EXECUTIVE ORDER U-M-003-0189

New Emission-Compliant
Off-Highway Recreational Vehicles

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the engine and exhaust emission control systems produced by the manufacturer are certified as described below for off-highway recreational vehicles. Production vehicles shall be in all material respects the same as those for which certification is granted. The manufacturer shall ensure that character "C" or "3" is <u>not</u> used in the eighth (8th) position of the vehicle identification number (VIN) of all vehicles in the engine family listed below. Violation of this VIN provision may result in incorrect registration of the vehicles.

MODEL YEAR	ENGINE FAMILY	ENGINE DISPLACEMENT (cc)	VEHICLE TYPE	FUEL TYPE	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS PAIR	
2007	7HNXX0.65ABA	649	OFMC	Gasoline		
O2S=oxyger MFI T	sensor HO2S=heated O: Bi=throttle body fuel inject	road motorcycle EM=engine modifi 2S EGR=exhaust gas recirculation tion DFI=direct fuel injection TC/	cation TWC=three-way c AlR≍secondary air injecti SC=turbo/super charger	atalyst OC=oxidizin ion PAIR=pulsed AIR CAC=charge air cool	g catalyst WUTWC/WUOC=warm-up TWC/OC MFI=multi port fuel injection SFI=sequentia er 2 (prefix)=parallel (2) (suffix)=in series	
VEHICLE ENGINE (equivale	MODELS / CODES ent inertia illograms,			3J1 (230 kg)		

The following are the exhaust hydrocarbon (HC) and carbon monoxide (CO) emission standards, or designated HC standard as applicable, and certification levels in grams per kilometer (g/km) for this engine family. The designated HC standard, as applicable, shall be displayed on the permanent emission control label. Vehicles within this engine family shall not discharge any crankcase emissions into the ambient atmosphere in conformance with Title 13, California Code of Regulations, (13 CCR) Section 2412(i).

	HC (ç	j/km)	co			
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	* = not applicable
*	*	1.2	0.8	15.0	9,5	

BE IT FURTHER RESOLVED: That certification to the designated HC standard listed above, as applicable, is subject to the following terms, limitations and conditions:

The designated standard shall be the exhaust limit for this engine family for the model year and cannot be changed by the manufacturer. It serves as the exhaust standard applicable to this engine family for determining engine family compliance, and compliance with the corporate average HC standard in accordance with 13 CCR Sections 2412(b) and (d) and 2414.

BE IT FURTHER RESOLVED: That the listed vehicles shall be subject to 13 CCR Section 2414 (enforcement and recall provisions).

BE IT FURTHER RESOLVED: That the listed vehicles shall comply with 13 CCR Sections 1965 and 2413 (emission control labels).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Vehicles in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ____3/_st_day of May 2006.

