



LIFTING CHARTS - All Terrain Cranes

TEREX MODEL AC700-1 - 800 TON CAPACITY

Overview of standard duty charts

40.0 x 39.4 ft

29.6 x 27.7 ft

Main boom

Main boom	Main boom							
	0 klb 360°	88.2 klb 360°	132.3 klb 360°	176.4 klb 360°	220.5 klb 360°	264.6 klb 360°	308.7 klb 360°	352.8 klb 360°
50.9 ft	x	x	x	x	x	x	x	x
67.3 ft	x	x	x	x	x	x	x	x
83.7 ft	x	x	x	x	x	x	x	x
100.0 ft	x	x	x	x	x	x	x	-
116.5 ft	x	x	x	x	x/4+SSL	x/4+SSL	x/4+SSL	+SSL
132.9 ft	x	x	x	x	x/4+SSL	x/4+SSL	x/4+SSL	+SSL
149.3 ft	x	x	x	x	x/4+SSL	x/4+SSL	x/4+SSL	+SSL
165.7 ft	x	x	x	x	x/4+SSL	x/4+SSL	x/4+SSL	+SSL
182.1 ft	x	x	x	x	x/4+SSL	x/4+SSL	x/4+SSL	+SSL
196.9 ft	x	x	x	x	x/4+SSL	x/4+SSL	x/4+SSL	+SSL

Main boom	Main boom							
	0 klb 360°	88.2 klb 360°	132.3 klb 360°	176.4 klb 360°	220.5 klb 360°	264.6 klb 360°	308.7 klb 360°	352.8 klb 360°
50.9 ft	x	x	x	x	x	-	-	-
67.3 ft	x	x	x	x	x	-	-	-
83.7 ft	x	x	x	x	x	-	-	-
100.0 ft	x	x	x	x	x	-	-	-
116.5 ft	x	x	x	x	x	-	-	-
132.9 ft	x	x	x	x	x	-	-	-
149.3 ft	x	x	x	x	x	-	-	-
165.7 ft	-	x	x	x	x	-	-	-
182.1 ft	-	x	x	x	x	-	-	-
196.9 ft	-	x	x	x	x	-	-	-

40.0 x 39.4 ft

29.6 x 27.7 ft

Lattice extension

Main boom	Extension	Main boom							
		88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb	
196.9 ft	19.7 ft - 0°	SSL 0°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	39.3 ft - 0°	SSL 0°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	59.0 ft - 0°	SSL 0°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	78.7 ft - 0°	SSL 30°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	98.4 ft - 0°	SSL 30°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	118.1 ft - 0°	SSL 30°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	39.3 ft - 20°	SSL 0°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	59.0 ft - 20°	SSL 0°	x	x	x	x/4+SSL	+SSL	+SSL	+SSL
	78.7 ft - 20°		x	x	x	-	-	-	-
	98.4 ft - 20°		x	x	x	-	-	-	-
	118.1 ft - 20°		x	x	x	-	-	-	-
	39.3 ft - 40°	SSL 0°	x	x	x	+SSL	+SSL	-	-
	59.0 ft - 40°	SSL 0°	x	x	x	+SSL	+SSL	-	-
	78.7 ft - 40°		x	x	x	-	-	-	-
	98.4 ft - 40°		x	x	x	-	-	-	-
118.1 ft - 40°		x	x	x	-	-	-	-	

Main boom	Extension	Main boom							
		88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb	
196.9 ft	19.7 ft - 0°		x	x	x	x	-	-	-
	39.3 ft - 0°/20°		x	x	x	x	-	-	-
	59.0 ft - 0°/20°		x	x	x	x	-	-	-
	78.7 ft - 0°/20°		x	x	x	x	-	-	-
	98.4 ft - 0°/20°		x	x	x	x	-	-	-
	118.1 ft - 0°/20°		x	x	x	x	-	-	-
	39.3 ft - 40°		x	x	x	x	-	-	-
	59.0 ft - 40°		x	x	x	x	-	-	-
	78.7 ft - 40°		x	x	x	x	-	-	-
	98.4 ft - 40°		x	x	x	x	-	-	-
118.1 ft - 40°		x	x	x	x	-	-	-	

