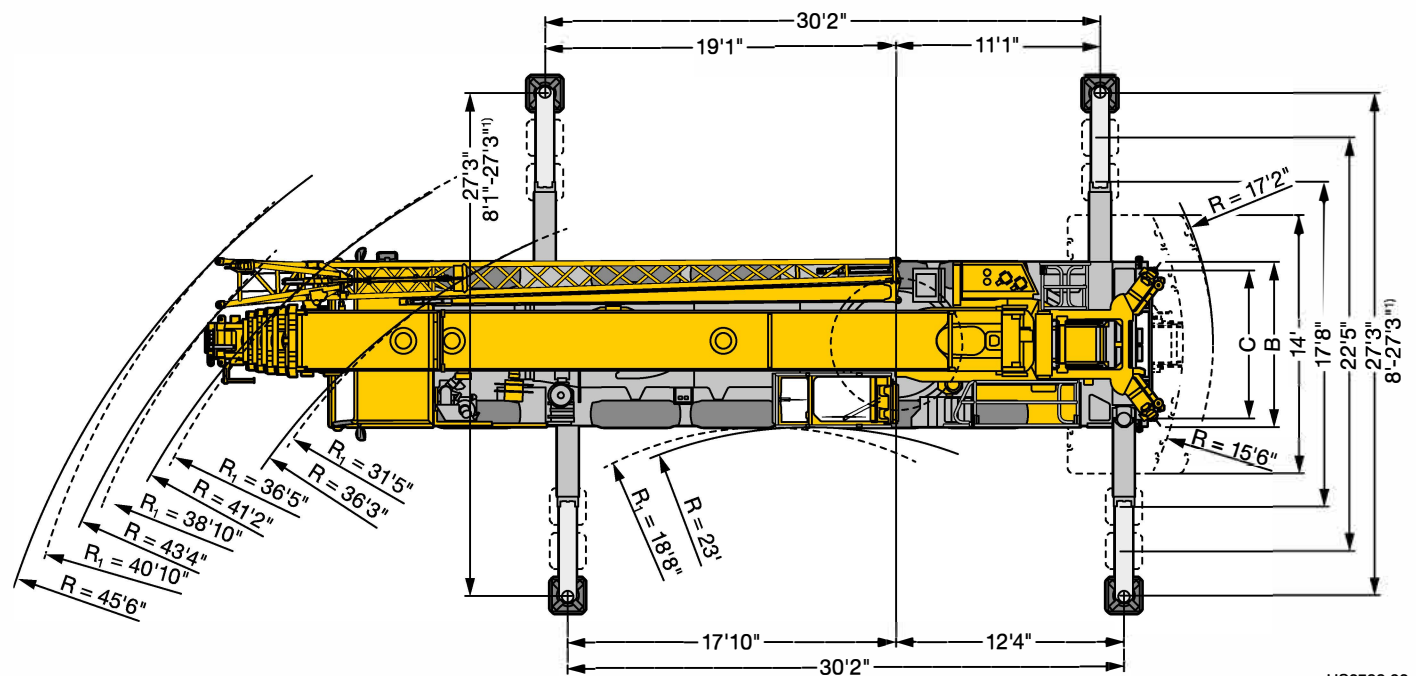
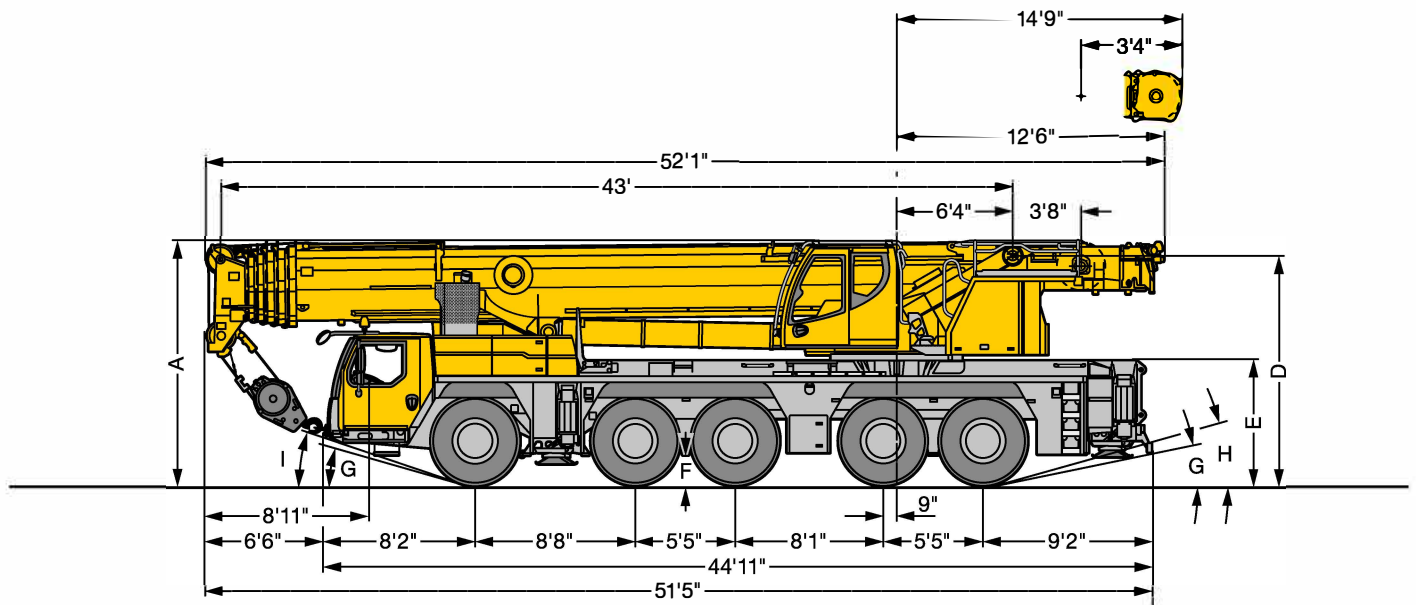




