



# OMAHA STANDARD



## OMAHA STANDARD HOIST LIFT CAPACITY

### 515 DH Applications

BODY LENGTH		CAB-TO-AXLE		OVER-HANG		APPROXIMATE CAPACITY - BODY AND PAYLOAD AT SPECIFIED DUMP ANGLES									
						NTEA CLASS C - CONVERSION HOIST/NTEA CLASS 20 DUMP BODY HOIST									
						35 °		40 °		45 °		50 °		* 55 °	
ft.	m.	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
8	2.4	60	152	6	15	11.6*	10.5*	10.2	9.3	9.2	8.3	8.3	7.5	7.6	6.9
8.5	2.6	60	152	12	30	12.5*	11.4*	11.0	10.0	9.9	9.0	8.9	8.1	8.2	7.4
9	2.7	60	152	18	46	13.6*	12.3*	11.9	10.8	10.7	9.7	9.7	8.8	8.9	8.0
		72	183	6	15	10.2	9.2	9.0	8.1	8.0	7.3	7.3	6.6	6.6	6.0
9.5	2.9	60	152	24	61	14.8*	13.4*	13.0	11.8	11.7	10.6	10.5	9.6	9.7	8.8
		72	183	12	30	10.8	9.8	9.6	8.7	8.5	7.8	7.7	7.0	7.1	6.4
10	3.1	60	152	30	76	16.3*	14.8*	14.3	13.0	12.8	11.6	11.6	10.5	10.6	9.7
		72	183	18	46	11.6	10.5	10.2	9.3	9.2	8.3	8.3	7.5	7.6	6.9
		84	213	6	15	9.0	8.2	8.0	7.2	7.1	6.5	6.4	5.9	5.9	5.4
		72	183	24	61	12.5	11.4	11.0	10.0	9.9	9.0	8.9	8.1	8.2	7.4
10.5	3.2	84	213	12	30	9.6	8.7	8.4	7.7	7.5	6.8	6.8	6.2	6.3	5.7
		84	213	30	76	11.2	10.1	10.2	9.3	9.2	8.3	8.3	7.5	7.6	6.9
12	3.7	102	259	12	30	8.1	7.4	7.2	6.5	6.4	5.8	5.8	5.3	5.3	4.8
		108	274	6	15	7.4	6.7	6.5	5.9	5.8	5.3	5.3	4.8	4.8	4.4
12.5	3.8	84	213	36	91	12.5	11.4	11.0	10.0	9.9	9.0	8.9	8.1	8.2	7.4
		102	259	18	46	8.6	7.8	7.5	6.8	6.7	6.1	6.1	5.5	5.6	5.1
		108	274	12	30	7.7	7.0	6.8	6.2	6.1	5.5	5.5	5.0	5.1	4.6
		102	259	36	91	10.2	9.2	9.0	8.1	8.0	7.3	7.3	6.6	6.6	6.0
14	4.3	108	274	30	76	9.0	8.2	8.0	7.2	7.1	6.5	6.4	5.9	5.9	5.4
		108	274	30	76	9.0	8.2	8.0	7.2	7.1	6.5	6.4	5.9	5.9	5.4
Mounting Distance (in./cm)						96.75	246.00	85.25	217.00	76.25	194.00	69.00	175.00	63.25	161.00

\*Not a recommended application.

\*\* For installations other than shown in above chart, consult the factory.

**NOTE:** Lifting capacity ratings are gross load (body and cargo); based on proper body length, overhang, level load, and assume 3" clearance between front of body and back of cab.

**CAUTION:** COMBINED WEIGHT OF TRUCK CHASSIS, HOIST, PLATFORM, SIDES, AND CARGO MUST NOT EXCEED G.V.W.R. OF VEHICLE.

Table 3



# OMAHA STANDARD



## 519 DH HOIST SPECIFICATIONS

NUMBER OF CYLINDERS		1
CYLINDER ACTION	PTO PUMPS ELECTRIC PUMPS	DOUBLE ACTING SINGLE OR DOUBLE ACTING
CYLINDER BORE		5.5"
CYLINDER STROKE		19.25"
CHROME PLATED ROD DIAMETER		2"
HOIST HEIGHT COLLAPSED		6.75"
HOIST HEIGHT EXTENDED (PIN TO PIN)		61"
PUMP OPTIONS		919 DIRECT GEAR 4 PISTON S.A. ELECTRIC D.A. ELECTRIC
HYDRAULIC CONTROL VALVE	919 GEAR PISTON S.A. ELECTRIC D.A. ELECTRIC	4 WAY w/ RECYCLE 4 WAY w/ CYL. RELIEF 3 WAY 4 WAY
RESERVOIR CAPACITY	919 GEAR PISTON ELECTRIC	9 qts. 15 qts. 7 qts.
PUMP FLOW RATE @ 1000 RPM	919 GEAR PISTON ELECTRIC (EMPTY) ELECTRIC (LOADED)	4.50 gpm 3.31 gpm 2.30 gpm 1.00 gpm
RELIEF VALVE SETTING	EXTEND SIDE RETRACT SIDE	3250 psi 1500 psi
APPROX. LIFT TIME @ 1000 RPM	919 GEAR PISTON ELECTRIC (EMPTY) ELECTRIC (LOADED)	28 sec. 40 sec. 54 sec. 123 sec.
RECOMMENDED CHASSIS RANGE		60" - 120" C/A
RECOMMENDED BODY LENGTH		8' - 14'
MOUNTING DISTANCES (REAR HINGE TO LIFT POINT)	35 Deg. 40 Deg. 45 Deg. 50 Deg. 55 Deg.	125.50" 110.50" 98.75" 89.50" 82.00"
LIFTING CAPACITY RANGE		4.8 - 22.9 TONS
NTEA CLASS		D/40
APPROX. SHIPPING WEIGHT		495 LBS.

Table 1