

**OMAHA STANDARD HOIST SPECIFICATIONS
DROP HINGE - SCISSOR HOIST SERIES**

MODEL	415 DH	515 DH	519 DH	520 DH	625 DH	630 DH	5530 DH	
Number of Cylinders	1	1	1	1	1	1	2	
Cylinder Actic PTO Pumps	Double Acting	Double Acting	Double Acting	Double Acting	Double Acting	Double Acting	Double Acting	
Electric Pumps	Single or Double	Single or Double	Single or Double	Single or Double	---	---	---	
Cylinder Bore	4.5"	5"	5.5"	5"	6"	6"	5"	
Cylinder Stroke (Installed)	15.25"	15.25"	19.25"	19.0"	24.25"	28.75"	29.5"	
Chrome Plated Rod Diameter	2"	2"	2"	2"	2.5"	2.5"	2.5"	
Hoist Height Collapsed	6.25"	6.25"	6.75"	6.75"	7.438"	7.75"	8.5"	
Hoist Height Extended (Pin to)	61"	61"	61"	68.5"	102"	102"	104"	
Pump Options	919 Direct Gear --- 4 Piston --- Electric	919 Direct Gear --- 4 Piston --- Electric	919 Direct Gear --- 4 Piston --- Electric	919 Direct Gear --- 4 Piston --- Electric	--- 1538 Direct Gear 1538 Remote Gear --- 8 Piston --- Electric	--- 1538 Direct Gear 1538 Remote Gear --- 8 Piston --- Electric	--- 1538 Direct Gear 1538 Remote Gear --- HV 8 Piston --- Electric	
Hydraulic Control Valve	919 Gear 1538 Gear Piston Double Acting Single Acting Electric	4 Way w/ Recycle --- 4 Way w/ Cyl. Relief 4 Way 3 Way	4 Way w/ Recycle --- 4 Way w/ Cyl. Relief 4 Way 3 Way	4 Way w/ Recycle --- 4 Way w/ Cyl. Relief 4 Way 3 Way	4 Way w/ Recycle --- 4 Way w/ Cyl. Relief 4 Way 3 Way	4 Way w/ Cyl. Relief 4 Way w/ Cyl. Relief 4 Way w/ Cyl. Relief 4 Way w/ Cyl. Relief	4 Way w/ Cyl. Relief 4 Way w/ Cyl. Relief 4 Way w/ Cyl. Relief 4 Way w/ Cyl. Relief	
Reservoir Capacity	919 Gear 1538 Gear 4 Piston 8 Piston Electric	9 Qts. --- 15 Qts. --- 7 Qts.	9 Qts. --- 15 Qts. --- 7 Qts.	9 Qts. --- 15 Qts. --- 7 Qts.	9 Qts. --- 15 Qts. --- 7 Qts.	--- 27 Qts. --- 21 Qts. --- ---	--- 27 Qts. --- 21 Qts. --- ---	--- 27 Qts. --- 27 Qts. --- ---
Pump Flow R @ 1000 RPM	919 Gear 1538 Gear 4 Piston 8 Piston Electric (empty) Electric (loaded)	4.50 GPM --- 3.31 GPM --- 2.30 GPM 1.0 GPM	4.50 GPM --- 3.31 GPM --- 2.30 GPM 1.0 GPM	4.50 GPM --- 3.31 GPM --- 2.30 GPM 1.0 GPM	4.50 GPM --- 3.31 GPM --- 2.30 GPM 1.0 GPM	--- 9.03 GPM --- 8.66 GPM --- ---	--- 9.03 GPM --- 8.66 GPM --- ---	--- 9.03 GPM --- 12.8 GPM --- ---
Relief Valve Setting (Extend S)	3250 PSI	3250 PSI	3250 PSI	3250 PSI	3250 PSI	3250 PSI	3250 PSI	
Relief Valve Setting (Retract S)	1500 PSI	1500 PSI	1500 PSI	1500 PSI	1500 PSI	1500 PSI	1500 PSI	
Approximate Lift Time @ 1000 RPM	919 Gear 1538 Gear 4 Piston 8 Piston Electric (empty) Electric (loaded)	14 sec. --- 19 sec. --- 27 sec. 63 sec.	17 sec. --- 24 sec. --- 34 sec. 78 sec.	18 sec. --- 25 sec. --- 36 sec. 83 sec.	22 sec. --- 29 sec. --- 42 sec. 97 sec.	--- 20 sec. --- 21 sec. --- ---	--- 24 sec. --- 25 sec. --- ---	--- 34 sec. --- 24 sec. --- ---
Recommended Chassis C/A or C/T Range	60" - 84" C/A	60" - 84" C/A	60" - 108" C/A	60" - 120" C/A	108" - 150" C/A 108" - 138" C/T	108" - 156" C/A 102" - 144" C/T	120" - 168" C/A 132" - 174" C/T	
Recommended Body Length	8' - 12'	8' - 14'	8' - 14'-6"	8' - 14'	12' - 18'	12' - 18'	16' - 20'-6"	
Mounting Distances (Rear Hinge to Lift Point)	35° - 96.75" 40° - 85.25" 45° - 76.25" 50° - 69" 55° - 63.25"	35° - 96.75" 40° - 85.25" 45° - 76.25" 50° - 69" 55° - 63.25"	35° - 103.5" 40° - 91.25" 45° - 81.5" 50° - 74" 55° - 67.75"	35° - 125.50" 40° - 110.50" 45° - 98.75" 50° - 89.50" 55° - 82.00"	35° - 142.25" 40° - 125.25" 45° - 1125" 50° - 101.5" 55° - 93.25"	35° - 165" 40° - 145.25" 45° - 130" 50° - 118" 55° - 108"	35° - 166.5" 40° - 146.75" 45° - 131.25" 50° - 119" 55° - 109"	
Lifting Capacity Range	3.9-11.6 Tons	4.8-14.3 Tons	5.8-15.4 Tons	4.8-22.9 Tons	10 - 23.8 Tons	13.1-22.2 Tons	15 - 36 Tons	
NTEA Class	B/10	C/20	C/20	D/40	E/50	F/60	G/70	
Approximate Shipping Weight	430 Lbs.	440 Lbs.	485 Lbs.	495 Lbs.	630 Lbs.	650 Lbs.	905 Lbs.	

