

## DIECI











F7000

GENERAL INFORMATION											
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Concrete yield	1,7 m <sup>3</sup> (60 ft <sup>3</sup> )	1,7 m <sup>3</sup> (60 ft <sup>3</sup> )	2,5 m <sup>3</sup> (88 ft <sup>3</sup> )	2,5 m <sup>3</sup> (88 ft <sup>3</sup> )	2,5 m <sup>3</sup> (88 ft <sup>3</sup> )	3,5 m³ (124 ft³)	3,5 m <sup>3</sup> (124 ft <sup>3</sup> )	3,5 m <sup>3</sup> (124 ft <sup>3</sup> )	5,0 m³ (177 ft³)	5,0 m³ (177 ft³)	5,0 m <sup>3</sup> (177 ft <sup>3</sup> )
Standard tires	10.5x18"	10.5x18"	12.5x18"	12.5x18"	12.5x18"	405/70x20"	405/70x20"	405/70x20"	405/70x20"	405/70x20"	405/70x20"
Unladen weight	4000 kg (8818 lb)	4000 kg (8818 lb)	5900 kg (13007 lb)	5900 kg (13007 lb)	5900 kg (13007 lb)	6700 kg (14771 lb)	6400 kg (14110 lb)	6700 kg (14771 lb)	7400 kg (16314 lb)	7400 kg (16314 lb)	7400 kg (16314 lb)
Water tank capacity	180 L (47,55 gal)	180 L (47,55 gal)	630 L (166,43 gal)	850 L (224,55 gal)	850 L (224,55 gal)	850 L (224,55 gal)					
Shovel capa- city	270 L (71,33 gal)	-	500 L (132,09 gal)	-	500 L (132,09 gal)	600 L (158,5 gal)	-	600 L (158,5 gal)	600 L (158,5 gal)	-	600 L (158,5 gal)
Max speed (referred to wheels with maximum permitted diameter)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)	27 km/h (16,8 mph)
Notes	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.	Self-priming water pump.	Self-priming water pump. Loading from hopper.	Self-priming water pump.
ENGINE											
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Brand	Lombardini	Lombardini	Kubota	Kubota	Kubota	Kubota	Kubota	Kubota	FPT	FPT	FPT
Nominal power	36,6 kW (49 HP)	36,6 kW (49 HP)	83,5 kW (112 HP)	96 kW (129 HP)	96 kW (129 HP)	96 kW (129 HP)					
@rpm	3000 rpm	3000 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm	2200 rpm	2200 rpm	2200 rpm
Operation	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke	4-stroke
Injection  Number and	Mechanical direct 4, Vertical in	Mechanical direct 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in	Electronic, Common Rail 4, Vertical in
arrangement of cylinders	line	line	line	line	line	line	line	line	line	line	line
Displacement	(134 in <sup>3</sup> )	2199 cm <sup>3</sup> (134 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	4485 cm <sup>3</sup> (274 in <sup>3</sup> )	4485 cm <sup>3</sup> (274 in <sup>3</sup> )	4485 cm <sup>3</sup> (274 in <sup>3</sup> )
Consumption		-	231 g/kWh (380 lb/Hp h)	208 g/kWh (342,16 lb/Hp h)	208 g/kWh (342,16 lb/Hp h)	208 g/kWh (342,16 lb/Hp h)					
@rpm Emission standards	- Stage IIIA/ Tier 3	- Stage IIIA/Tier 3	2600 rpm Stage IIIB/Tier 4i	1900 rpm Stage IIIB/Tier 4i	1900 rpm Stage IIIB/Tier 4i	1900 rpm Stage IIIB/Tier 4i					
Cooling sys- tem	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Intake	Natural	Natural	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler	16-valve turbo com- pressor, after- cooler	16-valve turbo com- pressor, after- cooler	16-valve turbo com- pressor, after- cooler
Air Filter	-	-	Air pre-heat- ing, air self- cleaning pre- filter and fuel pre-filter	Air pre-heat- ing and fuel pre-filter	Air pre-heat- ing and fuel pre-filter	Air pre-heat- ing and fuel pre-filter					
TRANSMIS	SION										
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Transmission type	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump	Hydrostatic with variable displacement pump	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump	Hydrostatic with variable displacement pump					
Reversal	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic	Electro-Hy- draulic
