

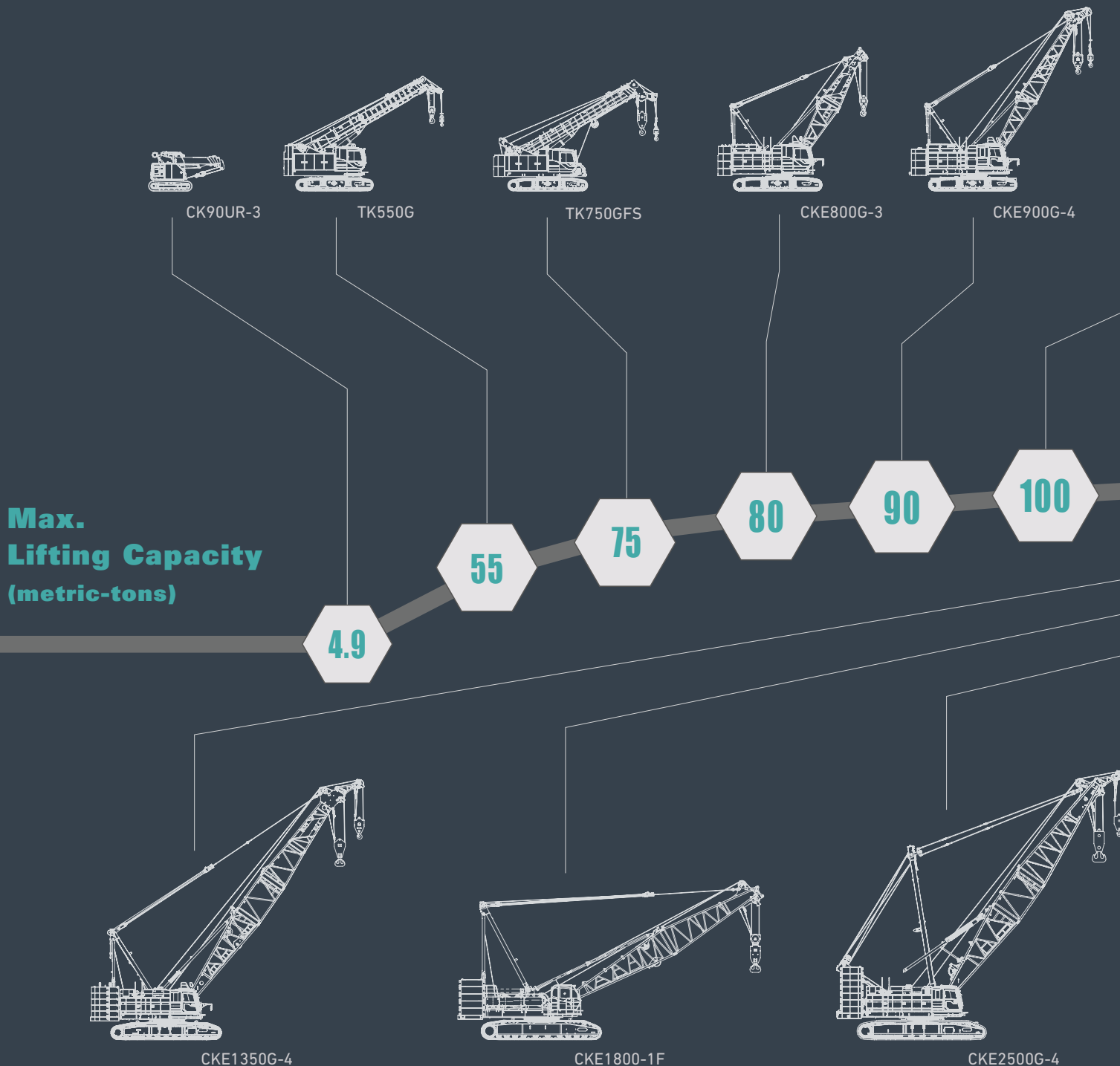
KOBELCO

**PRODUCTS
GUIDE BOOK**
-CRAWLER CRANES-



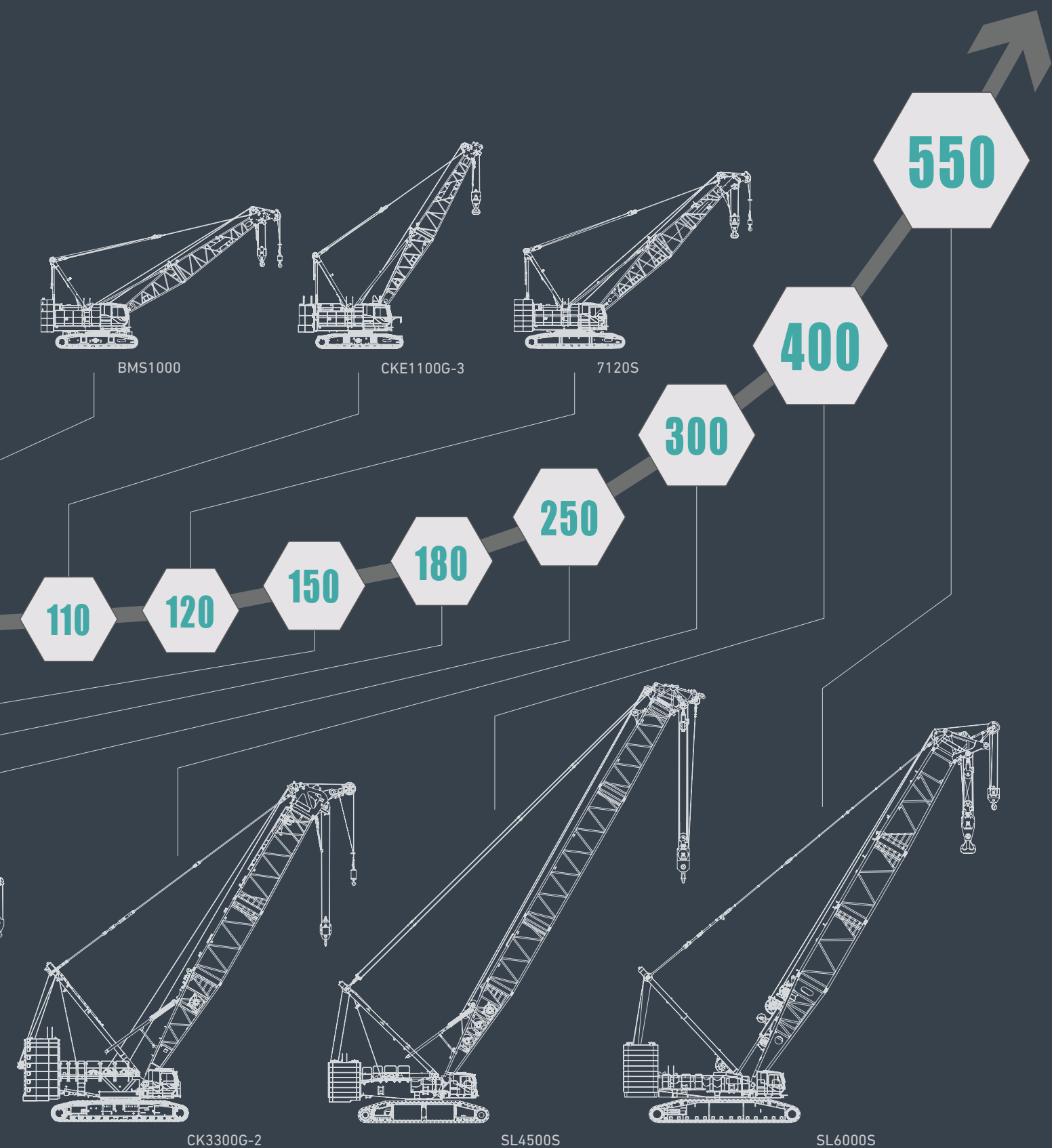
KOBELCO PRODUCTS LINEUP

We offer a variety of mobile crawler cranes, including large models for large-scale structures, highly versatile small and midsize models as well as machines for civil engineering and foundation work.



Max. Lifting Capacity (metric-tons)	4.9	55	75	80	90	100
Lattice Boom Crawler Cranes		7055-3F		CKE800G-3 CK850G-3 CKS800	CKE900G-4 CKS900	CK1100G-3
Lattice Boom Crawler Cranes (Civil Engineering & Foundation Work)				BMS800		BMS1000
Telescopic Boom Crawler Cranes	CK90UR-3, CK120UR-3	TK550G, TK550GSB	TK750G TK750GFS, TK750GLB			

■: European Model ■: North American Model ■: Standard Model / Others



110	120	135	150	180	250	300	400	550
CKE1100G-3 CK1200G-3, CK1200G-3 HDO CKS1100	7120S	CKS1350	CKE1350G-4 CK1600G-3	CK2000G-3 CKE1800-1F	CKE2500G-4 CK2750G-3 CKS2500, 7250S	CK3300G-2 CKS3000	SL4500S	SL6000S
	7120SFS							

Sales models availability may vary according to country or region. For more details, please contact to a dealer in your country/region or Kobelco Construction Machinery Co., Ltd.

Multi-purpose crawler cranes that are easy on the environment while delivering masterful transport performance.

CKE-G series

European Model

CKE900G-4 CKE1350G-4 CKE2500G-4 CKE800G-3 CKE1100G-3

CK-G series

North American Model

CK850G-3 CK1100G-3 CK1200G-3 CK1200G-3 HDO CK1600G-3 CK2000G-3 CK2750G-3

CKS series

Standard Model

CKS800 CKS900 CKS1100 CKS1350 CKS2500

7000S series

Standard Model

7120S 7120SFS 7250S

(Foundation Special Specification)

You could call this crawler crane almighty, because it can accomplish virtually any task in any work site environment.

