



OMAHA STANDARD



OLYMPIC 128 HOIST SPECIFICATIONS

MODEL	OLYMPIC 128 SA	OLYMPIC 128 DA
NUMBER OF CYLINDERS	2-TELESCOPIC	2-TELESCOPIC
CYLINDER STROKE	65.75"	65.75"
STAGE EFFECTIVE DIAMETERS		
1ST	3.375"	3.5"
2ND	2.875"	2.5"
CYLINDER ACTION	SINGLE ACTING	DOUBLE ACTING
SCISSOR HEIGHT COLLAPSED	7.5"	7.5"
HEIGHT AT MOUNTING BRACKET	11.375"	11.375"
HOIST HEIGHT EXTENDED (PIN to PIN)	103.1"	103.1"
PUMP OPTIONS	1538 DIRECT GEAR	1538 DIRECT GEAR
	1538 REMOTE GEAR	1538 REMOTE GEAR
	8 PISTON	8 PISTON
HYDRAULIC CONTROL VALVE	3 WAY	4 WAY
RESERVOIR CAPACITY		
1538 GEAR	40 QTS.	40 QTS.
8 PISTON	27 QTS.	27 QTS.
PUMP FLOW RATE @ 1000 RPM		
1538 GEAR	9.03 GPM	9.03 GPM
8 PISTON	8.66 GPM	8.66 GPM
RELIEF VALVE SETTING (EXTEND SIDE)	3500 PSI	3500 PSI
APPROX. LIFT TIME @ 1000 RPM		
1538 GEAR	29 SEC.	27 SEC.
8 PISTON	30 SEC.	28 SEC.
RECOMMENDED CHASSIS C/A or C/T RANGE	132" - 174" C/A 120" - 180" C/T	132" - 174" C/A 120" - 180" C/T
RECOMMENDED BODY LENGTH	16' - 20'	16' - 20'
MOUNTING DISTANCES (REAR HINGE TO LOWER LIFT POINT)		
35 DEGREES	163.25"	163.25"
40 DEGREES	144"	144"
45 DEGREES	129.25"	129.25"
50 DEGREES	117.25"	117.25"
55 DEGREES	107.75"	107.75"
LIFTING CAPACITY RANGE	15 - 33 TONS	15 - 33 TONS
NTEA CLASS	H/80	H/80
APPROX. SHIPPING WEIGHT	850 LBS.	875 LBS.

Table 1



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OMAHA STANDARD HOIST LIFT CAPACITY OLYMPIC 128 SA Applications

