	56	32	54	50	40	37	34	33	31
Do prostoru Lp dB(A)	49	25	47	43	33	30	27	26	24

IRB600x350C1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	67	50	67	58	51	47	47	43	37
Od výfuku Lw dB(A)	72	52	69	65	59	66	61	55	50
Do prostoru Lw dB(A)	57	38	53	54	44	41	41	38	34
Do prostoru Lp dB(A)	50	31	43	47	37	34	34	31	27

IRB600x350D1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	67	56	66	60	52	46	44	42	41
Od výfuku Lw dB(A)	74	59	71	68	61	61	56	55	55
Do prostoru Lw dB(A)	60	40	58	55	45	44	38	30	29
Do prostoru Lp dB(A)	53	33	51	48	38	37	31	23	22

IRB600x350D3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	67	54	66	60	53	47	46	44	40
Od výfuku Lw dB(A)	75	61	73	68	61	62	57	53	52
Do prostoru Lw dB(A)	59	37	57	54	44	42	38	36	36
Do prostoru Lp dB(A)	52	30	50	47	37	35	31	29	29

IRB700x400B3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	67	56	65	58	53	46	41	39	36
Od výfuku Lw dB(A)	73	62	72	64	59	57	51	50	43
Do prostoru Lw dB(A)	55	44	53	50	40	36	32	31	29
Do prostoru Lp dB(A)	48	37	46	43	33	29	25	24	22

IRB700x400D1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	69	53	68	58	55	49	48	42	38
Od výfuku Lw dB(A)	75	58	70	67	63	68	65	60	53
Do prostoru Lw dB(A)	57	38	55	52	43	42	38	33	29
Do prostoru Lp dB(A)	50	31	48	45	36	35	31	26	22

IRB700x400E3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	69	56	67	61	58	52	47	48	42
Od výfuku Lw dB(A)	77	67	74	71	66	64	58	57	53
Do prostoru Lw dB(A)	62	44	60	57	46	54	37	34	32
Do prostoru Lp dB(A)	55	37	53	30	39	47	30	27	25

IRB800x500B3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	66	60	64	53	44	44	42	40	40
Od výfuku Lw dB(A)	73	67	71	63	59	58	54	51	48
Do prostoru Lw dB(A)	57	50	55	50	41	40	37	36	33
Do prostoru Lp dB(A)	50	43	48	43	34	33	30	29	26

* Hlukové údaje měřeny v nedefinovaném prostoru ve vzdálenosti 3 m, pro statický tlak 200 Pa

** Lp: hladina akustického tlaku dB(A) ve vzdálenosti 3 m

*** Lw: hladina akustického výkonu dB(A)

IRB800x500D1	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	72	61	69	65	60	62	59	55	51
Od výfuku Lw dB(A)	80	62	73	72	70	76	70	65	56
Do prostoru Lw dB(A)	67	50	66	59	52	49	43	40	33
Do prostoru Lp dB(A)	60	43	59	52	45	42	36	33	26

IRB800x500E3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	70	55	69	57	52	48	47	47	44
Od výfuku Lw dB(A)	76	65	73	67	66	64	59	59	54
Do prostoru Lw dB(A)	63	46	62	55	47	40	36	37	33
Do prostoru Lp dB(A)	56	39	55	48	40	33	29	30	26

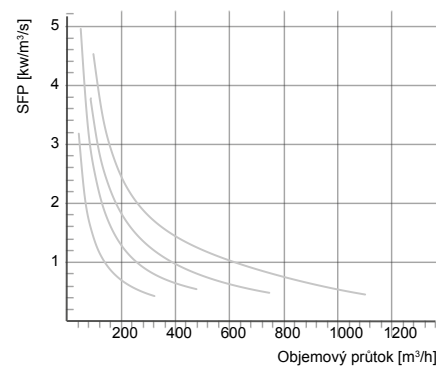
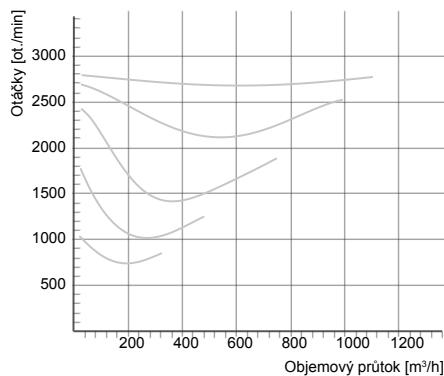
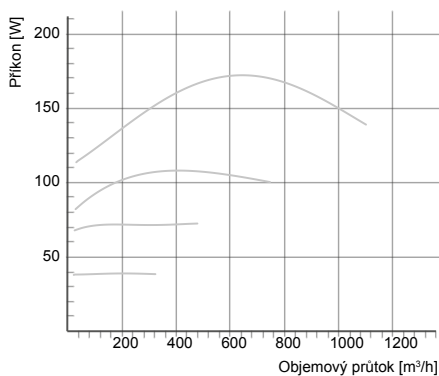
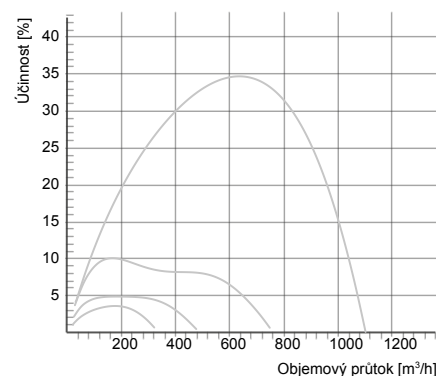
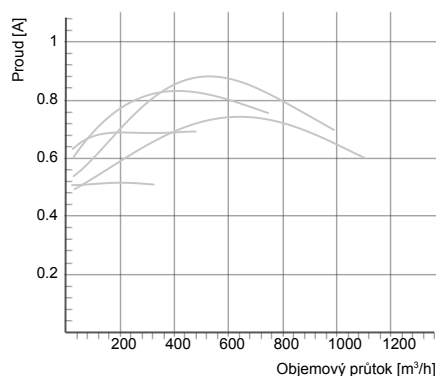
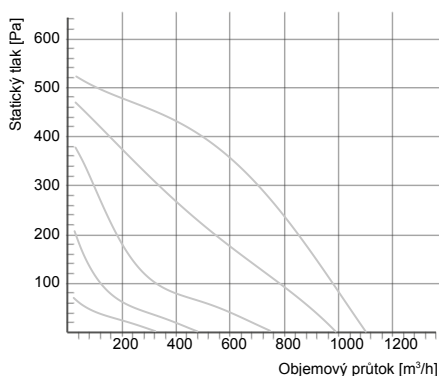
IRB800x500L3	Tot	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Od sání Lw dB(A)	73	63	71	64	61	63	60	56	50
Od výfuku Lw dB(A)	86	74	79	77	78	82	77	71	63
Do prostoru Lw dB(A)	68	53	67	61	54	50	46	40	33
Do prostoru Lp dB(A)	61	46	60	54	47	43	39	33	26

* Hlukové údaje měřeny v nedefinovaném prostoru ve vzdálenosti 3 m, pro statický tlak 200 Pa

