

# Excavators

## SW210LC-5/SW230LC-5/SW330Es



- Engine: Cummins 6BT5.9-C for SW210LC-5 /SW230LC-5, 6CTA8.3-C for SW330Es, low noise, low fuel consumption, more reliable and powerful.
- Hydraulic valve imported completely from KAWASAKI HEAVY INDUSTRIES, LTD in Japan features locking functions for boom and arm and regenerative system for arm circuit.
- Hydraulic pump imported completely from KAWASAKI HEAVY INDUSTRIES, LTD in Japan increases main pump flow and hydraulic oil tank capacity. Pilot gear pump is assembled to achieve sensitive operation. Integrated installation makes pipe connection and maintenance easier.
- Swing assembly imported completely from KAWASAKI HEAVY INDUSTRIES, LTD in Japan features valve to protect it from swing back, durable design of shock absorption, and easier operation.
- Travel assembly from NABTESCO features strong power, heavy lengthened chassis, sloping track frame and good self cleaning.
- Auto-idle system: When servo-valve stays more than 5 seconds in the neutral position, CPU controller will control stepping motor to reduce the swing speed to 1300rpm so as to reduce fuel consumption and noise.
- Choose an accessory: quartering hammer, concentrate lubricating system.

Model		SW210LC-5	SW230LC-5	SW330Es
Engine		6BT5.9-Cummins	6BT5.9-C Cummins	C8.3(6CtAA) Cummins
Rated power	kW/rpm	108/2100	125/2100	168/2000
Type		Turbocharged,direct-injection	Direct-injection,turbocharged and aftercooled	Direct-injection,turbocharged,inter-cooling
Hydraulic system				
Type of hydraulic pump		2 x Plunger variable flow pump+1 x Gear pump	2 x Plunger variable flow pump+1 x Gear pump	2 x Plunger variable flow pump+1 x Gear pump
Method of power adjustment		Gross power adjustment +variable power+negative flow control	Gross power adjustment +variable power+negative flow control	Gross power adjustment +variable power+negative flow control
Motor for swing		1 x Fixed flow axial piston motor	1 x Fixed flow axial piston motor	2 x Variable flow axial piston motor
Travel axial piston motor		2 x Variable flow axial piston motor	2 x Variable flow axial piston motor	1 x Fixed flow axial piston motor
Main safety valve adjusted power	Mpa	29.4/31.4	29.4/31.4	29.4/31.4
Main data				
Traveling speed	km/h	5.4/3.1	5.5/3.5	5.4/3.1
Swing speed	r/min	11.5	12	11
Gradeability	%	70	70	70
Max. vertical digging depth	mm	6057	6320	6520
Width of track shoes	mm	600/800	600/800	600
Max. digging depth	mm	6638	6930	7490
Ground pressure	Kpa	44/35	45.3/35.6	68.5
Max. working radius	mm	9944	10360	11220
Operating weight of total machine	kg	21000	23800	33400
Max.dump height	mm	6672	6810	7320
Bucket digging force	kN	120	135	185
Max.digging height	mm	9489	9730	10390
Arm crowd force	kN	95	105	160
Min.swing radius	mm	3542	3920	1295
Bucket capacity	m <sup>3</sup>	0.90	1.1	1.45