

E-Crane[®] Capacity Charts

2000 Series

Model 18264

Model 16290

Model 15317

Model 14359

Model 17359

Model 13382

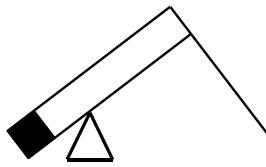
Model 16382

Model 21382

Model 19421

Model 18450





E-Crane[®] Capacity Charts
2000 Series
Model 19421

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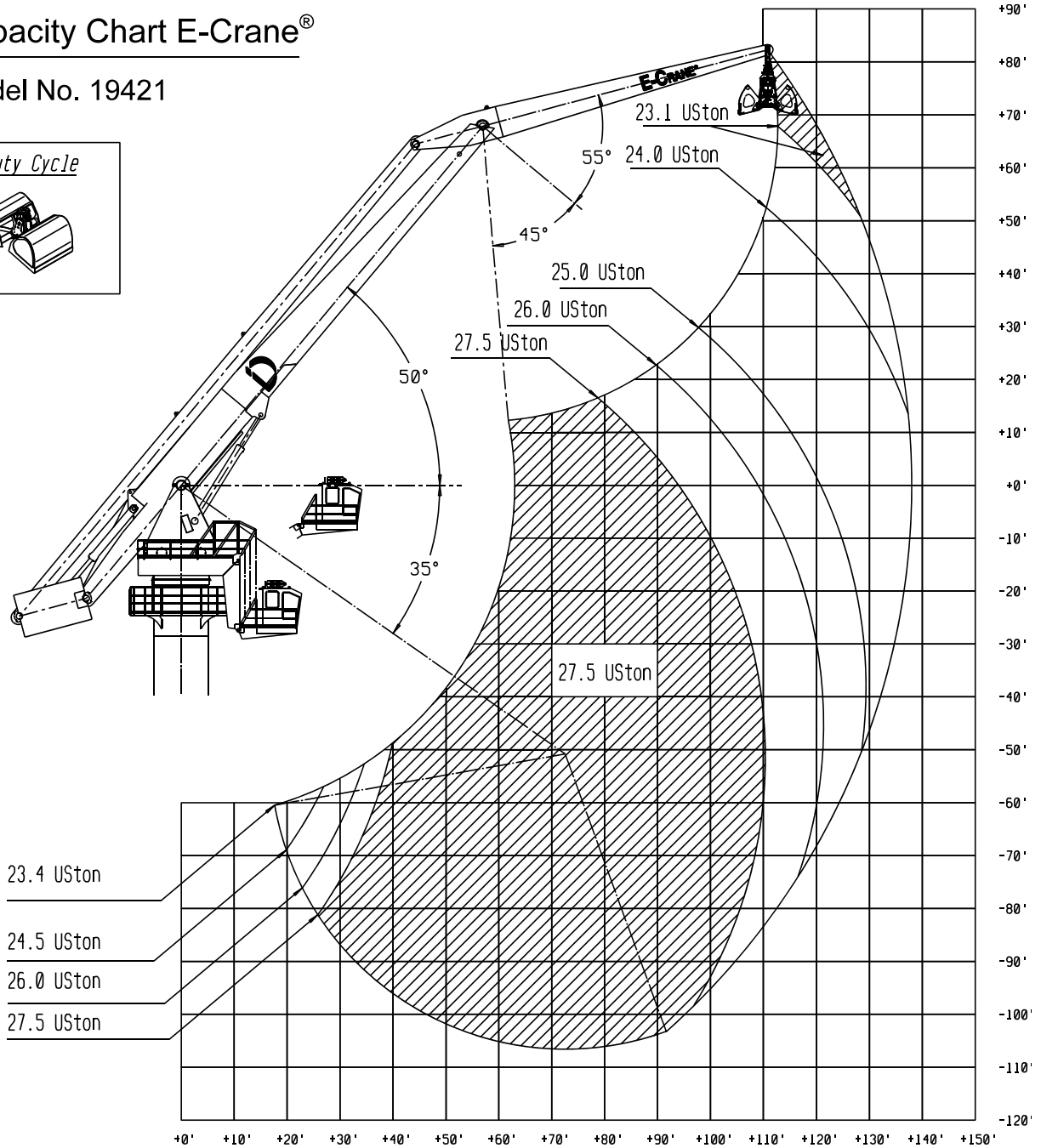
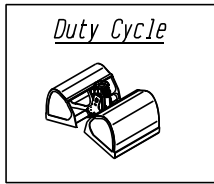