Transmission gearbox	Servocon- trolled 2- speed	Servocon- trolled 2- speed	Servo-con- trolled 2- speed	Servo-con- trolled 2- speed	Servo-con- trolled 2- speed	Servo-con- trolled 2- speed	Servo-con- trolled 2- speed	Servo-con- trolled 2- speed	Servocon- trolled 2- speed	Servocon- trolled 2- speed	Servo-con- trolled 2- speed
Inching	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement	With hy- draulic pedal for controlled forward movement
Hydraulic motor	Hydrostatic with 2 speeds and electric selection	Hydrostatic with 2 speeds and electric selection	Hydrostatic with continu- ous auto- matic adjust- ment	Hydrostatic with continu- ous auto- matic adjust- ment	Hydrostatic with continu- ous auto- matic adjust- ment	Hydrostatic with continu- ous auto- matic adjust- ment					

DIFFERENT	TIAL AXLES										
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Axles type	2 steering, with 4 planet- ary reduction gears	2 steering, with 4 planet- ary reduction gears	2 steering, with 4 epicyc- loidal reduc- tion gears	2 steering, with 4 epicyc- loidal reduc- tion gears	2 steering, with 4 epicyc- loidal reduc- tion gears	2 steering, with 4 planet- ary reduction gears	2 steering, with 4 planet- ary reduction gears	2 steering, with 4 epicyc loidal reduc- tion gears			
Type of steer- ing	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
Front axle	Swinging	Swinging	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking	Swinging, self-locking
Rear axle	Self-locking	Self-locking	-	-	-	-	-	-	-	-	-
Service brak- ing	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath on front and rear axle	Oil bath with servo brake on front and rear axle	Oil bath with servo brake on front and rear axle	Oil bath with servo brake on front and rear axle
Parking brak- ing	Acting on the rear axle	Acting on the rear axle	Acting on the rear axle	Acting on the rear axle	Acting on the rear axle	Acting on the rear axle	Acting on the rear axle	Acting on the rear axle	Acting on the front axle	Acting on the front axle	Acting on the front axle
HYDRAULI	IC SYSTEM	AND MIXIN	IG DRUM								
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Drum general information	Drum lifting to facilitate unloading. Open-loop gear pump with drum ro- tation speed controller.	Drum lifting to facilitate unloading. Open-loop gear pump with drum ro- tation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Openloop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Openloop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Openloop gear pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Closed-loop axial piston pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Closed-loop axial piston pump with drum rotation speed controller.	Drum lifting to facilitate unloading. Trilateral unloading by rotation over the fifth wheel. Closed-loop axial piston pump with drum rotation speed controller.	Rear front ex- haust. Closed- loop axial pis- ton pump with drum ro- tation speed controller.	Rear front ex- haust. Closed-loop axial piston pump with drum rota- tion speed controller.	Rear front exhaust. Closed-loop axial piston pump with drum rota- tion speed controller.
Gearbox	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor	Coaxial hy- draulic gear motor
CAB											
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Cab description	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.	Reversible driving seat, adjustable seat with seat belts, front and rear win- dows, 2 win- dow wipers.
