



TECH POWER
ELECTRONICS GROUP



Tech Power
Components



STORAGE CHOKES



INDUCTIVE POWER.

AGILE // PRAGMATIC // SINCERE

Driven by innovation, reliable and always focused on solutions – this is how the group-wide expertise within the TECH POWER ELECTRONICS GROUP can be summed up. The six companies SCHWA-MEDICO Transformatoren GmbH, SCHNEEFUSS + ROHDE GmbH, MANFRED SCHMELZER GmbH, MS BALTI Trafo OÜ, MCT Transformatoren GmbH and TECH POWER ELECTRONICS together form a strong alliance capable of shaping the worldwide market with their transformers and industrial products. We are a company with clear values, a commitment to quality, synchronous workflows, lean structures, and a strategy of long-term growth for the entire group.

STORAGE CHOKES

To meet customers' needs, TECH POWER ELECTRONICS offers a large range of storage chokes in various mounting configurations and frequency ranges.

Three frequency ranges:

- Standard: < 50 kHz – P/N starting by 26xxxx
- Medium: < 100 kHz: P/N starting by 77xxxx
- High: from 50 kHz to 300 kHz: P/N starting by 55xxxx

For example, core losses for 1 cm³ at 1,000 Gauss and at 100 KHz frequency:

Serie 55 = 350 mW

Serie 77 = 900 mW

Serie 26 = 4,000 mW

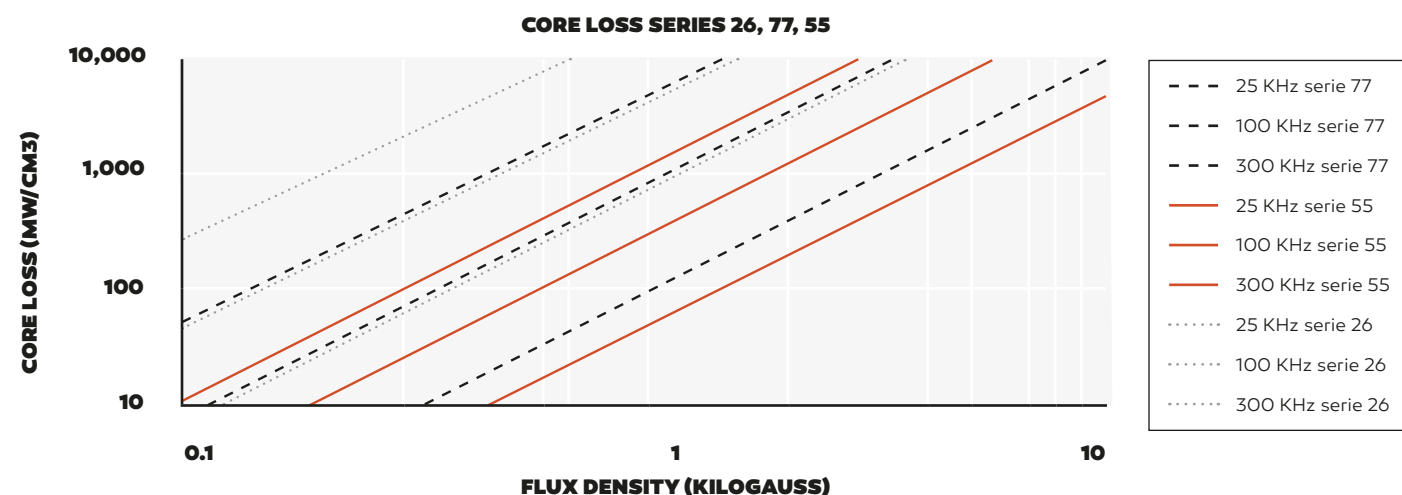
The choke size is determined by the admissible losses for each series.

The losses at several frequencies are mentioned on the choke datasheet.