** Lp: hladina akustického tlaku dB(A) ve vzdálenosti 3 m

*** Lw: hladina akustického výkonu dB(A)

CHARAKTERISTIKA VENTILÁTORU IRB400x200B1

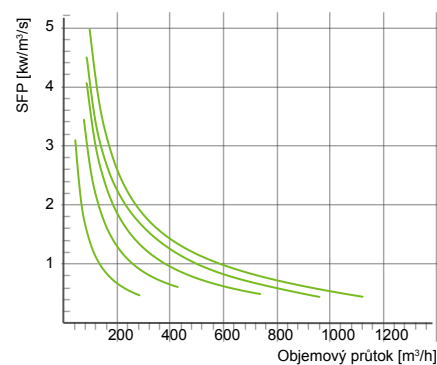
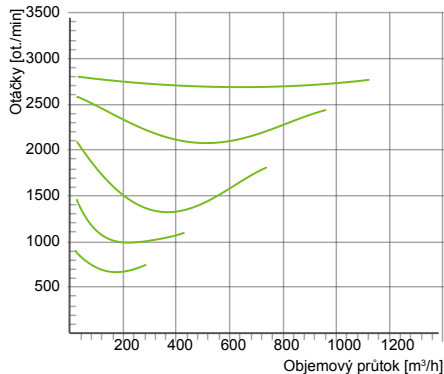
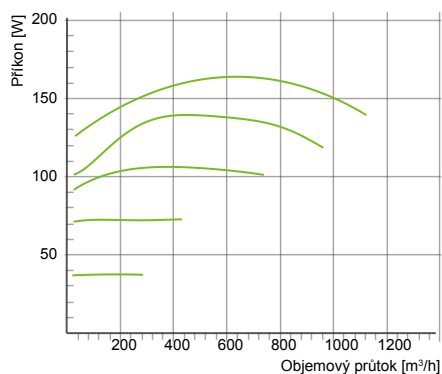
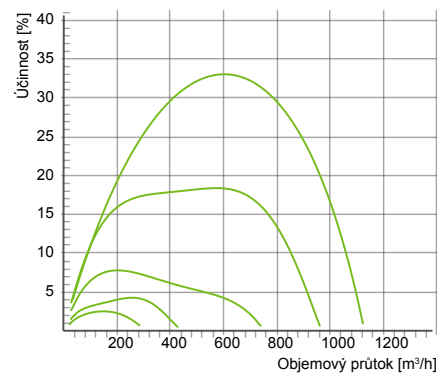
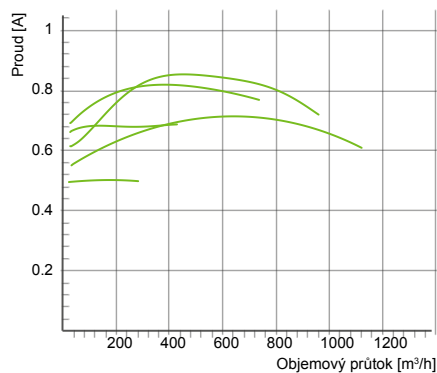
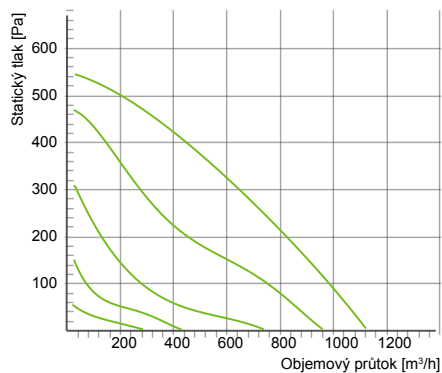


Typ	Napájení [V/Hz]	Hmotnost [kg]	Příkon [W]	Proud [A]*	IP/CL	Otáčky [ot./min]	Teplota [°C]**	Napojení [mm]	Max. průtok [m³/h]	Max. tlak [Pa]
IRB400x200B1	230/50	24,3	172	0,88	44/F	2670	65	400x200	1102	533

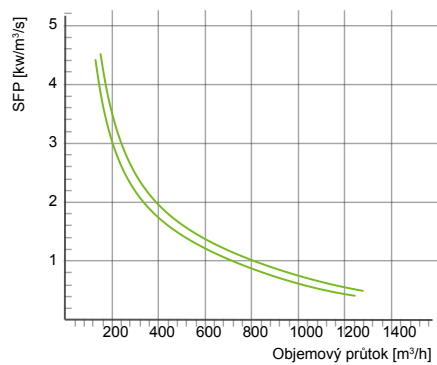
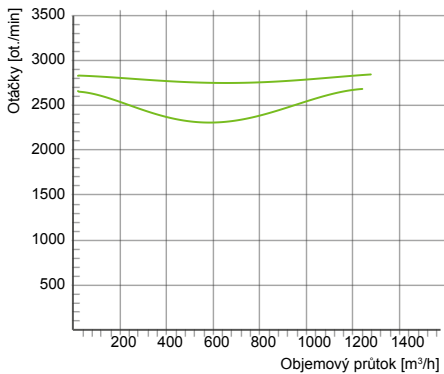
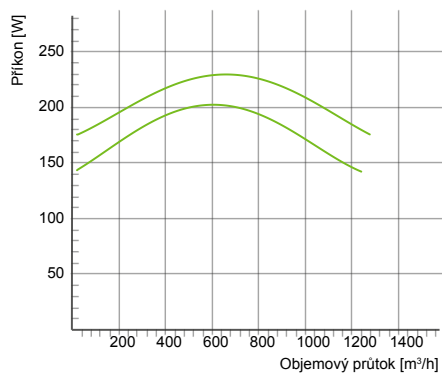
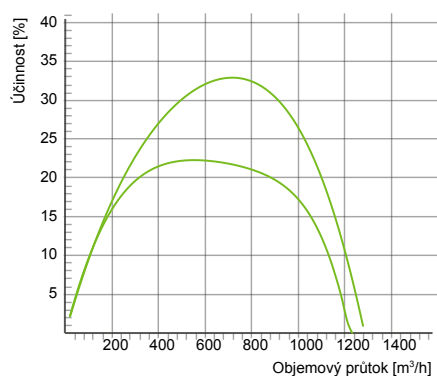
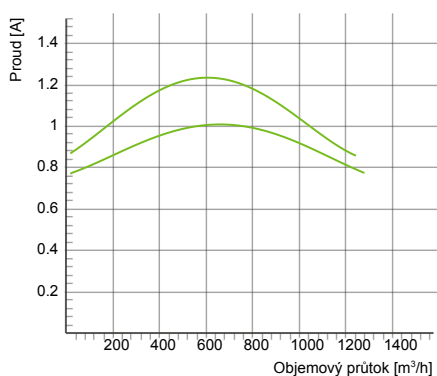
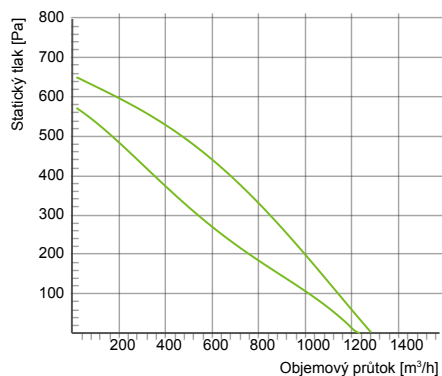
* Proud, když je ventilátor regulován

** Maximální teplota dopravovaného vzduchu, když je ventilátor regulován

IRB500x250B1



IRB500x250E1

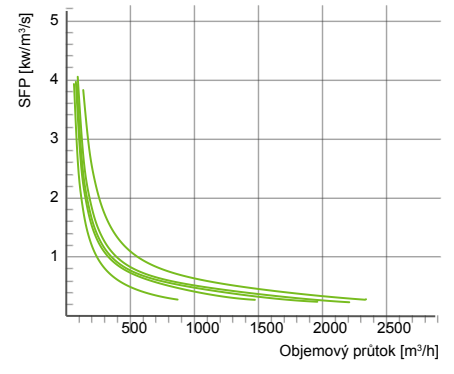
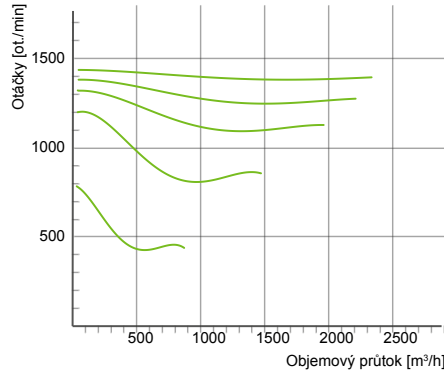
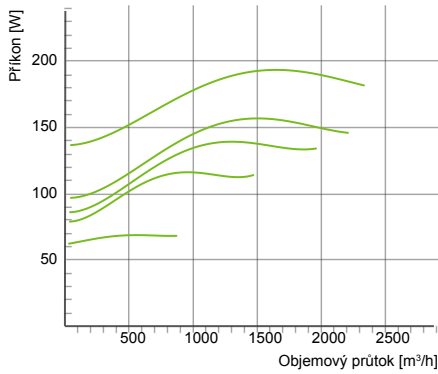
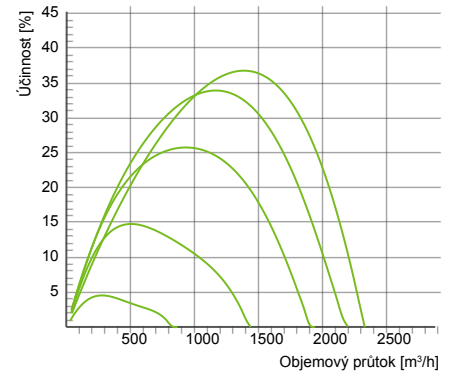
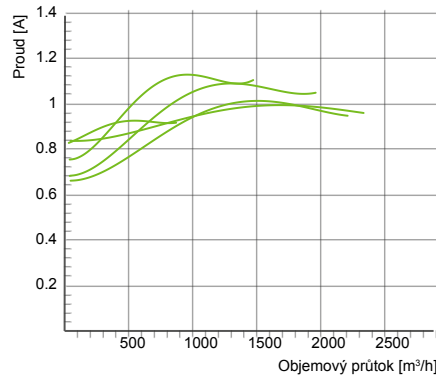
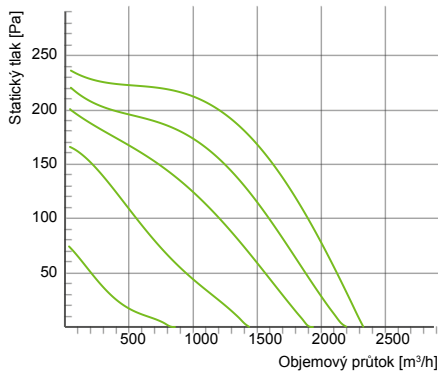