* SSL 0° + 30°

40.0 x 39.4 ft

Fixed fly jib

Main boom	Jib	Main boom							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
165.7 ft	65.6 ft - 0°			x	x	x	x	-	-
	65.6 ft - 20°			-	-	-	-	-	-
	65.6 ft - 40°			-	-	-	-	-	-
	85.3 ft - 0°			x	x	x	x	-	-
	85.3 ft - 20°			x	x	x	x	-	-
	85.3 ft - 40°			x	x	x	-	-	-
	105.0 ft - 0°			x	x	x	x	-	-
	105.0 ft - 20°			x	x	x	x	-	-
	105.0 ft - 40°			x	x	x	-	-	-
	124.7 ft - 0°			x	x	x	x	-	-
	124.7 ft - 20°			x	x	x	x	-	-
	124.7 ft - 40°			x	x	x	-	-	-
	144.4 ft - 0°			x	x	x	x	-	-
	144.4 ft - 20°			x	x	x	x	-	-
	144.4 ft - 40°			x	x	x	-	-	-
	164.0 ft - 0°			x	x	x	x	-	-
	164.0 ft - 20°			x	x	x	x	-	-
164.0 ft - 40°			x	x	x	-	-	-	

Jib	Main boom							
	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb	220.5/264.6/308.7/352.8 klb	
165.7 ft	65.6 ft - 0°	x	x	x/4+SSL	x/4+SSL	+SSL	+SSL	+SSL
	65.6 ft - 20°	-	-	-	-	-	-	-
	65.6 ft - 40°	-	-	-	-	-	-	-
	85.3 ft - 0°	x	x	x/4+SSL	x/4+SSL	+SSL	+SSL	+SSL
	85.3 ft - 20°	x	x	x/4+SSL	x/4+SSL	+SSL	-	-
	85.3 ft - 40°	x	x	x/4+SSL	+SSL	-	-	-
	105.0 ft - 0°	x	x	x/4+SSL	x/4+SSL	+SSL	+SSL	+SSL
	105.0 ft - 20°	x	x	x/4+SSL	x/4+SSL	+SSL	-	-
	105.0 ft - 40°	x	x	x/4+SSL	+SSL	-	-	-
	124.7 ft - 0°	x	x	x/4+SSL	x/4+SSL	+SSL	+SSL	+SSL
	124.7 ft - 20°	x	x	x/4+SSL	x/4+SSL	+SSL	-	-
	124.7 ft - 40°	x	x	x/4+SSL	+SSL	-	-	-
	144.4 ft - 0°	x	x	x/4+SSL	x/4+SSL	+SSL	+SSL	+SSL
	144.4 ft - 20°	x	x	x/4+SSL	x/4+SSL	+SSL	-	-
	144.4 ft - 40°	x	x	x/4+SSL	+SSL	-	-	-
	164.0 ft - 0°	x	x	x/4+SSL	x/4+SSL	+SSL	+SSL	+SSL
	164.0 ft - 20°	x	x	x/4+SSL	x/4+SSL	+SSL	-	-
164.0 ft - 40°	x	x	x/4+SSL	+SSL	-	-	-	

29.6 x 27.7 ft

Luffing fly jib

Main boom	Jib	Main boom							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
50.9 ft + 13.1 ft*	78.7 ft	-	-	x	x	x	-	-	-
	98.4 ft	-	-	x	x	x	-	-	-
	118.1 ft	-	-	x	x	x	-	-	-
	137.8 ft	-	-	x	x	x	-	-	-
	157.5 ft	-	-	x	x	x	-	-	-
	177.2 ft	-	-	x	x	x	-	-	-
	196.9 ft	-	-	x	x	x	-	-	-
	216.5 ft	-	-	x	x	x	-	-	-
	236.2 ft	-	-	x	x	x	-	-	-
	255.9 ft	-	-	x	x	x	-	-	-
	275.6 ft	-	-	-	x	x	-	-	-
	295.3 ft	-	-	-	x	x	-	-	-
	315.0 ft	-	-	-	-	x	-	-	-

Main boom	Jib	Main boom							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
165.7 ft + 13.1 ft*	78.7 ft	-	-	x	x	x	-	-	-
	98.4 ft	-	-	x	x	x	-	-	-
	118.1 ft	-	-	x	x	x	-	-	-
	137.8 ft	-	-	x	x	x	-	-	-
	157.5 ft	-	-	x	x	x	-	-	-
	177.2 ft	-	-	x	x	x	-	-	-
	196.9 ft	-	-	x	x	x	-	-	-
	216.5 ft	-	-	x	x	x	-	-	-
	236.2 ft	-	-	x	x	x	-	-	-
	255.9 ft	-	-	-	x	x	-	-	-
	275.6 ft	-	-	-	-	x	x	-	-
	295.3 ft	-	-	-	-	-	x	x	-
	315.0 ft	-	-	-	-	-	-	-	-

