

TECHNICAL SPECIFICATIONS – ENGINE 125 EXC/EXC SIX DAYS, 200 XC/XC-W/EXC 2008»

ENGINE	125 EXC/EXC SIX DAYS	200 XC-W/EXC	200 XC
Design	Liquid-cooled, single-cylinder, two-stroke engine with intake and exhaust control		
Piston displacement	124.8 ccm	193 ccm	
Bore / stroke	54 / 54.5 mm (2.126 / 2.145 in)	64 / 60 mm (2.52 / 2.362 in)	
Fuel	unleaded fuel with at least RON 95 (USA = Premium RON 91), mixed with high grade two stroke oil		
Oil / gasoline ratio	1:60 when using high grade, two- stroke oil (Motorex Cross Power 2T). When in doubt, please contact your importer		
Crankshaft bearing	1 deep-groove ball bearing / 1 cylinder roller bearing		
Connecting rod bearing	needle bearing		
Piston pin bearing	needle bearing		
Piston	cast aluminum		
Piston ring	2 half keystone rings	two plain compression rings	
Dimension „X“ <small>(upper edge piston- upper edge cylinder)</small>	0,0 mm +0.10 mm		
Ignition timing	1.4 mm (0.055 in) (16.5°) BTDC	1.6 mm (0.063 in) (17°) BTDC	
Spark plug	NGK BR9 ECMVX	NGK BR 8 EG	
Electrode gap	0.60 mm (0.023 in)		
Dimension „Z“ <small>(height of the control flap)</small>	43.5 mm (1.68 in)	48 mm (1.9 in)	
Primary drive	straight cut spur gears, primary ratio 23:73		
Clutch	multiple disc clutch in oil bath, hydraulically operated (Motorex hydraulic fluid 75)		
Transmission	6 speed, claw actuated		
Gear ratio			
1st gear	12 : 33 „1G33“	13 : 33 „1G33“	13 : 32 „1S32“
2nd gear	„2S15“ 15 : 31 „2G31“	„2S15“ 15 : 31 „2G31“	„2S15“ 15 : 30 „2S30“
3rd gear	„3S17H“ 17 : 28 „3S28H“	„3S17H“ 17 : 28 „3S28H“	„3S17H“ 17 : 28 „3S28H“
4th gear	„4S19H“ 19 : 26 „4S26“	„4S19H“ 19 : 26 „4S26“	„4S19H“ 19 : 26 „4S26H“
5th gear	„5S21“ 21 : 25 „5S25“	„5G17H“ 17 : 19 „5G19H“	„5S21“ 21 : 25 „5S25“
6th gear	„6G20“ 20 : 20 „6G20“	„6G22H“ 22 : 20 „6E20H“	„6G22“ 22 : 23 „6S23“
Gear lubrication	0,7 liter Motorex Top Speed 4T 15W50		
Available chain sprockets	13t / 14t for chain 5/8 x 1/4"		
Coolant	1.2 litres, 50% anti freeze, 50% distilled water, at least -25 °C (-13 °F)		
Ignition system	KOKUSAN 2K-3		
Generator output	12V / 110 W		
Carburetor	Keihin PWK 36S flat-slide carburetor, carburetor setting see table		
Air-filter	wet foam type air filter insert		

TECHNICAL SPECIFICATIONS – ENGINE 125 EXC/EXC SIX DAYS, 200 XC/XC-W/EXC 2008»

BASIC CARBURETOR SETTING		
	125 EXC EU 4.4 KW	125 EXC SIX-DAYS
Carburetor	Keihin PWK 36S AG	Keihin PWK 36S AG
Carburetor setting mark	FK019	FK0070
Main jet	140 (168/170/172)	170 (168/172)
Idling jet	38x38 (45/48)	45
Starting jet	50 (85)	85
Jet needle	R84I (NOZE/NOZF)	NOZE (NOZF)
Needle position from top	5 (4)	4
Throttle valve	7	7
Air adjustment srew open	2,5 (1)	1
Performance restrictor	–	–

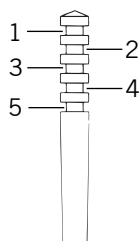
BASIC CARBURETOR SETTING			
	200 XC USA 200 XC-W USA 200 EXC ZA	200 EXC AUS	200 EXC EU (6KW)
Carburetor	Keihin PWK 36S AG	Keihin PWK 36S AG	Keihin PWK 36S AG
Carburetor setting mark	FK 020	FK0120	FK021
Main jet	162 (160/165)	162 (160/165)	100 (160/162/165)
Idling jet	42	35 (42)	35X35 (42)
Starting jet	85	85	50 (80)
Jet needle	NOZH (NOZG)	R1475J (NOZG/NOZH)	N84I (NOZG/NOZH)
Needle position from top	4	3	4
Throttle valve	7	7	7
Air adjustment srew open	1 turn	1 turn	1.5 turn (1)
Performance restrictor	–	slide stop 38 mm	slide stop 36 mm