DUTY CYCLE OPERATION

Load Chart (USton/ft)

Capacity Chart E-Crane®

Model No. 19421



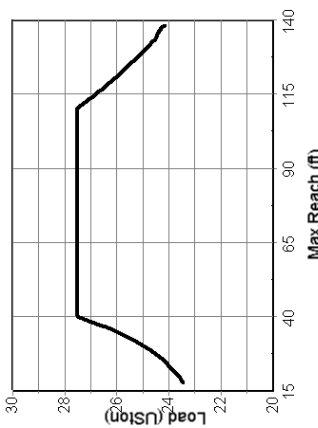
Dwg.: ALI2009-029

Crane Classification: DIN15018 Teil1, H3B5

CAPACITY CHART (USton) / Duty Cycle Operation

E-Crane® 19421

HEIGHT Relative to BOOM- PIN (ft)	REACH (ft)																								
	22	27	32	37	42	47	52	57	62	67	72	77	82	87	92	97	102	107	112	117	122	127	132	137	
70																				23,10					
65																				23,10					
60																				23,16	23,10				
55																				23,71	23,39	23,16			
50																				24,08	23,71	23,33	23,13		
45																				24,16	24,08	23,71	23,27		
40																				24,33	24,24	24,16	24,08	23,53	23,19
35																				24,42	24,33	24,24	24,16	24,08	23,39
30																				24,78	24,52	24,42	24,33	24,24	24,16
25																				25,07	24,78	24,52	24,40	24,31	24,20
20																				25,31	25,07	24,78	24,46	24,38	24,27
15																				26,38	26,06	25,66	25,31	25,00	24,65
10																				26,38	26,85	26,38	26,06	25,66	25,31
5																				27,50	27,36	26,85	26,38	26,06	25,66
0																				27,50	27,50	27,50	27,50	27,50	27,50
-5																				27,50	27,50	27,50	27,50	27,50	27,50
-10																				27,50	27,50	27,50	27,50	27,50	27,50
-15																				27,50	27,50	27,50	27,50	27,50	27,50
-20																				27,50	27,50	27,50	27,50	27,50	27,50
-25																				27,50	27,50	27,50	27,50	27,50	27,50
-30																				27,50	27,50	27,50	27,50	27,50	27,50
-35																				27,50	27,50	27,50	27,50	27,50	27,50
-40																				27,50	27,50	27,50	27,50	27,50	27,50
-45																				27,50	27,50	27,50	27,50	27,50	27,50
-50																				27,50	27,50	27,50	27,50	27,50	27,50
-55																				27,50	27,50	27,50	27,50	27,50	27,50
-60																				27,50	27,50	27,50	27,50	27,50	27,50
-65																				27,50	27,50	27,50	27,50	27,50	27,50
-70																				27,50	27,50	27,50	27,50	27,50	27,50
-75																				27,50	27,50	27,50	27,50	27,50	27,50
-80																				27,50	27,50	27,50	27,50	27,50	27,50
-85																				27,50	27,50	27,50	27,50	27,50	27,50
-90																				27,50	27,50	27,50	27,50	27,50	27,50
-95																				27,50	27,50	27,50	27,50	27,50	27,50
-100																				27,50	27,50	27,50	27,50	27,50	27,50
-105																				27,50	27,50	27,50	27,50	27,50	27,50

