

## Vitreous Resistors with Corrugated Ribbon



### FEATURES

- All welded construction
- High power rating up to 1000 Watt
- Corrugated ribbon construction aids rapid cooling
- Complete vitreous coating for perfect humidity protection
- Adjustable design available

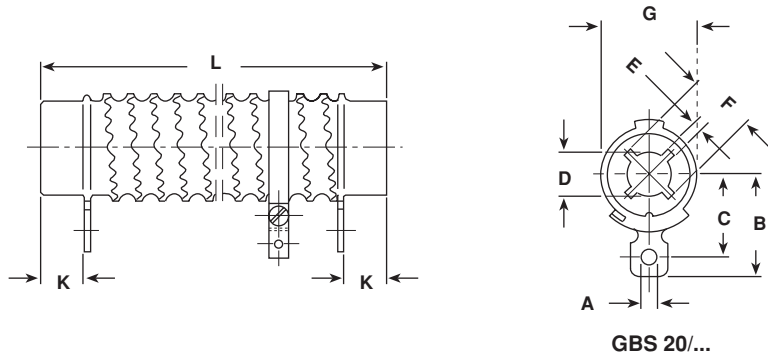
### STANDARD ELECTRICAL SPECIFICATIONS

MODEL	POWER RATING $P_{40^{\circ}\text{C}}$ W		RESISTANCE RANGE $\pm 10\%$ / $\pm 5\%$			WEIGHT  (Grams)
	WM50 WM110	WM10 <sup>1)</sup>	TC+650..+750ppm/K WM 10	TC-10..-80ppm/K WM 50	TC+100...+180ppm/K WM 110	
GBS 20/100 GBS 20/100 E	80 50	50	R13 - R51	R56 - 2R2	1R3 - 6R2	100
GBS 20/165 GBS 20/165 E	160 100	100	R27 - 1R0	1R1 - 4R7	2R4 - 12R	150
GBS 20/265 GBS 20/265 E	300 180	180	R47 - 1R8	2R0 - 7R5	4R3 - 22R	250
GBS 30/100 GBS 30/100 E	150 90	90	R10 - R43	R47 - 3R3	1R0 - 8R2	200
GBS 30/133 GBS 30/133 E	200 120	120	R15 - R62	R68 - 5R1	1R5 - 12R	250
GBS 30/165 GBS 30/165 E	250 150	150	R20 - R91	1R0 - 6R8	2R0 - 16R	300
GBS 30/215 GBS 30/215 E	300 200	200	R27 - 1R1	1R2 - 9R1	2R7 - 24R	400
GBS 30/265 GBS 30/265 E	375 250	250	R30 - 1R3	1R5 - 11R	3R9 - 27R	500
GBS 30/330 GBS 30/330 E	450 350	350	R39 - 1R8	2R0 - 15R	5R1 - 36R	600
GBS 45/370 GBS 45/370 E	750 550	550	R75 - 3R0	3R3 - 24R	8R2 - 56R	1000
GBS 60/370 GBS 60/370 E	1000 700	700	R91 - 3R9	4R3 - 33R	10R - 75R	1200

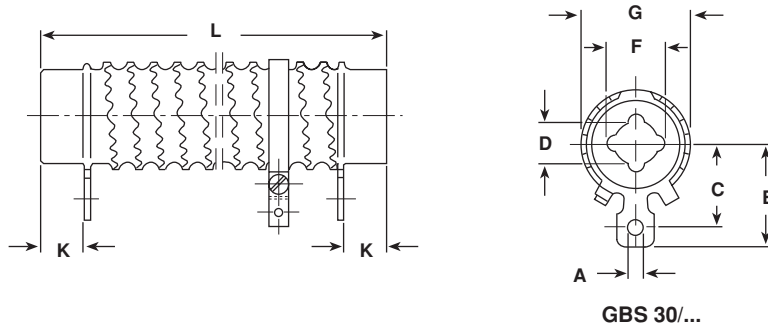
<sup>1)</sup> WM10 power range reduced

### ORDERING INFORMATION

<b>GBS</b>	<b>30/100</b>	<b>100R</b>	<b><math>\pm 5\%</math></b>	<b>WM50</b>
MODEL	SIZE	RESISTANCE VALUE $\Omega$	TOLERANCE $\pm \%$	MATERIAL OF THE RESISTANCE ELEMENT