The CKE-G, CK-G, CKS and 7000S series orchestrates our full range of advanced technologies, from design concepts that maximize transport efficiency and environmental protection to safe, precise operation and appealing design.



Multi-purpose Crawler Cranes



➤ European Model CKE2500G-4



➤ North American Model CK2750G-3



➤ Standard Model CKS800



➤ Standard Model CKS900



➤ Standard Model CKS1100



➤ Standard Model CKS1350



➤ Standard Model CKS2500



➤ Standard Model 7120S



➤ Standard Model 7250S

Multi-purpose Crawler Cranes

Standard Model

Model		CKS800	CKS900	CKS1100
Crane Boom	Max. Lifting Capacity	80t×3.0m	100t×3.6m ^{*1} 90t×3.9m ^{*2}	110t×3.6m ^{*2}
	Max. Length	54.9m	61.0m	70.1m
Fixed Jib	Max. Lifting Capacity	7.0t×20.0m	10.9t×18.0m	10.9t×22.0m
	Max. Combination	42.7m+18.3m, 45.7m+12.2m	51.8m+18.3m	61.0m+21.3m
Luffing Jib Tower Jib (7120S & 7250S)	Max. Lifting Capacity	NA	NA	NA
	Max. Combination	NA	NA	NA
Max. Line Speed (1st layer)		120m/min	120m/min	120m/min
Rated Line Pull (Single line)		78.0kN {8.0tf}	112kN {11.4tf}	108kN {11.0tf}
Wire Rope Diameter		22mm×220m	26mm×240m	26mm×265m
Brake Type		Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)
Swing Speed		4.0min ⁻¹ {rpm}	4.0min ⁻¹ {rpm}	3.2min ⁻¹ {rpm}
Travel Speed		1.7/1.1km/h	1.7/1.1km/h	1.4/1.0km/h
Power Plant Model		HINO J08E-VM ^{*3}	HINO J08E-VM ^{*3}	HINO J08E-VM ^{*3}
Engine Output		213kW/2,100min ⁻¹	213kW/2,100min ⁻¹	213kW/2,100min ⁻¹
Self-removal Device		Counterweight self-removal device (Option)	Counterweight self-removal device (Option)	Counterweight self-removal device Crawler self-removal device
Operating Weight		75.1t	90t	102t
Ground Pressure		84.7kPa	101.5kPa	95.4kPa