Typ	Napájení [V/Hz]	Hmotnost [kg]	Příkon [W]	Proud [A]*	IP/CL	Otáčky [ot./min]	Teplota [°C]**	Napojení [mm]	Max. průtok [m³/h]	Max. tlak [Pa]
IRB500x250B1	230/50	36,3	164	0,86	44/F	2690	65	500x250	1130	548
IRB500x250E1	230/50	36,8	233	1,26	44/F	2740	75	500x250	1285	652

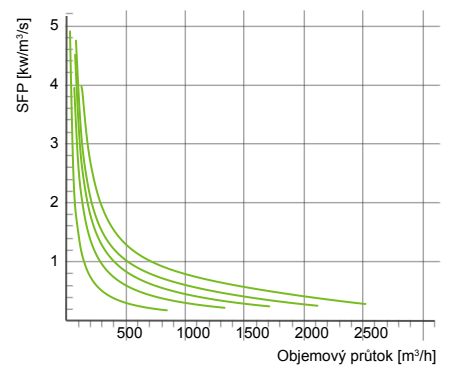
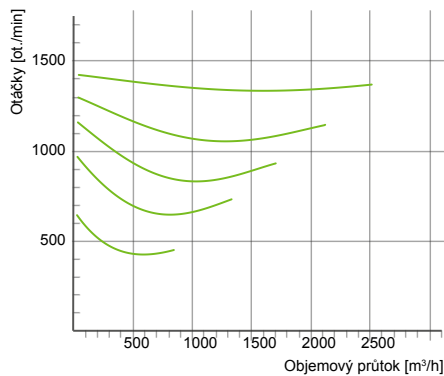
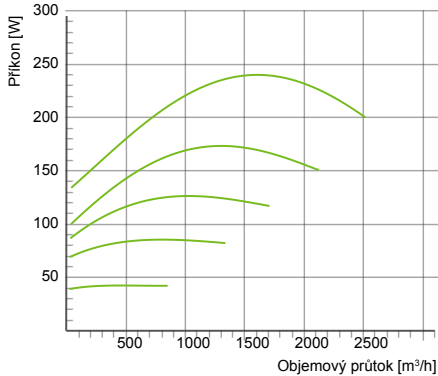
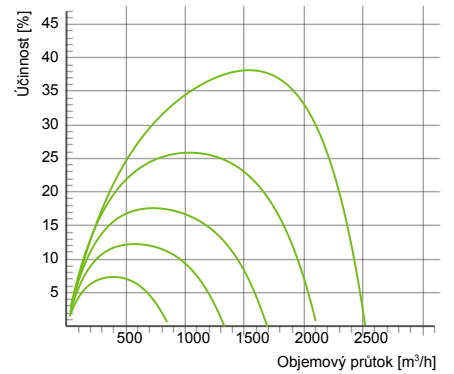
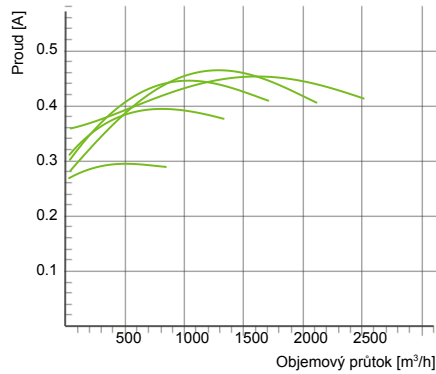
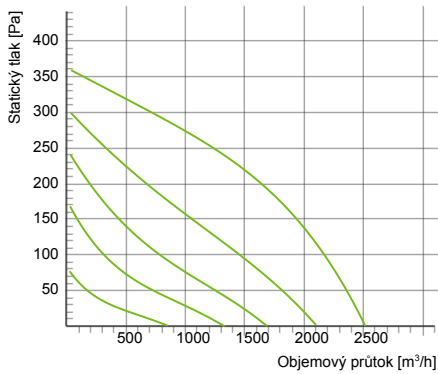
* Proud, když je ventilátor regulován

** Maximální teplota dopraveného vzduchu, když je ventilátor regulován

IRB600x300B1



IRB600x300B3

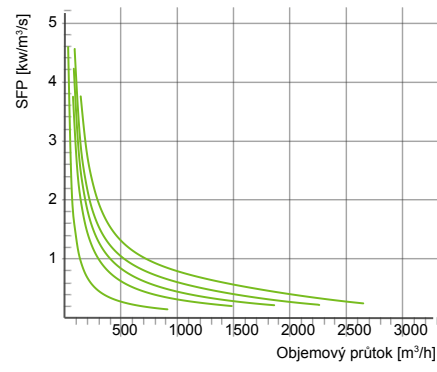
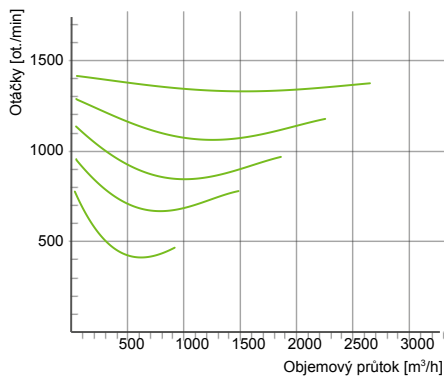
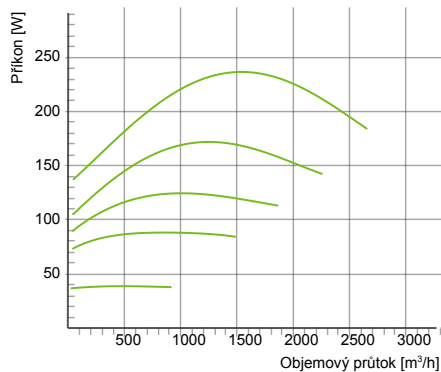
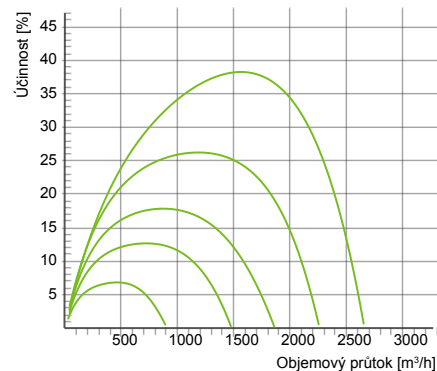
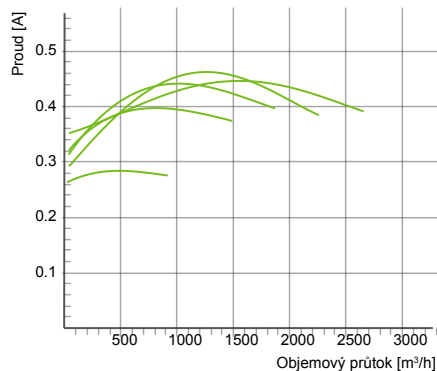
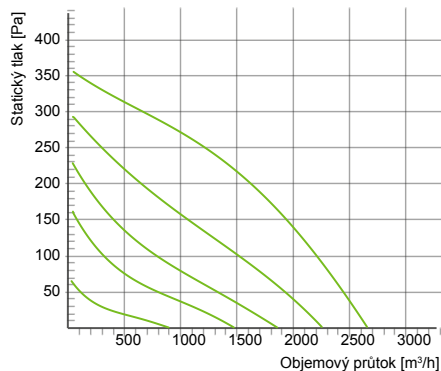


