

From model year 2000 – Status February 2012

model	model year	RON 80-90* PON 77-86.6*	RON 91 PON 87.6	RON 95 PON 91	RON 98 PON 94
250 SX-F	2005-2012			•	
250 SXS-F	2006-2008			•	
250 EXC RACING	2002-2006			•	
250 EXC-G RACING	2004-2005			•	
250 EXC RACING SIX DAYS	2002-2003			•	
250 EXC-F (SIX DAYS)	2007-2012			•	
250 EXC-F Champions Edition	2010			•	
250 XCF-W	2007-2012			•	
250 XC-F	2007-2012			•	
250 XCF-W Champions Edition	2010			•	
350 EXC FACTORY RACING	2005			•	
350 SX-F	2011-2012			•	
350 XC-F	2011-2012			•	
350 EXC-F (SIX DAYS)	2012			•	
350 XCF-W	2012			•	
400 EXC RACING	2000-2007			•	
400 EXC	2009-2011			•	
400 EXC-G RACING	2002/04-06			•	
400 EXC RACING SIX DAYS	2001-2003			•	
400 EXC FACTORY RACING	2005			•	
400 MXC RACING	2001-2003			•	
400 LC4-E	2001			•	
400 LC4-E Mil Bronze	2001	*	•		
400 LS-E/Mil	2004	*	•		
400 SC	2000			•	
400 SXC	2000			•	
400 SX RACING	2000-2002			•	
400 XC-W	2007			•	
450 XC-G RACING	2006			•	
450 XC CROSS COUNTRY	2004			•	
450 MXC-G RACING	2003-2005			•	
450 EXC RACING	2003-2007			•	
450 EXC RACING SIX DAYS	2003-2007			•	
450 EXC FACTORY RACING	2005			•	
450 EXC-G RACING	2003-2006			•	
450 EXC-R (SIX DAYS)	2008			•	
450 EXC (SIX DAYS)	2009-2012			•	
450 EXC Champions Edition	2010			•	
450 Rally Factory	2011-2012			•	
450 SX-(F)	2003-2012			•	
450 SXS-(F)	2003-2008			•	
450 XC + XC-W	2007			•	
450 XC-F	2008-2009			•	

Comment: * after setting the ignition curve for low-octane fuel

Notes on fuel quality (for all models) » Page 6



From model year 2000 – Status February 2012

model	model year	RON 80-90* PON 77-86.6*	RON 91 PON 87.6	RON 95 PON 91	RON 98 PON 94
450 XC-W Champions Edition	2010			•	
450 XC-W (SIX DAYS)	2008-2012			•	
450 SMR	2004-2012			•	
450 SMS	2004			•	
500 EXC (SIX DAYS)	2012			•	
500 XC-W	2012			•	
505 SX(S)-F	2007-2008			•	
505 XC-F	2008-2009			•	
520 MXC RACING	2001-2002			•	
520 EXC RACING	2000-2002			•	
520 EXC RACING SIX DAYS	2001-2002			•	
520 EXC-G RACING	2002			•	
520 SX RACING	2000-2002			•	
525 XC-G RACING	2005-2006			•	
525 XC DESERT RACING	2005-2007			•	
525 XC + XC-W	2007			•	
525 MXC DESERT RACING	2003-2005			•	
525 MXC-G RACING	2003-2005			•	
525 EXC RACING	2003-2007			•	
525 EXC FACTORY RACING	2005			•	
525 EXC RACING SIX DAYS	2003-2007			•	
525 EXC-G RACING	2003-2006			•	
525 SX RACING	2003-2006			•	
525 SX SUPERMOTO	2004-2005			•	
525 SMR	2004-2005			•	
530 EXC-R (SIX DAYS)	2008			•	
530 EXC (SIX DAYS)	2009-2011			•	
530 EXC Champions Edition	2010			•	
530 XCR-W	2008			•	
530 XC-W (SIX DAYS)	2009-2011			•	
540 SXS RACING	2000-2006			•	
560 SMR	2006-2007			•	

model	model year	RON 95 PON 91
450 XC ATV	2008-2009	•
525 XC ATV	2008-2012	•
450 SX ATV	2009-2010	•
525 SX ATV	2009-2012	•