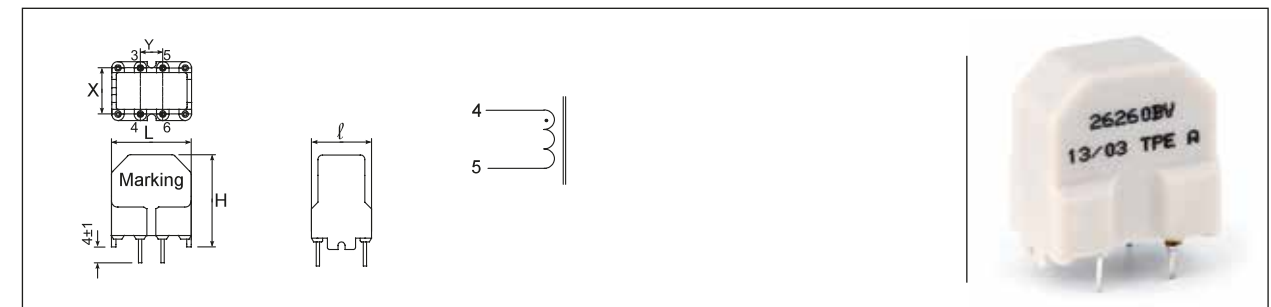
Mounting configurations:

- Bare coil with tinned outputs – P/N with “SNV”
- Vertical encapsulated – P/N with “BV”
- Horizontal encapsulated – P/N with “BH”
- Vertical on base – P/N with “EE”

Find below curve of core losses versus frequency for the 3 series 26, 77 & 55.



BV MOUNTING – CHARACTERISTICS



Up to 2.5 A

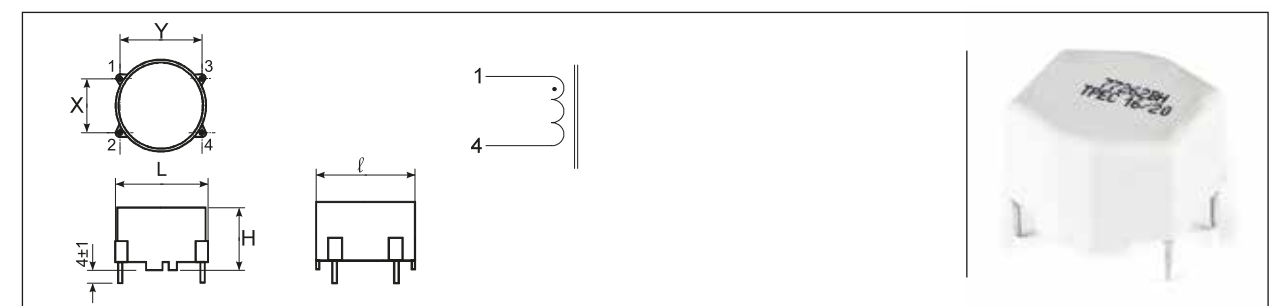
- Inductance: 4–5
- Blind pins: 3–6

From 4 A to 6.3 A

- Inductance: connected in //
inductance 3–4 & 5–6

Volume	L	ℓ	H	X	Y
2	19	9.0	16.0	5.0	15.0
3	18	13.0	20.0	10.0	5.0
4	23	15.5	25.0	12.5	10.0
5	27	18.0	30.0	15.0	12.5
6	32	20.5	35.0	17.5	12.5
7	35	23.0	37.0	20.0	15.0
9	43	28.0	47.5	25.0	25.0

BH MOUNTING – CHARACTERISTICS



Up to 2.5 A

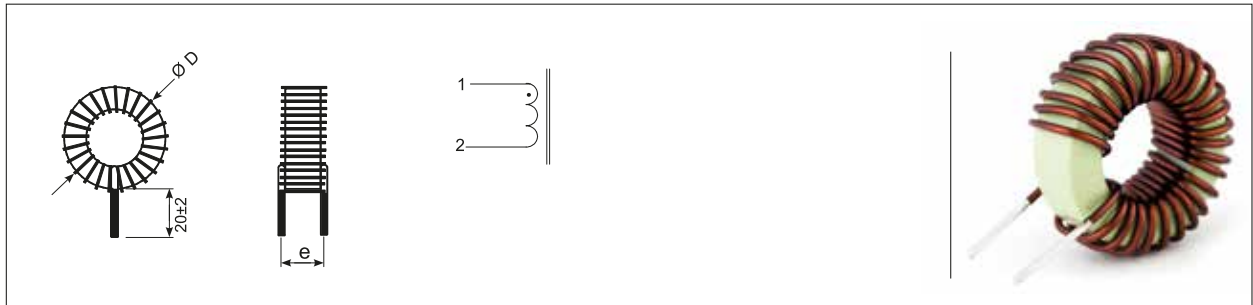
- Inductance: 1–4
- Blind pins: 2–3

From 4 A to 6.3 A

- Inductance: connected in //
inductance 1–3 & 2–4

Volume	L	ℓ	H	X	Y
3	17.5	17	12.5	10.0	15.0
4	22.5	22	15.0	12.5	20.0
5	27.5	27	17.5	15.0	25.0
6	32.5	32	20.0	20.0	30.0
7	42.0	42	28.5	25.0	35.0
9	42.0	42	28.5	25.0	35.0

