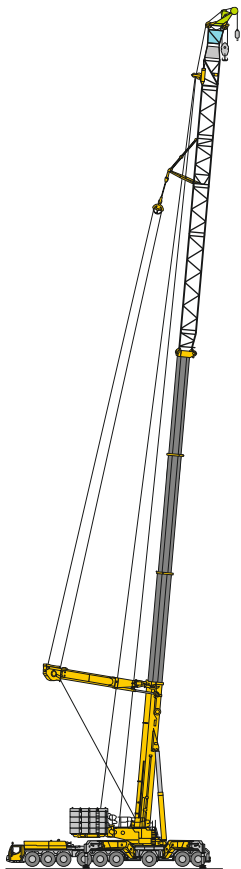


TYV23E3NZF LTM 1750-9.1

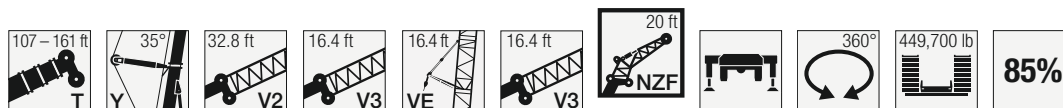


TYV23E3NZFH

LIEBHERR

Lifting capacities Forces de levage

TYV23E3NZF 20 ft



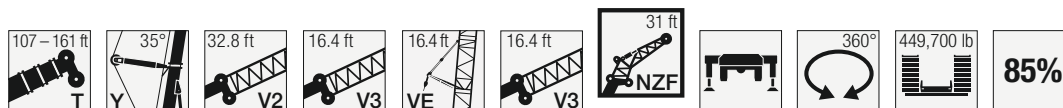
	107 ft + 91 ft*				125 ft + 91 ft*				143 ft + 91 ft*				161 ft + 91 ft*					
	NZF 20 ft																	
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°		
28	240				237.7												28	
30	238.2	205.8															30	
32	236.4	203.1			236				229.8								32	
34	234.7	200.4	158.7		234.3	203.2			229.9								34	
36	232.9	197.7	157.1		232.5	200.9	158.8		228.6	201			215.5				36	
38	231	195.1	155.5	120.1	230.9	198.5	157.3		227.4	199.3	158.9		211.9	197.7			38	
40	228.7	192.4	153.9	119.5	229.2	196	155.8	120.2	226.1	197.6	157.5		208.2	195.8			40	
45	222.5	185.7	149.8	117.9	224.1	189.8	152.1	118.7	222.6	193.2	154	119.3	199.2	190.9	155.7	119.6	45	
50	216.3	179	145.8	116.2	218.6	183.6	148.4	117.1	211.7	187.6	150.6	117.9	190.2	185.9	152.5	117.6	50	
55	210.2	172.3	142.1	114	213.1	177.4	144.6	115.2	198.8	181.8	147.1	116	181.2	178.3	149.3	115.8	55	
60	204.9	165.6	139	111.7	205.7	171.2	141.5	113.2	187.4	176.1	143.7	114.1	172.2	169.5	146	114	60	
65	199.9	160.9	135.9	109.7	195.7	165.1	138.6	111.3	177	170.3	140.9	112.3	163	160.4	142.9	112.3	65	
70	194	156.6	132.8	107.7	185.7	160.9	135.8	109.5	168.8	164.6	138.3	110.5	154.2	152.5	140.5	110.7	70	
75	185.4	152.4	129.7	105.7	175.6	157	132.9	107.7	161	158.5	135.6	108.9	146.2	145.7	138	109.1	75	
80	173.3	148.2	126.6	103.8	165.5	153.1	130.1	105.9	153	150.6	133	107.4	138.4	138.5	134.8	107.6	80	
85	161.5	144	124.4	102.2	155.6	149.2	127.2	104.2	145	143.3	130.3	105.9	130.6	131.3	130.3	106.3	85	
90	150.7	140.5	122.6	100.6	147.2	145.3	124.9	102.7	137.7	137.4	127.7	104.4	122.7	124.1	125.2	105	90	
95	141.2	137.2	120.8	99.1	138.2	139.2	123.2	101.2	131.8	131.7	125	103.1	115.1	117.4	119.8	103.6	95	
100	132.5	133.4	119	97.7	129.8	130.9	121.3	99.7	124.6	125.8	121.8	101.8	108.7	111.7	114.1	102	100	
105	124.4	125.6	116.7	96.5	121.9	123.3	119.1	98.5	117	118.4	117.6	100.5	102.9	106.1	108.1	100.2	105	