*1: The value are theoretical result *2: Auxiliary sheave is necessary *3: Exhaust level is equivalent with NRMM(Europe)Stage III A/US EPA Tier3

European Model

Model		CKE900G-4	CKE1350G-4	CKE2500G-4
Crane Boom	Max. Lifting Capacity	100t×3.6m ^{*4} 90t×3.9m ^{*5}	150t×4.4m ^{*5}	250t×4.6m
	Max. Length	61.0m	76.2m	91.4m
Fixed Jib	Max. Lifting Capacity	10.9t×18.0m	26.8t×16.0m	27.0t×10.4m
	Max. Combination	51.8m+18.3m	61.0m+30.5m	76.2m+30.5m
Luffing Jib	Max. Lifting Capacity	NA	36.0t×12.0m	80.0t×9.8m
	Max. Combination	NA	44.8m+53.3m, 47.9m+32.0m	61.0m+61.0m
Max. Line Speed (1st layer)		120m/min	120m/min	110m/min
Rated Line Pull (Single line)		112kN {11.4tf}	132kN {13.5tf}	132kN {13.5tf}
Wire Rope Diameter		26mm×240m	26mm×275m	26mm×460m
Brake Type		Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)
Swing Speed		4.0min ⁻¹ {rpm}	2.1min ⁻¹ {rpm}	2.2min ⁻¹ {rpm}
Travel Speed		1.7/1.1km/h	1.3/0.9km/h	1.0/0.5km/h
Power Plant Model		ISUZU 6HK1 ^{*6}	ISUZU 6UZ1 ^{*6}	ISUZU 6UZ1 ^{*6}
Engine Output		210kW/1,900min ⁻¹	270kW/2,000min ⁻¹	270kW/2,000min ⁻¹
Self-removal Device		NA	Counterweight self-removal device Crawler self-removal device	Counterweight self-removal device Crawler self-removal device
Operating Weight		90.3t	137.9t	222.8t
Ground Pressure		101.8kPa	107.9kPa	113.4kPa

*4: The value are theoretical result *5: Auxiliary sheave is necessary *6: Comply with NRMM(Europe)Stage V

North American Model

Model		CK850G-3	CK1100G-3	CK1200G-3
Crane Boom	Max. Lifting Capacity	85US t×11ft ^{*5}	110US t×11ft ^{*5}	120US t×12ft ^{*5}
	Max. Length	200ft	200ft	230ft
Fixed Jib	Max. Lifting Capacity	24,000lbs×50ft	24,000lbs×60ft	24,000lbs×70ft
	Max. Combination	180ft+60ft	190ft+60ft	200ft+70ft
Luffing Jib	Max. Lifting Capacity	NA	NA	NA
	Max. Combination	NA	NA	NA
Max. Line Speed (1st layer)		390ft/min	390ft/min	390ft/min
Rated Line Pull (Single line)		17,000lbf	25,200lbf	25,000lbf
Wire Rope Diameter		22mm×869ft	26mm×771ft	26mm×853ft
Brake Type		Wet-type multiple disc brake	Wet-type multiple disc brake	Wet-type multiple disc brake
Swing Speed		4.0rpm	4.0rpm	3.2rpm
Travel Speed		1.1/0.72mph	1.1/0.72mph	0.87/0.62mph
Power Plant Model		ISUZU 6HK1	ISUZU 6HK1 ^{*9}	ISUZU 6HK1 ^{*9}
Engine Output		281.6HP/1,900rpm	281.6HP/1,900rpm	281.6HP/1,900rpm
Self-removal Device		Counterweight self-removal device	Counterweight self-removal device	Counterweight self-removal device Crawler self-removal device
Operating Weight		168,000lbs	199,610lbs	225,465lbs
Ground Pressure		10.9psi	13.0psi	14.0psi

*9: Comply with US EPA Tier4 Final /NRMM(Europe)Stage IV *10: Heavy boom tip is necessary (Option)

CKS1350	CKS2500	7120S	7120SFS Foundation Special Specification	7250S
135t×4.5m	250t×4.6m	120t×5.0m	120t×5.0m	250t×4.6m
76.2m	91.4m	61.0m	61.0m	76.2m
26.8t×16.0m	27.0t×10.4m	12.0t×28.0m	NA	22.7t×15.0m
61.0m+30.5m	76.2m+30.5m	61.0m+30.5m	NA	76.2m+30.5m
36.0t×12.0m	80.0t×9.8m	20.0t×15.0m	NA	25.0t×18.0m
44.8m+53.3m, 47.9m+32.0m	61.0m+61.0m	51.7m+44.2m	NA	64.1m+51.8m
120m/min	110m/min	120m/min	110m/min	110m/min
132kN {13.5tf}	132kN {13.5tf}	118kN {12.0tf}	152kN {15.5tf}	132kN {13.5tf}
26mm×275m	26mm×460m	26mm×275m	30mm×200m	28mm×390m
Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake	Wet-type multiple disc brake (Option)
2.1min ⁻¹ {rpm}	2.2min ⁻¹ {rpm}	2.1min ⁻¹ {rpm}	2.1min ⁻¹ {rpm}	2.2min ⁻¹ {rpm}
1.3/0.9km/h	1.0/0.5km/h	1.3/0.9km/h	1.3/0.9km/h	1.0/0.5km/h
HINO P11C-VH ^{*3}	HINO P11C-VH ^{*3}	HINO P11C-VH ^{*3}	HINO P11C-VH ^{*3}	HINO P11C-VH ^{*3}
271kW/1,850min ⁻¹	271kW/1,850min ⁻¹	271kW/1,850min ⁻¹	271kW/1,850min ⁻¹	271kW/1,850min ⁻¹
Counterweight self-removal device Crawler self-removal device	Counterweight self-removal device Crawler self-removal device	NA	NA	NA
136t	217t	120t	137t	212t
106kPa	111kPa	94kPa	107kPa	123kPa