Typ	Napájení [V/Hz]	Hmotnost [kg]	Příkon [W]	Proud [A]*	IP/CL	Otáčky [ot./min]	Teplota [°C]**	Napojení [mm]	Max. průtok [m³/h]	Max. tlak [Pa]
IRB600x300B1	230/50	44,5	197	1,1	54/F	1380	80	600x300	2329	240
IRB600x300B3	400/50	44,7	240	0,46	54/F	1340	80	600x300	2516	360

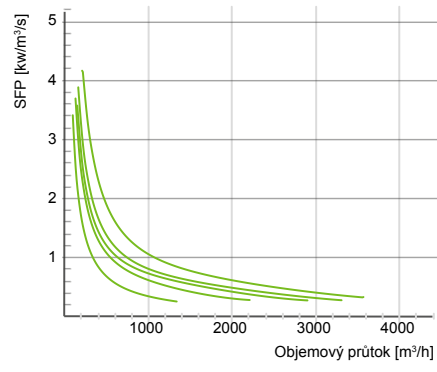
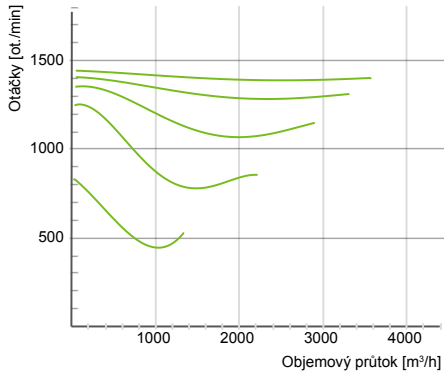
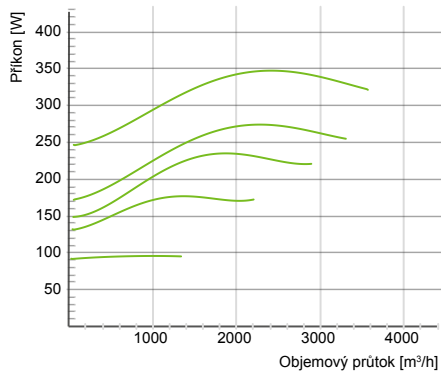
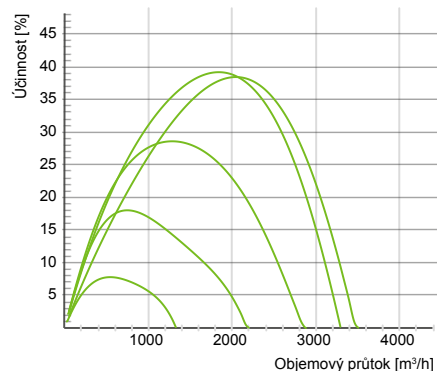
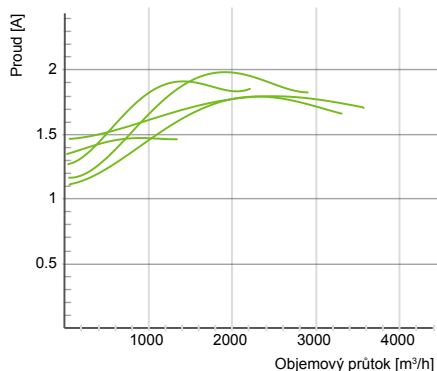
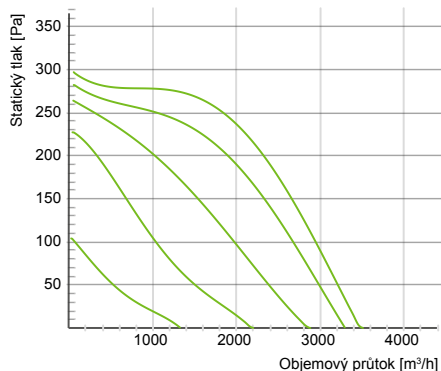
* Proud, když je ventilátor regulován

** Maximální teplota dopravaného vzduchu, když je ventilátor regulován

IRB600x350B3

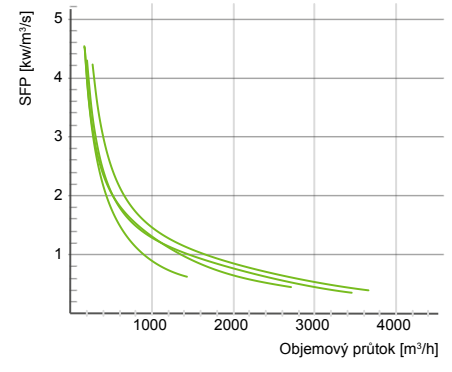
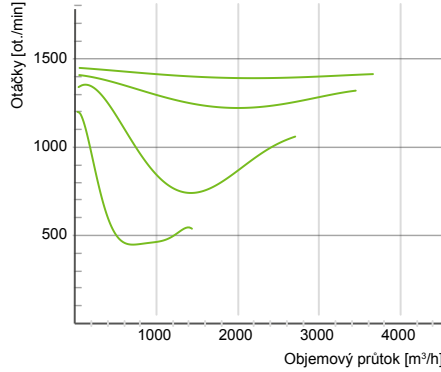
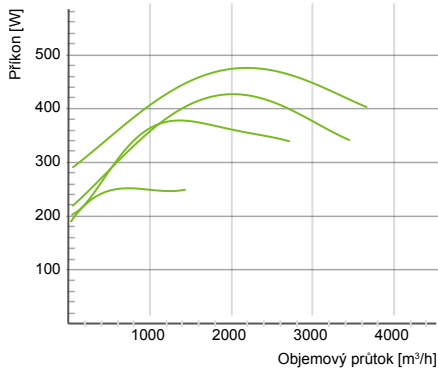
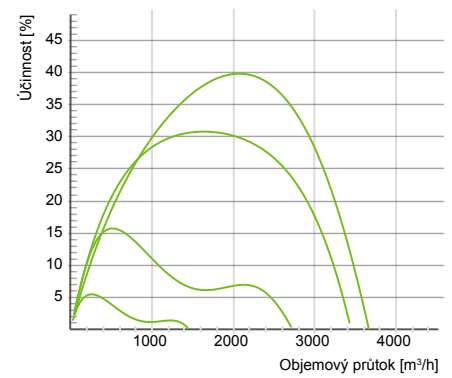
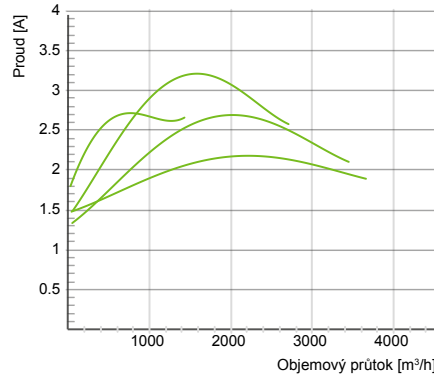
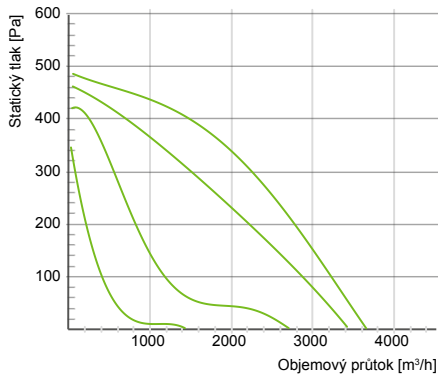