Comment: * after setting the ignition curve for low-octane fuel

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From model year 2000 – Status February 2012

model	model year	RON 80-90 * PON 77-86.6 *	RON 91 PON 87.6	RON 95 PON 91	RON 98 PON 94	RON 100 PON 95.8
125 DUKE	2011-2012			•		
200 DUKE	2012			•		
620 LC4 SUPERCOMPETITION	2000-2001			•		
620 SC SUPERMOTO	2000-2001			•		
625 SXC	2003-2007			•		
625 SMC	2004-2006			•		
625 SUPERCOMPETITION	2002			•		
625 SC SUPERMOTO	2002			•		
640 LC4 ENDURO	2000-2003			•		
640 LC4 ENDURO	2004-2006	*		•		
640 LC4 SUPERMOTO	2000-2003			•		
640 LC4 SUPERMOTO	2004-2006	*		•		
640 LC4 ADVENTURE	2000-2003			•		
640 LC4 ADVENTURE	2004-2007	*		•		
640 DUKE II	2000-2003			•		
640 DUKE II	2004-2006	*		•		
650 RALLY	2007			•		
660 RALLY	2000-2006			•		
660 SMC	2003-2006			•		
660 SMS	2004			•		
660 SUPERMOTO FACTORY	2002-2003			•		
690 SUPERMOTO (Limited Edition)	2007-2009			•		
690 SUPERMOTO PRESTIGE	2007			•		
690 SUPERMOTO R	2008-2009			•		
690 RALLY	2007-2010			•		
690 ENDURO / R	2008-2012			•		
690 SMC	2008-2012			•		
690 DUKE / R	2008-2012			•		
950 ADVENTURE	2003-2005	*		•		
950 ADVENTURE S	2003-2005	*		•		
950 SUPER ENDURO (R)	2006-2009	*		•		
950 SUPERMOTO	2005-2007			•		
950 SUPERMOTO R	2006-2008			•		
990 SUPERMOTO	2008-2009			•		
990 SUPERMOTO R	2009-2012			•		
990 SUPERMOTO T	2009-2012			•		
990 SUPER DUKE (R)	2005-2012			•		
990 ADVENTURE R	2009-2012			•		
990 ADVENTURE	2006-2012			•		
990 ADVENTURE S	2006-2008	*		•		
990 AVENTURE DAKAR	2011			•		
1190 RC8	2008-2010			•		
1190 RC8 TRACK	2011-2012					•
1190 RC8 R	2009-2010				•	
1190 RC8 R	2011-2012			•	•	

