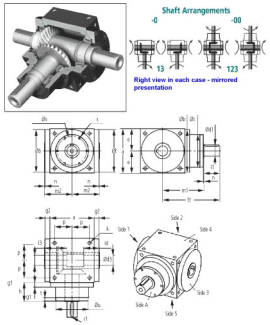
MBA

Gearboxes - Power - Series H



VP.H Series.

Casing: Spheroidal graphite iron.

This catalogue to be read in conjunction with information at http://www.minibearings.com.au/ogue/tech/gearboxes/vph_cat.pdf

http://www.minibearings.com.au/ogue/tech/gearboxes/vxl_tech.pdf

Gearboxes - Power - Series H

Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP75H2-13	2 : 1	13	75	73	72	16	14	37.50	120
			2.953	*2.874*	*2.835*	*0.630*	*0.551*	*1.476*	*4.724*
# VP90H2-13	2 : 1	13	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*
# VP110H2-13	2 : 1	13	110	108	106	22	22	55	155
			4.331	*4.252*	*4.173*	*0.866*	*0.866*	*2.165*	*6.102*
# VP140H2-13	2 : 1	13	140	135	104	32	32	70	180
			5.512	*5.315*	*4.094*	*1.260*	*1.260*	*2.756*	*7.087*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP170H2-13	2 : 1	13	170 *6.693*	165 *6.496*	128 *5.039*	40 *1.575*	40 *1.575*	85 *3.346*	215 *8.465*
# VP210H2-13	2 : 1	13	210 *8.268*	205 *8.071*	160 *6.299*	50 *1.969*	50 *1.969*	105 *4.134*	265 *10.433*
# VP240H2-13	2 : 1	13	240 *9.449*	235 *9.252*	180 *7.087*	55 *2.165*	55 *2.165*	120 *4.724*	300 *11.811*
# VP280H2-123	2 : 1	13	280 *11.024*	275 *10.827*	200 *7.874*	60 *2.362*	60 *2.362*	140 *5.512*	360 *14.173*
# VP280H2-13	2 : 1	13	280 *11.024*	275 *10.827*	200 *7.874*	60 *2.362*	60 *2.362*	140 *5.512*	360 *14.173*
# VP75H2-123	2 : 1	123	75 *2.953*	73 *2.874*	72 *2.835*	16 *0.630*	14 *0.551*	37.50 *1.476*	120 *4.724*
# VP90H2-123	2 : 1	123	90 *3.543*	88 *3.465*	86 *3.386*	18 *0.709*	18 *0.709*	45 *1.772*	135 *5.315*
# VP110H2-123	2 : 1	123	110 *4.331*	108 *4.252*	106 *4.173*	22 *0.866*	22 *0.866*	55 *2.165*	155 *6.102*
# VP140H2-123	2 : 1	123	140 *5.512*	135 *5.315*	104 *4.094*	32 *1.260*	32 *1.260*	70 *2.756*	180 *7.087*
# VP170H2-123	2 : 1	123	170 *6.693*	165 *6.496*	128 *5.039*	40 *1.575*	40 *1.575*	85 *3.346*	215 *8.465*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP210H2-123	2 : 1	123	210 *8.268*	205 *8.071*	160 *6.299*	50 *1.969*	50 *1.969*	105 *4.134*	265 *10.433*
# VP240H2-123	2 : 1	123	240 *9.449*	235 *9.252*	180 *7.087*	55 *2.165*	55 *2.165*	120 *4.724*	300 *11.811*
# VP75H3-13	3 : 1	13	75 *2.953*	73 *2.874*	72 *2.835*	16 *0.630*	14 *0.551*	37.50 *1.476*	120 *4.724*
# VP90H3-13	3 : 1	13	90 *3.543*	88 *3.465*	86 *3.386*	18 *0.709*	18 *0.709*	45 *1.772*	135 *5.315*
# VP110H3-13	3 : 1	13	110 *4.331*	108 *4.252*	106 *4.173*	22 *0.866*	22 *0.866*	55 *2.165*	155 *6.102*
# VP140H3-13	3 : 1	13	140 *5.512*	135 *5.315*	104 *4.094*	32 *1.260*	32 *1.260*	70 *2.756*	180 *7.087*
# VP170H3-13	3 : 1	13	170 *6.693*	165 *6.496*	128 *5.039*	40 *1.575*	40 *1.575*	85 *3.346*	215 *8.465*
# VP210H3-13	3 : 1	13	210 *8.268*	205 *8.071*	160 *6.299*	50 *1.969*	50 *1.969*	105 *4.134*	265 *10.433*
# VP240H3-13	3 : 1	13	240 *9.449*	235 *9.252*	180 *7.087*	55 *2.165*	55 *2.165*	120 *4.724*	300 *11.811*
# VP280H3-13	3 : 1	13	280 *11.024*	275 *10.827*	200 *7.874*	60 *2.362*	60 *2.362*	140 *5.512*	360 *14.173*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP280H3-123	3 : 1	13	280	275	200	60	60	140	360
			11.024	*10.827*	*7.874*	*2.362*	*2.362*	*5.512*	*14.173*
# VP75H3-123	3 : 1	123	75	73	72	16	14	37.50	120
			2.953	*2.874*	*2.835*	*0.630*	*0.551*	*1.476*	*4.724*
# VP90H3-123	3 : 1	123	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*
# VP110H3-123	3 : 1	123	110	108	106	22	22	55	155
			4.331	*4.252*	*4.173*	*0.866*	*0.866*	*2.165*	*6.102*
# VP140H3-123	3 : 1	123	140	135	104	32	32	70	180
			5.512	*5.315*	*4.094*	*1.260*	*1.260*	*2.756*	*7.087*
# VP170H3-123	3 : 1	123	170	165	128	40	40	85	215
			6.693	*6.496*	*5.039*	*1.575*	*1.575*	*3.346*	*8.465*
# VP210H3-123	3 : 1	123	210	205	160	50	50	105	265
			8.268	*8.071*	*6.299*	*1.969*	*1.969*	*4.134*	*10.433*
# VP240H3-123	3 : 1	123	240	235	180	55	55	120	300
			9.449	*9.252*	*7.087*	*2.165*	*2.165*	*4.724*	*11.811*
# VP75H4-13	4 : 1	13	75	73	72	16	14	37.50	120
			2.953	*2.874*	*2.835*	*0.630*	*0.551*	*1.476*	*4.724*
# VP90H4-13	4 : 1	13	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP110H4-13	4 : 1	13	110	108	106	22	22	55	155
			4.331	*4.252*	*4.173*	*0.866*	*0.866*	*2.165*	*6.102*