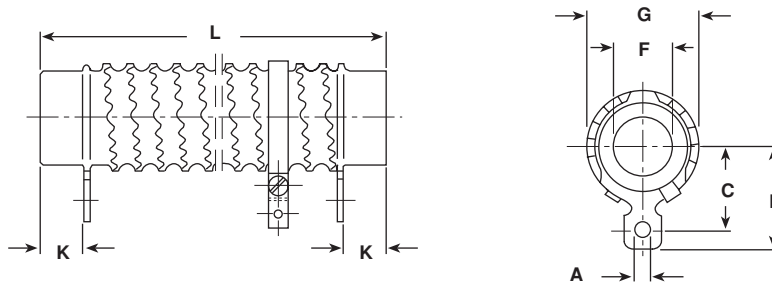
**DIMENSIONS**


MODEL	DIMENSIONS in millimeters [inches]								
	L	K	A	B	C	D	E	F	G
<b>GBS 20/100</b> <b>GBS 20/100 E</b>	100 ± 2.5 [3.937 ± 0.098]	15 [0.591]	4.2 [0.165]	26.5 [1.043]	22 [0.866]	10 [0.394]	1.5 [0.059]	14 [0.551]	24 [0.945]
<b>GBS 20/165</b> <b>GBS 20/165 E</b>	165 ± 4 [6.496 ± 0.157]	15 [0.591]	4.2 [0.165]	26.5 [1.043]	22 [0.866]	10 [0.394]	1.5 [0.059]	14 [0.551]	24 [0.945]
<b>GBS 20/265</b> <b>GBS 20/265 E</b>	265 ± 6.6 [10.433 ± 0.260]	15 [0.591]	4.2 [0.165]	26.5 [1.043]	22 [0.866]	10 [0.394]	1.5 [0.059]	14 [0.551]	24 [0.945]

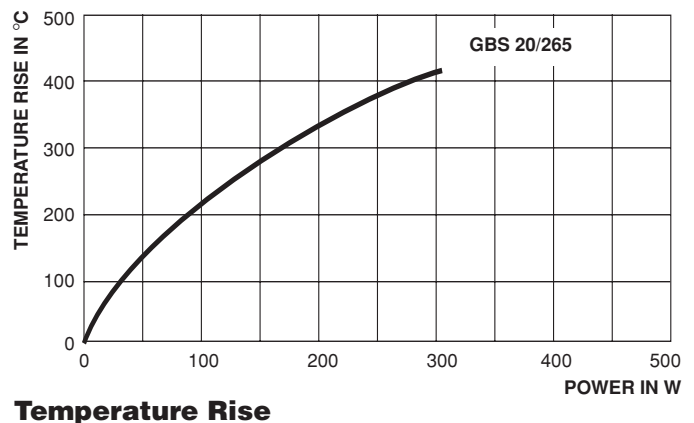
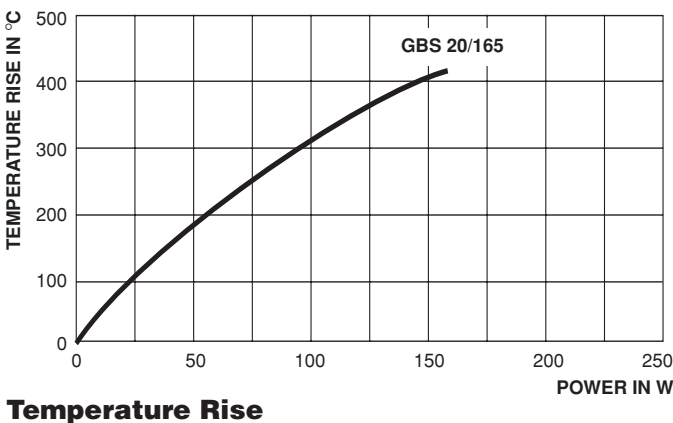
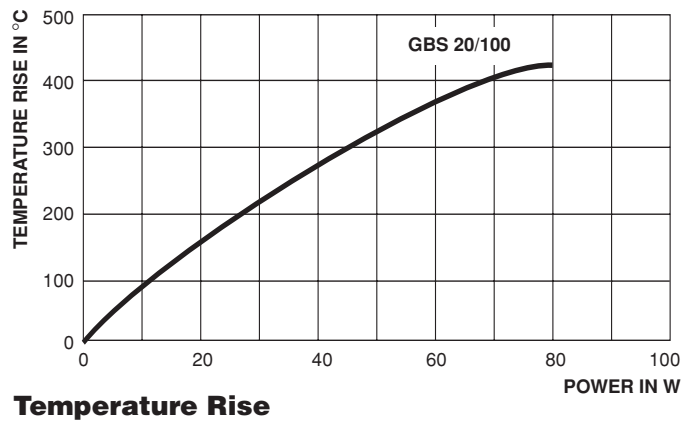
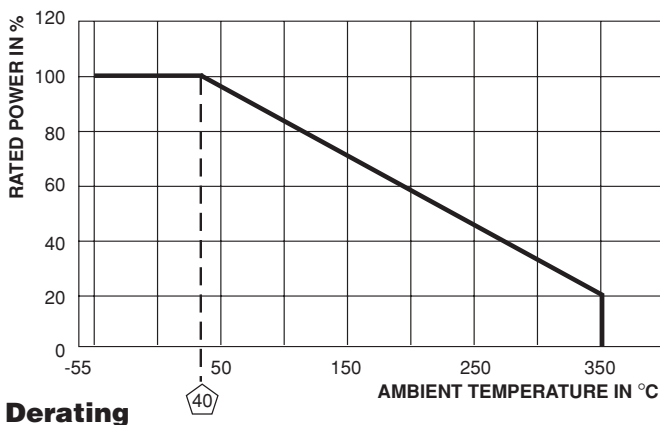