110	116.9	118.3	114.2	95.2	114.9	116.1	116.6	97.3	110.2	111.5	112.5	99.1	97.8	100.5	102	98.4	110	
115	110.2	111.4	111.5	94.1	108.3	109.4	110.4	96.1	103.9	104.9	106.2	98	92.8	95	95.9	96.2	115	
120	103.9	104.9	105.8	93.1	102.2	103.3	104.3	94.9	97.9	99.1	100.2	96.9	87.8	89.4	90.8	93.6	120	
125	98.1	99	100	92.2	96.5	97.6	98.5	93.9	92.6	93.6	94.5	94.4	82.8	84.1	86.2	89.2	125	
130	92.6	93.6	94.5	91.2	91.3	92.2	93.1	92.3	87.4	88.4	89.4	90.8	77.8	79.4	81.8	84.5	130	
135	87.5	88.5	89.3	89.9	86.4	87.2	88.1	89.3	82.6	83.6	84.5	85.8	72.7	75.3	77.3	79.8	135	
140	82.8	83.7	84.4	85.4	81.7	82.6	83.4	84.4	78.2	79.1	79.9	81.2	68.8	71.5	72.9	75.4	140	
145	78.4	79.2	79.8	80.8	77.4	78.3	79	80	74	74.8	75.7	76.8	65.5	67.7	68.7	71.2	145	
150	74.2	75	75.5		73.4	74.1	74.8	75.8	70	70.9	71.6	72.6	62.3	63.9	64.8	67.5	150	
155	70.3	71	71.5		69.6	70.3	70.9	71.8	66.4	67.2	67.8	68.8	59	60.1	61.6	63.8	155	
160	66.6	67.2	67.8		66	66.6	67.2		62.9	63.6	64.2	65.2	55.7	56.6	58.4	60.1	160	
165	63.1	63.7	64.2		62.6	63.2	63.8		59.5	60.2	60.9	61.7	52.5	53.5	55.2	56.7	165	
170	59.8	60.4	60.8		59.3	60	60.5		56.4	57.1	57.7		49.2	50.8	52.1	53.6	170	
175	56.7	57.2	57.6		56.3	56.9	57.3		53.5	54.1	54.6		46.1	48.2	49	50.6	175	
180	53.8	54.2	54.6		53.4	54	54.4		50.7	51.2	51.7		43.9	45.5	46.1	47.6	180	
185	51	51.4	51.7		50.7	51.2	51.6		48	48.5	49		41.6	42.8	43.7		185	
190	48.4	48.7			48.1	48.5	48.9		45.4	45.9	46.4		39.4	40.2	41.3		190	
195	45.8	46.2			45.6	46	46.4		43	43.5	43.9		37.1	37.7	38.9		195	
200	40.9	42			43.3	43.6	43.9		40.7	41.2	41.5		34.9	35.6	36.5		200	
205	32				41	41.3			38.5	38.9	39.3		32.6	33.6	34		205	
210					38.9	39.2			36.4	36.8	37.1		30.5	31.6	32.1		210	
215					35.5	36.6			34.4	34.8	35		28.6	29.6	30.2		215	
220					28.6				32.5	32.8			26.9	27.6	28.2		220	
225					19.7				30.7	31			25.3	25.7	26.3		225	
230									28.2	28.7			23.6	24.1	24.6		230	
235									22.7				21.9	22.5			235	
240									15.9				20.2	20.9			240	
245													18.5	19.4			245	
250													16.1	16.8			250	
255													10.7				255	