Cab instrumentation	Fuel level gauge, oil and water tem- perature in- dicator light, battery charge indic- ator light, hour meter.	Fuel level gauge, oil and water temperature indicator light, battery charge indic- ator light, hour meter.	Fuel level gauge, oil and water temperature indicator light, battery charge indic- ator light, hour meter.	Fuel level indicator, oil and water temperature indicator light, battery charge indicator light, hour meter.	Fuel level gauge, oil and water temperature indicator light, battery charge indic- ator light, hour meter.	Fuel level indicator, oil and water temperature indicator light, battery charge indicator light, hour meter.	Fuel level gauge, oil and water temperature indicator light, battery charge indic- ator light, hour meter.	Fuel level gauge, oil and water tem- perature in- dicator light, battery charge indic- ator light, hour meter.	Fuel level gauge, oil and water tem- perature in- dicator light, battery charge indic- ator light, hour meter.	Fuel level gauge, oil and water temperature indicator light, battery charge indic- ator light, hour meter.	Fuel level gauge, oil and water temperature indicator light, battery charge indic- ator light, hour meter. ROPS - FOPS
Cab approval	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	charge indic- ator light,	cha ato	arge indic- or light,

DIMENSI											
Machine model	AB N 2400	AB N 2400 T	AB L 3500	AB L 3500 T	AB L 3500 CCS	AB L 4700	AB L 4700 T	AB L 4700 CCS	AB F 7000	AB F 7000 T	AB F 7000 CCS
Α	330 mm (13	330 mm (13	340 mm (13,4	340 mm (13,4	340 mm (13,4	390 mm (15,4	390 mm (15,4	390 mm (15,4	435 mm (17,1	435 mm (17,1	435 mm (17,1
	in)	in)	in)	in)	in)	in)	in)	in)	in)	in)	in)
В	980 mm (38,6	980 mm (38,6	1380 mm	1380 mm	1380 mm	1380 mm	1380 mm	1380 mm	1215 mm	1215 mm	1215 mm
	in)	in)	(54,3 in)	(54,3 in)	(54,3 in)	(54,3 in)	(54,3 in)	(54,3 in)	(47,8 in)	(47,8 in)	(47,8 in)
B1	3225 mm (127 in)	-	3550 mm (139,8 in)	-	3550 mm (139,8 in)	3860 mm (152 in)	-	3860 mm (152 in)	3880 mm (152,8 in)	-	3880 mm (152,8 in)
C	2250 mm	2250 mm	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm	3210 mm	3210 mm	3210 mm
	(88,6 in)	(88,6 in)	(98,4 in)	(98,4 in)	(98,4 in)	(98,4 in)	(98,4 in)	(98,4 in)	(126,4 in)	(126,4 in)	(126,4 in)
C1	5730 mm (225,6 in)	-	6230 mm (245,3 in)	-	6230 mm (245,3 in)	6660 mm (262,2 in)	-	6660 mm (262,2 in)	7490 mm (294,9 in)	-	7490 mm (294,9 in)
D	1270 mm (50	1170 mm	1150 mm	1170 mm	1150 mm	1640 mm	1410 mm	1640 mm	2050 mm	1675 mm	2050 mm
	in)	(46,1 in)	(45,3 in)	(46,1 in)	(45,3 in)	(64,6 in)	(55,5 in)	(64,6 in)	(80,7 in)	(65,9 in)	(80,7 in)