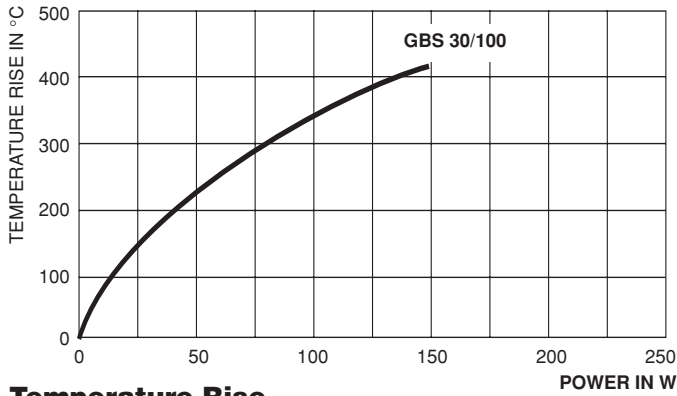
MODEL	DIMENSIONS in millimeters [inches]							
	L	K	A	B	C	D	F	G
<b>GBS 30/100</b> <b>GBS 30/100 E</b>	100 ± 2.5 [3.937 ± 0.098]	15 [0.591]	5.2 [0.205]	34 [1.339]	28 [1.102]	14 [0.551]	18.5 [0.728]	37 ± 1 [1.457 ± 0.039]
<b>GBS 30/133</b> <b>GBS 30/133 E</b>	133 ± 3.3 [5.236 ± 0.130]	15 [0.591]	5.2 [0.205]	34 [1.339]	28 [1.102]	14 [0.551]	18.5 [0.728]	37 ± 1 [1.457 ± 0.039]
<b>GBS 30/165</b> <b>GBS 30/165 E</b>	165 ± 4 [6.496 ± 0.157]	15 [0.591]	5.2 [0.205]	34 [1.339]	28 [1.102]	14 [0.551]	18.5 [0.728]	37 ± 1 [1.457 ± 0.039]
<b>GBS 30/215</b> <b>GBS 30/215 E</b>	215 ± 5.4 [8.465 ± 0.213]	15 [0.591]	5.2 [0.205]	34 [1.339]	28 [1.102]	14 [0.551]	18.5 [0.728]	37 ± 1 [1.457 ± 0.039]
<b>GBS 30/265</b> <b>GBS 30/265 E</b>	265 ± 6.6 [10.433 ± 0.260]	15 [0.591]	5.2 [0.205]	34 [1.339]	28 [1.102]	14 [0.551]	18.5 [0.728]	37 ± 1 [1.457 ± 0.039]
<b>GBS 30/330</b> <b>GBS 30/330 E</b>	330 ± 8 [12.992 ± 0.315]	15 [0.591]	5.2 [0.205]	34 [1.339]	28 [1.102]	14 [0.551]	18.5 [0.728]	37 ± 1 [1.457 ± 0.039]