IRB600x350C1

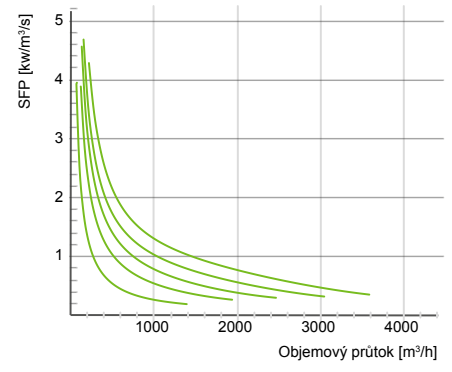
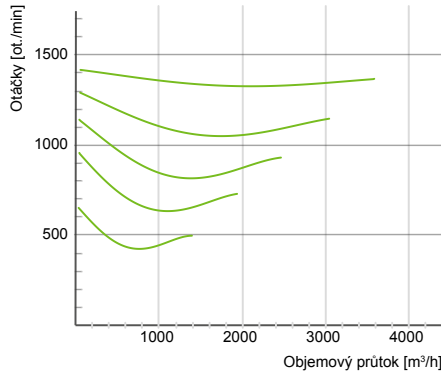
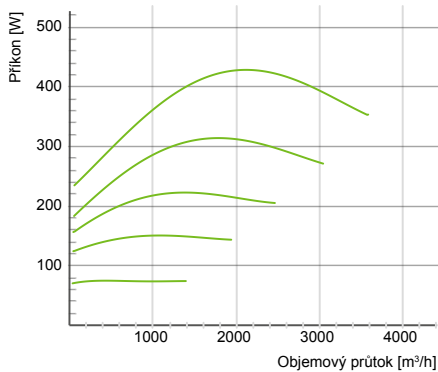
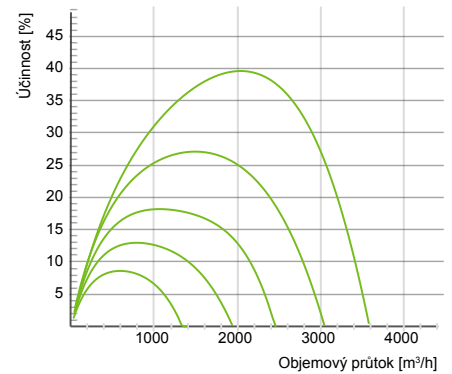
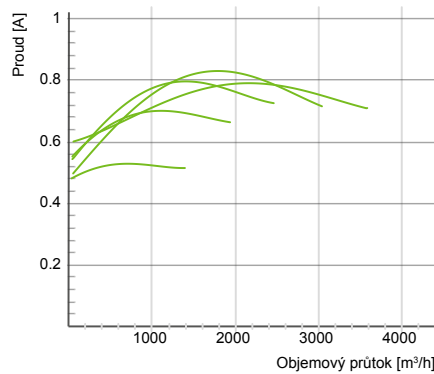
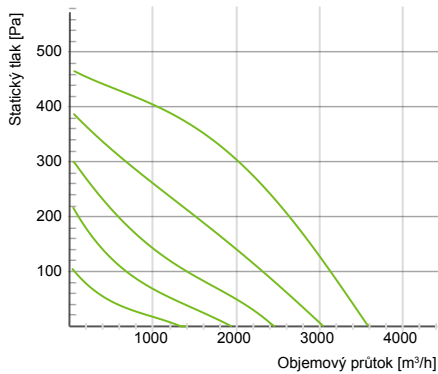


3

IRB600x350D1



IRB600x350D3

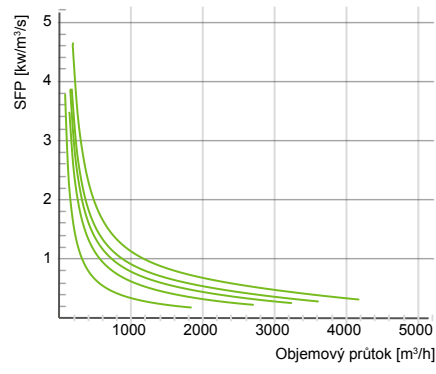
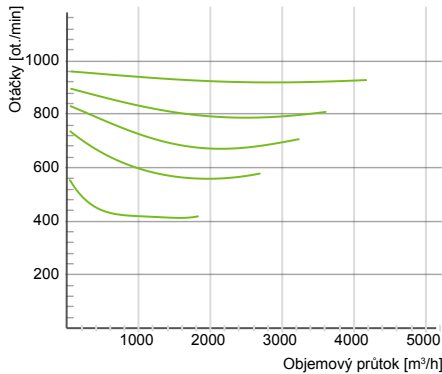
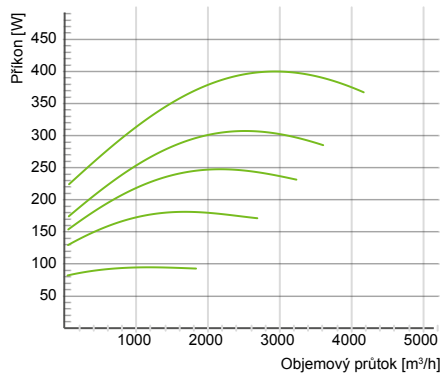
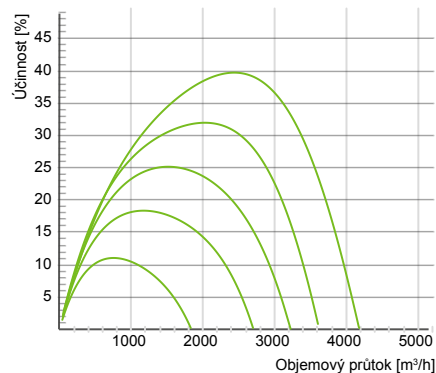
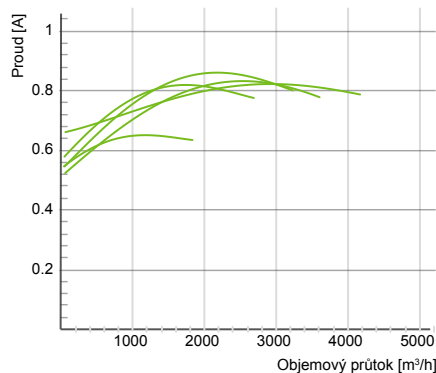
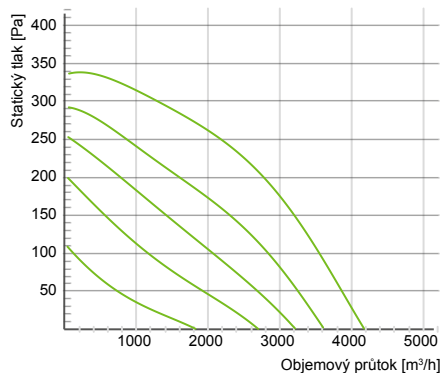


Typ	Napájení [V/Hz]	Hmotnost [kg]	Příkon [W]	Proud [A]*	IP/CL	Otáčky [ot./min]	Teplota [°C]**	Napojení [mm]	Max. průtok [m³/h]	Max. tlak [Pa]
IRB600x350B3	400/50	49	235	0,46	54/F	1330	80	600x350	2660	357
IRB600x350C1	230/50	51,5	348	2	54/F	1390	60	600x350	3474	304
IRB600x350D1	230/50	52,1	476	3,15	54/F	1390	65	600x350	3665	486
IRB600x350D3	400/50	50,6	427	0,83	54/F	1330	60	600x350	3582	467