CKE800G-3	CKE1100G-3
80t×3.0m	110t×3.6m ^{*5}
54.9m	70.1m
7.0t×20.0m	10.9t×22.0m
42.7m+18.3m, 45.7m+12.2m	61.0m+21.3m
NA	NA
NA	NA
120m/min	120m/min
78kN {8.0tf}	108kN {11.0tf}
22mm×220m	26mm×265m
Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)
4.0min ⁻¹ {rpm}	3.2min ⁻¹ {rpm}
1.7/1.1km/h	1.4/1.0km/h
HINO J08E-YD ^{*6}	HINO J08E-YD ^{*6}
213kW/2,100min ⁻¹	213kW/2,100min ⁻¹
Counterweight self-removal device (Option)	Counterweight self-removal device Crawler self-removal device
75.7t	102.1t
84.8kPa	95.9kPa

Standard Model			
Model		7055-3F	CKE1800-1F
Crane Boom	Max. Lifting Capacity	55t×3.7m	180t×3.75m ^{*7}
	Max. Length	51.8m	42.7m ^{*8}
Fixed Jib	Max. Lifting Capacity	7t×16.0m	26.8t×16.8m
	Max. Combination	42.7m+12.2m, 39.6m+18.3m	73.2m+30.5m
Tower Jib	Max. Lifting Capacity	12t×10.0m	48.6t×9.14m
Luffing Jib	Max. Combination	42.4m+29.0m	54.9m+51.8m
Max. Line Speed (1st layer)		120m/min	100m/min
Rated Line Pull (Single line)		68.6kN {7.0tf}	132kN {13.5tf}
Wire Rope Diameter		22mm×175m	25.4mm×435m
Brake Type		Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)
Swing Speed		4.0min ⁻¹ {rpm}	2.6min ⁻¹ {rpm}
Travel Speed		2.4/1.5km/h	1.1/0.7km/h
Power Plant Model		HINO J08E-TM ^{*3}	HINO P11C-UN ^{*3}
Engine Output		159kW/2,000min ⁻¹	247kW/2,000min ⁻¹
Self-removal Device		NA	Counterweight self-removal device Crawler self-removal device
Operating Weight		56.7t	164t
Ground Pressure		72.3kPa	103kPa

^{*7}: Heavy duty tip is necessary ^{*8}: Heavy duty crane boom

CK1200G-3 HDO Heavy Duty Oil Field Specification	CK1600G-3	CK2000G-3	CK2750G-3
120US t×12ft ^{*5}	160US t×15ft ^{*5}	200US t×12.3ft ^{*5 *10}	275US t×15ft
230ft (HDO Boom: 110ft)	250ft	280ft	300ft
24,000lbs×70ft	59,000lbs×55ft	59,500lbs×50ft	59,500lbs×34.1ft
200ft+70ft	200ft+100ft	240ft+100ft	250ft+100ft
NA	79,000lbs×40ft	107,100lbs×30ft	176,300lbs×32ft
NA	157ft+175ft	180ft+170ft	200ft+200ft
390ft/min	393ft/min	361ft/min	360ft/min
25,000lbf	29,500lbf	29,500lbf	29,700lbf
26mm×853ft	26mm×902ft	26mm×1,679ft	26mm×1,509ft
Wet-type multiple disc brake	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)	Wet-type multiple disc brake (Option)
3.2rpm	2.1rpm	2.2rpm	2.2rpm
0.87/0.62mph	0.81/0.6mph	0.62/0.37mph	0.69/0.44mph
ISUZU 6HK1 ^{*9}	ISUZU 6UZ1 ^{*9}	ISUZU 6UZ1 ^{*9}	ISUZU 6UZ1 ^{*9}
281.6HP/1,900rpm	362HP/2,000rpm	362HP/2,000rpm	362HP/2,000rpm
Counterweight self-removal device Crawler self-removal device	Counterweight self-removal device Crawler self-removal device	Counterweight self-removal device Crawler self-removal device	Counterweight self-removal device Crawler self-removal device
272,000lbs	309,000lbs	439,385lbs	485,155lbs
16.8psi	11.9psi	14.59psi	14.9psi



