

Product note

Low voltage generators for diesel and gas engines

Performance data

Power range

14 – 1450 kVA @ 400 V / 50 Hz / 1500 rpm

17 – 1750 kVA @ 480 V / 60 Hz / 1800 rpm

Insulation class H / Temperature rise class H

Ratings according to temperature rise class F and standby peak ratings are available.

Rated supply voltages

50 Hz: 380 – 440 V (Y), 220 – 254 (Δ)

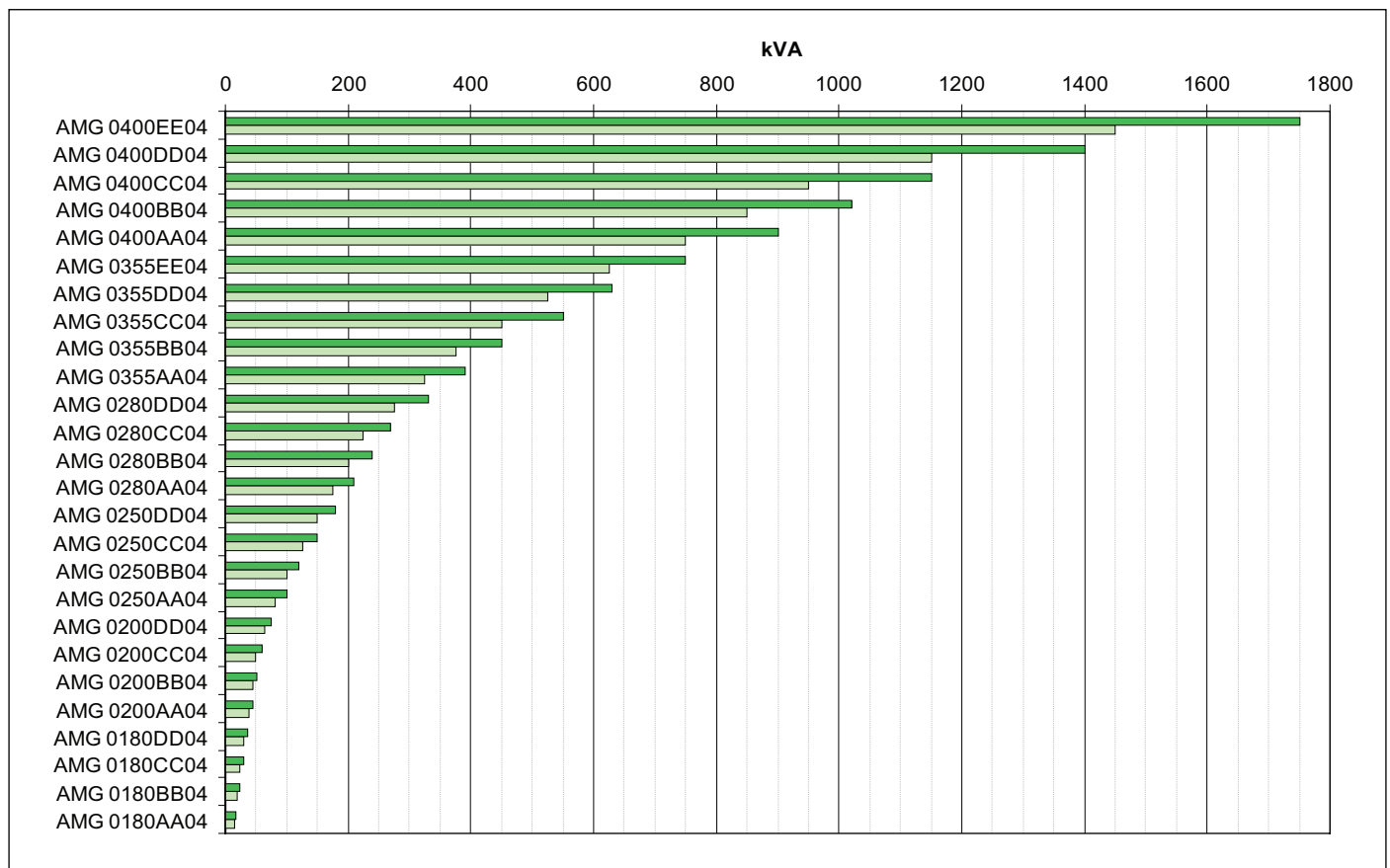
60 Hz: 415 – 480 V (Y), 240 – 277 (Δ)

For frame sizes 180-355 YY and ΔΔ (12 leads) and single phase operation with single phase rating are available.