D1	2620 mm	2590 mm	2900 mm	2900 mm	2900 mm	3170 mm	3170 mm	3170 mm	3070 mm	3070 mm	3070 mm
	(103,1 in)	(102 in)	(114,2 in)	(114,2 in)	(114,2 in)	(124,8 in)	(124,8 in)	(124,8 in)	(120,9 in)	(120,9 in)	(120,9 in)
E1	-	-	3885 mm (153 in)	3885 mm (153 in)	3885 mm (153 in)	4110 mm (161,8 in)	4110 mm (161,8 in)	4110 mm (161,8 in)	4020 mm (158,3 in)	4020 mm (158,3 in)	4020 mm (158,3 in)
F1	3700 mm	3700 mm	5340 mm	5340 mm	5340 mm	5590 mm	5340 mm	5590 mm	6450 mm	6120 mm	6450 mm
	(145,7 in)	(145,7 in)	(210,2 in)	(210,2 in)	(210,2 in)	(220,1 in)	(210,2 in)	(220,1 in)	(253,9 in)	(240,9 in)	(253,9 in)
G	4495 mm	4400 mm	5030 mm	4955 mm	5030 mm	5520 mm	5290 mm	5520 mm	6475 mm	6100 mm	6475 mm
	(177 in)	(173,2 in)	(198 in)	(195,1 in)	(198 in)	(217,3 in)	(208,3 in)	(217,3 in)	(254,9 in)	(240,2 in)	(254,9 in)
Н	2755 mm	2755 mm	2915 mm	2915 mm	2915 mm	2940 mm	2940 mm	2940 mm	3075 mm	3075 mm	3075 mm
	(108,5 in)	(108,5 in)	(114,8 in)	(114,8 in)	(114,8 in)	(115,7 in)	(115,7 in)	(115,7 in)	(121,1 in)	(121,1 in)	(121,1 in)
I	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)	(39,4 in)
L	1660 mm	1660 mm	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm	1920 mm	1920 mm	1920 mm
	(65,4 in)	(65,4 in)	(78,7 in)	(78,7 in)	(78,7 in)	(78,7 in)	(78,7 in)	(78,7 in)	(75,6 in)	(75,6 in)	(75,6 in)
M	1960 mm	1960 mm	2370 mm	2370 mm	2370 mm	2400 mm	2400 mm	2400 mm	2370 mm	2370 mm	2370 mm
	(77,2 in)	(77,2 in)	(93,3 in)	(93,3 in)	(93,3 in)	(94,5 in)	(94,5 in)	(94,5 in)	(93,3 in)	(93,3 in)	(93,3 in)
<b>&gt;</b>	1630 mm	1630 mm	3030 mm	3030 mm	3030 mm	3000 mm	3000 mm	3000 mm	3750 mm	3750 mm	3750 mm
	(64,2 in)	(64,2 in)	(119,3 in)	(119,3 in)	(119,3 in)	(118,1 in)	(118,1 in)	(118,1 in)	(147,6 in)	(147,6 in)	(147,6 in)
Q	3530 mm	3530 mm	5330 mm	5330 mm	5330 mm	5370 mm	5370 mm	5370 mm	6020 mm	6020 mm	6020 mm
	(139 in)	(139 in)	(209,8 in)	(209,8 in)	(209,8 in)	(211,4 in)	(211,4 in)	(211,4 in)	(237 in)	(237 in)	(237 in)
R	3880 mm	3880 mm	5750 mm	5750 mm	5750 mm	5740 mm	5740 mm	5740 mm	6370 mm	6370 mm	6370 mm
	(152,8 in)	(152,8 in)	(226,4 in)	(226,4 in)	(226,4 in)	(226 in)	(226 in)	(226 in)	(250,8 in)	(250,8 in)	(250,8 in)
U	1950 mm	1950 mm	2310 mm	2310 mm	2310 mm	2310 mm	2310 mm	2310 mm	2310 mm	2310 mm	2310 mm
	(76,8 in)	(76,8 in)	(90,9 in)	(90,9 in)	(90,9 in)	(90,9 in)	(90,9 in)	(90,9 in)	(90,9 in)	(90,9 in)	(90,9 in)
Z	2300 mm	2300 mm	2900 mm	2900 mm	2900 mm	2440 mm	2440 mm	2440 mm	2500 mm	2500 mm	2500 mm
	(90,6 in)	(90,6 in)	(114,2 in)	(114,2 in)	(114,2 in)	(96,1 in)	(96,1 in)	(96,1 in)	(98,4 in)	(98,4 in)	(98,4 in)
Z B C D C1					U 000000000000000000000000000000000000	E1	R	0			EL A
2			DI	±	U 1	E 5		0			