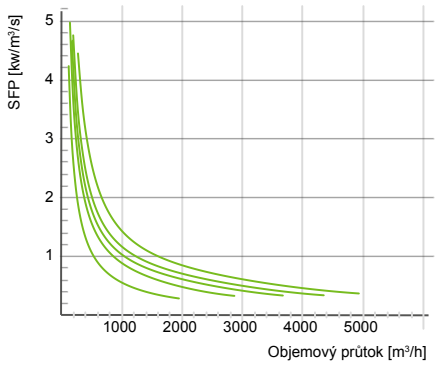
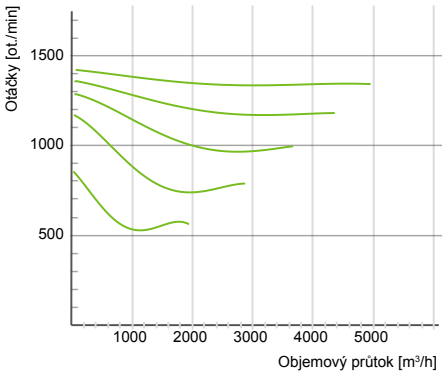
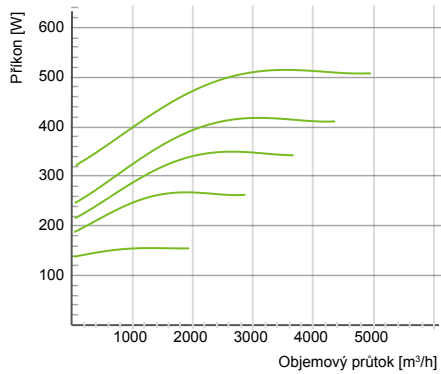
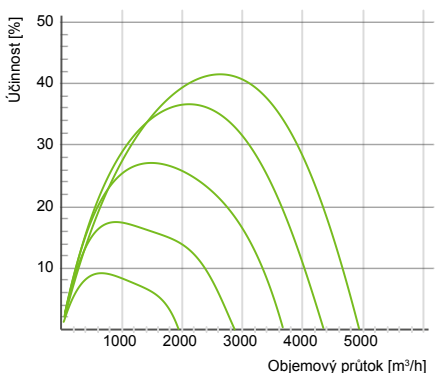
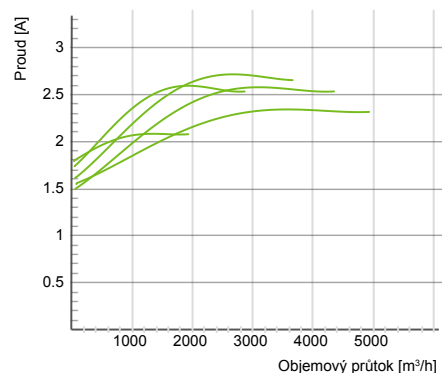
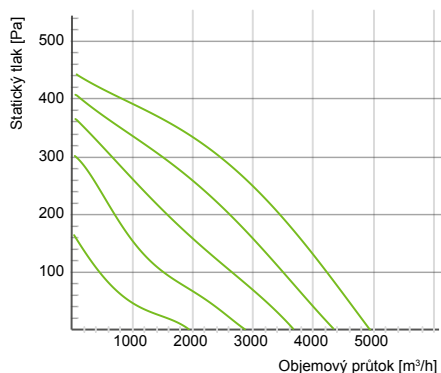
* Proud, když je ventilátor regulován