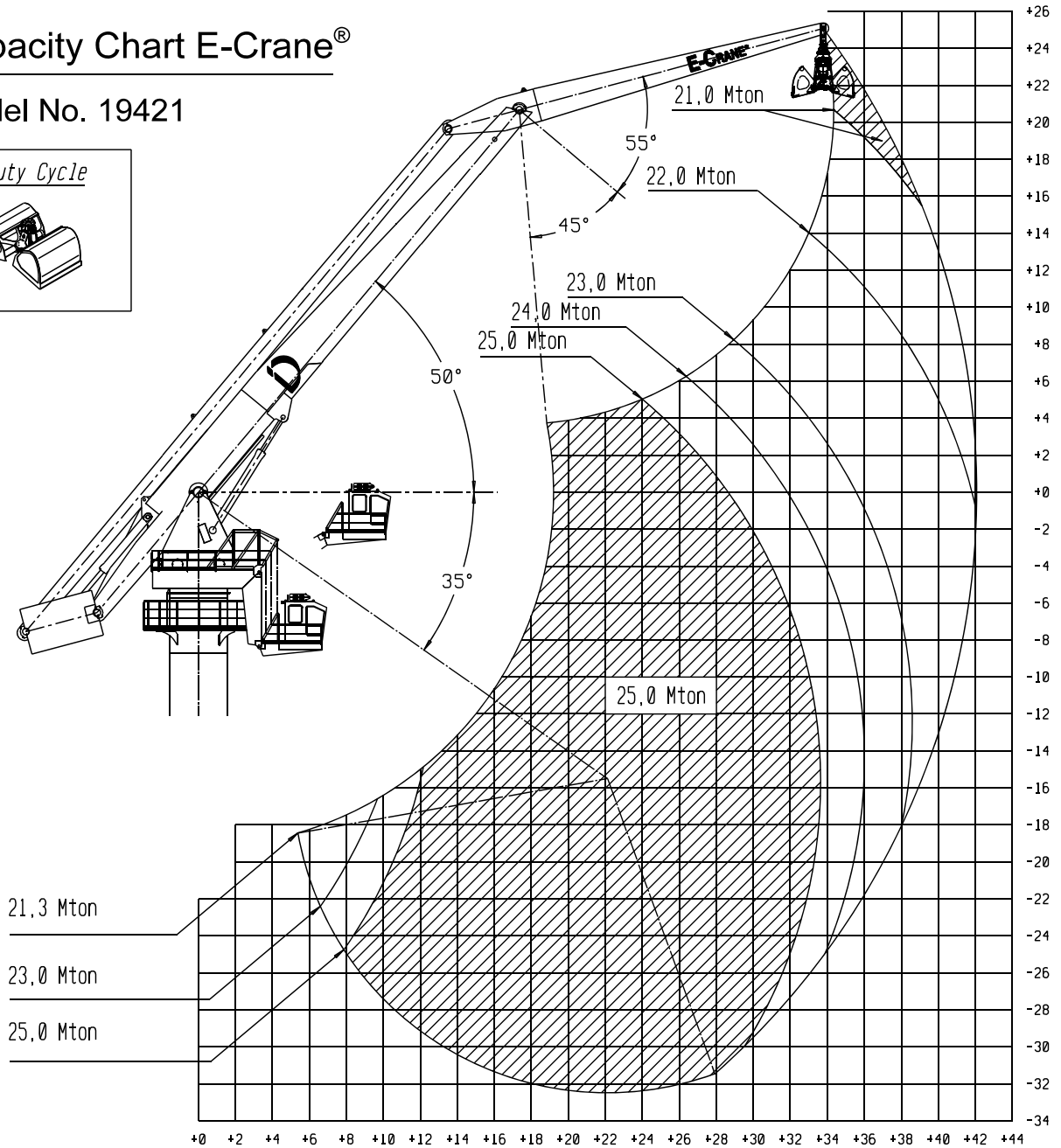
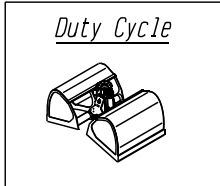


Crane Classification: DIN15018 Teil1, H3B5

Load Chart (Mton/m)

Capacity Chart E-Crane[®]