* adapter - pièce d'adaptateur

maxt_198_210_00001_00_000

Lifting capacities Forces de levage

TYV23E3NZF 31 ft



	107 ft + 91 ft*				125 ft + 91 ft*				143 ft + 91 ft*				161 ft + 91 ft*					
	NZF 31 ft																	
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°		
28	236																28	
30	234.6																30	
32	232.6				231.6												32	
34	230.6	186.7			229.3				218.2								34	
36	228.6	183.3			226.9				215.8								36	
38	226.6	179.8	139.8		224.6	179			213.4				202.2				38	
40	224.3	176.4	137.9		222.3	176.2			211	175.9			198.7				40	
45	214.8	168.2	133.1		216.6	169.1	133.1		205.1	169.2	132.6		188.2	166.8			45	
50	204.3	161.4	128.8	96.1	206.9	162.6	128.9	96.1	197.2	162.6	128.9		177.4	161	128		50	
55	193.8	154.6	124.7	94.1	197	156.6	125.2	94.3	187.2	157	125.4	94.2	168.9	155.4	124.6	93.9	55	
60	184	148.3	120.8	92.3	187.1	150.6	121.6	92.6	177.1	151.7	122.1	92.7	160.8	150.5	121.5	92.3	60	
65	175.5	142.9	117.4	90.4	177.2	145	118.1	91	166.7	146.4	118.8	91.1	152.6	145.8	118.7	91	65	
70	167.2	137.8	114.1	88.6	169.9	140.2	115.1	89.5	158.5	141.4	115.8	89.7	144.4	141	115.8	89.7	70	
75	158.9	132.6	110.8	87.1	162.8	135.7	112.2	88	151.1	137.3	113.1	88.4	137.5	135.6	113.1	88.4	75	
80	150.7	127.8	107.9	85.5	155.5	131.1	109.3	86.6	144	133.2	110.4	87.1	131.8	130.1	110.7	87.1	80	
85	144.5	123.9	105.4	84	147.2	126.6	106.6	85.2	137	129.2	107.7	85.9	126.1	124.4	108.3	85.9	85	
90	138.9	120.3	102.8	82.7	141	123	104.3	83.8	130	125.2	105.3	84.7	120.3	118.8	106	84.8	90	
95	133.7	116.6	100.3	81.5	134.8	119.8	102	82.5	124.2	120.8	103.2	83.5	114.2	113.2	103.6	83.8	95	
100	128.4	112.9	97.8	80.3	127.6	116.6	99.7	81.4	119.3	116.8	101.1	82.4	108.4	108.3	101	82.8	100	
105	122.7	109.3	95.6	79.1	120.8	113.3	97.4	80.3	114.2	112.7	99.1	81.3	103	104.1	98.4	81.8	105	
110	116.6	106	93.7	78.1	113.7	110.1	95.2	79.2	108.9	108.3	97	80.3	98	99.8	95.8	80.9	110	
115	109.9	103	91.7	77.1	107.4	106.5	93.4	78.2	102.8	103.7	94.9	79.3	93.3	95.4	93.1	80	115	
120	103.8	100.1	89.8	76.2	101.4	102.5	91.7	77.3	97.1	98.5	92.9	78.4	88.7	90.7	90.5	79.1	120	
125	98.1	97.2	88	75.3	95.8	97.5	89.9	76.4	91.6	93.4	91.2	77.5	84	86	87.8	78	125	
130	92.7	93.5	86.3	74.5	90.7	92.2	88.2	75.6	86.8	88.2	88.4	76.7	79.4	81.3	84	76.9	130	
135	87.7	89.2	84.8	73.8	85.9	87.3	86.3	74.8	82.1	83.6	84.9	75.9	74.7	77.1	80.1	75.2	135	
140	83.1	84.4	83.3	73	81.4	82.8	84	74.2	77.7	79.1	80.4	75	70.1	73.1	76	73.4	140	
145	78.8	79.9	80.7	72.5	77.1	78.5	79.6	73.5	73.6	74.9	76.2	74.3	66.2	69.6	72	71.7	145	
150	74.7	75.8	76.9	72	73.2	74.4	75.5	72.9	69.7	71	72.2	72.6	63.1	66.1	67.9	69.4	150	
155	70.8	71.9	72.9	71.5	69.4	70.6	71.7	71.9	66.1	67.3	68.4	70.1	60	62.5	64.2	66.8	155	
160	67.1	68.2	69.1		65.9	67	68	69.4	62.7	63.8	64.9	66.5	57	59	60.7	63.3	160	
165	63.7	64.7	65.5		62.5	63.6	64.5	65.9	59.4	60.5	61.5	63	54	55.6	57.7	59.9	165	
170	60.5	61.4	62.2		59.4	60.4	61.3		56.3	57.4	58.3	59.7	51	52.3	54.7	56.6	170	
175	57.4	58.3	59		56.4	57.3	58.2		53.4	54.4	55.3	56.6	47.9	49.7	51.8	53.5	175	
180	54.5	55.3	56		53.6	54.5	55.2		50.7	51.6	52.5	53.6	44.9	47.2	48.8	50.5	180	
185	51.7	52.5	53.1		50.9	51.7	52.4		48	48.9	49.7		42.4	44.7	45.9	47.7	185	
190	49.1	49.8	50.3		48.3	49.1	49.8		45.5	46.4	47.1		40.3	42.3	43.2	45	190	
195	46.6	47.2	47.7		45.9	46.6	47.2		43.2	43.9	44.7		38.2	39.8	41		195	
200	44.3	44.8			43.6	44.3	44.8		40.9	41.6	42.3		36.1	37.3	38.8		200	
205	42	42.5			41.4	42	42.5		38.7	39.4	40		34	35.1	36.5		205	
210	37.9	39.6			39.3	39.8	40.3		36.6	37.3	37.9		31.9	33.1	34.3		210	
215	30.3				37.2	37.7			34.7	35.3	35.8		29.8	31.2	32		215	
220	19.9				35.3	35.8			32.8	33.3	33.8		27.9	29.3	30.1		220	
225					32.5	33.7			31	31.5	31.9		26.1	27.5	28.3		225	
230					26.5				29.2	29.7			24.6	25.6	26.4		230	
235					18.9				27.6	28			23	23.8	24.6		235	
240									25.3	26.1			21.5	22.2	22.8		240	
245									20.6	22			19.9	20.7			245	
250									14.7				18.3	19.2			250	
255													16.7	17.7			255	
260													14.2	15.5			260	
265													9.5				265	

