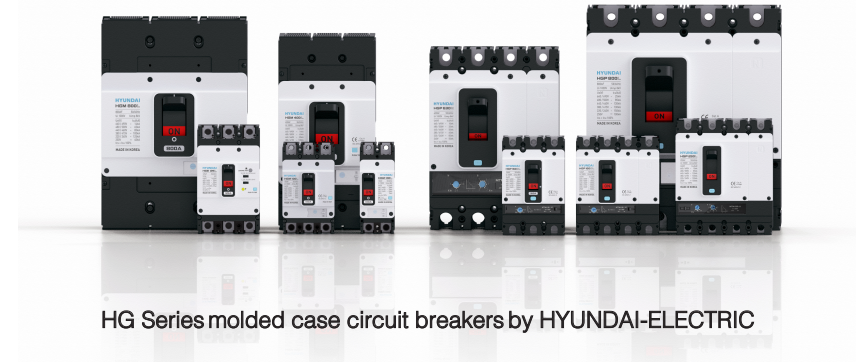
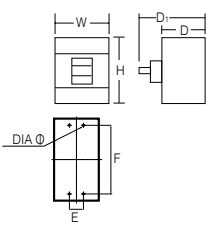


Side-by-side comparison of GE Spectra to HYUNDAI HG Series

Comparing HYUNDAI and GE Industrial molded case circuit breakers
Comprehensive replacement alternative.



HG Series molded case circuit breakers by HYUNDAI-ELECTRIC

Hyundai HG Series vs GE Spectra performance range		Spectra SE	HGP250	Spectra SF	HGP400, 630	Spectra SG	HGM800	Spectra SK	HGP800	HGM1250
Frame size (A)		150	250	250	400, 630	600	800	1200	800	1250
Poles		3	3	3	3	3	3	3	3	3
Interrupt rating (kA)	240 V AC	18, 65, 100, 200	65, 100, 130, 200	65, 100, 200	65, 100, 130, 200	65, 100, 200	75, 100, 125	65, 100, 200	200	100
	480 V AC	18, 25, 65, 100	25, 50, 65, 100	35, 65, 100	25, 50, 70, 100	35, 65, 100	45, 50, 65	50, 65, 100	35, 50, 65	35
	H	160	165	257	260	256	280	394	320	370
	W	105	105	105	140	140	210	210	210	210
	D	86	86.5	97	110	97	110	140	135	124
	D ₁	104.1	104.1	121.7	160	139.7	198	180.1	198	181
	E	35.1	35	35.1	46.5	46	70	69.8	70	70
	F	124	144	196.8	200	196.8	243	362	278	338
	DIA Ø	5.69	4.5	5.89	5.5	6.35	6.5	9.9	6.5	6
	(mm)									

HYUNDAI HG Series - Standard Features and Accessories

All frames are available as molded case circuit breakers, motor circuit protectors and molded case switches.

All frames accept the following common accessories and modifications:

- | | |
|--|---|
| o Shunt Trip | o Mechanical Interlocks |
| o Undervoltage Trip | o Handle Padlock Attachment |
| o Auxiliary Switches | o Plug-in Base and DIN Rail MountBase (Size 100AF only) |
| o Bell Alarm Switch | o Standard Lugs |
| o Motor Operator | o Optional Lugs |
| o Handle Operators (direct & extended) | o Hand Held Terminal |

Notes:

- HYUNDAI HG Series circuit breakers are suitable for use on DC Circuits.
- Service Breaking Capacity [$I_{cs} = \% I_{cu}$]: 100
 - I_{cu} : Rated Ultimate Short-Circuit Breaking Capacity (o-co)
 - I_{cs} : Rated Service Short-Circuit Breaking Capacity (o-co-co)





Table 31.1
Wire and Cable Size by Ampere Rating

GE Spectra					Hyundai HG Series						
Circuit Breaker Ampere Rating	Copper Conductor		Aluminum or Copper clad Aluminum Conductor		Hyundai Breaker		Hyundai LUG	Applicable Cable			
	Paralleled	Size	Paralleled	Size	Amps Size	W x H x D (mm)	Material	Material	S (mm2)	AWG	Paralleled
15 or less	—	14 AWG	—	12 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
20	—	12 AWG	—	10 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
25	—	10 AWG	—	10 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
30	—	10 AWG	—	8 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
35	—	8 AWG	—	8 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
40	—	8 AWG	—	8 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
45	—	8AWG	—	6 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
50	—	8 AWG	—	6 AWG	100	75 x 130 x 68	AL	Cu/Al	2.5 - 16	14 - 6	—
60	—	6 AWG	—	4 AWG	100	75 x 130 x 68	AL	Cu/Al	16 - 50	6 - 1	—
70	—	4 AWG	—	3 AWG	100	75 x 130 x 68	AL	Cu/Al	16 - 50	6 - 1	—
80	—	4 AWG	—	2 AWG	100	75 x 130 x 68	AL	Cu/Al	16 - 50	6 - 1	—
90	—	3 AWG	—	2 AWG②	100	75 x 130 x 68	AL	Cu/Al	16 - 50	6 - 1	—
100	—	3 AWG	—	1 AWG②	100	75 x 130 x 68	AL	Cu/Al	16 - 50	6 - 1	—
110	—	2 AWG	—	1/0 AWG	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
125	—	1 AWG①	—	2/0 AWG	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
150	—	1/0 AWG	—	3/0 AWG	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
175	—	2/0 AWG	—	40 AWG	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
200	—	3/0 AWG	—	250 kcmil	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
225	—	4/0 AWG	—	300 kcmil	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
250	—	250 kcmil	—	350 kcmil	250	105 x 165 x 68	AL	Cu/Al	50 - 180	1 - 300MCM	—
275	—	300 kcmil	—	500 kcmil	400	140 x 275 x 110	AL	Cu/Al	60 - 240	1/0 - 500MCM	—
300	—	350 kcmil	—	500 kcmil	400	140 x 275 x 110	AL	Cu/Al	60 - 240	1/0 - 500MCM	—
325	—	400 kcmil	2	4/0 AWG	400	140 x 275 x 110	AL	Cu/Al	60 - 240	1/0 - 500MCM	—
350	—	500 kcmil	2	4/0 AWG	400	140 x 275 x 110	AL	Cu/Al	60 - 240	1/0 - 500MCM	—
400	2	3/0 AWG	2	250 kcmil	400	140 x 275 x 110	AL	Cu/Al	60 - 240	1/0 - 500MCM	2
450	2	4/0 AWG	2	300 kcmil	630	210 x 280 x 110	AL	Cu/Al	60 - 185	1/0 - 350MCM	3
500	2	250 kcmil	2	350 kcmil	630	210 x 280 x 110	AL	Cu/Al	60 - 185	1/0 - 350MCM	3
550	2	300 kcmil	2	500 kcmil	630	210 x 280 x 110	AL	Cu/Al	60 - 185	1/0 - 350MCM	3
600	2	350 kcmil	2	500 kcmil	630	210 x 280 x 110	AL	Cu/Al	60 - 185	1/0 - 350MCM	3
700	2	500 kcmil	3	350 kcmil	800	210 x 280 x 110	AL	Cu/Al	60 - 185	1/0 - 350MCM	3
800	3	300 kcmil	3	400 kcmil	800	210 x 280 x 110	AL	Cu/Al	60 - 185	1/0 - 350MCM	3

① Number 1 Type RH, RHW, RUH, THW, THWN, or XHHW
copper conductor may be used if the circuit breaker is so marked.

② Number 1 RH, RHH, RHW, THW, THWN, or XHHW
aluminum conductor may be used if the circuit breaker is so marked.