TIGHTENING TORQUES - ENGINE		
Flange bolts - cylinder-head	M7	18 Nm
Nuts-cylinder base	M8	30 Nm
Flywheel collar nut	M12x1	60 Nm
Nut for primary sprocket	M16x1,5 links	Loctite 243 + 130 Nm
Nut for inner clutch hub	M18x1,5	Loctite 243 + 130 Nm
Collar screws für clutch springs	M6	10 Nm
Collar screw for clutch slave cylinder	M6	Loctite 243 + 10 Nm
Special screw for locating drum shifting	M8	Loctite 243 + 25 Nm
Oil drain plug	M12x1,5	20 Nm
Oil drain plug clutch cover	M10x1	15 Nm
Drain plug for water pump cover	M10x1	15 Nm
Collar screw for water pump cover	M6	Loctite 243 + 10 Nm
Water pump wheel	M5	Loctite 243 + 6 Nm
Crankcase and clutch cover bolts	M6	10 Nm
Collar screws for ignition cover	M5	5 Nm
Collar screws for exhaust flange	M5	6 Nm
Spark plug	M14x1,25	25 Nm
Collar screws for ignition system	M5	Loctite 243 + 6 Nm
Collar screw for kickstarter lever	M8	Loctite 243 + 25 Nm
Collar screw für shifting lever	M6 (10.9)	Loctite 243 + 14 Nm
Other screws	M 5 M 6 M 8 M 10	6 Nm 10 Nm 25 Nm 45 Nm

VERGASERTABELLE » CARBURETOR TABLE

VERGASERREGULIERUNG CARBURETOR SETTING KEIHIN PWK 36S AG		125 EXC/EXC SIX DAYS 2008						KTM
MEERESHÖHE ALTITUDE ↓	TEMPERATUR TEMPERATURE →	-20°C bis -7°C -2°F to 20°F	-6°C bis 5°C 19°F to 41°F	6°C bis 15°C 42°F to 60°F	16°C bis 24°C 61°F to 78°F	25°C bis 36°C 79°F to 98°F	37°C bis 49°C 99°F to 120°F	
3000 m 10000 ft ↑	LSO ASO LD IJ NADEL NEEDLE POS POS HD MJ	1 45 NOZE 4 170	1,5 45 NOZE 3 168	1,5 42 NOZF 3 165	2 40 NOZF 2 162	2 38 NOZG 2 160		
2301 m 7501 ft ↑	LSO ASO LD IJ NADEL NEEDLE POS POS HD MJ	1 48 NOZE 4 170	1 45 NOZE 4 170	1,5 45 NOZE 3 168	1,5 42 NOZF 3 165	2 40 NOZF 2 162	2 38 NOZG 2 160	
2300 m 7500 ft ↑	LSO ASO LD IJ NADEL NEEDLE POS POS HD MJ	1 48 NOZE 4 170	1 45 NOZE 4 170	1,5 45 NOZE 3 168	1,5 42 NOZF 3 165	2 40 NOZF 2 162	2 38 NOZG 2 160	
1500 m 5000 ft ↑	LSO ASO LD IJ NADEL NEEDLE POS POS HD MJ	0,75 48 NOZD 4 172	1 48 NOZE 4 170	1 45 NOZE 4 170	1,5 45 NOZE 3 168	1,5 42 NOZF 3 165	2 40 NOZF 2 162	
750 m 2500 ft ↑	LSO ASO LD IJ NADEL NEEDLE POS POS HD MJ	0,75 50 NOZD 5 175	0,75 48 NOZD 4 172	1 48 NOZE 4 170	1 45 NOZE 4 170	1,5 45 NOZE 3 168	1,5 42 NOZF 3 165	
300 m 1000 ft ↑ Meeresniveau Sea level	LSO ASO LD IJ NADEL NEEDLE POS POS HD MJ	0,75 52 NOZC 5 178	0,75 50 NOZD 5 175	0,75 48 NOZD 4 172	1 48 NOZE 4 170	1 45 NOZE 4 170	1,5 45 NOZE 3 168	

LSO = Luftregulierschraube offen
LD = Leerlaufdüse
POS = Nadel Clip Position von oben
HD = Hauptdüse



ASO = Air screw open from fully-seated
IJ = Idling jet
POS = Needle clip position from top
MJ = Main jet

NICHT FÜR STRASSENBETRIEB

Kraftstoff: Super Bleifrei ROZ 95

NOT FOR HIGHWAY USE

Fuel: unleaded fuel with at least RON 95
USA = Premium PON 91

EXC Modelle: Die oben angeführten Vergaserregulierungen gelten nur für entdrosselte Motorräder.