TRANSPORTATION SPECS - All Terrain Cranes

LIEBHERR MODEL LTM 1160-5.2 - 190 TON CAPACITY

Dimensions Encombrement



US2788.02

R_i = All-wheel steering · Direction toutes roues ¹⁾ only with VarioBase® · seulement avec VarioBase®

Dimensions/Encombrement

	A	A 4" **	B	C	D	E	F	G	H	I
445/95 R 25 (16.00 R 25)	13'1"	12'10"	9'	7'7"	12'4"	6'9"	1'5"	11°	15°	18°
525/80 R 25 (20.5 R 25)	13'1"	12'10"	9'4"	7'7"	12'4"	6'9"	1'5"	11°	15°	18°

* lowered · abaissé



TRANSPORTATION SPECS - All Terrain Cranes

LIEBHERR MODEL LTM 1160-5.2 - 190 TON CAPACITY



Weights Poids

Hook block/Moufles à crochet





Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
321.9	9	18	2910
189.6	5	10	2870/1980
135.8	3	7	1540
60	1	3	1430
20.3	—	1	770

Working speeds Vitesses






Crane carrier/Châssis porteur

	(mph) min.	(mph) max.	 %
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	53	55.7 %

Theoretical gradeability/Aptitude théorique en pente

	
	12 / R2
	4 / R2

Crane superstructure/Partie tournante

Drive Mécanismes	infinitely variable en continu	Rope diameter / length Diamètre / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 440 ft/min single line ft/min au brin simple	0.83" / 968 ft	20600 lbs
	0 – 440 ft/min single line ft/min au brin simple	0.83" / 968 ft	20600 lbs
	0 – 1.2 rpm		
	approx. 65 seconds to reach 82° boom angle env. 65 s jusqu'à 82°		
	approx. 400 seconds for boom extension from 43 ft – 203 ft env. 400 s pour passer de 43 ft – 203 ft		