** Maximální teplota dopravaného vzduchu, když je ventilátor regulován

IRB700x400B3

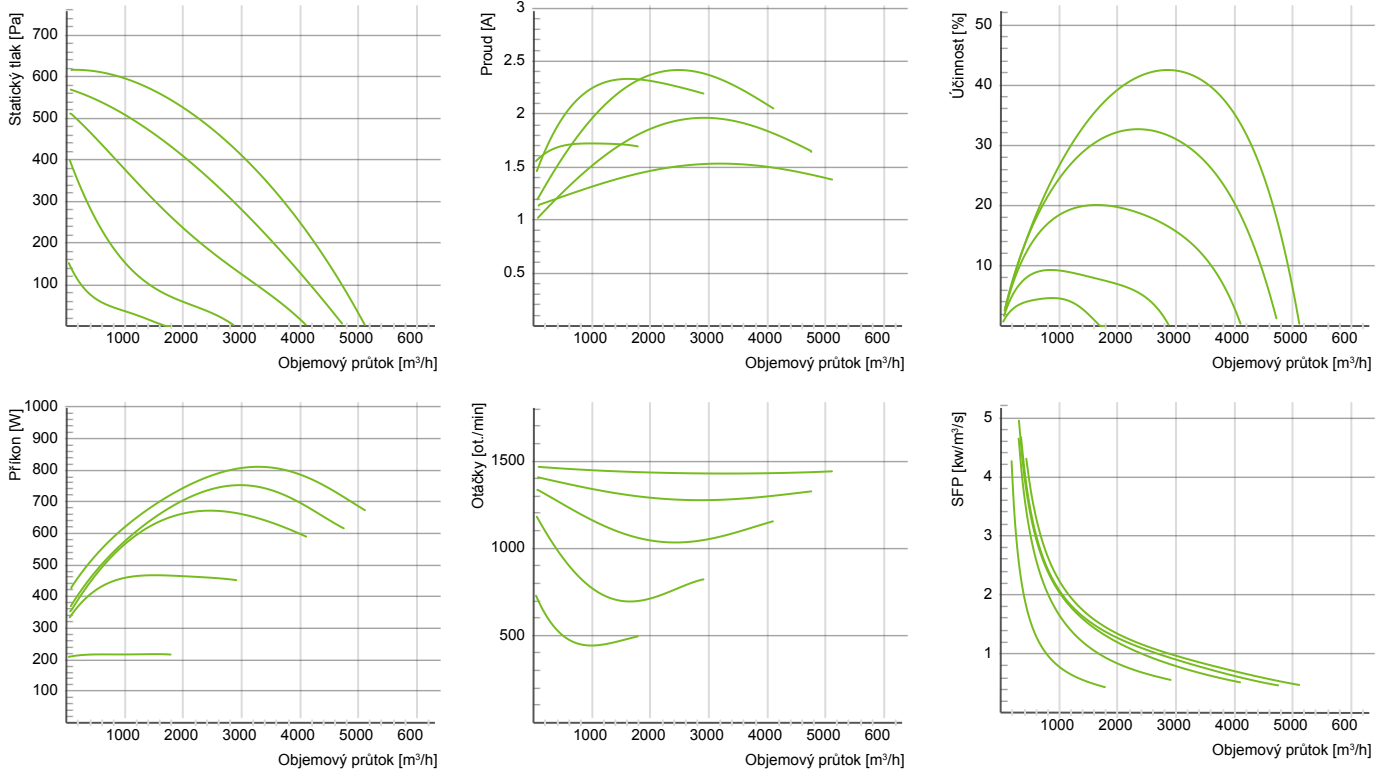


IRB700x400D1



3

IRB700x400E3

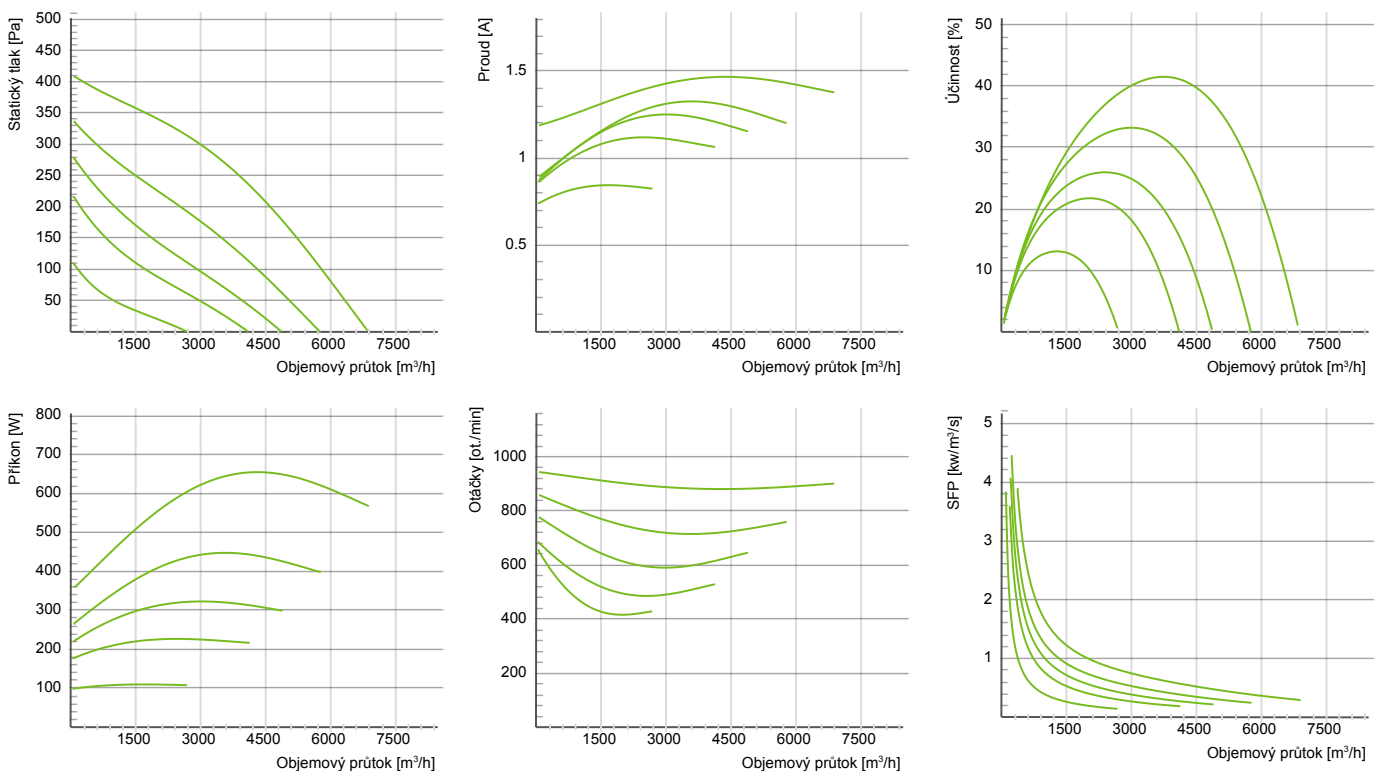


Typ	Napájení [V/Hz]	Hmotnost [kg]	Příkon [W]	Proud [A]*	IP/CL	Otáčky [ot./min]	Teplota [°C]**	Napojení [mm]	Max. průtok [m³/h]	Max. tlak [Pa]
IRB700x400B3	400/50	64	401	0,86	54/F	920	80	700x400	4183	339
IRB700x400D1	230/50	63,2	527	2,7	54/F	1330	80	700x400	4936	447
IRB700x400E3	400/50	69,2	818	2,43	54/F	1430	60	700x400	5119	621

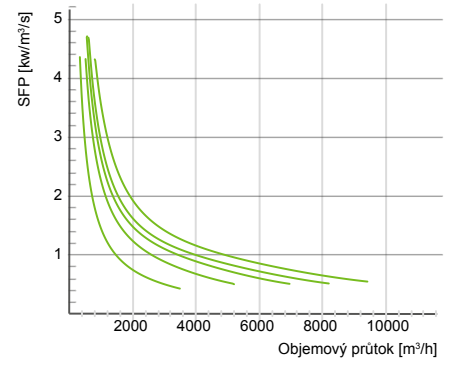
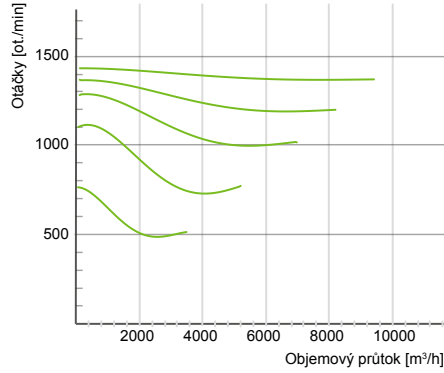
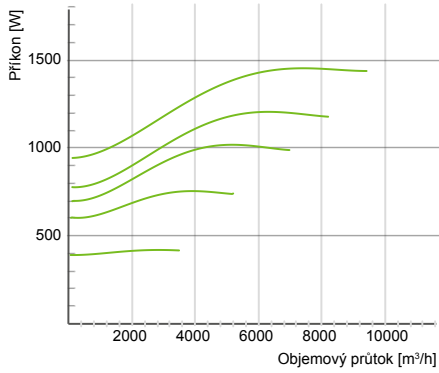
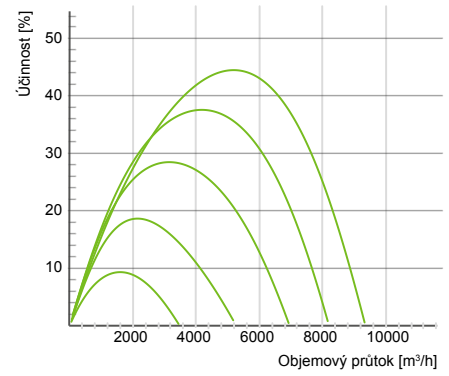
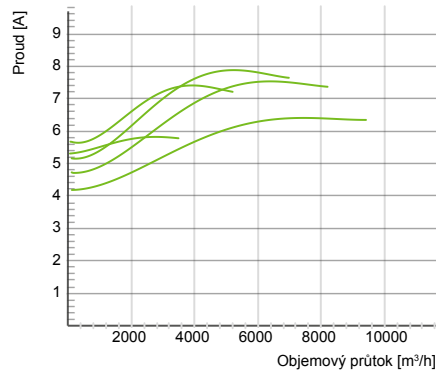
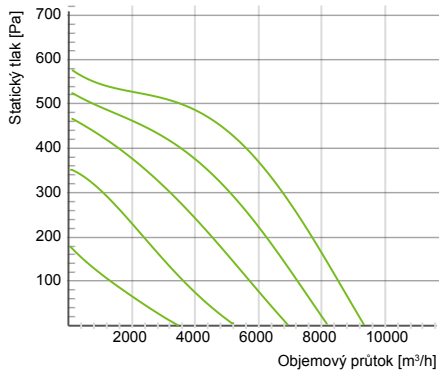
* Proud, když je ventilátor regulován

** Maximální teplota dopraveného vzduchu, když je ventilátor regulován

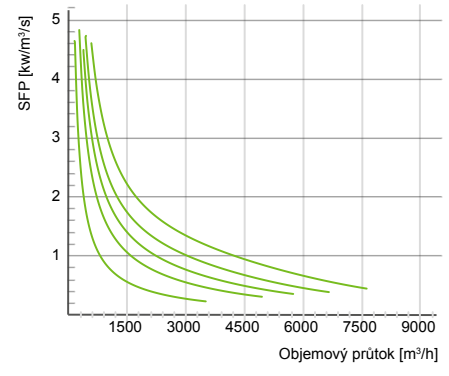
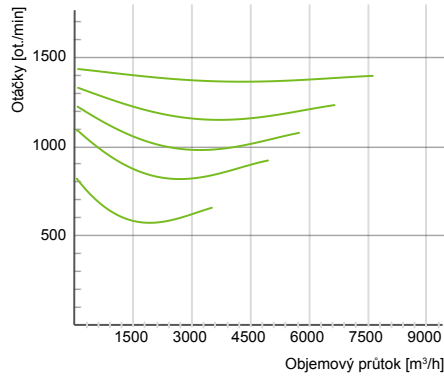
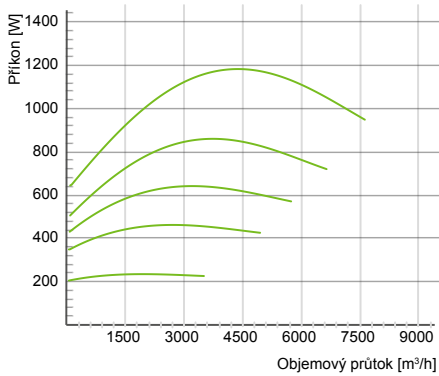
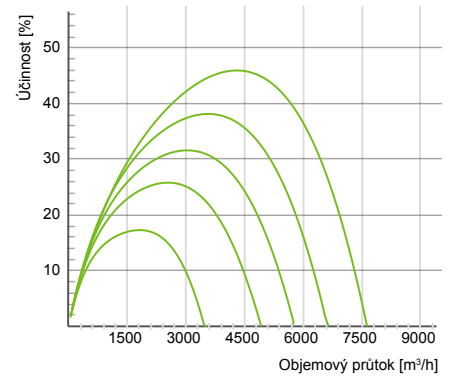
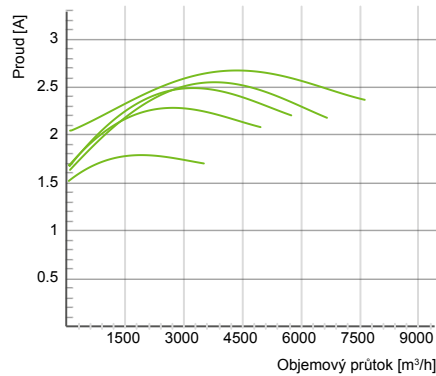
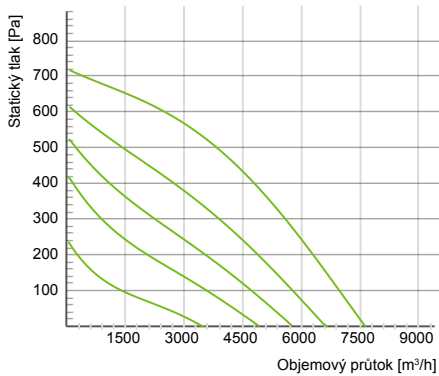
IRB800x500B3