* adapter - pièce d'adaptateur

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Lifting capacities Forces de levage

TYV23E3NZF 43 ft



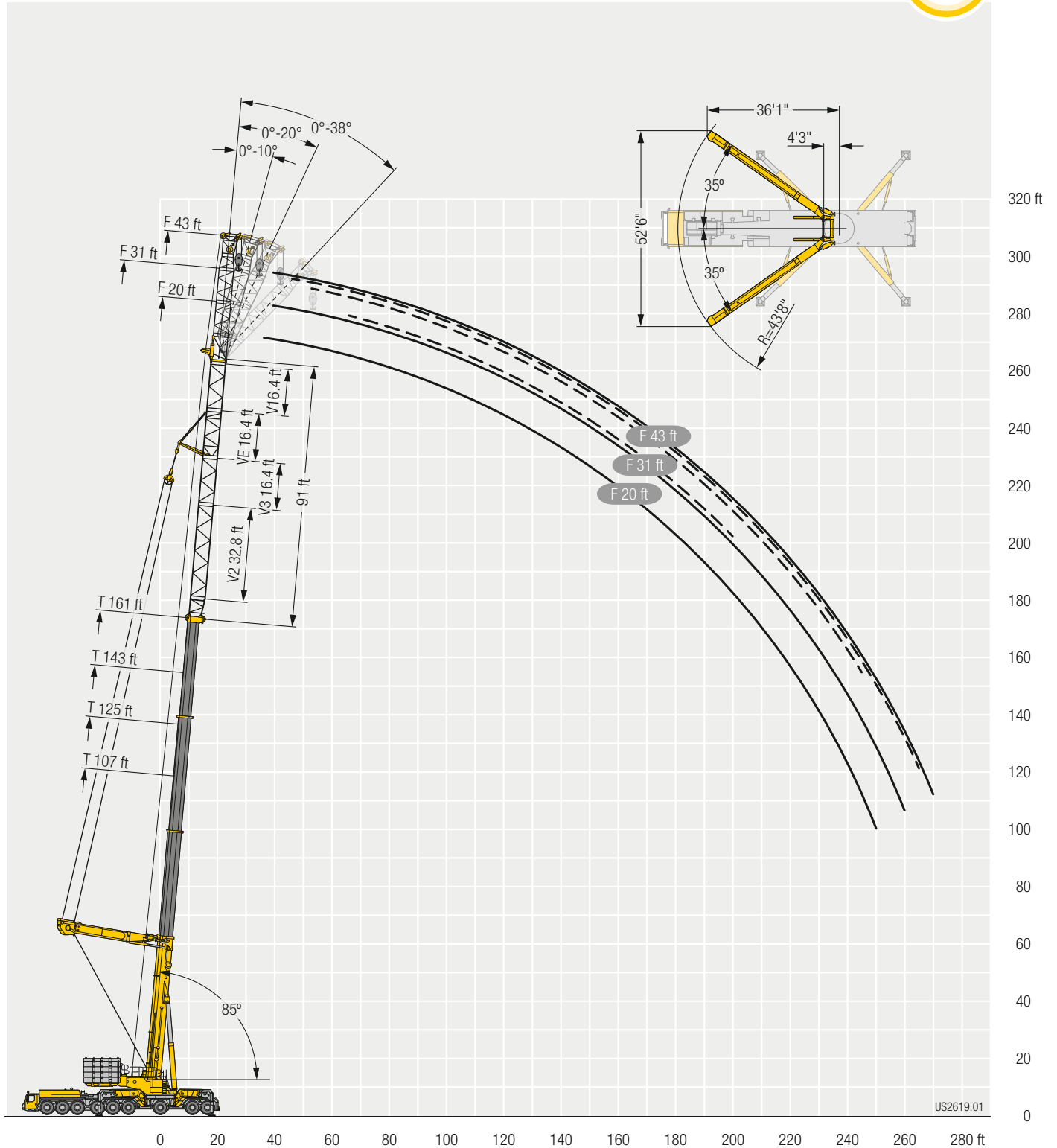
	107 ft + 91 ft*				125 ft + 91 ft*				143 ft + 91 ft*				161 ft + 91 ft*					
	NZF 43 ft																	
	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°	0°	10°	20°	38°		
30	193.5																30	
32	190.3																32	
34	186.8				185.2												34	
36	183.4				182.2				180.4								36	
38	180	142.8			179.2				177.8				173.8				38	
40	176.5	140.9			176.3	140.1			175.2				172.7				40	
45	169.1	136.2	114.3		168.9	136			168.7	135.6			167.1	133.9			45	
50	162.7	131.9	111.2		162.6	132	111		162.3	131.9	110.6		161.4	130.6			50	
55	156.3	128.1	108.3	77.9	156.8	128.4	108.3		156.9	128.2	108.1		155.6	127.3	107.3		55	
60	149.8	124.3	105.7	76.5	151	124.9	105.8	76.7	151.4	124.9	105.7	76.9	149.3	124	105		60	
65	143.5	120.4	103.1	75.1	145.2	121.5	103.5	75.5	146	121.7	103.6	75.7	143	120.8	102.9	75.8	65	
70	137.3	116.2	100.6	73.9	139.5	117.9	101.2	74.3	140.6	118.5	101.4	74.6	136.2	117.6	101	74.8	70	
75	131	112	98.1	72.7	133.9	114.1	98.7	73.1	135.4	115.1	99.3	73.6	129.6	114.4	99	73.7	75	
80	124.7	107.9	95.5	71.6	128.3	110.1	96.3	72.1	130.5	111.6	97	72.6	124	111.2	97.1	72.7	80	
85	118.9	103.8	93	70.6	122.7	106.2	93.9	71.1	125.6	108	94.7	71.6	118.9	108	94.9	71.8	85	
90	114.1	100.4	90.4	69.7	117.2	102.2	91.4	70.2	120.8	104.4	92.3	70.6	113.7	104.9	92.7	70.9	90	