The largest models of multi-purpose crawler cranes
CK / CKS series

CK3300G-2

North American Model

CKS3000

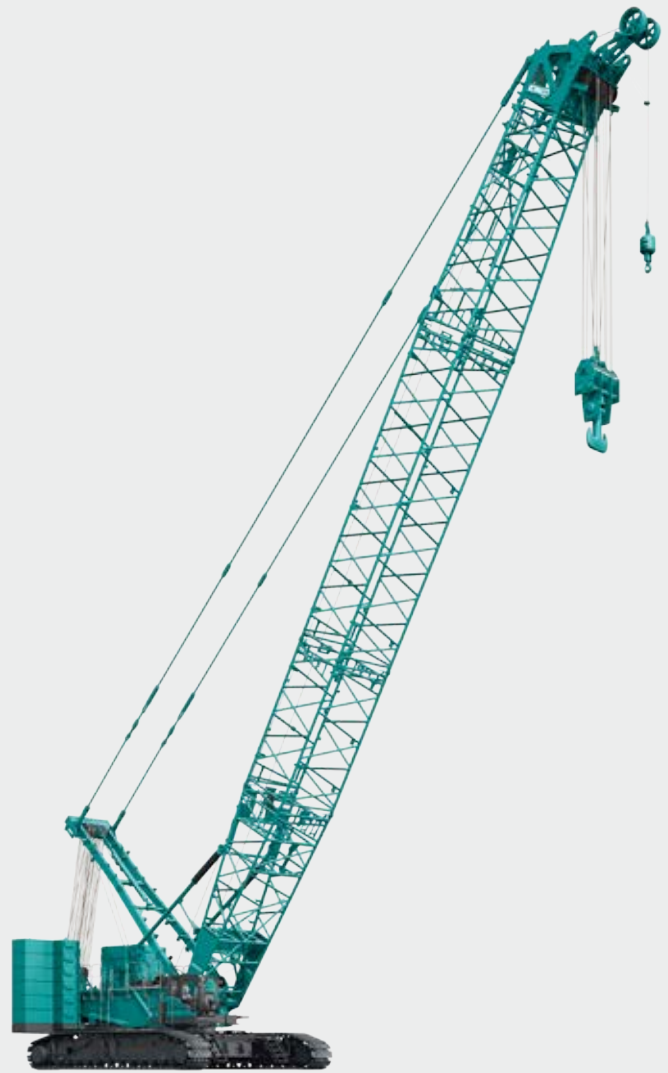
Standard Model

These "All Rounder" cranes that can handle a wide variety of applications in different jobsites by utilizing Kobelco's solid achievements and technologies in multi-purpose cranes as well as handling even the heaviest lifts on large-scale projects.

Multi-purpose Crawler Cranes



➤ CK3300G-2



➤ CKS3000

		North American Model			Standard Model		
Model		CK3300G-2			CKS3000		
		STD	HL	SHL	STD	HL	SHL
Lift Enhancer	HL Mast	NA	98ft	98ft	NA	30m	30m
	Additional Weight	NA	NA	to 396,800lbs	NA	NA	to 180t
Crane Boom	Max. Lifting Capacity	661,300lbs×18.1ft	484,100lbs×28.9ft	771,600lbs×26.3ft	300t×5.5m	189.8t×8.8m	350t ^{*1} ×8.0m
	Max. Length	295ft	256ft	335ft	90m	78m	102m
Fixed Jib	Max. Lifting Capacity	58,400lbs×54.4ft	NA	NA	26.5t×16.1m	NA	NA
	Max. Combination	256ft+100ft	NA	NA	78m+30.5m	NA	NA
Heavy Fixed Jib	Max. Lifting Capacity	88,200lbs×72.2ft	NA	NA	40t×22m	NA	NA
	Max. Combination	236ft+98ft	NA	NA	72m+30m	NA	NA
Luffing Jib	Max. Lifting Capacity	260,200lbs×44ft	264,500lbs×46ft	264,500lbs×65ft	120t×13m	117.2t×13m	120t×18m
	Max. Combination	197ft+217ft	197ft+295ft	276ft+295ft	60m+66m	60m+90m	84m+90m
Max. Line Speed (1st layer)		377.3ft/min			115m/min		
Rated Line Pull (1st to 7th layer)		33,045lbf			147kN		
Wire Rope Diameter		28mm×1,969ft			28mm×600m		
Swing Speed		1.7rpm			1.7min ⁻¹ {rpm}		
Travel Speed		0.62/0.37mph			1.0/0.6km/h		
Power Plant Model		SCANIA DC13 084A			SCANIA DC13 76A ^{*2}		
Engine Output		450HP/2,100rpm			331kW/2,100min ⁻¹ {rpm}		
Operating Weight		Approx. 721,075lbs ^{*3}	TBA		Approx. 325t ^{*3}	TBA	
Ground Pressure		Approx. 19.9psi ^{*4}	TBA		148 kPa [1.52 kgf/cm ²] ^{*4}	TBA	

*1: Optional equipments are necessary.

*2: Exhaust level is equivalent with NRMM(Europe)Stage IIIA

*3: Standard specification includes base machine, counterweights (140t / 308,700 lbs), carbody weights (40t / 88,200 lbs), counterweight self removal device (optional), 24m / 78ft standard boom and 350 metric ton / 386 US ton hook block.

*4: Operating weight / 2 (distance between tumblers x crawler shoe width)
Fluctuations due to the position of central gravity are not included.

Large-sized crawler cranes for
large-scale facility construction.

SL series

SL4500S Light Configuration SL4500S SL6000S

These large-sized crawler cranes are excellent choices for plant construction sites, large infrastructure maintenance jobs, energy-related projects, and more. They incorporate the latest innovations, offering astounding transportability and superior operator comfort.



➤ SL4500S Light Configuration



➤ SL6000S

Large-sized Crawler Cranes

Model		SL4500S			SL4500S Light Configuration
		STD	HL	SHL	-
Lift Enhancer	HL Mast	-	30m	30m	-
	Additional Weight	-	-	to 250t	-
Heavy Duty Crane Boom	Max. Lifting Capacity	-	-	-	-
	Max. Length	-	-	-	-
Luffing Boom	Max. Lifting Capacity	400t×5.5m	377t×7.0m	377t×12.0m	300t ^{*1} ×6.0m 180t×10.0m
	Max. Length	78m	84m	84m	24-78m
Long Boom	Max. Lifting Capacity	113.5t×10.0m	-	-	90t×14.0m
	Max. Length	96m	-	-	96m
		Preliminary			Preliminary
		Type A	Type B	Type C	
Heavy Fixed Jib	Max. Lifting Capacity	90.4t×18m	88.6t×22m	64.9t×42m	78.3t×18m
	Max. Combination	78m+18m	84m+18m	102m+18m	75m+18m
Luffing Jib	Max. Lifting Capacity	113.5t×16.0m	113.5t×16.0m	113.5t×16.0m	80t×16.0m
	Max. Combination	66m+66m (72m+54m)	72m+66m (78m+54m)	78m+66m (84m+54m)	66m+66m
Max. Line Speed (1st layer)		110m/min			
Rated Line Pull (Single line)		132kN {13.5tf}			137kN {14.0tf}
Wire Rope Diameter		28mm×790m			
Swing Speed		1.2min ⁻¹ {rpm}			
Travel Speed		1.0/0.6km/h			
Power Plant Model		HINO E13C-WY ^{*2}			
Rated Engine Output (Max.Engine Output)		320kW/2,000min ⁻¹ (330kW/1,800min ⁻¹)			
Operating Weight		Approx. 383.4t ^{*3}			Approx. 311t ^{*4}
Ground Pressure		166kPa {1.69kgf/cm ² } ^{*3}			134kPa {1.4kgf/cm ² } ^{*4}