Comment: * after setting the ignition curve for low-octane fuel

Notes on fuel quality (for all models) » Page 6



FUELRECOMMENDATIONS2STRMODELS

From model year 2000 – Status February 2012

model	model year	RON 95 PON 91 1:40-1:60 *	RON 95 PON 91 1:40 *	RON 95 PON 91 1:60 *	RON 98 PON 94 1:40 *	RON 98 PON 94 1:60 *
50 SENIOR ADVENTURE	2000-2005		•			
50 SENIOR ADVENTURE	2006-2007			•		
50 JUNIOR ADVENTURE	2000-2003		•			
50 MINI ADVENTURE	2000-2002		•			
50 SX PRO SENIOR LC	2002-2005		•			
50 SX PRO JUNIOR LC	2002-2005		•			
50 SX SENIOR	2000-2001		•			
50 SX JUNIOR	2000-2001		•			
50 SX JUNIOR	2006-2009			•		
50 SX	2006-2012			•		
50 SUPERMOTO	2006			•		
60 SX	2000		•			
65 SX	2000-2005		•			
65 SX	2006-2012			•		
65 XC	2008-2009			•		
85 SX	2003-2010	•				
85 SX	2011-2012				•	
85 XC	2008-2009	•				
105 SX	2004-2010	•				
105 SX	2011				•	
105 XC	2009	•				
125 EXC	2000-2007	•				
125 EXC	2008-2012			•		
125 EXC Champions Edition	2010			•		
125 EXC SIX DAYS	2001-2007	•				
125 EXC SIX DAYS	2008-2012			•		
125 SX	2000-2007	•				
125 SX	2008-2012		•			
125 SXS	2000-2002	•				
125 SXS	2003-2009				•	
144 SX	2007-2008		•			
150 SX / XC	2009-2012		•			
200 MXC	2000-2003	•				
200 EXC	2000-2007	•				
200 EXC	2008-2012			•		
200 EXC-GS	2000-2002	•				
200 EXC SGP GS	2000-2002	•				

Comment: * unleaded fuel with at least RON xx or PON yy, mixed with high grade two stroke oil (Motorex Cross Power 2str.) at the assigned mixture ratio (e.g.: 1:40).

Notes on fuel quality (for all models) » Page 6



FUELRECOMMENDATIONS2STRMODELS

From model year 2000 – Status February 2012

model	model year	RON 95 PON 91 1:40-1:60 *	RON 95 PON 91 1:40 *	RON 95 PON 91 1:60 *	RON 98 PON 94 1:40 *	RON 98 PON 94 1:60 *
200 XC	2006-2007	•				
200 XC	2008-2009			•		
200 XC-W	2006-2007	•				
200 XC-W	2008-2012			•		
200 SX	2003-2004	•				
250 EXC	2000-2007	•				
250 EXC	2008-2012			•		
250 EXC SIX DAYS	2001-2007	•				
250 EXC SIX DAYS	2008-2012			•		
250 EXC FACTORY	2005	•				
250 MXC	2000-2005	•				
250 XC	2006-2007	•				
250 XC	2008-2012			•		
250 XC-W	2006-2007	•				
250 XC-W	2008-2012			•		
250 SX	2000-2007	•				
250 SX	2008-2012			•		
250 SXS	2000-2001	•				
250 SXS	2003-2004				•	
250 SXS	2005-2008					•
300 EXC	2000-2007	•				
300 EXC (E)	2008-2012			•		
300 EXC SIX DAYS	2001-2007	•				
300 EXC (E) SIX DAYS	2008-2012			•		
300 XC	2006-2010	•				
300 XC	2011-2012			•		
300 XC-W	2006-2007	•				
300 XC-W	2008-2012			•		
300 MXC	2000-2005	•				
380 EXC	2000-2002	•				
380 MXC	2000-2002	•				
380 SX	2000-2002	•				

Comment: * unleaded fuel with at least RON xx or PON yy, mixed with high grade two stroke oil (Motorex Cross Power 2str.) at the assigned mixture ratio (e.g.: 1:40).

Notes on fuel quality (for all models) » Page 6



MODELS WITH SEPARATE LUBRICATION

From model year 2000 – Status February 2012

model	model year	RON 91 PON 87.6	RON 95 PON 91
50 MINI ADVENTURE	2003-2008		•
50 SX MINI	2009-2012		•
125 EXE 100	2000-2001	•	
125 EXE 80	2000-2001	•	
125 SUPERMOTO 100	2000-2001	•	
125 SUPERMOTO 80	2000-2001	•	

NOTES ON FUEL QUALITY (for all models)

- » Only use lead-free fuel that is in compliance with the EN 228 standard with the corresponding octane number (RON...) or is equivalent to these specifications.
- » It is safe to use fuel with up to 10 % ethanol (E10 fuel).
- » Do not use fuel made from methanol (e. g. M15, M85, M100) or fuel with more than 10 % ethanol (e. g. E15, E25, E85, E100).