Allen Lyons, Chief

Mobile Source Operations Division

CERTIFICATION SUMMARY



EMISSION COMPLIANT OFF-ROAD MCs & ATVs

All Sales Co All Engine D	gory: OFMC des within E isplacement	ngine Family	y: 50S Family (units	in cubic ce	 ntimeters, (cc))):			
1) ₆₄₉	2)	3)	4)	····					
Emission Sta	indards Con	npliance: D	SC		_				
If Corporate A	veraging, list	Designated	Standard:		for				
Engine Desig	jn:			8. Intal	ce, Fuel and E	- Emission C	ontrol Syster	ns (ECS)	
a. Combustion C			Four-stroke		er treatment(s			*	
@ Oil / Fu	el Ratio		N/A		nsor(s):			*	
b. Engine Type:			Reciprocating		el System:		C	ARB	
c. Valve train:	-14°W		Overhead		haust Gas Re			*	
d. Total Number of Valves (por	Intake and Exh s) per Cylinder		4	-	e. Method of Aspiration: f. Air Injection Reaction:			NAT PAIR	
e. Type of Engine	Cooling:		Water	g. Oth		J.1.5.11.	7	*	
f. Number of Cylin	nders:		1	_ <u> </u>					
g. Cylinder Arran	gement:		I						
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type	lues (no less Fest Engine Engine : Mod tia Mass(kg) <u>:</u> IC01	than 1.000); Information: Iel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr	;NOx: <u>N.</u> EW ; Ca <u>k700174</u> Ra ans: <u>M5</u>	arryover from ated Power, h MPG:	N/A Engine Fan o:41.0@65	; HC+NOx: nily: <u>N/A</u> 00_;Test Date	: 03/17/2	
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 puipment (e.g	than 1.000): Information: Infor	HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx:	;NOx: N. ;W ; Ca :K700174 Ra ans: M5 :Dlings, etc.);	arryover from ated Power, hi MPG: Yes/No:No	N/A Engine Fan o: 41,0@65 If Y	; HC+NOx: nily: <u>N/A</u> 00 ;Test Date es, describe b	9: 03/17/2 pelow:	
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g	than 1.000): Information: Information: Idel_XR650R 230RLF(., cooling fan s: HC:0.8 I Test Results aw data) (i.e.	HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs)	;NOx: N. :EW ; Ca :K700174 Ra ans: M5 :Dlings, etc.);	arryover from ated Power, he MPG: Yes/No:No -1.0- Certifica	N/A Engine Fan b: 41.0@65	; HC+NOx: nily: N/A 00 ;Test Date (es, describe bon in (s applied)	elow:	
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi Test No. and Type	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx	;NOx: N. ;W ; Ca ;K700174 Ra ans: M5 ;blings, etc.);	arryover from ated Power, he MPG:	N/A Engine Fan o: 41,0@65 . If Y CO: tion Emissic .e., with DF	; HC+NOx: nily: N/A 00 ;Test Date es, describe b 9.5 on in (s applied) HC+NOx	elow:):	
I. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi Test No. and Type 1. CARB g/km	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra HC 0.79	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx N/A	;NOx: N. ;W ; Ca :K700174 Ra ans: M5 . plings, etc.); CO 9.5	arryover from ated Power, he MPG: Yes/No:No -1.0- Certifica (i HC 0.79	N/A Engine Fan b: 41.0@65 If Y CO: tion Emission e., with DF NOx N/A	; HC+NOx: nily: N/A 00 ; Test Date es, describe b 9.5 on in (s applied) HC+NOx N/A		
I. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi Test No. and Type 1. CARB g/km 2. EPA g/km	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx	;NOx: N. ;W ; Ca ;K700174 Ra ans: M5 ;blings, etc.);	arryover from ated Power, he MPG:	N/A Engine Fan o: 41,0@65 . If Y CO: tion Emissic .e., with DF	; HC+NOx: nily: N/A 00 ;Test Date es, describe b 9.5 on in (s applied) HC+NOx	elow:):	
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi Test No. and Type 1. CARB g/km 2. EPA g/km 3.	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra HC 0.79	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx N/A	;NOx: N. ;W ; Ca :K700174 Ra ans: M5 . plings, etc.); CO 9.5	arryover from ated Power, he MPG: Yes/No:No -1.0- Certifica (i HC 0.79 0.79	N/A Engine Fan b: 41.0@65 If Y CO: tion Emission e., with DF NOx N/A	; HC+NOx: nily: N/A 00 ; Test Date es, describe b 9.5 on in (s applied) HC+NOx N/A	elow: CO 9.5 9.5	
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi Test No. and Type 1. CARB g/km 2. EPA g/km 3. Standard:	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra HC 0.79	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx N/A	;NOx: N. ;W ; Ca :K700174 Ra ans: M5 . plings, etc.); CO 9.5	arryover from ated Power, he MPG: Yes/No:No -1.0- Certifica (i HC 0.79 0.79 0.79 1.2g/km	N/A Engine Fan b: 41.0@65 If Y CO: tion Emission e., with DF NOx N/A	; HC+NOx: nily: N/A 00 ; Test Date es, describe b 9.5 on in (s applied) HC+NOx N/A	celow: CO 9.5 9.5 15.0 g/kr	
a. Test Vehicle or b. Equivalent Iner c. Test Fuel Type d. Special Test Ed N/A Certification Emi Test No. and Type 1. CARB g/km 2. EPA g/km 3. Standard: Standard:	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra HC 0.79	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx N/A	;NOx: N. ;W ; Ca :K700174 Ra ans: M5 . plings, etc.); CO 9.5	arryover from ated Power, he MPG: Yes/No:No -1.0- Certifica (i HC 0.79 0.79	N/A Engine Fan b: 41.0@65 If Y CO: tion Emission e., with DF NOx N/A	; HC+NOx: nily: N/A 00 ; Test Date es, describe b 9.5 on in (s applied) HC+NOx N/A		
d. Exhaust DF Va Certification Test Vehicle or Equivalent Iner Test Fuel Type Special Test Ed N/A Certification Emi Test No. and Type 1. CARB g/km 2. EPA g/km 3. Standard: Standard:	lues (no less Fest Engine Engine : Mod tia Mass(kg): IC01 Juipment (e.g ssion Levels Officia (ra HC 0.79	than 1.000): Information: Information: Information: Idel_XR650R 230RLF(HC: N/A New Test: NE ID:JH2RE01186 Nt): 121.2 . Tr s, special coup HC+NOx: s in (): , no DFs) HC+NOx N/A	;NOx: N. ;W ; Ca :K700174 Ra ans: M5 . plings, etc.); CO 9.5	arryover from ated Power, he MPG: Yes/No:No -1.0- Certifica (i HC 0.79 0.79 0.79 1.2g/km	N/A Engine Fan b: 41.0@65 If Y CO: tion Emission e., with DF NOx N/A	; HC+NOx: nily: N/A 00 ; Test Date (es, describe bon in (s applied) HC+NOx N/A 0.99	celow: CO 9.5 9.5 15.0 g/kr	

Certification Summary Sheet for Off-Road Motorcycle/ATV Certification Application — ARB/MSQD/NVEPB/On-Road Certification Section-8-7-2001

Model Year: 2007

Manufacturer Name:

HONDA MOTOR CO., LTD.

Engine Family: 7HNXX0.65ABA

EMISSION-COMPLIANT OFF-ROAD MC & ATV SUPPLEMENTAL INFO

Page:

4

04/06/2006

Issued: Revised:

E.O.#: U-M-003-0/89

S11.MODEL SUMMARY (Use an asterisk(*) to identify worst-case vehicle or engine model used for certification testing.)

S12. Vehicle model	S13. Engine Code		S14 Sale Code	s e	S15. Eng. Displ. (cc)	S16. Rated Power (hp)	S17. Rated Speed (RPM)	S18. Trans. (e.g., M5, A3, CVT)	S19. EIM (kg)	S20. RLF (nt)
		Calif. Only	49- State	50- State					ļ	
XR650R	73J1			Х	649	41.0	6500	M5	230	121.2
		ļ	ļ	ļ						
		-								
										<u> </u>
	:									
				\dashv						
			\dashv							
		一	\dashv							