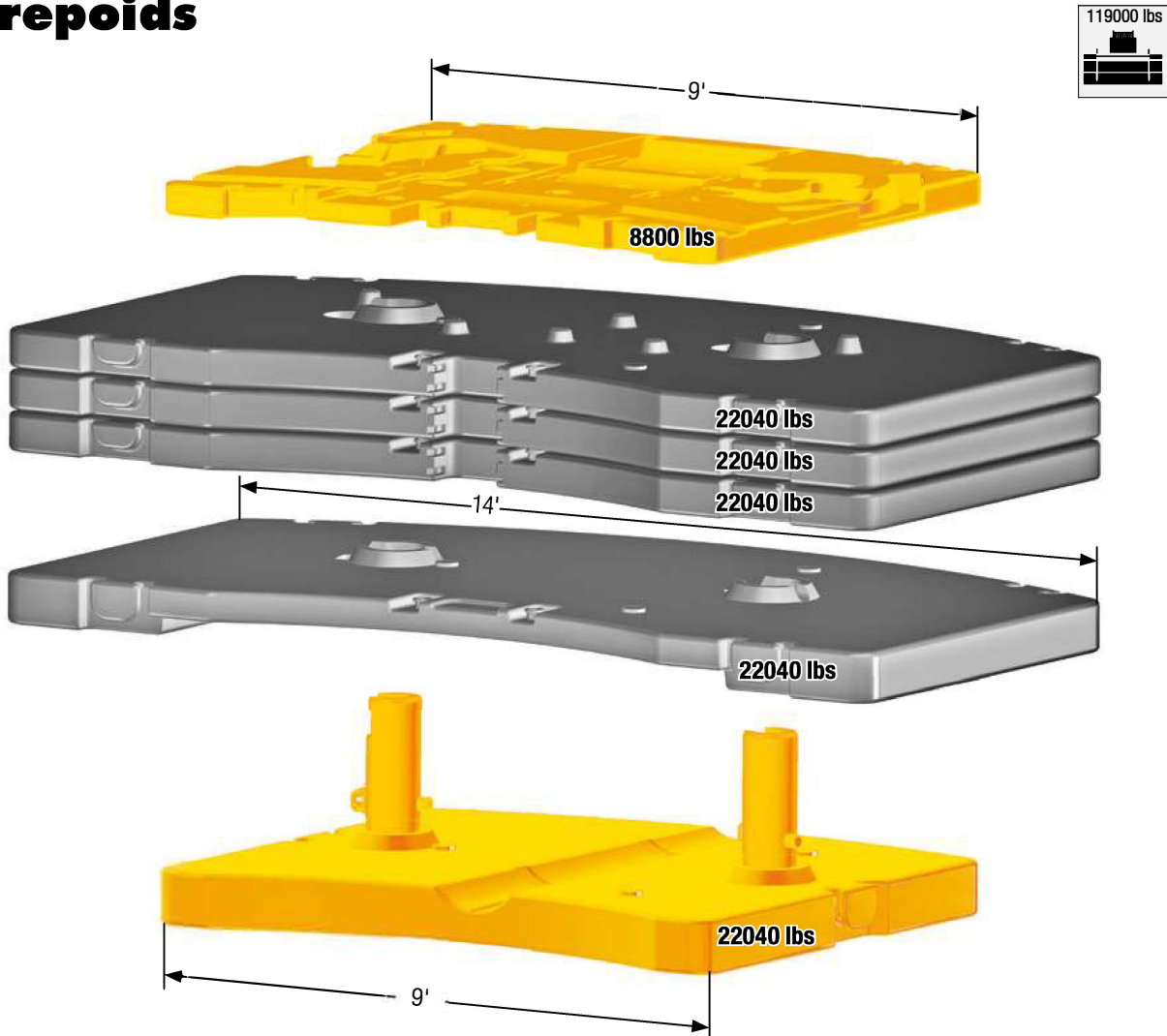
STERLING CRANE



TRANSPORTATION SPECS - All Terrain Cranes

LIEBHERR MODEL LTM 1160-5.2 - 190 TON CAPACITY

Counterweight Contrepoids

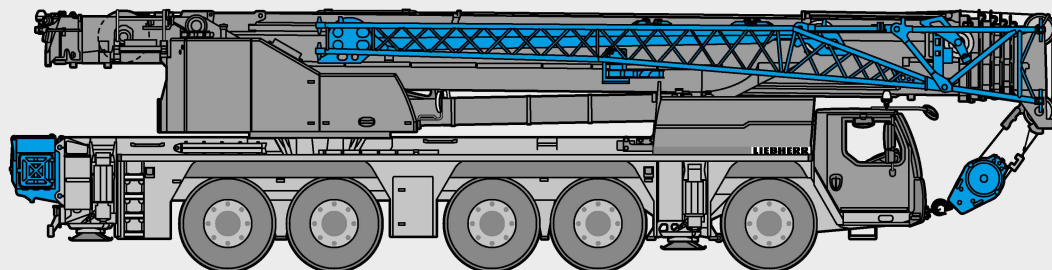


Technically transportable - Transport techniquement simplifié

Axle/Essieu

Axle Essieu	1	2	3	4	5	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	26400	132000 ¹⁾