Model		SL6000S			
		STD	HL	SHL	
Lift Enhancer	HL Mast	—	30m	30m	
	Additional Weight	—	—	to 250t	
Heavy Duty Crane Boom	Max. Lifting Capacity	450t×6.7m	370t×8.3m	550t×8.3m	
	Max. Length	84m	84m	84m	
Luffing Boom	Max. Lifting Capacity	300t×10.0m	300t×9.3m	300t×20.0m	
	Max. Length	84m	84m	84m	
Long Boom	Max. Lifting Capacity	98t×18.0m	98t×20.0m	98t×30.0m	
	Max. Length	108m	108m	126m	
		Type A	Type B1	Type B2	Type C
Heavy Fixed Jib	Max. Lifting Capacity	105t×20m	120t×20m	120t×20m	105t×30m
	Max. Combination	78m+18m	78m+18m	78m+18m	102m+18m
Luffing Jib	Max. Lifting Capacity	195.1t×14m	200t×14.4m	200t×14.4m	
	Max. Combination	60m+72m	66m+72m	84m+84m	
Max. Line Speed (1st layer)		110m/min			
Rated Line Pull (Single line)		137kN {14.0tf}			
Wire Rope Diameter		28mm×830m			
Swing Speed		0.9min ⁻¹ {0.9rpm}			
Travel Speed		1.0 / 0.6km/h			
Power Plant Model		HINO E13C-WY ^{*2}			
Rated Engine Output (Max.Engine Output)		320kW/2,000min ⁻¹ (330kW/1,800min ⁻¹)			
Operating Weight		Approx. 456t ^{*5}			
Ground Pressure		147kPa {1.5kgf/cm ² } ^{*5}			

*1: With standard boom configuration (width: 3.0m)

*2: Exhaust level is equivalent with NRMM(Europe)Stage III A/US EPA Interim Tier3

*3: Including base machine, counterweights (160t), carbody weights (31t), crawler weight (20t), 24m boom and 400 metric ton hook block.

*4: Including base machine, counterweights (120t), carbody weights (31t), 24m luffing boom, and 180 metric ton hook block.

Not include quick connection devise and upper translifter.

*5: Including base machine, counterweights (200t), carbody weights (50t), 24m STD heavy duty boom and 550 metric ton hook block.

Not including quick connection devise and upper translifter.

Heavy Duty Crawler Cranes

Delivering the power and speed so critical to civil engineering and foundation work.

BMS series

Standard Model

BMS800 BMS1000

This series is specially engineered with the tremendous strength and structural rigidity needed for civil engineering and foundation work.

These heavy-duty machines have ample power and strength to lift heavy loads hour after hour, day after day.



➤ BMS800



➤ BMS1000

Model		BMS800	BMS1000
Crane Boom	Max. Lifting Capacity	80t×3.6m	100t×3.8m
	Max. Length	54.9m	62.6m
Fixed Jib	Max. Lifting Capacity	NA	NA
	Max. Combination	NA	NA
Luffing Jib	Max. Lifting Capacity	NA	NA
	Max. Combination	NA	NA
Max. Line Speed (1st layer)		120m/min	110m/min
Rated Line Pull (Single line)		108kN {11.0tf}	132kN {13.5tf}
Wire Rope Diameter		26mm×175m	28mm×200m
Brake Type		Wet-type multiple disc brake	Wet-type multiple disc brake
Swing Speed		4.0min ⁻¹ {rpm}	3.2min ⁻¹ {rpm}
Travel Speed		1.7/1.1km/h	1.4/1.0km/h
Power Plant Model		HINO P11C-VH ^{*1}	HINO P11C-VH ^{*1}
Engine Output		271kW/1,850min ⁻¹	271kW/1,850min ⁻¹
Self-removal Device		NA	NA
Operating Weight		76t	107t
Ground Pressure		85.8kPa	109kPa

^{*1}: Exhaust level is equivalent with NRMMEurope)Stage III A/US EPA Tier3

Telescopic Boom Crawler Cranes

The stability of a crawler with
the operability of an extendable boom.

TK-G series

Standard Model

TK550G TK550GSB TK750G TK750GFS TK750GLB

European Model

TKE750G

Crawlers offer superior stability and extendable booms for new levels of operability. Sized and designed for ease of transport, our crawler cranes are at home on large-scale foundation work sites, too.