95	109.9	97.2	87.8	68.7	112.5	98.9	89.1	69.3	115.9	100.9	90	69.8	108.6	101.7	90.5	70	95	
100	105.8	93.9	85.2	67.8	108.4	96	86.8	68.4	111.6	97.6	87.9	69	103.5	98.6	88.2	69.2	100	
105	101.7	90.7	82.6	67	104.8	93.2	84.5	67.6	107.5	95	85.8	68.1	98.9	95.4	86.2	68.5	105	
110	97.7	87.5	80.1	66.3	101.3	90.4	82.2	66.8	103.8	92.4	83.7	67.4	94.8	92.3	84.3	67.8	110	
115	93.6	84.5	78	65.5	97.7	87.5	79.9	66.1	100.1	89.9	81.6	66.7	90.9	89.3	82.5	67.1	115	
120	89.7	82	76.1	64.9	94.2	84.7	77.8	65.4	96.2	87.3	79.5	66	87.2	86.3	80.6	66.4	120	
125	86.8	79.8	74.1	64.3	90.6	82.1	76.1	64.8	91.7	84.8	77.4	65.3	83.5	83.2	78.8	65.8	125	
130	84.2	77.5	72.2	63.7	87	79.9	74.3	64.3	86.8	82.1	75.8	64.8	79.8	80.2	76.9	65.2	130	
135	81.6	75.3	70.4	63.1	84.4	77.9	72.6	63.8	82.3	79.8	74.2	64.2	75.8	77.1	74.8	64.6	135	
140	79.1	73.1	68.7	62.6	81.3	75.9	70.8	63.2	77.9	77.7	72.6	63.7	71.8	74	72.3	64	140	
145	76.5	71.1	67.2	62.1	77.1	73.9	69.1	62.7	73.9	75.6	71.1	63.3	67.7	70.9	69.8	63.6	145	
150	73.8	69.3	65.8	61.6	73.2	71.9	67.7	62.2	70.1	71.9	69.5	62.8	64	67.6	67.3	63.1	150	
155	71	67.6	64.3	60.8	69.5	69.9	66.3	61.7	66.5	68.2	67.9	62.2	61	64.3	64.7	62.7	155	
160	67.5	66	62.8	59.9	66	67.5	65	61.1	63.2	64.7	65.9	61.7	58	61	62.1	61.9	160	
165	64.1	64.4	61.5	59	62.8	64.1	63.6	60.5	59.9	61.5	62.8	61.2	55.2	57.7	59.2	60.6	165	
170	60.9	62	60.3		59.7	61	62.1	59.7	56.9	58.4	59.7	60.7	52.4	54.6	56.2	58.1	170	
175	57.9	59.1	59.2		56.7	58	59.1	58.8	54.1	55.4	56.7	58.5	49.5	51.4	53.2	55.3	175	
180	55	56.2	57.1		53.9	55.1	56.2	57.6	51.3	52.6	53.8	55.6	46.7	48.4	50.5	52.4	180	