¹⁾ with double swing away jib, 3-sheave hook block, 2205 lbs lifting tackle - avec fléchette pliante double, moufle à crochet à trois poulies, accessoires de levage de 2205 lbs

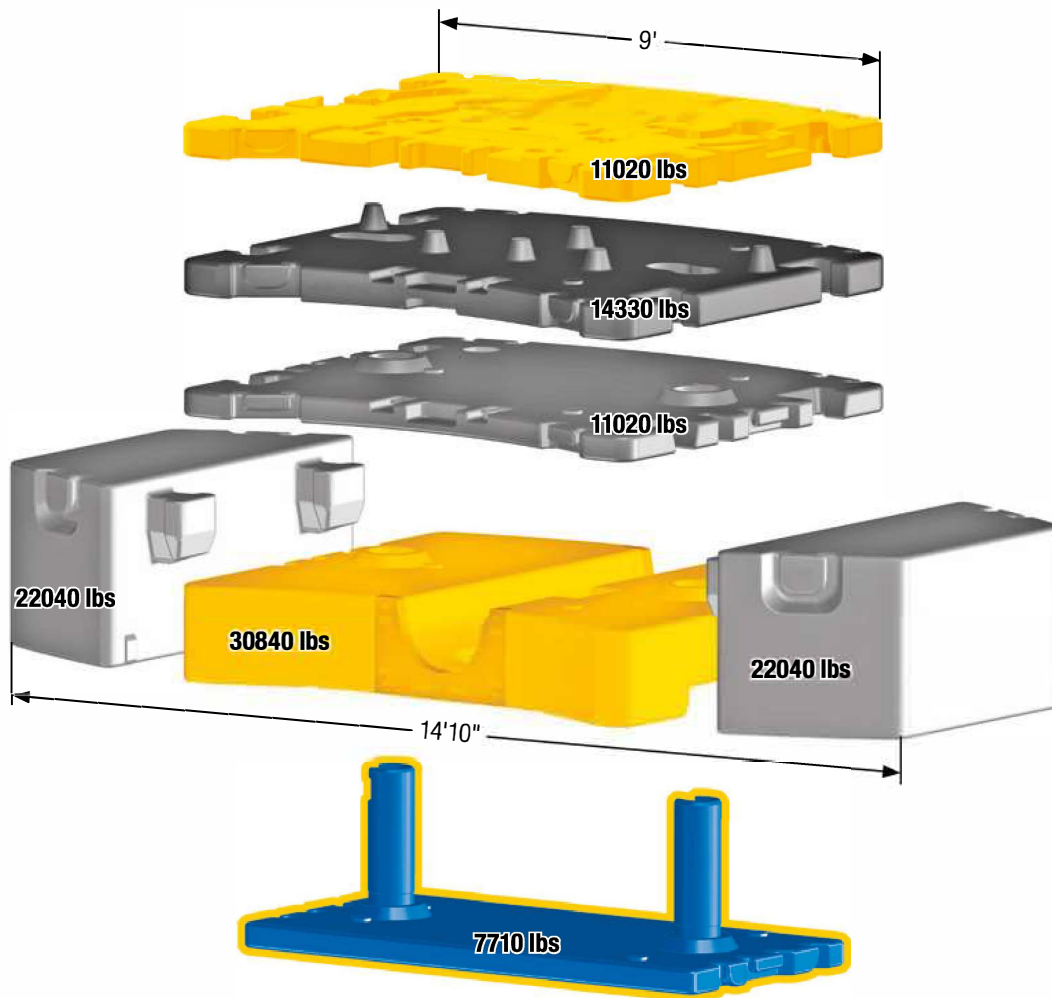
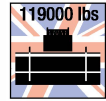