Model No. 19421



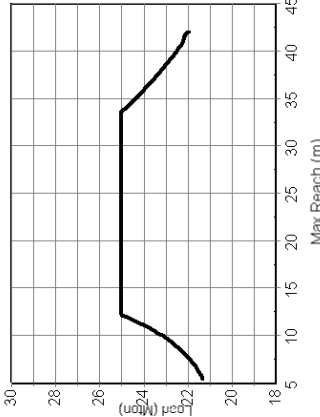
Dwg.: ALI2009-028

Crane Classification: DIN15018 Teil1, H3B5

CAPACITY CHART (Mton) / Duty Cycle Operation

E-Crane® 19421

HEIGHT Relative to BOOM- PIN (m)	REACH (m)																									
	6	7,5	9	10,5	12	13,5	15	16,5	18	19,5	21	22,5	24	25,5	27	28,5	30	31,5	33	34,5	36	37,5	39	40,5	42	
24																										21,00
22,5																										21,00
21																										21,00 21,00
19,5																										21,03 21,00
18																										21,21 21,05 21,00
16,5																										21,55 21,21 21,03
15																										21,89 21,55 21,21 21,01
13,5																										22,02 21,96 21,89 21,47 21,16
12																										22,10 22,04 21,96 21,85 21,39
10,5																										22,29 22,18 22,12 22,02 21,94 21,74 21,21
9																										22,72 22,47 22,22,29 22,18 22,10 22,00 21,91 21,47
7,5																										23,25 23,01 22,72 22,47 22,29 22,16 22,08 21,98 21,85
6																										23,88 23,60 23,25 23,01 22,72 22,47 22,24 22,14 22,04 21,92
4,5																										25,00 24,75 24,30 23,88 23,60 23,25 22,94 22,66 22,41 22,20 22,10 21,98
3																										25,00 25,00 25,00 25,00 25,00 24,75 24,30 23,88 23,50 23,17 22,86 22,53 22,29 22,16 22,04
1,5																										25,00 25,00 25,00 25,00 25,00 24,63 24,19 23,78 23,42 23,09 22,72 22,41 22,20 22,08 21,94
0																										25,00 25,00 25,00 25,00 25,00 24,52 24,08 23,69 23,25 22,94 22,59 22,24 22,12 21,98
-1,5																										25,00 25,00 25,00 25,00 25,00 24,87 24,41 23,88 23,50 23,09 22,72 22,35 22,16 22,02
-3																										25,00 25,00 25,00 25,00 25,00 24,63 24,08 23,69 23,25 22,86 22,47 22,20
-4,5																										25,00 25,00 25,00 25,00 25,00 24,87 24,41 23,88 23,42 23,01 22,59 22,24
-6																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,52 24,08 23,60 23,09 22,66 22,29
-7,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,75 24,19 23,69 23,17 22,79 22,35
-9																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,87 24,30 23,78 23,25 22,79 22,35
-10,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,41 23,88 23,33 22,86 22,35
-12																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,52 23,98 23,42 22,86
-13,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,63 23,98 23,42 22,86
-15																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,63 23,98 23,42 22,79
-16,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,63 23,98 23,33
-18																										23,78 24,01 24,50 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,52 23,88 23,25
-19,5																										22,21 22,49 23,36 24,76 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,41 23,78
-21																										22,99 24,01 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,30 23,60
-22,5																										23,57 24,76 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,87 24,08
-24																										24,25 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,63 23,88
-25,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,30
-27																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 24,75
-28,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00
-30																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00
-31,5																										25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00 25,00