➤ TK550G



➤ TK750GFS

		Standard Model					European Model
Model Name		TK550G	TK550GSB	TK750G	TK750GFS	TK750GLB	TKE750G
Model		TK550G-2		TK750G-2			
Crane Boom	Max. Lifting Capacity	55.0t×3.0m		75.0t×3.0m		75.0t×2.6m	75.0t×3.0m
	Boom Length	10.0 to 30.1m	7.7 to 20.9m	10.0 to 30.1m		11.6 to 35.0m	10.0 to 30.1m
Max. Line Speed (1st layer)		110m/min		110m/min			110m/min
Rated Line Pull (Single line)		49.0kN {5.0tf}	58.8kN {6.0tf}	68.6kN {7.0tf}	107.8kN {11.0tf}	68.6kN {7.0tf}	68.6kN {7.0tf}
Wire Rope Diameter		18mm×180m	20mm×120m	22mm×170m	26mm×110m	22mm×205m	22mm×170m
Swing Speed		2.3min ⁻¹ {rpm}		2.5min ⁻¹ {rpm}			2.5min ⁻¹ {rpm}
Travel Speed		1.6/1.1km/h	2.1/1.4km/h	1.6/1.1km/h			1.6/1.1km/h
Power Plant Model		Mercedes-Benz E9H01 (Daimler OM936LA)		Mercedes-Benz E9H01 (Daimler OM936LA)			Mercedes-Benz E9H01 (Daimler OM936LA)
Engine Output		207kW/2,000min ⁻¹		254kW/2,000min ⁻¹			254kW/2,000min ⁻¹
Operating Weight		55.5t	54.7t	70.2t	71.9t	71.6t	70.2t
Ground Pressure		75.8kPa	74.7kPa	83.8kPa	85.8kPa	85.5kPa	83.8kPa

TK series availability may vary according to country or region. For more details, please contact to a dealer in your country/region or Kobelco Construction Machinery Co., Ltd.

CK series

CK90UR-3 CK120UR-3

For city sites where working space is greatly restricted, such as road and rail infrastructure below ground, trenches for utilities, foundations work for new buildings, or work on elevated bridges or rail tracks, this high-performance crane series can be relied upon to get the job done.



➤ CK90UR-3



➤ CK120UR-3

Model		CK90UR-3	CK120UR-3
Crane Boom	Max. Lifting Capacity	4.9t×2.1m	4.9t×2.5m
	Boom Length	4.25m to 14.77m	
Line Speed (unloaded)		104m/150min (4th layer)	
Wire Rope Diameter		10mm×113m	
Swing Speed		2.1min ⁻¹ {rpm}	
Travel Speed		2.6/5.3km/h	1.8/3.0km/h
Power Plant Model		ISUZU 4LE2xDPC	
Engine Output		41kW/2,000min ⁻¹	
Operating Weight		9.7t	12.4t
Ground Pressure		46.2kPa {0.47kgf/cm ² }	42.6kPa {0.43kgf/cm ² }

CK series availability may vary according to country or region. For more details, please contact to a dealer in your country/region or Kobelco Construction Machinery Co., Ltd.



KOBELCO has developed a remote operation management system for its cranes. Machines fitted with this system transmit working conditions, location, and maintenance history providing owners with fact-based, operational information that gives a tremendous advantage for their asset management.

Main Functions



LOCATION

> Acquire Working Condition and Location of the Fleet

The system is based on satellite mapped images, Internet connection, and other means to remotely monitor a crane's working condition and its location. This information is useful in planning maintenance schedules and providing guidance to operators, helping to ensure that crane owners can maximize their fleet efficiency.



WORKING

> Managing Safety/Operational Records and Monitoring Working Status

Crane owners can monitor and record the working condition and operational status of onsite machines on entire fleet basis, promoting greater crane safety.



SAFETY

> Remote Failure Diagnosis

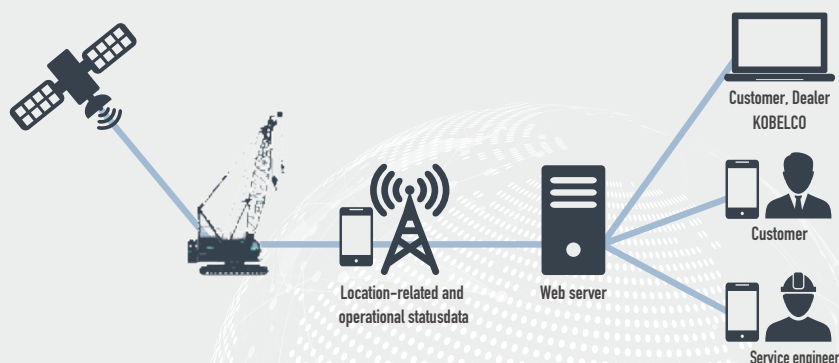
It is possible to narrow down possible failure causes quicker and more accurately by remotely accessing to the current and historical status of the machine, helping to minimize the machine downtime.



MAINTENANCE

> Preventive Maintenance Ensures Good Machine Condition and Protects Value

The system recommends appropriate parts replacement timing based on the machine working hour. Regular maintenance can help the machines running at peak performance at all times.



Viewing of machine data via the Internet allows provision of complex machine data

Using the Internet, customers can check on a crane's operational status from the office, and its location can be checked with GPS. Operation data such as whether or not a crane is in operation, total operating and idling hours, etc., is displayed in easy-to-read graph and table formats.



Location display



KCROSS reports
(Possible to customize data)

Detailed Machine and Operation Data Can Be Accessed over the Internet

Operating data for a given crane can be accessed and accurately monitored from the Internet terminal in the crane owner's office.

Main Data Handled

- Map: Shows past and latest locations and travel history of all machines in the owner's fleet.
- Performance record: Hours of operation, Lift operations, and Safety record in the period of a day, a week, or other desired span.
- At-a-glance function: Outputs a report (in the form of a record log or sheet) that shows whether or not the machine is currently operating, its total operating hours, and other operating data.



