



COMPONENT INTERCHANGEABILITY G series Note: Changes Highlighted in red

				AUX SHEAVE	ENG HP	
MODEL	BOOM/INT	JIB/INT	LUFF/INT	INT	new/old	WIRE ROPE
	2001/VES**			VEC	295 (215	22mm (6 strand)
	200 / YES**	60 / YES	NUT AVAIL.	YES	285/215	22mm (6 strand)
	200'/YES**	60'/YES	NOT AVAIL.	YES	285/331	26mm (6 strand)
GRIPPOG						
<\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	230'/Ins. & tip**	100'/YES	170'/YES	YES	285/331	26mm (6 strand)
	250'/YES**	100'/YES	170'/YES	YES	363/331	26mm (uni 3 RR)
GRATEOG						
	300'/Inserts*	100'/YES	200'/NO	YES	363/331	26mm (uni 3 RR)
	* Different					
	** Diff De alusta					
	electrical					
					KOBELCO (CRANES CO., LI



REDESIGNED HINO ENGINES (TIER 3.5)



KCNA & KCNA DEALERS REMAIN AS WARRANTY/SERVICE SUPPORT

• Required fuel: Low Sulfur - containing 50ppm or less

WHAT IS A DIESEL PARTICULATE FILTER? (DPF)



LARGE FILTER THAT TRAPS DIESEL PARTICULATE MATTER & PERIODICALLY BURNS/CLEANS THE COLLECTED EXHAUST PARTICLES

- BURNS/CLEANS ITSELF AUTOMATICALLY EVERY 10 HOURS
- OPERATOR HAS OVER-RIDE OPTION
- GRADUATED SCALE WARNING DISPLAYS TO OPERATOR
- REPLACEMENT INTERVAL APPROX 4000 5000 HOURS





EPA REQUIREMENTS

TIER 3.5 & TIER 4 EMISSIONS REDUCTION REQUIREMENT



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WORLDWIDE EMMISION REQUIREMENTS

UNITED STATES

Safety: OSHA standard Rating: ANSI standard Emission: EPA Tier 3.5

EUROPEAN UNION Safety: EN13000 standard Rating: EN13000 standard Emission: EURO Stage IIIB

<u>JAPAN</u>

Safety: Mobile crane standard Rating: Mobile crane standard Emission: 2011 Regulation



AIS MODE

<u>THE AIS MODE</u> can conserve fuel by stopping the engine -with an operator prompt -after 10 seconds of idling time. Restarting the engine is simple by just twisting the accelerator grip.

AIS CONDITIONS OF OPERATION (SAFETY CONSIDERATION)...



- · Hyd. Oil temperature : 60 F or less
- Coolant temperature : 105 F to 175F
- Low engine rpm : 800 +/-40 rpm
- Winch mode : Brake mode
- Boom angle : 5 degree before max. angle
- Lifting load : No. of reeving x 2,200 lbs. (max. 11,000 lbs)
- Swing parking brake : ON
- LMI release switch : LOCK
- Error code : None



2,100 rpm ··

G-WINCH MODE

<u>BEFORE</u> – Even No-Load lifting required full engine RPM to obtain max line speed **NOW** – THE G-WINCH MODE Can produce maximum winch line speed – EVEN AT LOW ENGINE RPM







G-ENGINE MODE

THE G-ENGINE MODE -limits maximum engine speed to 1,750 RPM and controls the pumps to make engine operate in the most efficient condition.



HOW MUCH FUEL CAN BE SAVED ?

ACTUAL JOB SITE DATA, constructing an 8 floor building with a Kobelco CK1600II Luffing Jib with 150ft main + 100ft jib, handling steel beams (2,200 lbs to 11,000 lbs). The graph shows daily operating minutes of each function as a percentage of total time.



FUEL SAVINGS CALCULATION







G-MODE FUEL SAVINGS / BY MODE

- + AIS : 1.2 gal / day
- + G-Winch : 2.4 gal /day

TOTAL= 3.9 GALLON/DAY = 18% SAVINGS

+ G-Engine : 0.3 gal / day

NEW CAB DESIGN

PREVIOUS

<u>NEW</u>



ISOLATED CAB BASE FRAME * Reduces vibration

ADDITIONAL LEG/FOOT ROOM

- EASE OF ENTRY
- WIDER DOOR



Independently adjustable lever position and operator seat.

NEW CAB DESIGN



KOBELCO CRANES CO., LTD.

PREVIOUS

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NEW CAB DESIGN - CONTROL LAYOUT

•INCREASED OPERATOR'S FIELD OF VISION

•INCREASED AIR CONDITIONER OUTPUT + 10%





KOBELCO CRANES CO., LTD.

PREVIOUS

159 4ft

MENI

*,

NEW CAB - LMI



2011/05/01 11.

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MC1-W46 PSVMC2-D05 MC1-W47

PSVMC2-DBE

PSVMC2-DA

PSVM02-D1 PSVMC2-D04 D/OMC2-C15

KOBELCO DESIGNED & WARRANTED

12" touch panel screen with sunshade & screen protector –

EASY TO PROGRAM -

Easy to read and understand information





PREVIOUS GAUGE CLUSTER





KOBELCO [Right Side] Gauges **Mode ON/OFF Indicators** mode Indicators ####***** 02 STOP Condense of the second of the 415 (4 ct of the @@@<mark>%``````````</mark> 105 PSV MC1-D01 PSV MC1-D09 PSV MC1-D11 PSV MC1-D02 2011/03/28 16:51 PSV MC1-D03 PSV MC1-D12 D/OMC1-029 PSV MC1-DØ4 Click on warning to see D/O MC1-C30 PSV MC1-D05 PSV MC1-DØ3 the details! PSV MC1-DØ8 PSV MC2-DØ1 义 히 0 Hyd. Oil Temp. Gauge Fuel Gauge 343.6dea Swing Limitation Soot Accum. Gauge Device E/G Coolant Temp. Gauge Allowed Left Limit Set Pre-warning **Right Limit Set** Prohibited Alarm & Stop 1+5 Alarm only L+S S D 3 **Display only** RESET D Keep this inside the cab KOBELCO CRANES CO., LTD.







REDUCED TRANSPORT WIDTH



REDUCED TRANSPORT WEIGHT





CK850G - CK1100G - CK1200G ASSEMBLY IMPROVEMENT

NEW REAR COUNTERWEIGHT









NEW ON CK110G - SWING AWAY AXLE EXTENSIONS



NEW ON CK1100G



PREVIOUS ON CK1000

- QUICKER ASSEMBLY
- EASIER TO HANDLE/RIG
 - EASIER TRANSPORT
 - COMMONALITY





IMPROVED MAINTENANCE ACCESS

NEW LADDER FOR ACCESS TO UPPER



HANDRAILS