* adapter

STERLING CRANE

Overview of standard duty charts

 40.0 x 39.4 ft

Luffing fly jib

Main boom	Jib	83°/73°/65°							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
50.9 ft + 13.1 ft* 67.3 ft + 13.1 ft* 83.7 ft + 13.1 ft* 100.0 ft + 13.1 ft*	78.7 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	98.4 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	118.1 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	137.8 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	157.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	177.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	196.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	216.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	236.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	255.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	275.6 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
295.3 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x	
315.0 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x	

Main boom	Jib	83°/73°/65°							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
165.7 ft + 13.1 ft*	78.7 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	98.4 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	118.1 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	137.8 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	157.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	177.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	196.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	216.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	236.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	255.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
	275.6 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x
295.3 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x	
315.0 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	x/x/x	

Main boom	Jib	83°/73°/65°							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
132.9 ft + 13.1 ft*	78.7 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	98.4 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	118.1 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	137.8 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	157.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	177.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	196.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	216.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	236.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	255.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	275.6 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
295.3 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-	
315.0 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-	

Main boom	Jib	83°/73°/65°							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
182.1 ft + 13.1 ft*	78.7 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	98.4 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	118.1 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	137.8 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	157.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	177.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	196.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	216.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	236.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	255.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
	275.6 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-
295.3 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-	
315.0 ft	-	-	x/-	x/-	x/x/x	x/x/x	x/x/x	-	

Main boom	Jib	83°/73°/65°							
		0 klb	88.2 klb	132.3 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
149.3 ft + 13.1 ft*	78.7 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	98.4 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	118.1 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	137.8 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	157.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	177.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	196.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	216.5 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	236.2 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	255.9 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
	275.6 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-
295.3 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-	
315.0 ft	-	-	x/-	x/-	x/x/x	x/x/x	-	-	

 40.0 x 39.4 ft

Luffing fly jib + SSL

Jib	Main boom / SSL 0°							
	116.5 ft + 13.1 ft* / 149.3 ft + 13.1 ft*				182.1 ft + 13.1 ft*			
	220.5 klb	264.6 klb	308.7 klb	352.8 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
98.4 ft	x	x	x	x	x	x	x	x
118.1 ft	x	x	x	x	x	x	x	x
137.8 ft	x	x	x	x	x	x	x	x
157.5 ft	x	x	x	x	x	x	x	x
177.2 ft	x	x	x	x	x	x	x	x
196.9 ft	x	x	x	x	x	x	x	x
216.5 ft	x	x	x	x	x	x	x	x
236.2 ft	x	x	x	x	x	x	x	x
255.9 ft	x	x	x	x	x	x	x	x
275.6 ft	x	x	x	x	-	-	-	-
295.3 ft	x	x	x	x	-	-	-	-
315.0 ft	-	-	-	-	-	-	-	-

Jib	Main boom / SSL 60°									
	116.5 ft + 13.1 ft* / 132.9 ft + 13.1 ft* / 149.3 ft + 13.1 ft*				165.7 ft + 13.1 ft* / 182.1 ft + 13.1 ft*					
	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb	176.4 klb	220.5 klb	264.6 klb	308.7 klb	352.8 klb
98.4 ft	x	x	x	x	x	x	x	x	x	x
118.1 ft	x	x	x	x	x	x	x	x	x	x
137.8 ft	x	x	x	x	x	x	x	x	x	x
157.5 ft	x	x	x	x	x	x	x	x	x	x
177.2 ft	x	x	x	x	x	x	x	x	x	x
196.9 ft	x	x	x	x	x	x	x	x	x	x
216.5 ft	x	x	x	x	x	x	x	x	x	x
236.2 ft	x	x	x	x	x	x	x	x	x	x
255.9 ft	x	x	x	x	x	x	x	x	x	x
275.6 ft	x	x	x	x	x	x	x	x	x	x
295.3 ft	x	x	x	x	x	x	x	x	x	x
315.0 ft	x	x	x	x	x	-	-	-	-	-

* adapter