Um die volle Motorleistung zu erhalten, sind neben der Vergaserregulierung auch noch andere Maßnahmen erforderlich, Ihr KTM Händler hilft Ihnen gerne.
WENN SIE ÄNDERUNGEN AM MOTORRAD VORNEHMEN, GEHT DIE STRASSENZULASSUNG VERLOREN, DER BETRIEB AUF ÖFFENTLICHEN STRASSEN IST DANN VERBOTEN UND STRAFBAR! AUSSERDEM ERLISCHT DER VERSICHERUNGSSCHUTZ!

EXC models: The carburetor adjustments described above only apply to dethrottled motorcycles. Other measures will be required in addition to the carburetor adjustment for full engine performance. Your KTM dealer will be pleased to assist you.

CHANGES TO YOUR MOTORCYCLE WILL CAUSE YOU TO LOSE YOUR ROAD APPROVAL. IT WILL BE ILLEGAL TO OPERATE THE MOTORCYCLE ON PUBLIC ROADS! YOUR INSURANCE COVERAGE WILL ALSO BE CANCELLED!

Modelli EXC: Le tarature suindicate del carburatore valgono solo per motociclette potenziata. Per ottenere la piena potenza del motore sono richieste, oltre alla taratura del carburatore, anche altre misure. Il vostro concessionario KTM sarà sempre disposto ad aiutarvi.

MODIFICHE APPORTATE ALLA MOTOCICLETTA DETERMINANO LA PERDITA DELL'OMOLOGAZIONE STRADALE, L'IMPIEGO SU STRADE PUBBLICHE DI CONSEGUENZA È VIETATO E PASSIBILE DI PENA! INOLTRE DECADE LA COPERTURA ASSICURATIVA!

Modèles EXC : Les réglages de carburateur décrits ci-dessus valent seulement pour des machines débridées. Pour obtenir la pleine puissance, d'autres mesures sont nécessaires en plus de ces réglages. Les agents KTM connaissent ces mesures.

QUAND ON EFFECTUE DES TRANSFORMATIONS SUR UNE MOTO, L'HOMOLOGATION N'EST PLUS VALABLE, L'UTILISATION SUR LA VOIE PUBLIQUE EST INTERDITE ET TOMBE SOUS LE COUP DE LA LOI. DE PLUS LA COUVERTURE D'ASSURANCE DISPARAÎT.

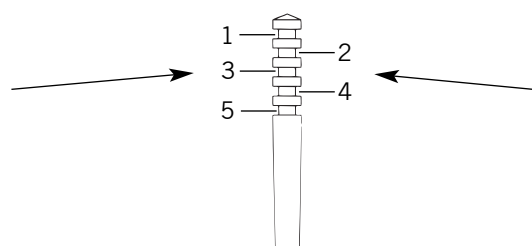
Modelos EXC: Los reglajes del carburador arriba indicados son válidos solamente para motocicletas sin reducción. Para alcanzar la potencia plena del motor, además de la regulación del carburador son necesarias también otras medidas. Su distribuidor KTM le ayudará con todo gusto.

SI EFECTÚA CAMBIOS EN LA MOTOCICLETA, SE PIERDE EL PERMISO DE CIRCULACIÓN EN CARRETERAS; LA CIRCULACIÓN EN VÍAS PÚBLICAS QUEDA ENTONCES PROHIBIDA Y ES PUNIBLE. ¡ADEMÁS CADUCA LA PROTECCIÓN DEL SEGURO!