480 V / 60 Hz / 1800 rpm: 17 - 1750 kVA

400 V / 50 Hz / 1500 rpm: 14 - 1450 kVA



Performance data

LV generators AMG 0180 - 0400

Type	H-class (125 K), ambient 40°C								50 Hz, 400 V, H-class				Rotor inertia kgm ²	Total weight kg	
	50 Hz				60 Hz				Efficiency	Reactances (Saturated)					
	380 V	400 V	415 V	440 V	415 V	440 V	460 V	480 V		Xd	Xd'	Xd''			Xq''
	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA		p.u.	p.u.	p.u.			p.u.
AMG 0180AA04	13	14	14	13	15	16	16	17	80,69	1,553	0,147	0,132	0,149	0,12	120
AMG 0180BB04	18	19	19	18	20	21	22	23	81,76	1,903	0,162	0,145	0,166	0,127	127
AMG 0180CC04	23	24	24	23	26	27	28	29	83,57	1,943	0,153	0,136	0,159	0,144	144
AMG 0180DD04	29	30	30	29	32	34	35	36	85,55	1,872	0,135	0,119	0,141	0,16	161
AMG 0200AA04	35	38	38	35	40	41	43	44	84,42	2,303	0,154	0,125	0,168	0,49	204
AMG 0200BB04	41	44	44	41	45	48	50	52	85,57	2,272	0,132	0,116	0,159	0,53	222
AMG 0200CC04	48	50	50	48	52	55	58	60	86,74	2,131	0,117	0,102	0,143	0,57	240
AMG 0200DD04	59	63	63	59	66	70	72	75	88,20	2,161	0,108	0,094	0,136	0,60	288
AMG 0250AA04	78	82	82	78	85	90	95	100	88,87	1,915	0,114	0,097	0,132	1,24	415
AMG 0250BB04	95	100	100	95	105	110	115	120	89,81	1,909	0,104	0,088	0,124	1,32	452
AMG 0250CC04	120	125	125	120	135	140	145	150	90,80	1,888	0,093	0,078	0,115	1,48	516
AMG 0250DD04	145	150	150	145	155	165	175	180	92,08	1,627	0,072	0,059	0,092	1,70	610
AMG 0280AA04	165	175	175	160	180	190	200	210	91,93	2,044	0,164	0,149	0,151	3,38	610
AMG 0280BB04	190	200	200	180	210	220	230	240	92,17	2,320	0,177	0,160	0,163	3,47	658
AMG 0280CC04	215	225	225	200	230	250	260	270	93,04	1,994	0,147	0,132	0,136	3,68	728
AMG 0280DD04	260	275	275	250	285	300	315	330	93,52	1,976	0,136	0,122	0,126	4,12	813
AMG 0355AA04	310	325	325	300	340	360	375	390	92,85	2,426	0,182	0,140	0,174	8,10	1134
AMG 0355BB04	355	375	375	345	390	410	430	450	93,28	2,338	0,163	0,123	0,157	8,80	1244
AMG 0355CC04	425	450	450	400	475	500	525	550	93,33	2,132	0,166	0,128	0,160	9,60	1358
AMG 0355DD04	500	525	525	475	550	580	605	630	94,34	2,082	0,131	0,095	0,129	10,40	1467
AMG 0355EE04	595	625	625	575	650	690	725	750	94,67	2,148	0,127	0,090	0,126	11,60	1624
AMG 0400AA04	715	750	750	675	780	825	860	900	94,10	3,057	0,233	0,177	0,196	17,10	1980
AMG 0400BB04	810	850	850	775	880	940	980	1020	94,54	2,989	0,217	0,162	0,182	17,90	2097
AMG 0400CC04	900	950	950	850	1000	1050	1100	1150	95,05	2,864	0,193	0,140	0,162	19,60	2285
AMG 0400DD04	1100	1150	1150	1050	1200	1265	1325	1400	95,19	2,866	0,186	0,133	0,157	21,60	2494
AMG 0400EE04	1400	1450	1450	1300	1505	1595	1675	1750	95,45	2,871	0,175	0,120	0,147	25,50	2875

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