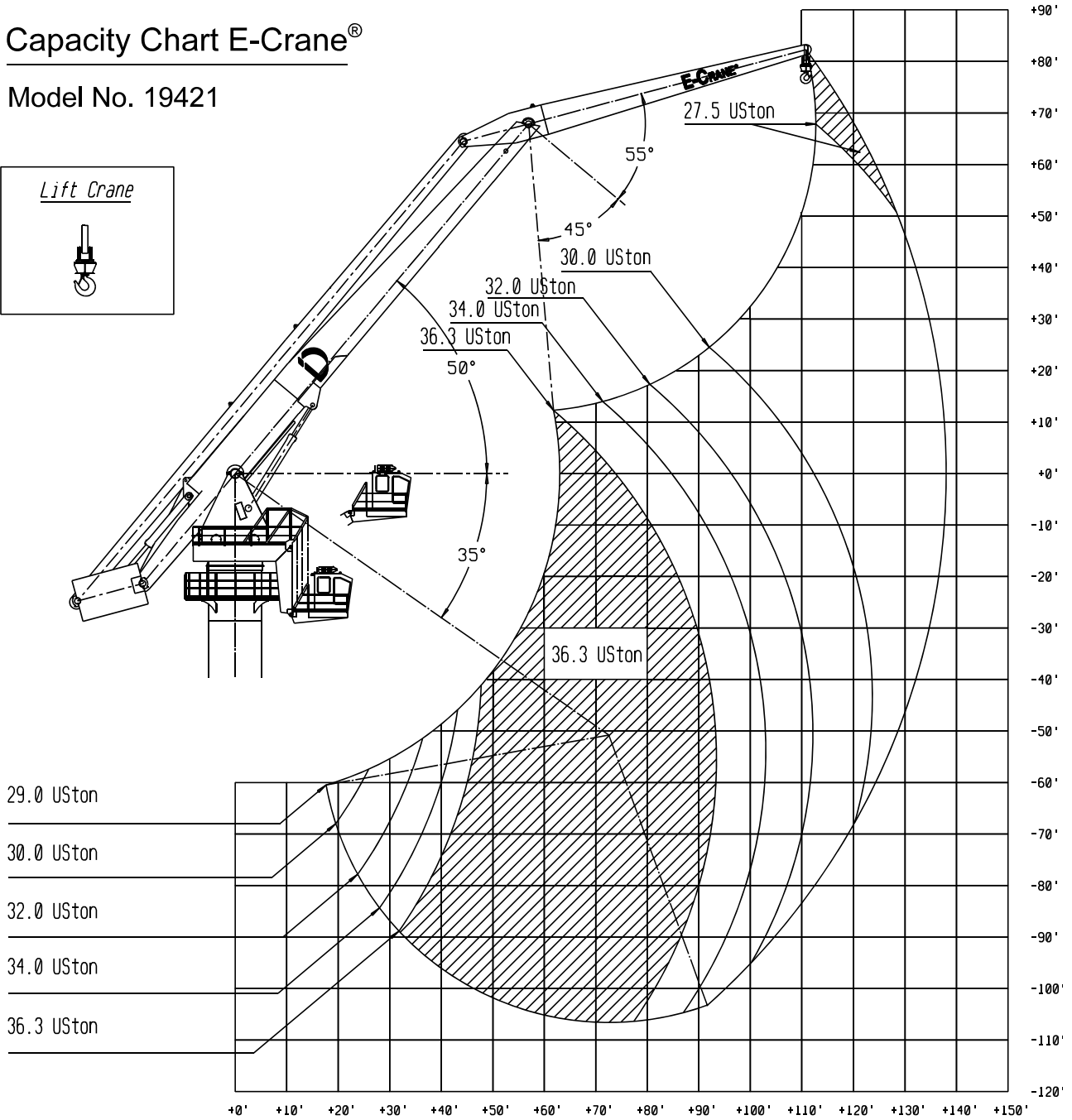
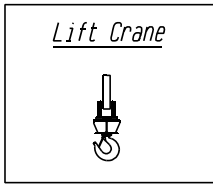
Crane Classification: DIN15018 Teil1, H3B5

LIFT CRANE OPERATION

Load Chart (USton/ft)

Capacity Chart E-Crane[®]