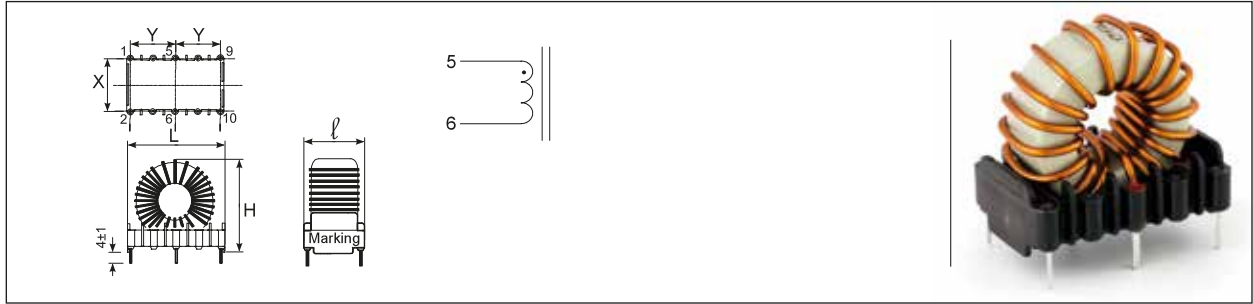
SNV MOUNTING - CHARACTERISTICS



– Inductance: 1–2

Volume	ø D max	e
2	13	5.0
3	16	7.5
4	21	10.0
5	25	12.5
6	30	12.5
7	35	20
9	43	17.5
10	49	20.0
12	54	22.5

EE MOUNTING - CHARACTERISTICS



– Inductance: 5–6

– Blind pins: 1–2–9–10

Volume	L	l	H	X	Y
3	24	16	25.0	12.5	10.0
4	24	16	30.0	12.5	10.0
5	28	18	32.5	15.0	12.5
6	34	24	35.0	20.0	15.0
7	36	24	38.0	20.0	15.0
9	44	26	46.0	22.5	20.0
10	55	30	52.0	22.5	22.5
12	55	30	52.0	22.5	22.5

MODELS FOR IDC: 0.3 A

Inductance Value (µH)	L (µH) ± 10 % at no-load	L (µH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	16.0	14.0	220	26102XX	2	X		X	
	17.0	15.0	160	77102XX		X		X	
	16.0	14.0	190	55102XX		X		X	
25	27.0	23.0	280	26152XX	2	X		X	
	26.0	23.0	280	77152XX		X		X	
40	43.0	35.0	350	26202XX	2	X		X	
	41.0	35.0	350	77202XX		X		X	
63	69.0	55.0	440	26252XX	2	X		X	
	67.0	57.0	320	77252XX		X		X	
	63.0	55.0	360	55252XX		X		X	
100	112.0	88.0	560	26302XX	2	X		X	
	106.0	91.0	400	77302XX		X		X	
	100.0	88.0	450	55302XX		X		X	
160	181.0	140.0	710	26352XX	2	X		X	
	172.0	140.0	580	77352XX		X		X	
	165.0	140.0	580	55352XX		X		X	
250	330.0	224.0	910	26402XX	2	X		X	
	270.0	220.0	740	77402XX		X		X	
	263.0	224.0	730	55402XX		X		X	
400	498.0	350.0	1,180	26452XX	2	X		X	
	445.0	350.0	800	77452XX		X		X	
	464.0	350.0	930	55452XX		X		X	
630	894.0	555.0	1,730	26502XX	3	X	X	X	X
	773.0	555.0	1,470	77502XX		X	X	X	X
	688.0	560.0	1,180	55502XX		X		X	