BODY LENGTH		CAB-TO-AXLE		CAB-TO-TRUNNION		OVER-HANG		APPROXIMATE CAPACITY - BODY AND PAYLOAD AT SPECIFIED DUMP ANGLES											
								NTEA CLASS H - CONVERSION HOIST/NTEA CLASS 80 DUMP BODY HOIST											
								35 °		40 °		45 °		50 °		55 °			
ft.	m.	in.	cm.	in.	cm.	in.	cm.	U.S. ton	metric ton	U.S. ton	metric ton	U.S. ton	metric ton	U.S. ton	metric ton	U.S. ton	metric ton		
16	4.88	114	290			48	122	44.5*	40.4*	39.0*	35.4*	34.8	31.6	31.4	28.5	28.7	26.0		
		120	305	108	274	42	107	39.6*	35.9*	34.7*	31.5*	30.9	28.1	27.9	25.3	25.5	23.1		
		126	320	114	290	36	91	35.6*	32.3*	31.2	28.3	27.8	25.3	25.1	22.8	22.9	20.8		
		132	335	120	305	30	76	32.4*	29.4*	28.4	25.7	25.3	23.0	22.8	20.7	20.9	18.9		
		138	351	126	320	24	61	29.7*	26.9*	26.0	23.6	23.2	21.1	20.9	19.0	19.1	17.3		
		144	366	132	335	18	46	27.4	24.8	24.0	21.8	21.4	19.4	19.3	17.5	17.6	16.0		
16.5	5.03	150	381	138	351	12	30	25.4	23.1	22.3	20.2	19.9	18.0	17.9	16.3	16.4	14.9		
		132	335	120	305	36	91	33.9*	30.8*	29.7	27.0	26.5	24.1	23.9	21.7	21.8	19.8		
		138	351	126	320	30	76	31.0*	28.1*	27.1	24.6	24.2	22.0	21.8	19.8	19.9	18.1		
		144	366	132	335	24	61	28.5	25.8	25.0	22.7	22.3	20.2	20.1	18.2	18.4	16.7		
		150	381	138	351	18	46	26.4	23.9	23.1	21.0	20.6	18.7	18.6	16.9	17.0	15.4		
		138	351	126	320	48	122	35.6*	32.3*	31.2	28.3	27.8	25.3	25.1	22.8	22.9	20.8		
18	5.49	144	366	132	335	42	107	32.4	29.4	28.4	25.7	25.3	23.0	22.8	20.7	20.9	18.9		
		150	381	138	351	36	91	29.7	26.9	26.0	23.6	23.2	21.1	20.9	19.0	19.1	17.3		
		156	396	144	366	30	76	27.4	24.8	24.0	21.8	21.4	19.4	19.3	17.5	17.6	16.0		
		162	411	150	381	24	61	25.4	23.1	22.3	20.2	19.9	18.0	17.9	16.3	16.4	14.9		
		168	427	156	396	18	46	23.7	21.5	20.8	18.9	18.6	16.8	16.7	15.2	15.3	13.9		
		174	442	162	411	12	30	22.2	20.2	19.5	17.7	17.4	15.8	15.7	14.2	14.3	13.0		
18.5	5.64	156	396	144	366	36	91	28.5	25.8	25.0	22.7	22.3	20.2	20.1	18.2	18.4	16.7		
		168	427	156	396	24	61	24.5	22.3	21.5	19.5	19.2	17.4	17.3	15.7	15.8	14.4		
				168	427	12	30	21.6	19.6	18.9	17.2	16.9	15.3	15.2	13.8	13.9	12.6		
		162	411	150	381	48	122	29.7	26.9	26.0	23.6	23.2	21.1	20.9*	19.0*	19.1*	17.3*		
		168	427	156	396	42	107	27.4	24.8	24.0	21.8	21.4	19.4	19.3*	17.5*	17.6*	16.0*		
		174	442	162	411	36	91	25.4	23.1	22.3	20.2	19.9	18.0	17.9*	16.3*	16.4*	14.9*		
20	6.1			168	427	30	76	23.7	21.5	20.8	18.9	18.6	16.8	16.7*	15.2*	15.3*	13.9*		
				174	442	24	61	22.2	20.2	19.5	17.7	17.4	15.8	15.7*	14.2*	14.3*	13.0*		
		174	442	162	411	42	107	26.4	23.9	23.1	21.0	20.6	18.7	18.6*	16.9*	17.0*	15.4*		
				168	427	36	91	24.5	22.3	21.5	19.5	19.2	17.4	17.3*	15.7*	15.8*	14.4*		
				174	442	30	76	23.0	20.8	20.1	18.3	18.0	16.3	16.2*	14.7*	14.8*	13.4*		
						174	442	24	61	22.2	20.2	19.5	17.7	17.4	15.8	15.7*	14.2*	14.3*	13.0*
20.5	6.25	174	442	162	411	42	107	26.4	23.9	23.1	21.0	20.6	18.7	18.6*	16.9*	17.0*	15.4*		
				168	427	36	91	24.5	22.3	21.5	19.5	19.2	17.4	17.3*	15.7*	15.8*	14.4*		
				174	442	30	76	23.0	20.8	20.1	18.3	18.0	16.3	16.2*	14.7*	14.8*	13.4*		
						174	442	24	61	22.2	20.2	19.5	17.7	17.4	15.8	15.7*	14.2*	14.3*	13.0*
						168	427	30	76	23.7	21.5	20.8	18.9	18.6	16.8	16.7*	15.2*	15.3*	13.9*
						174	442	24	61	22.2	20.2	19.5	17.7	17.4	15.8	15.7*	14.2*	14.3*	13.0*
Mounting Distance (in./cm.)								163.25	415.00	144.00	366.00	129.25	328.00	117.25	298.00	107.75	274.00		

*Indicates application is not recommended by factory. (For installations other than shown in above chart - consult factory.)

CAUTION: Combined weight of truck chassis, hoist, platform, sides, and cargo must not exceed G.V.W.R. of vehicle.

NOTE: All lifting capacity ratings are gross load (body and cargo) and based on proper body length, overhang, mounting distance, and a level load. Assume 3" (7.6 cm) clearance between front of body and back of cab with a rear hinge location 33" (83.8 cm) behind center line of rear axle for single axle trucks and 45" (114.3 cm.) behind center line of trunnion for tandem axle trucks.

Table 2