VERGASERTABELLE » CARBURETOR TABLE

VERGASERREGULIERUNG CARBURETOR SETTING KEIHIN PWK 36S AG		200 XC/XC-W/EXC 2008						KTM
MEERESHÖHE ALTITUDE ↓	TEMPERATUR TEMPERATURE →	-20°C bis -7°C -2°F to 20°F	-6°C bis 5°C 19°F to 41°F	6°C bis 15°C 42°F to 60°F	16°C bis 24°C 61°F to 78°F	25°C bis 36°C 79°F to 98°F	37°C bis 49°C 99°F to 120°F	
3000 m 10000 ft ↑	LSO ASO LD IJ NADEL NEEDLE	1 42 NOZH	1 42 NOZH	1,5 42 NOZI	1,5 40 NOZI	2 40 NOZJ		
2301 m 7501 ft	POS POS HD MJ	4 162	3 160	3 158	2 155	2 152		
2300 m 7500 ft ↑	LSO ASO LD IJ NADEL NEEDLE	1 45 NOZH	1 42 NOZH	1 42 NOZH	1,5 42 NOZI	1,5 40 NOZI	2 40 NOZJ	
1501 m 5001 ft	POS POS HD MJ	4 162	4 162	3 160	3 158	2 155	2 152	
1500 m 5000 ft ↑	LSO ASO LD IJ NADEL NEEDLE	1 45 NOZG	1 45 NOZH	1 42 NOZH	1 42 NOZH	1,5 42 NOZI	1,5 40 NOZI	
751 m 2501 ft	POS POS HD MJ	4 165	4 162	4 162	3 160	3 158	2 155	
750 m 2500 ft ↑	LSO ASO LD IJ NADEL NEEDLE	1 48 NOZG	1 45 NOZG	1 45 NOZH	1 42 NOZH	1 42 NOZH	1,5 42 NOZI	
301 m 1001 ft	POS POS HD MJ	4 168	4 165	4 162	4 162	3 160	3 158	
300 m 1000 ft ↑	LSO ASO LD IJ NADEL NEEDLE	0,75 50 NOZF	1 48 NOZG	1 48 NOZG	1 45 NOZH	1 42 NOZH	1 42 NOZH	
Meeresniveau Sea level	POS POS HD MJ	5 170	4 168	4 165	4 162	4 162	3 160	

LSO = Luftregulierschraube offen
LD = Leerlaufdüse
POS = Nadel Clip Position von oben
HD = Hauptdüse



ASO = Air screw open from fully-seated
IJ = Idling jet
POS = Needle clip position from top
MJ = Main jet

NICHT FÜR STRASSENBETRIEB

Kraftstoff: Super Bleifrei ROZ 95

NOT FOR HIGHWAY USE

Fuel: unleaded fuel with at least RON 95
USA = Premium PON 91

EXC Modelle: Die oben angeführten Vergaserregulierungen gelten nur für entdrosselte Motorräder.

Um die volle Motorleistung zu erhalten, sind neben der Vergaserregulierung auch noch andere Maßnahmen erforderlich, Ihr KTM Händler hilft Ihnen gerne.

WENN SIE ÄNDERUNGEN AM MOTORRAD VORNEHMEN, GEHT DIE STRASSENZULASSUNG VERLOREN, DER BETRIEB AUF ÖFFENTLICHEN STRASSEN IST DANN VERBOTEN UND STRAFBAR! AUSSERDEM ERLISCHT DER VERSICHERUNGSSCHUTZ!

EXC models: The carburetor adjustments described above only apply to dethrottled motorcycles. Other measures will be required in addition to the carburetor adjustment for full engine performance. Your KTM dealer will be pleased to assist you.

CHANGES TO YOUR MOTORCYCLE WILL CAUSE YOU TO LOSE YOUR ROAD APPROVAL. IT WILL BE ILLEGAL TO OPERATE THE MOTORCYCLE ON PUBLIC ROADS! YOUR INSURANCE COVERAGE WILL ALSO BE CANCELLED!

Modelli EXC: Le tarature suindicate del carburatore valgono solo per motociclette potenziata. Per ottenere la piena potenza del motore sono richieste, oltre alla taratura del carburatore, anche altre misure. Il vostro concessionario KTM sarà sempre disposto ad aiutarvi.

MODIFICHE APPORTATE ALLA MOTOCICLETTA DETERMINANO LA PERDITA DELL'OMOLOGAZIONE STRADALE, L'IMPIEGO SU STRADE PUBBLICHE DI CONSEGUENZA È VIETATO E PASSIBILE DI PENNA! INOLTRE DECADE LA COPERTURA ASSICURATIVA!

Modèles EXC : Les réglages de carburateur décrits ci-dessus valent seulement pour des machines débridées. Pour obtenir la pleine puissance, d'autres mesures sont nécessaires en plus de ces réglages. Les agents KTM connaissent ces mesures.

QUAND ON EFFECTUE DES TRANSFORMATIONS SUR UNE MOTO, L'HOMOLOGATION N'EST PLUS VALABLE, L'UTILISATION SUR LA VOIE PUBLIQUE EST INTERDITE ET TOMBE SOUS LE COUP DE LA LOI. DE PLUS LA COUVERTURE D'ASSURANCE DISPARAIT.

Modelos EXC: Los reglajes del carburador arriba indicados son válidos solamente para motocicletas sin reducción. Para alcanzar la potencia plena del motor, además de la regulación del carburador son necesarias también otras medidas. Su distribuidor KTM le ayudará con todo gusto.

SI EFECTÚA CAMBIOS EN LA MOTOCICLETA, SE PIERDE EL PERMISO DE CIRCULACIÓN EN CARRETERAS; LA CIRCULACIÓN EN VÍAS PÚBLICAS QUEDA ENTONCES PROHIBIDA Y ES PUNIBLE. ¡ADEMÁS CADUCA LA PROTECCIÓN DEL SEGURO!