MODELS FOR IDC: 0.6 A

Inductance Value (μH)	L (μH) ± 10 % at no-load	L (μH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	18.0	14.5	100	26104XX	2	X		X	
	17.0	14.5	70	77104XX		X		X	
	17.0	15.0	85	55104XX		X		X	
25	27.0	22.0	120	26154XX	2	X		X	
	24.0	21.0	90	77154XX		X		X	
	24.0	21.0	100	55154XX		X		X	
40	45.0	35.0	160	26204XX	2	X		X	
	45.0	37.0	120	77204XX		X		X	
	41.0	35.0	130	55204XX		X		X	
63	75.0	55.0	200	26254XX	2	X		X	
	60.0	55.0	140	77254XX		X		X	
	64.0	55.0	160	55254XX		X		X	
100	124.0	88.0	260	26304XX	2	X		X	
	112.0	88.0	180	77304XX		X		X	
	106.0	88.0	205	55304XX		X		X	
160	205.0	140.0	380	26354XX	3	X	X	X	X
	176.0	140.0	320	77354XX		X	X	X	X
	172.0	140.0	265	55354XX		X		X	
250	350.0	220.0	500	26404XX	3	X	X	X	X
	290.0	222.0	420	77404XX		X	X	X	X
	274.0	222.0	410	55404XX		X	X	X	X
400	552.0	350.0	640	26454XX	4	X	X	X	X
	484.0	350.0	540	77454XX		X	X	X	X
	455.0	350.0	520	55454XX		X	X	X	X
630	845.0	555.0	840	26504XX	4	X	X	X	X
	806.0	555.0	700	77504XX		X	X	X	X
	794.0	555.0	700	55504XX		X	X	X	X



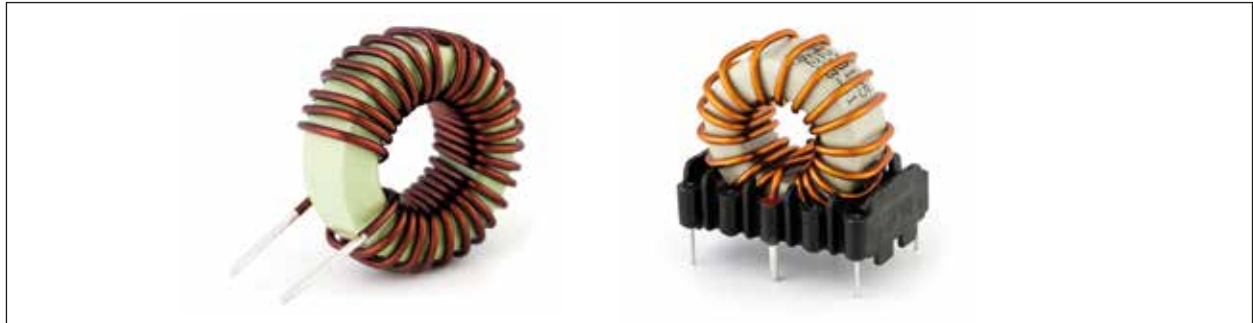
MODELS FOR IDC: 1 A

Inductance Value (μH)	L (μH) ± 10 % at no-load	L (μH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	18.0	13.5	55	26106XX	2	X		X	
	17.0	14.0	40	77106XX		X		X	
	17.0	14.5	45	55106XX		X		X	
25	27.0	22.0	80	26156XX	3	X	X	X	X
	26.0	22.0	50	77156XX		X	X	X	X
	26.0	22.0	60	55156XX		X		X	
40	50.0	35.0	100	26206XX	3	X	X	X	X
	45.0	35.0	65	77206XX		X		X	
	41.0	35.0	70	55206XX		X		X	
63	92.0	55.0	140	26256XX	3	X	X	X	X
	68.0	55.0	110	77256XX		X	X	X	X
	68.0	55.0	90	55656XX		X		X	
100	145.0	88.0	180	26306XX	3	X	X	X	X
	113.0	88.0	150	77306XX		X	X	X	X
	108.0	88.0	140	55306XX		X	X	X	X
160	250.0	118.0	320	26356XX	3	X	X	X	X
	196.0	140.0	190	77356XX		X	X	X	X
	188.0	140.0	190	55356XX		X	X	X	X
250	354.0	225.0	310	26406XX	4	X	X	X	X
	307.0	210.0	260	77406XX		X	X	X	X
	340.0	225.0	260	55406XX		X	X	X	X
400	604.0	350.0	400	26456XX	4	X	X	X	X
	495.0	350.0	340	77456XX		X	X	X	X
	472.0	350.0	330	55456XX		X	X	X	X
630	923.0	555.0	570	26506XX	5	X	X	X	X
	840.0	555.0	450	77506XX		X	X	X	X
	870.0	555.0	450	55506XX		X	X	X	X