**DIMENSIONS (CONTINUED)**

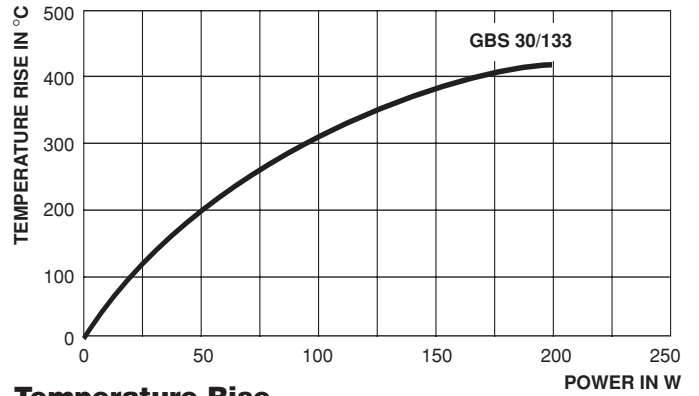


MODEL	DIMENSIONS in millimeters [inches]						
	L	K	A	B	C	F	G
GBS 45/370 GBS 45/370 E	370 ± 9 [14.567 ± 0.354]	15 [0.591]	5.2 [0.205]	42.5 [1.673]	37 [1.457]	30 [1.181]	52 ± 1 [2.047 ± 0.039]
GBS 60/370 GBS 60/370 E	370 ± 9 [14.567 ± 0.354]	15 [0.591]	5.2 [0.205]	51.5 [2.028]	45.5 [1.791]	45 [1.772]	67 ± 1 [2.638 ± 0.039]