TRANSPORTATION SPECS - All Terrain Cranes

LIEBHERR MODEL LTM 1160-5.2 - 190 TON CAPACITY

UK Counterweight - Option Contrepoids

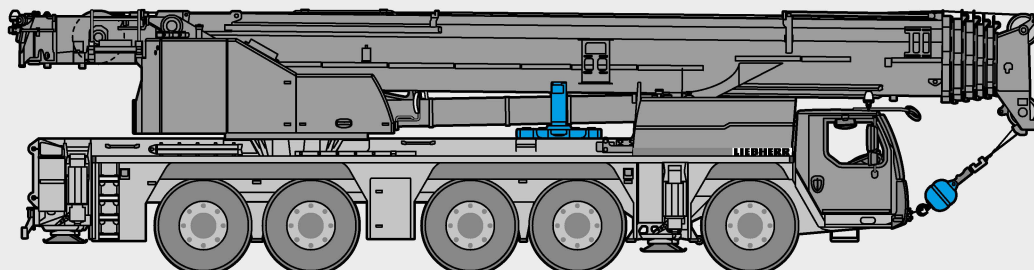


Technically transportable - Transport techniquement simplifié

Axle/Essieu

Axle Essieu	1	2	3	4	5	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	26400	132000 ¹⁾

¹⁾ with hook block and 7710 lbs counterweight - avec crochet de levage et 7710 lbs contrepoids





TRANSPORTATION SPECS - All Terrain Cranes

LIEBHERR MODEL LTM 1160-5.2 - 190 TON CAPACITY

Equipment Equipment

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel, make Liebherr, watercooled, output 400 kW (544 h.p.), max. torque 1855 lbs-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 198 gallons.
Transmission	ZF 12-speed gear box with automatic control system. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
Axles	Low maintenance carrier axles, all 5 axles steered. Axle 2, 4 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 4 with longitudinal differential lock.
Suspension	All axles are mounted on hydropneumatic suspension – "Niveaumatik suspension" and are lockable hydraulically.
Tyres	10 tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), intarder in gearbox. Hand brake: Spring-loaded, acting on all wheels of axles 2 to 5.
Driver's cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane drive	Mechanical drive of the crane hydraulic from the chassis. Variable axial piston pumps with servo control and power regulation.
Control	Electric „Load Sensing“ control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with pilot-controlled brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear inversible from released to locked as standard feature.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switch, safety valves to prevent pipe and hose ruptures.
Telescopic boom	1 base section and 5 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 43 ft to 203 ft.
Counterweight	74920 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC.

Operating modes

K	Special swing-away jib 9.5 ft Double swing-away jib 35 ft – 131 ft Adjustment 0°, 20°, 40°
NZK	Hydraulically adjustable swing-away jib 35 ft – 131 ft Hydraulically adjustment 0° – 40°
V	Telescopic boom extension 3 x 23 ft

Additional equipment

2nd hoist gear	For two-hook operation.
Tyres	10 tyres, size 525/80 R 25 (20.5 R 25).
Drive 10 x 8	Additional drive of the 1 st axle.
Additional counterweight	44080 lbs for a total counterweight of 119000 lbs.

Other items of equipment available on request.



Description of symbols Explication des symboles

General symbols/Symboles généraux



Outriggers
Calage



Axle
Essieu



Radius
Portée



Boom length
Longueur de la flèche



Boom position
Position de la flèche



Counterweight
Contrepoids



Counterweight radius
Rayon de contrepoids



Tyres
Pneumatiques



Slewing gear / Working area
Mécanisme d'orientation / Plage de travail



Standard
Norme



Driving speed
Vitesse de translation



Driving speed – Onroad gear
Vitesse de translation – Vitesse de route



Driving speed – Crawl speed
Vitesse de translation – Marche lente



Transmission
Boîte de vitesse



Gear
Vitesse



Hookblock / Capacity
Moufle à crochet / Capacité de charge



Hoist gear
Treuil de levage



Crane carrier
Châssis porteur



Crane superstructure
Partie tournante de la grue



Gradability
Aptitude à gravir les pentes

Crane specific symbols/Symboles spécifiques à la grue



Telescopic boom
Flèche télescopique



Telescopic boom extension
Rallonge flèche télescopique



Assembly jib
Fléchette de montage



Hydraulic swing away jib
Fléchette pliante hydraulique