IRB800x500D1

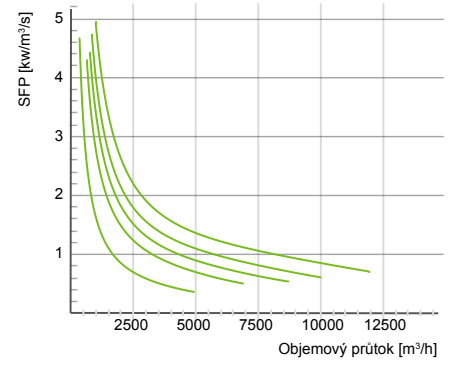
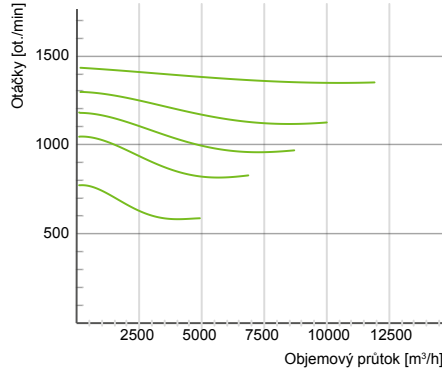
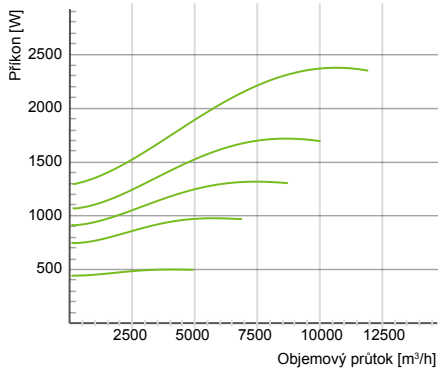
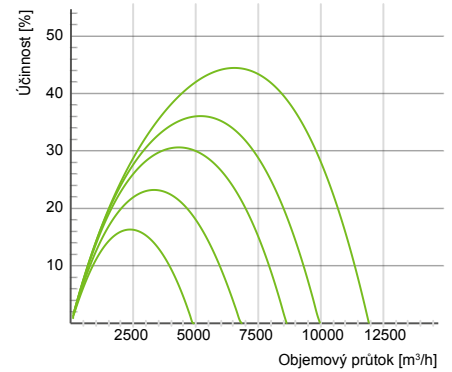
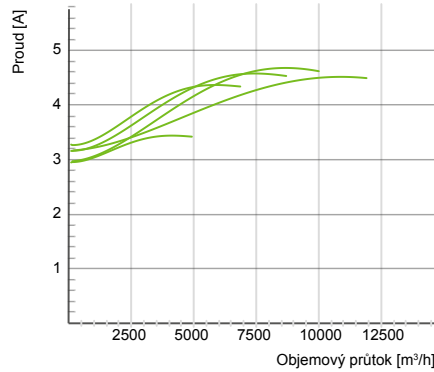
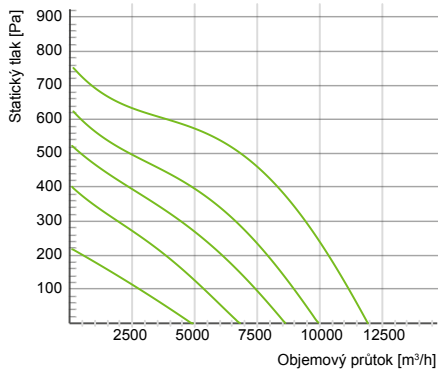


IRB800x500E3



3

IRB800x500L3



Typ	Napájení [V/Hz]	Hmotnost [kg]	Příkon [W]	Proud [A]*	IP/CL	Otáčky [ot./min]	Teplota [°C]**	Napojení [mm]	Max. průtok [m³/h]	Max. tlak [Pa]
IRB800x500B3	400/50	86,9	656	1,46	54/F	880	75	800x500	6876	409
IRB800x500D1	230/50	93,6	1490	7,9	54/F	1360	65	800x500	9356	587
IRB800x500E3	400/50	89,1	1190	2,68	54/F	1360	80	800x500	7632	712
IRB800x500L3	400/50	90,9	2370	4,64	54/F	1350	50	800x500	11934	754

* Proud, když je ventilátor regulován

** Maximální teplota dopravovaného vzduchu, když je ventilátor regulován

PŘÍSLUŠENSTVÍ REGULACE

Typ	Regulace				
IRB400x200B1	VRS 1.0	VRDE 1.5	VRTE C		
IRB500x250B1	VRS 1.0	VRDE 1.5	VRTE C		
IRB500x250E1	VRS 2.0	VRDE 1.5	VRTE C		
IRB600x300B1	VRS 2.0	VRDE 1.5	VRTE 1		
IRB600x300B3				VRTT 1	VRDT 2
IRB600x350B3				VRTT 1	VRDT 2
IRB600x350C1	VRS 2.0	VRDE 3	VRTE 3		
IRB600x350D1		VRDE 7	VRTE 5		
IRB600x350D3				VRTT 2	VRDT 2
IRB700x400B3				VRTT 2	VRDT 2
IRB700x400D1		VRDE 3	VRTE 3		
IRB700x400E3				VRTT 4	VRDT 4
IRB800x500B3				VRTT 2	VRDT 2
IRB800x500D1		VRDE 13	VRTE 13		
IRB800x500E3				VRTT 4	VRDT 4
IRB800x500L3				VRTT 7	VRDT 7

VRS – Tyristorový manuální regulátor otáček, minimální rychlost nastavena pomocí šroubu pod knoflíkem



VRDE – Manuální 5-stupňový transformátorový regulátor otáček pro AC motory s 0 polohou, přepínačem vysoké/nízké otáčky a polohami (1-2-3-4-5) pro 1f motory



VRTE – Manuální 5-stupňový transformátorový regulátor otáček pro AC motory s 0 polohou a polohami (1-2-3-4-5) pro 1f motory



VRDT – Manuální 5-stupňový transformátorový regulátor otáček pro AC motory s 0 polohou, přepínačem vysoké/nízké otáčky a polohami (1-2-3-4-5) pro 3f motory



VRTT – Manuální 5-stupňový transformátorový regulátor otáček pro AC motory s 0 polohou a polohami (1-2-3-4-5) pro 3f motory

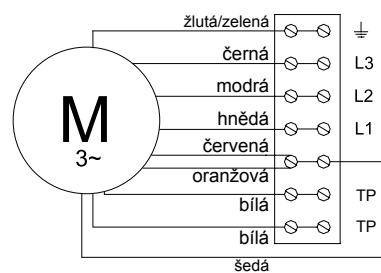
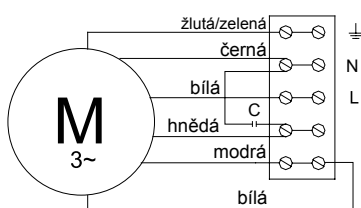
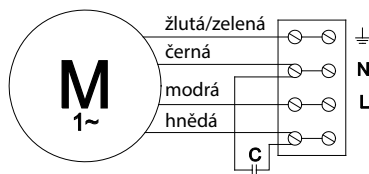


SCHÉMA ZAPOJENÍ

IRB400200B1, IRB500250B1, IRB500250E1

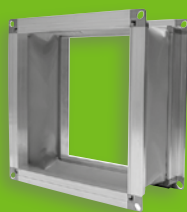
IRB600300B1, IRB600350C1, IRB600350D1,
IRB700400D1, IRB800500D1

IRB600300B3, IRB600350B3, IRB600350D3,
IRB700400B3, IRB700400E3, IRB800500B3,
IRB800500E3, IRB800500L3



* Uvedená schémata zapojení jsou pouze orientační, vždy má vyšší prioritu schéma zapojení uvedené na výrobku

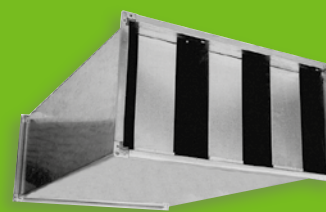
PŘÍSLUŠENSTVÍ



PSPH
Pružné spojení



PDZ-Z
Protidešťová žaluzie



TH
Tlumič hluku

PŘÍKLAD ZNAČENÍ

IRB400200B1

- 1 – 1f 230 V
- 3 – 3f 400 V
- B – Výkonová řada
- 400x200 – Rozměr připojovacího potrubí
- IRB – Hlukově izolovaný potrubní ventilátor