Model No. 19421

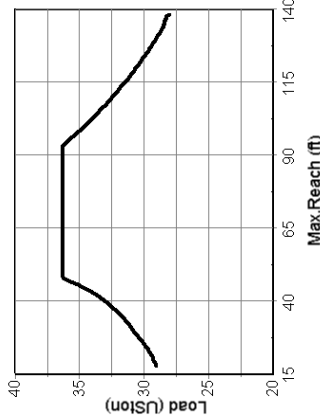


Dwg.: ALI2009-031

Crane Classification: DIN15018 Teil1, H3B4

CAPACITY CHART (USton) / Lift Crane Operation
E-Crane® 19421

HEIGHT Relative to BOOM- PIN (ft)	REACH (ft)																								
	22	27	32	37	42	47	52	57	62	67	72	77	82	87	92	97	102	107	112	117	122	127	132	137	
70																				27,73					
65																				27,73					
60																				27,75	27,73				
55																				27,88	27,81	27,75			
50																				27,97	27,88	27,79	27,74		
45																				28,07	27,97	27,88	27,78		
40																				28,30	28,18	28,07	27,97	27,84	27,76
35																				28,41	28,30	28,18	28,07	27,92	27,81
30																				28,88	28,54	28,41	28,30	28,16	28,02
25																				29,56	29,25	28,88	28,54	28,39	28,27
20																				30,93	30,52	30,01	29,56	28,88	28,47
15																				32,92	32,92	32,92	32,92	32,92	32,92
10																				35,07	34,60	33,72	32,92	32,02	31,37
5																				36,07	35,81	34,60	33,72	32,92	32,02
0																				36,30	36,30	35,56	34,37	33,52	32,73
-5																				36,30	36,30	35,31	34,15	33,31	32,37
-10																				36,30	36,30	36,07	34,83	33,72	32,92
-15																				36,30	36,30	36,30	35,56	34,37	33,31
-20																				36,30	36,30	36,30	36,30	36,30	35,31
-25																				36,30	36,30	36,30	36,30	36,30	35,31
-30																				36,30	36,30	36,30	36,30	36,30	35,31
-35																				36,30	36,30	36,30	36,30	36,30	35,31
-40																				36,30	36,30	36,30	36,30	36,30	35,31
-45																				36,30	36,30	36,30	36,30	36,30	35,31
-50																				36,30	36,29	36,30	36,30	36,30	35,31
-55																				36,30	36,30	36,30	36,30	36,30	35,31
-60																				36,30	36,30	36,30	36,30	36,30	35,31
-65																				36,30	36,30	36,30	36,30	36,30	35,31
-70																				36,30	36,30	36,30	36,30	36,30	35,31
-75																				36,30	36,30	36,30	36,30	36,30	35,31
-80																				36,30	36,30	36,30	36,30	36,30	35,31
-85																				36,30	36,30	36,30	36,30	36,30	35,31
-90																				36,30	36,30	36,30	36,30	36,30	35,31
-95																				36,30	36,30	36,30	36,30	36,30	35,31
-100																				36,30	36,30	36,30	36,30	36,30	35,31
-105																				36,30	36,30	36,30	36,30	36,30	35,31

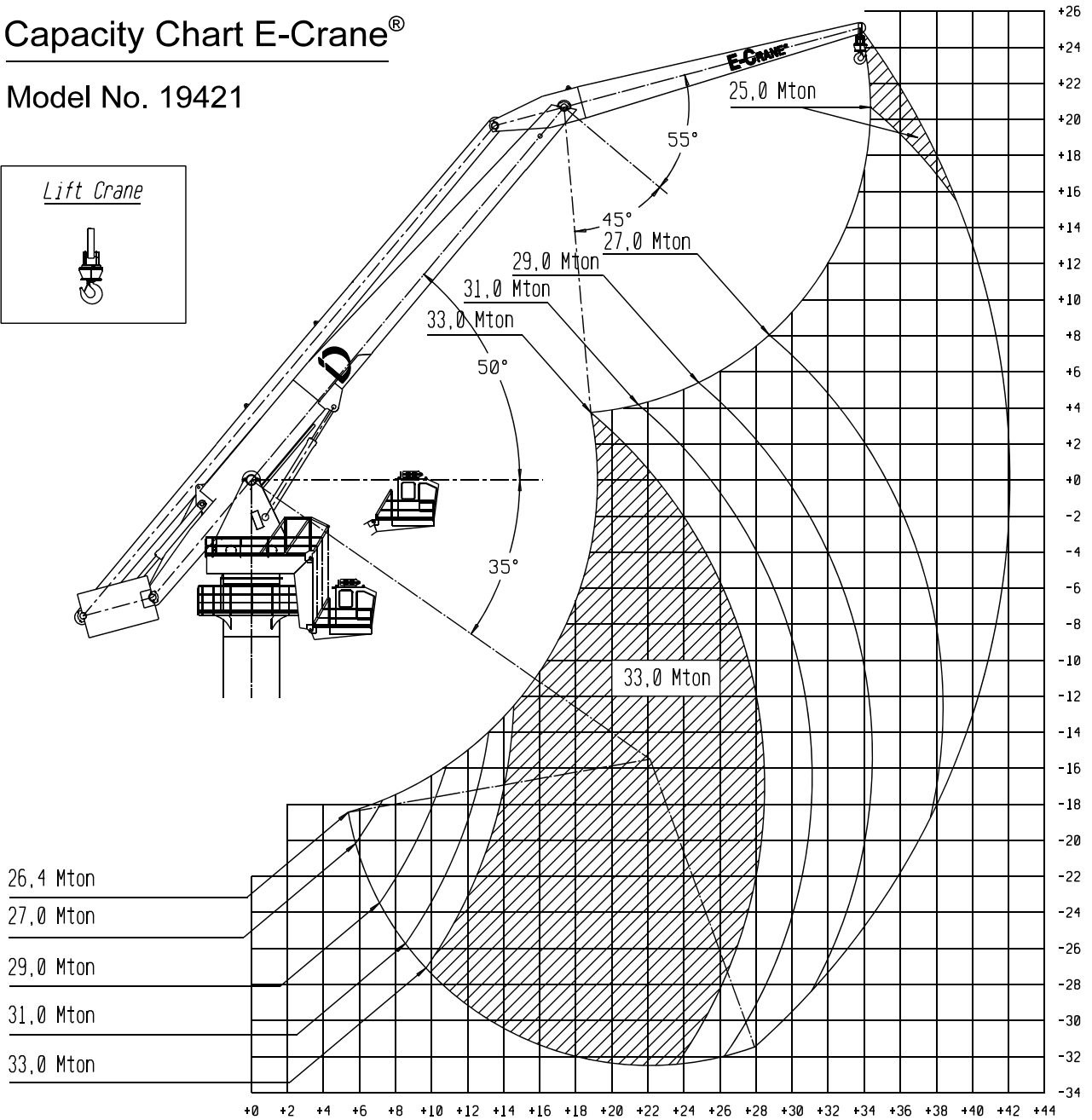
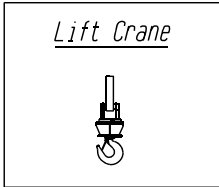