Operation data can be received on a mobile phone

When necessary, this system can send data as a text message to a mobile phone

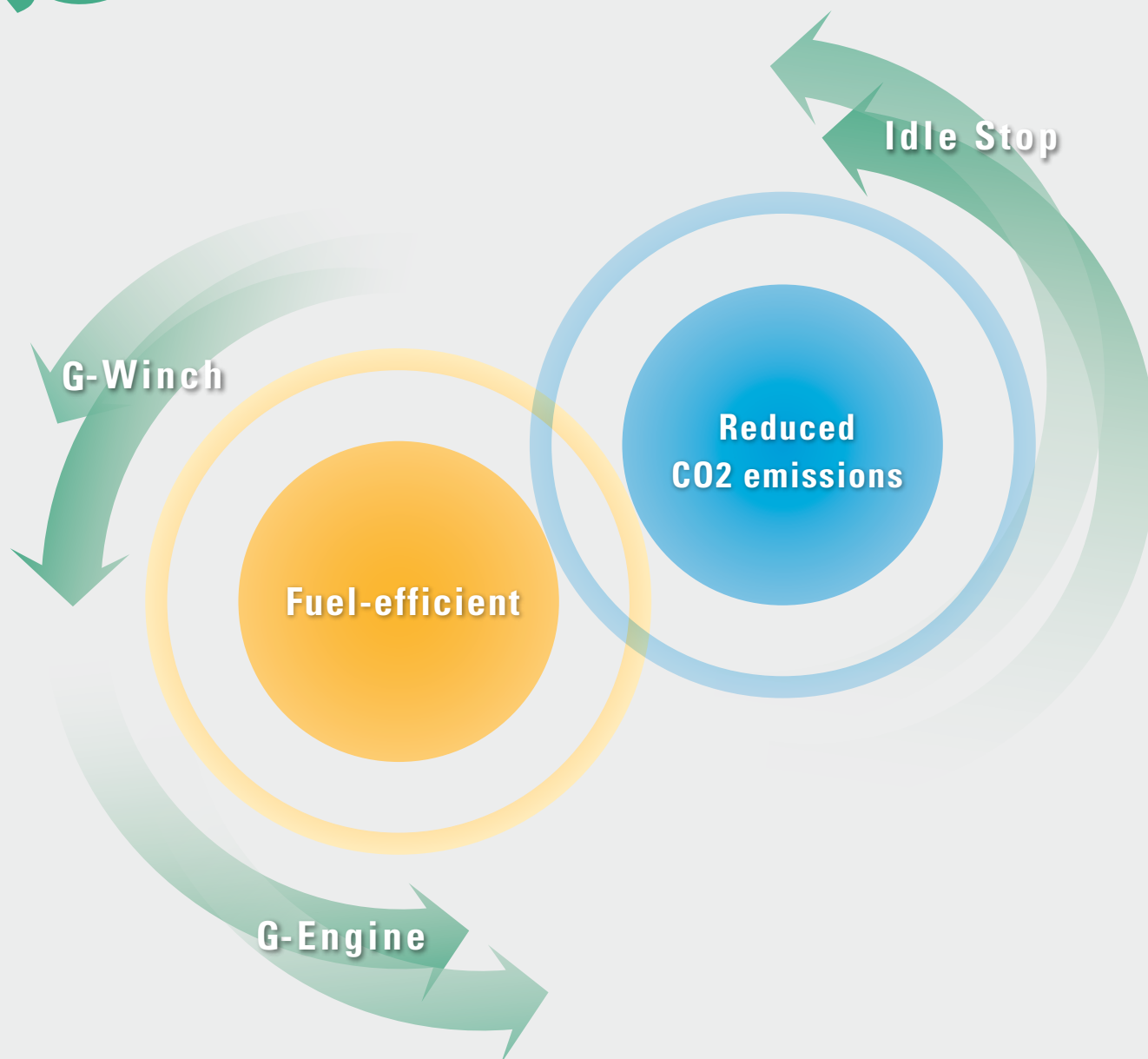


Note

- Compatible crane models
KOBELCO hydraulic crawler cranes (G series or later), including some conventional models.
- User registration and Internet access environment are required.

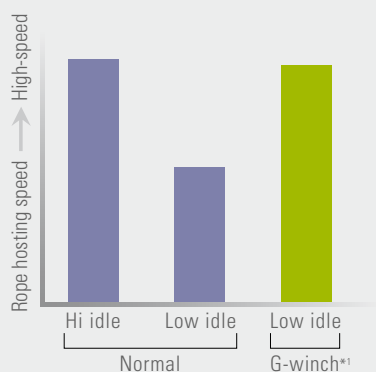


G-mode is an exclusive energy and fuel saving system. The G-mode eliminates needless operations and engine functions allowing for reduced fuel consumption by using three basic modes that are all operator selectable.



➤ A "G-Winch" That Provides Higher Speed Without Rising Engine Speed

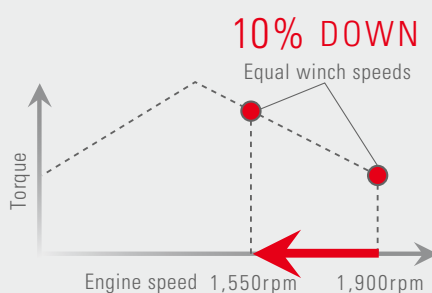
The high-speed mode allows the line to be raised or lowered at maximum line speed without raising engine speed when lifting without a load, or even with a light load.



*1: The number of rotations may vary depending on the models.

➤ "G-Engine" Reduces Fuel Consumption by 10%

G-engine keeps the engine running within fuel-efficient parameters by limiting maximum engine speed. Engine speed is reduced but pump capacity is controlled to maintain maximum winch speed for running or lifting. Using this "G-engine" function improves fuel consumption by at least 10% when compared to operations on a normal crane.



*The engine speed indicates of CK850G-3, CKE900G-4, CK1100G-3, CK1200G-3 and CK1200G-3 HDO.

➤ An Idle Stop Function for Eco-driving

The Auto Idle Stop (AIS) function stops the engine automatically in situations such as when you are waiting for the next trailer to come and have checked that everything is safe, reducing energy consumption in any operation, be it construction, or loading and unloading at a port. In addition to the AIS function, there is also a new manual stop function. In either case, simply turning the accelerator bar starts the engine again – there is no need to turn the key.

Note: Standard equipment may vary depending on your areas or countries. Due to our policy of continuous products improvements all designs and specifications are subject to change without prior notice.

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