# VP140H4-13	4 : 1	13	140	135	104	32	32	70	180
			5.512	*5.315*	*4.094*	*1.260*	*1.260*	*2.756*	*7.087*
# VP170H4-13	4 : 1	13	170	165	128	40	40	85	215
			6.693	*6.496*	*5.039*	*1.575*	*1.575*	*3.346*	*8.465*
# VP210H4-13	4 : 1	13	210	205	160	50	50	105	265
			8.268	*8.071*	*6.299*	*1.969*	*1.969*	*4.134*	*10.433*
# VP240H4-13	4 : 1	13	240	235	180	55	55	120	300
			9.449	*9.252*	*7.087*	*2.165*	*2.165*	*4.724*	*11.811*
# VP280H4-13	4 : 1	13	280	275	200	60	60	140	360
			11.024	*10.827*	*7.874*	*2.362*	*2.362*	*5.512*	*14.173*
# VP280H4-123	4 : 1	13	280	275	200	60	60	140	360
			11.024	*10.827*	*7.874*	*2.362*	*2.362*	*5.512*	*14.173*
# VP75H4-123	4 : 1	123	75	73	72	16	14	37.50	120
			2.953	*2.874*	*2.835*	*0.630*	*0.551*	*1.476*	*4.724*
# VP90H4-123	4 : 1	123	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*
# VP110H4-123	4 : 1	123	110	108	106	22	22	55	155
			4.331	*4.252*	*4.173*	*0.866*	*0.866*	*2.165*	*6.102*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP140H4-123	4 : 1	123	140 *5.512*	135 *5.315*	104 *4.094*	32 *1.260*	32 *1.260*	70 *2.756*	180 *7.087*
# VP170H4-123	4 : 1	123	170 *6.693*	165 *6.496*	128 *5.039*	40 *1.575*	40 *1.575*	85 *3.346*	215 *8.465*
# VP210H4-123	4 : 1	123	210 *8.268*	205 *8.071*	160 *6.299*	50 *1.969*	50 *1.969*	105 *4.134*	265 *10.433*
# VP240H4-123	4 : 1	123	240 *9.449*	235 *9.252*	180 *7.087*	55 *2.165*	55 *2.165*	120 *4.724*	300 *11.811*
# VP75H5-13	5 : 1	13	75 *2.953*	73 *2.874*	72 *2.835*	16 *0.630*	14 *0.551*	37.50 *1.476*	120 *4.724*
# VP90H5-13	5 : 1	13	90 *3.543*	88 *3.465*	86 *3.386*	18 *0.709*	18 *0.709*	45 *1.772*	135 *5.315*
# VP110H5-13	5 : 1	13	110 *4.331*	108 *4.252*	106 *4.173*	22 *0.866*	22 *0.866*	55 *2.165*	155 *6.102*
# VP140H5-13	5 : 1	13	140 *5.512*	135 *5.315*	104 *4.094*	32 *1.260*	32 *1.260*	70 *2.756*	180 *7.087*
# VP170H5-13	5 : 1	13	170 *6.693*	165 *6.496*	128 *5.039*	40 *1.575*	40 *1.575*	85 *3.346*	215 *8.465*
# VP210H5-13	5 : 1	13	210 *8.268*	205 *8.071*	160 *6.299*	50 *1.969*	50 *1.969*	105 *4.134*	265 *10.433*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP240H5-13	5 : 1	13	240	235	180	55	55	120	300
			9.449	*9.252*	*7.087*	*2.165*	*2.165*	*4.724*	*11.811*
# VP280H5-13	5 : 1	13	280	275	200	60	60	140	360
			11.024	*10.827*	*7.874*	*2.362*	*2.362*	*5.512*	*14.173*
# VP280H5-123	5 : 1	13	280	275	200	60	60	140	360
			11.024	*10.827*	*7.874*	*2.362*	*2.362*	*5.512*	*14.173*
# VP90H5-23	5 : 1	23	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*
# VP75H5-123	5 : 1	123	75	73	72	16	14	37.50	120
			2.953	*2.874*	*2.835*	*0.630*	*0.551*	*1.476*	*4.724*
# VP90H5-123	5 : 1	123	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*
# VP110H5-123	5 : 1	123	110	108	106	22	22	55	155
			4.331	*4.252*	*4.173*	*0.866*	*0.866*	*2.165*	*6.102*
# VP140H5-123	5 : 1	123	140	135	104	32	32	70	180
			5.512	*5.315*	*4.094*	*1.260*	*1.260*	*2.756*	*7.087*
# VP170H5-123	5 : 1	123	170	165	128	40	40	85	215
			6.693	*6.496*	*5.039*	*1.575*	*1.575*	*3.346*	*8.465*
# VP210H5-123	5 : 1	123	210	205	160	50	50	105	265
			8.268	*8.071*	*6.299*	*1.969*	*1.969*	*4.134*	*10.433*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP240H5-123	5 : 1	123	240 *9.449*	235 *9.252*	180 *7.087*	55 *2.165*	55 *2.165*	120 *4.724*	300 *11.811*
# VP75H1-13	1 : 1	13	75 *2.953*	73 *2.874*	72 *2.835*	16 *0.630*	14 *0.551*	37.50 *1.476*	120 *4.724*
# VP90H1-13	1 : 1	13	90 *3.543*	88 *3.465*	86 *3.386*	18 *0.709*	18 *0.709*	45 *1.772*	135 *5.315*
# VP110H1-13	1 : 1	13	110 *4.331*	108 *4.252*	106 *4.173*	22 *0.866*	22 *0.866*	55 *2.165*	155 *6.102*
# VP140H1-13	1 : 1	13	140 *5.512*	135 *5.315*	104 *4.094*	32 *1.260*	32 *1.260*	70 *2.756*	180 *7.087*
# VP170H1-13	1 : 1	13	170 *6.693*	165 *6.496*	128 *5.039*	40 *1.575*	40 *1.575*	85 *3.346*	215 *8.465*
# VP210H1-13	1 : 1	13	210 *8.268*	205 *8.071*	160 *6.299*	50 *1.969*	50 *1.969*	105 *4.134*	265 *10.433*
# VP240H1-13	1 : 1	13	240 *9.449*	235 *9.252*	180 *7.087*	55 *2.165*	55 *2.165*	120 *4.724*	300 *11.811*
# VP280H1-123	1 : 1	13	280 *11.024*	275 *10.827*	200 *7.874*	60 *2.362*	60 *2.362*	140 *5.512*	360 *14.173*
# VP280H1-13	1 : 1	13	280 *11.024*	275 *10.827*	200 *7.874*	60 *2.362*	60 *2.362*	140 *5.512*	360 *14.173*