MODELS FOR IDC: 1.6 A

Inductance Value (μH)	L (μH) ± 10 % at no-load	L (μH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	20.6	15.0	45	26108XX	3	X	X	X	X
	19.0	15.0	30	77108XX	2	X		X	
	17.0	14.0	30	55108XX		X		X	
25	32.0	22.0	55	26158XX	3	X	X	X	X
	27.0	22.0	45	77158XX		X	X	X	X
	26.0	22.0	40	55158XX	2	X		X	
40	49.0	35.0	70	26208XX	4	X	X	X	X
	46.0	35.0	60	77208XX		X	X	X	X
	44.0	35.0	60	55208XX	3	X	X	X	X
63	80.0	54.0	90	26258XX	4	X	X	X	X
	78.0	54.0	80	77258XX	3	X	X	X	X
	80.0	54.0	90	55258XX		X	X	X	X
100	139.0	89.0	120	26308XX	4	X	X	X	X
	115.0	86.0	100	77308XX		X	X	X	X
	134.0	89.0	100	55308XX	3	X	X	X	X
160	215.0	140.0	180	26358XX	5	X	X	X	X
	195.0	140.0	140	77358XX	4	X	X	X	X
	195.0	140.0	140	55358XX		X	X	X	X
250	368.0	220.0	230	26408XX	5	X	X	X	X
	333.0	220.0	310	77408XX	4	X	X	X	X
	354.0	225.0	310	55408XX		X	X	X	X
400	668.0	340.0	310	26458XX	5	X	X	X	X
	610.0	350.0	240	77458XX	4	X	X	X	X
	476.0	350.0	340	55458XX	5	X	X	X	X
630	968.0	560.0	430	26508XX	7	X	X	X	X
	980.0	555.0	335	77508XX		X	X	X	X
	870.0	555.0	460	55508XX	5	X	X	X	X



MODELS FOR IDC: 2.5 A

Inductance Value (μH)	L (μH) ± 10 % at no-load	L (μH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	23.0	14.0	30	26110XX	3	X	X	X	X
	19.0	14.0	20	77110XX	2	X		X	
	19.0	14.5	20	55110XX		X		X	
25	33.0	22.0	40	26160XX	4	X	X	X	X
	29.5	22.0	30	77160XX	3	X	X	X	X
	32.0	22.0	25	55160XX	2	X		X	
40	56.0	35.0	50	26210XX	4	X	X	X	X
	50.0	35.0	40	77210XX		X	X	X	X
	53.0	35.0	40	55210XX	3	X	X	X	X
63	98.0	55.0	65	26260XX		X	X	X	X
	78.0	55.0	55	77260XX	4	X	X	X	X
	74.0	55.0	55	55260XX		X	X	X	X
100	144.0	88.0	90	26310XX	5	X	X	X	X
	133.0	88.0	70	77310XX		X	X	X	X
	139.0	88.0	70	55310XX	4	X	X	X	X
160	264.0	140.0	120	26360XX		X	X	X	X
	213.0	140.0	100	77360XX	5	X	X	X	X
	190.0	140.0	135	55360XX		X	X	X	X
250	500.0	220.0	170	26410XX	5	X	X	X	X
	335.0	220.0	130	77410XX	6	X	X	X	X
	339.0	220.0	180	55410XX	5	X	X	X	X
400	643.0	350.0	230	26460XX	7	X	X	X	X
	605.0	350.0	170	77460XX		X	X	X	X
	530.0	350.0	230	55460XX	6	X	X	X	X
630	890.0	555.0	310	77510XX		X	X	X	X
	765.0	555.0	290	55510XX	7	X	X	X	X



