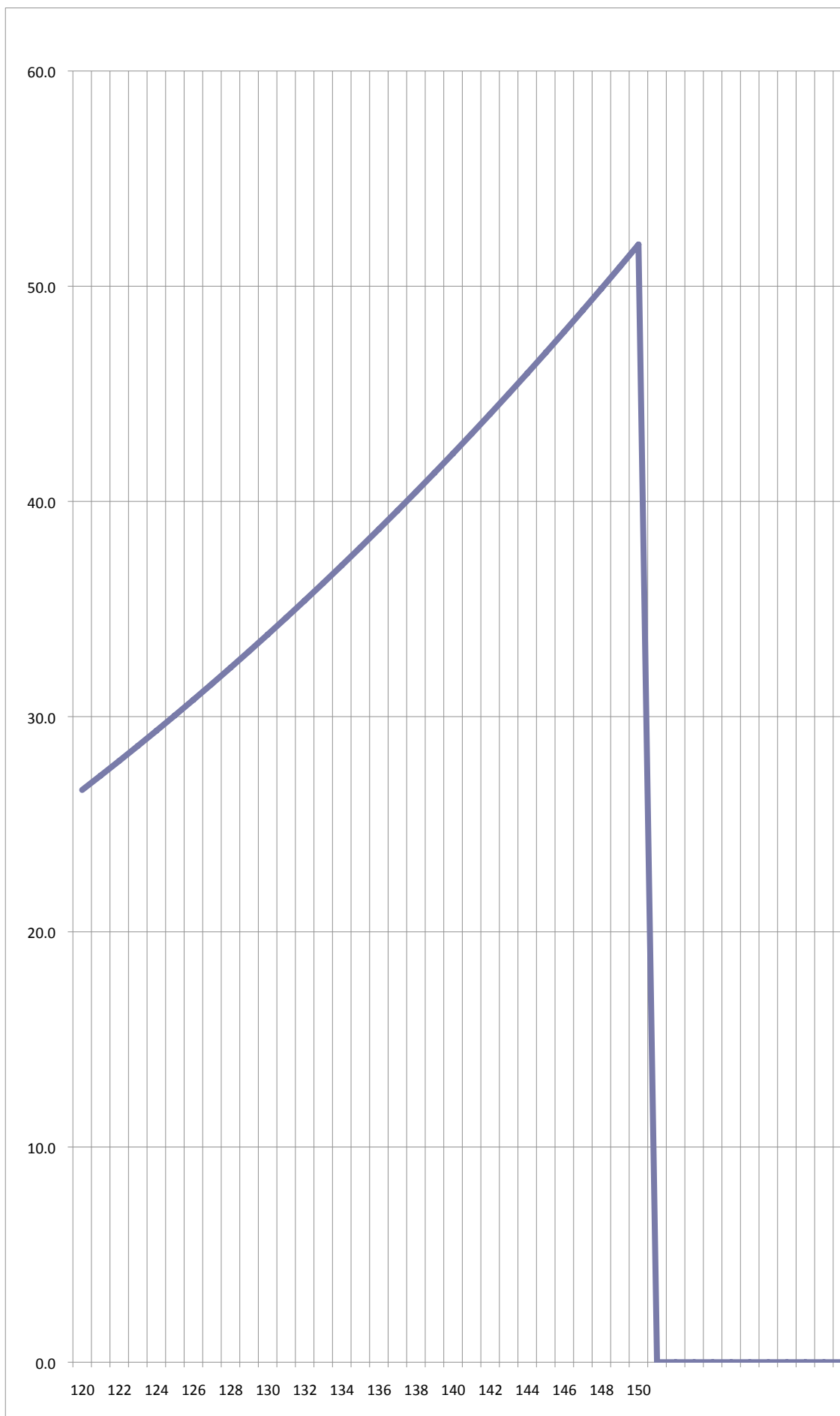


horsepower to speed requirements

current speed	horsepower	new speed	multiplier	required hp	increase
143	45	100	0.342	15.4	-29.6
143	45	101	0.352	15.9	-29.1
143	45	102	0.363	16.3	-28.7
143	45	103	0.374	16.8	-28.2
143	45	104	0.385	17.3	-27.7
143	45	105	0.396	17.8	-27.2
143	45	106	0.407	18.3	-26.7
143	45	107	0.419	18.9	-26.1
143	45	108	0.431	19.4	-25.6
143	45	109	0.443	19.9	-25.1
143	45	110	0.455	20.5	-24.5
143	45	111	0.468	21.0	-24.0
143	45	112	0.480	21.6	-23.4
143	45	113	0.493	22.2	-22.8
143	45	114	0.507	22.8	-22.2
143	45	115	0.520	23.4	-21.6
143	45	116	0.534	24.0	-21.0
143	45	117	0.548	24.6	-20.4
143	45	118	0.562	25.3	-19.7
143	45	119	0.576	25.9	-19.1
143	45	120	0.591	26.6	-18.4
143	45	121	0.606	27.3	-17.7
143	45	122	0.621	27.9	-17.1
143	45	123	0.636	28.6	-16.4
143	45	124	0.652	29.3	-15.7
143	45	125	0.668	30.1	-14.9
143	45	126	0.684	30.8	-14.2
143	45	127	0.700	31.5	-13.5
143	45	128	0.717	32.3	-12.7
143	45	129	0.734	33.0	-12.0
143	45	130	0.751	33.8	-11.2
143	45	131	0.769	34.6	-10.4
143	45	132	0.787	35.4	-9.6
143	45	133	0.805	36.2	-8.8
143	45	134	0.823	37.0	-8.0
143	45	135	0.841	37.9	-7.1
143	45	136	0.860	38.7	-6.3
143	45	137	0.879	39.6	-5.4
143	45	138	0.899	40.4	-4.6
143	45	139	0.918	41.3	-3.7
143	45	140	0.938	42.2	-2.8
143	45	141	0.959	43.1	-1.9
143	45	142	0.979	44.1	-0.9
143	45	143	1.000	45.0	0.0
143	45	144	1.021	46.0	1.0
143	45	145	1.043	46.9	1.9
143	45	146	1.064	47.9	2.9
143	45	147	1.086	48.9	3.9
143	45	148	1.109	49.9	4.9
143	45	149	1.131	50.9	5.9
143	45	150	1.154	51.9	6.9





[illegible]