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Part Number	Ratio	Shaft Arrangement	a mm	Øb h7 mm	Øc mm	Ød1 k6 mm	Ød3 k6 mm	e mm	f1 mm
			inches	*inches*	*inches*	*inches*	*inches*	*inches*	*inches*
# VP75H1-123	1 : 1	123	75	73	72	16	14	37.50	120
			2.953	*2.874*	*2.835*	*0.630*	*0.551*	*1.476*	*4.724*
# VP90H1-123	1 : 1	123	90	88	86	18	18	45	135
			3.543	*3.465*	*3.386*	*0.709*	*0.709*	*1.772*	*5.315*
# VP110H1-123	1 : 1	123	110	108	106	22	22	55	155
			4.331	*4.252*	*4.173*	*0.866*	*0.866*	*2.165*	*6.102*
# VP140H1-123	1 : 1	123	140	135	104	32	32	70	180
			5.512	*5.315*	*4.094*	*1.260*	*1.260*	*2.756*	*7.087*
# VP170H1-123	1 : 1	123	170	165	128	40	40	85	215
			6.693	*6.496*	*5.039*	*1.575*	*1.575*	*3.346*	*8.465*
# VP210H1-123	1 : 1	123	210	205	160	50	50	105	265
			8.268	*8.071*	*6.299*	*1.969*	*1.969*	*4.134*	*10.433*
# VP240H1-123	1 : 1	123	240	235	180	55	55	120	300
			9.449	*9.252*	*7.087*	*2.165*	*2.165*	*4.724*	*11.811*

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