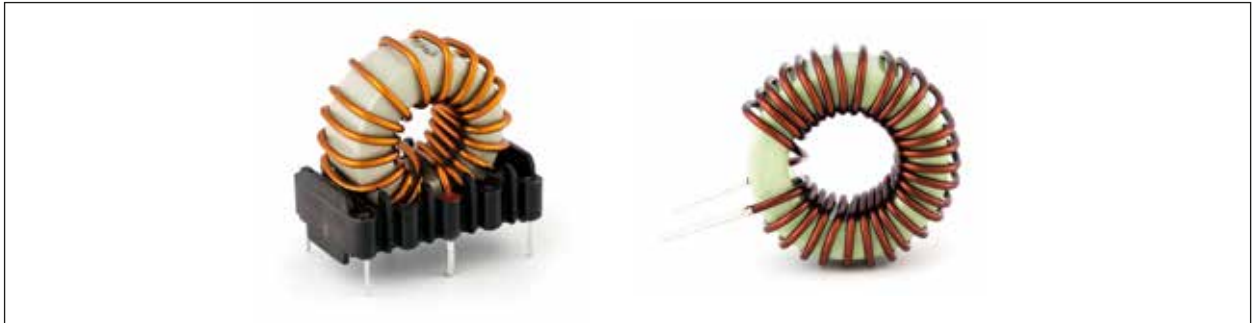
MODELS FOR IDC: 4 A

Inductance Value (μH)	L (μH) ± 10 % at no-load	L (μH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	23.0	14.0	15	26112XX	4	X	X	X	X
	20.0	14.0	15	77112XX	3	X	X	X	X
	22.4	14.0	15	55112XX		X	X	X	X
25	39.0	22.0	20	26162XX	4	X	X	X	X
	32.0	22.0	15	77162XX		X	X	X	X
	44.0	22.0	20	55162XX	3	X	X	X	X
40	66.0	35.0	30	26212XX	5	X	X	X	X
	52.0	35.0	20	77212XX	4	X	X	X	X
	57.0	35.0	25	55212XX		X	X	X	X
63	108.0	55.0	80	26262XX	5	X	X	X	X
	93.0	55.0	30	77262XX	4	X	X	X	X
	93.0	55.0	30	55262XX	5	X	X	X	X
100	182.0	87.0	70	26312XX		X	X	X	X
	157.0	89.0	40	77312XX	5	X	X	X	X
	139.0	89.0	60	55312XX		X	X	X	X
160	263.0	140.0	70	26362XX	7	X	X	X	X
	243.0	140.0	50	77362XX	6	X	X	X	X
	217.0	140.0	70	55362XX		X	X	X	X
250	477.0	220.0	100	26412XX		X	X	X	X
	393.0	242.0	80	77412XX	7	X	X	X	X
	307.0	220.0	90	55412XX		X	X	X	X
400	722.0	350.0	150	26462XX	10	X			X
	690.0	350.0	170	77462XX	7	X	X	X	X
	516.0	350.0	130	55462XX	9	X	X	X	X
630	1,156.0	555.0	200	26512XX	10	X			X
	893.0	555.0	200	77512XX		X			X
	968.0	555.0	180	55512XX	9	X	X	X	X



MODELS FOR IDC: 6.3 A

Inductance Value (μH)	L (μH) ± 10 % at no-load	L (μH) min at rated current	DCR (mΩ) max	TPE P/N	Volume	Type			
						SN	BH	BV	EE
16	25.5	14.0	15	26114XX	5	X	X	X	X
	20.8	14.0	10	77114XX	4	X	X	X	X
	23.3	14.0	10	55114XX		X	X	X	X
25	49.0	22.0	15	26164XX	5	X	X	X	X
	36.0	23.0	20	77164XX		X	X	X	X
	49.0	22.0	15	55164XX	4	X	X	X	X
40	76.0	35.0	22	26214XX	6	X			
	61.0	35.0	17	77214XX	5	X	X	X	X
	54.0	35.0	23	55214XX		X	X	X	X
63	96.0	55.0	30	26264XX	7	X			X
	92.0	55.0	20	77264XX	6	X			X
	83.0	55.0	30	55264XX		X			X
100	188.0	87.0	40	26314XX	7	X			X
	132.0	84.0	30	77314XX		X			X
	170.0	88.0	40	55314XX	6	X			X
160	310.0	140.0	60	26364XX	9	X			X
	227.0	140.0	40	77364XX		X			X
	227.0	140.0	50	55364XX	7	X			X
250	445.0	220.0	80	26414XX	10	X			X
	340.0	217.0	55	77414XX		X			X
	368.0	200.0	70	55414XX	7	X			X
400	650.0	325.0	90	26464XX	12	X			X
	645.0	350.0	70	77464XX	10	X			X
630	1,158.0	555.0	125	26514XX	12	X			X
	953.0	555.0	130	77514XX		X			X





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