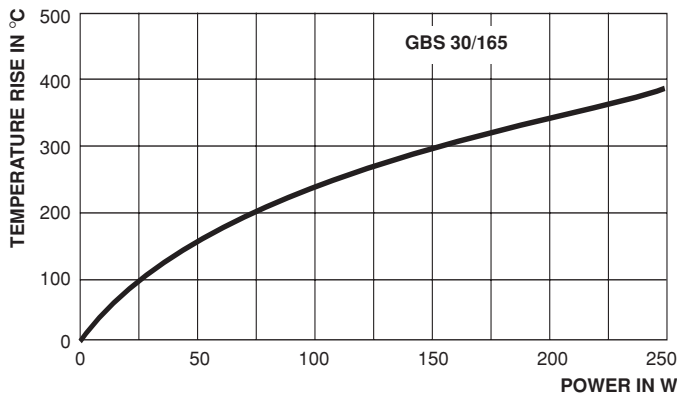




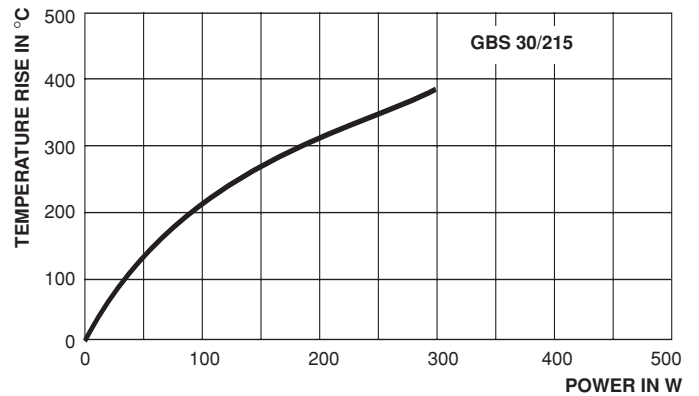
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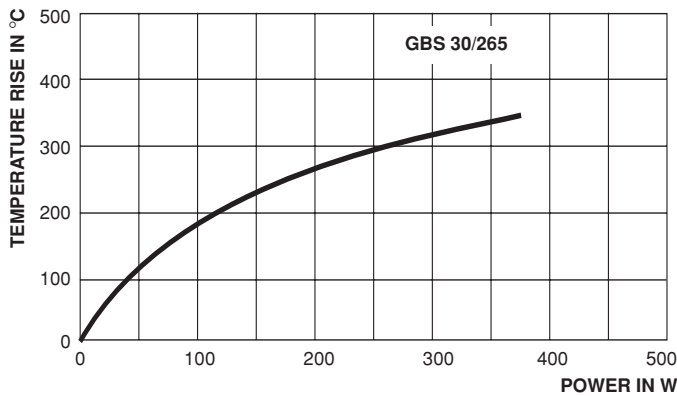
Temperature Rise



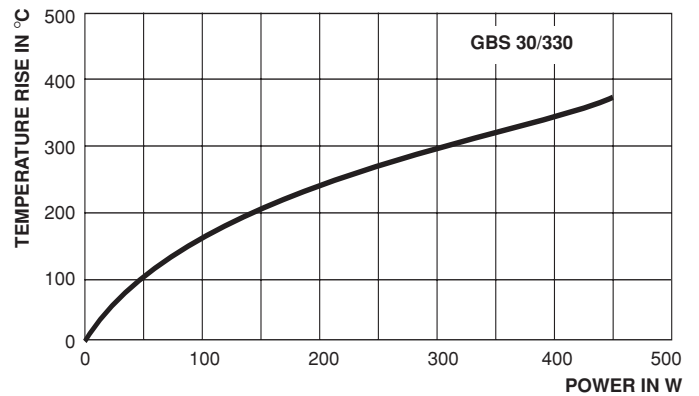
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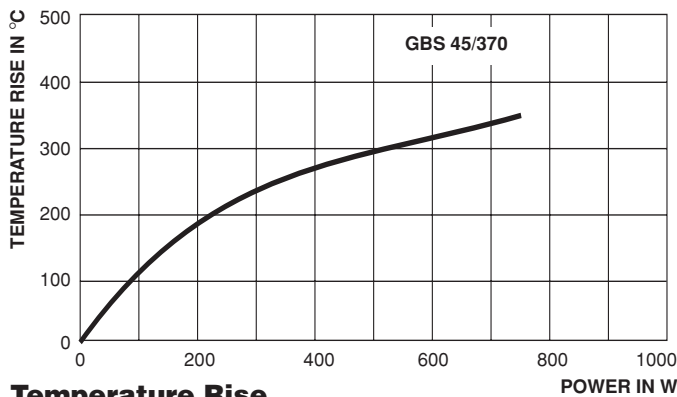
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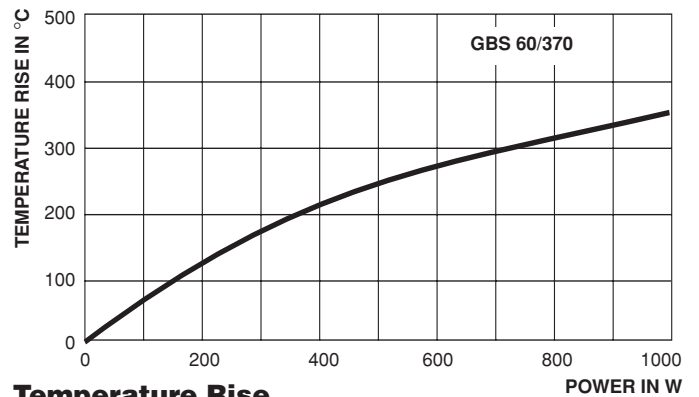
Temperature Rise



Temperature Rise



Temperature Rise



Temperature Rise