

Briggs & Stratton Racing Class Structure							
Class	Age	Weight (Pounds)	Engine Package	Technical Configuration			
Cadet .350 Restrictor			Junior 206 with carb lock	RLV pipe (#5507) Slide (#555728) 4,100 RPM Rev Limiter			
Novice .450 Restrictor	Per sanctioning body/ club regulations	206 with carb lock	RLV pipe (#5506 or 5507) 'Purple' slide (#555735)				
Junior 1 LEGACY Club440		206 with carb lock	RLV pipe (#5506 or 5507) 'Red' Slide (#555733)				
Junior 1 CLUB490		206 with carb lock	RLV pipe (#5506 or 5507) 'Green' Slide (#555740)				
Junior 2 LEGACY .520		206 with carb lock	RLV pipe (#5506 or 5507) 'Blue' Slide (555734)				
ASN Nat. Junior570		206 with carb lock	RLV pipe (#5506 or 5507) 'Yellow' Slide (#555741)				
Briggs & Stratton 206 Senior		206	RLV pipe (#5506 or 5507) Stock Slide (#555590)				
Masters			206	RLV pipe (#5506 or 5507) Stock Slide (#555590)			

Class

.350 Cadet .450 Novice Junior 1

Briggs & Stratton 206 Junior

Slide Height Openings

.310 Opening .342 Opening .440 Opening .520 Opening

Racer Measurement Tool

7.8 mm drill blank (.307) 'R' drill blank (.339) 7/16th drill blank (.437) 33/64th drill blank (.516)

	PURPLE SLIDE .342 Opening						
	Engine Speed (rpm)	Torque	Corr. HP (hp)				
	2500	7.25	3.45	Purple Slide			
	3000	6.84	3.91	10.00			
100	3500	5.99	3.99	5.00			
	4000	5.09	3.87	0.00			
	4500	4.20	3.60	1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500			
	5000	3.50	3.33				

BLUE SLIDE .520 Opening						
Engine Speed (rpm)	Corr. Torque (ft-Ibs)	Corr. HP (hp)				
2500	9.06	4.31	Blue Slide			
3000	9.39	5.36	10.00			
3500 8.94 5.96						
4000	8.19	6.24	5.00			
4500	7.38	6.32	0.00 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500			
5000	6.62	6.31				
5500	5.37	5.62				
6000	4.96	5.67				

	RED SLIDE .440 Opening						
	Engine Speed (rpm)	Torque	Corr. HP (hp)				
	2500	8.77	4.17	Red Slide			
	3000	8.62	4.93	10.00			
	3500	7.88	5.25				
	4000	6.98	5.32	5.00			
	4500	6.10	5.23	0.00 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500			
227	5000	5.22	4.97				
	5500	4.54	4.75				
	6000	3.63	4.14				

	Engine Speed (rpm)	Corr. Torque (ft-Ibs)	Corr. HP (hp)	
	2500	7.80	4.50	
	3000	8.60	5.40	Yellow Slide
	3500	8.60	5.75	
	4000	8.10	6.05	5.00
	4500	7.70	6.60	0.00
	5000	7.20	6.75	1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500
4	5500	6.40	6.75	
	6000	5.70	6.60	

GREEN SLIDE .490 Opening						
	Engine Speed (rpm)	Corr. Torque (ft-Ibs)	Corr. HP (hp)			
	2500	7.50	4.10			
35 40 45 50	3000	7.75	5.00	Green Slide		
	3500	7.90	5.28	10.00		
	4000	7.30	5.50	5.00		
	4500	6.80	5.80	0.00		
	5000	6.30	5.90	1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500		
	5500	5.40	5.85			
	6000	4.70	5.55			

STOCK, UNRESTRICED 206						
	Engine Speed (rpm)	Corr. Torque (ft-lbs)	Corr. HP (hp)			
	2500	8.8	5.30			
	3000	9.65	6.35	Stock Slide		
	3500	9.82	6.55	10.00		
	4000	9.76	7.43	5.00		
	4500	9.51	8.15	0.00		
	5000	9.08	8.65	1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500		
	5500	8.45	8.85			
	6000	7.51	8.59			

These net power curves are to be used as a guide for initial gearing and clutch recommendations. Net performance values have been obtained and corrected in accordance with SAE J1349 Engine Power Test Code - Net Power Rating. Net power values are taken with exhaust and air cleaner installed. These have been obtained from test results of a limited number of engines and have not been proven to be statistically significant. Given the wide array of factors which can affect engine performance such as, but not limited to, final engine trim (air cleaner, exhaust, sanctioning body rule variances), equipment set-up, application limitations, ambient operating conditions (temperature, humidity, altitude), etc. These curves are intended as a reference for gearing and clutch setup only.