Crane Classification: DIN15018 Teil1, H3B4

Load Chart (Mton/m)

Capacity Chart E-Crane®

Model No. 19421



Dwg.: ALI2009-030

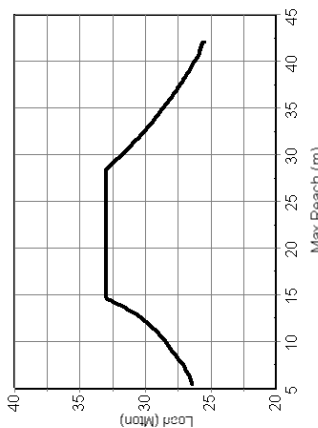
Crane Classification: DIN15018 Teil1, H3B4

CAPACITY CHART (Mton) / Lift Crane Operation

E-Crane® 19421

REACH (m)

HEIGHT Relative to BOOM-PIN (m)	6	7,5	9	10,5	12	13,5	15	16,5	18	19,5	21	22,5	24	25,5	27	28,5	30	31,5	33	34,5	36	37,5	39	40,5	42	
24																										
22,5																										
21																										
19,5																										
18																										
16,5																										
15																										
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4,5																										
3																										
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0																										
-1,5																										
-3																										
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-6																										
-7,5																										
-9																										
-10,5																										
-12																										
-13,5																										
-15																										
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-18																										
-19,5																										
-21																										
-22,5																										
-24																										
-25,5																										
-27																										
-28,5																										
-30																										
-31,5																										



Crane Classification: DIN15018 Teil1, H3B4

SPECIFICATIONS

	Specifications English (**)	Specifications Metric (**)
Operating Range:		
Minimum Outreach Range (from centerline of rotation)	17'-7.5/8"	5,375 m
Maximum Outreach (from centerline of rotation)	138'-5/16"	42,071 m
Downreach Range (below main boom pivot point)	106'-7"	32,486 m
Lifting Range (vertical lift)	188'-10.1/2"	57,569 m
Boom Operating Angles (above and below horizontal)	+50°/-35°	+50°/-35°
Stick Operating Angles (befor and after vertical)	+55°/-45°	+55°/-45°
Degrees of Rotation	360° continuous	360° continuous
Power:		
Power Supply	3-Phase 480 Volts AC, 60 Hz	3-Phase, 380 Volts AC, 50 Hz
Electrical Motor	800 hp	600 kW
Hydraulic Pump Output		
Implement	380 gpm	1.440 L/min
Swing	121 gpm	458 L/min
Hydraulic System Relief Setting	3,625 psi	25.000 kPa
Hydraulic Tank Refill Capacity	1056 USgal	4.000 L
Dimensions:		
Boom Length	88'-7"	27 m
Stick Length	55'-9.5/16"	17 m
Total Weight Superstructure^(*)	699,600 lbs	318.000 kg

(*) Operating weight does not include lubricants, hydraulic oil, bucket and operator

(**) Materials and specifications are subject to change without notice.

See your E-Crane[™] dealer for available options.

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