185	52.3	53.4	54.3		51.2	52.4	53.5		48.7	50	51.1	52.7	43.8	46.1	47.8	49.6	185	
190	49.7	50.7	51.6		48.7	49.8	50.8		46.2	47.4	48.5	50	41	43.8	45.3	46.9	190	
195	47.2	48.2	48.9		46.3	47.3	48.2		43.9	45	46		39.1	41.5	42.9	44.4	195	
200	44.9	45.8	46.5		44	45	45.8		41.6	42.7	43.6		37.1	39.3	40.5	42	200	
205	42.7	43.4	44.1		41.8	42.7	43.5		39.4	40.5	41.4		35.2	37	38.3		205	
210	40.5	41.2			39.7	40.6	41.3		37.4	38.4	39.2		33.2	34.7	36.2		210	
215	38.4	39.1			37.7	38.5	39.1		35.4	36.3	37.1		31.2	32.6	34.2		215	
220	35.1	37			35.8	36.5	37.1		33.5	34.4	35.1		29.3	30.7	32.2		220	
225	28.4				34	34.6			31.7	32.5	33.2		27.3	28.9	30.1		225	
230	19.7				32.2	32.8			30	30.7	31.3		25.6	27.2	28.2		230	
235					29.9	30.9			28.3	29	29.6		24	25.4	26.5		235	
240					24.5				26.7	27.4			22.5	23.7	24.7		240	
245					17.9				25.2	25.8			21	22	23		245	
250									23	24.1			19.6	20.4	21.3		250	
255									18.9	20.7			18.1	19			255	
260									13.7				16.6	17.5			260	
265													15	16.1			265	
270													12.5	14.2			270	

* adapter - pièce d'adaptateur

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Lifting heights Hauteurs de levage

TYV23E3NZF



Proposition 65



WARNING: This product can expose you to chemicals, including exhaust emissions, including lead and lead compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information see: www.P65warnings.ca.gov/diesel

Subject to modification / Sous réserve de modifications

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