1. All hoists sold with pump, pump control cable and knob, pump drive shaft and universal joints (except direct mount and electric options), hydraulic hoses and fittings, all necessary mounting components, fasteners, and body prop.
2. All cylinders are pressure tested and cycled prior to installation.
3. *The standard hydraulic system includes a direct mount gear or single acting electric pump and kit. The other systems shown above are offered as options.
4. Extra pump control valve (double acting 1800 PSI) available with 21 qt. and 27 qt. reservoirs.
5. Electric hydraulic pump models have a single relief valve set to 3250 PSI.
6. Lifting capacity is dependent on mounting distance, body length, dump angle, and overhang. Consult Omaha Standard sales literature for capacity charts of common installations.

**OMAHA STANDARD HOIST SPECIFICATIONS
OLYMPIC SERIES TELESCOPIC/SCISSOR HOISTS**

MODEL	OLYMPIC 110DA	OLYMPIC 128SA	OLYMPIC 128DA	OLYMPIC 144SA	OLYMPIC 144 HD	OLYMPIC 180SA
Number of Cylinders	2 - Telescopic	2 - Telescopic	2 - Telescopic	2 - Telescopic	2 - Telescopic	2 - Telescopic
Cylinder Stroke	60.06"	65.75"	65.75"	80.31"	80.31"	101.90"
Stage Effective Diameters	1st 2nd 3rd	3.125" 2.250" ---	3.375" 2.875" ---	3.5" 2.5" ---	3.875" 3.375" 2.875"	3.875" 3.375" 2.875"
Cylinder Action	Double Acting	Single Acting	Double Acting	Single Acting	Single Acting	Single Acting
Scissor Height Collapsed	6.75"	7.5"	7.5"	7.5"	7.5"	7.5"
Height at Mounting Bracket	6.75"	11.375"	11.375"	11.375"	7.75"	11.375"
Hoist Height Extended (Pin to Pin)	86.88"	103.1"	103.1"	115.4"	111.5"	142.36"
Pump Options	1538 Direct Gear 1538 Remote Gear 8 Piston	1538 Direct Gear 1538 Remote Gear 8 Piston	1538 Direct Gear 1538 Remote Gear 8 Piston	1538 Direct Gear 1538 Remote Gear HV 8 Piston	1538 Direct Gear 1538 Remote Gear HV 8 Piston	1538 Direct Gear 1538 Remote Gear HV 8 Piston
Hydraulic Control Valve	4 Way	3 Way	4 Way	3 Way	3 Way	3 Way
Reservoir Capacity	1538 Gear 8 Piston	27 Qts. 21 Qts.	40 Qts. 27 Qts.	40 Qts. 27 Qts.	40 Qts. 40 Qts.	40 Qts. 40 Qts.
Pump Flow Rated @1000 RPM	1538 Gear 8 Piston	9.03 GPM 8.66 GPM	9.03 GPM 8.66 GPM	9.03 GPM 8.66 GPM	9.03 GPM 12.8 GPM	9.03 GPM 12.8 GPM
Max. Operating Pressure/Pump Relief Valve Setting (Extend Side)	3500 PSI ---	3500 PSI ---	3500 PSI ---	3250 PSI ---	3500 PSI ---	3250 PSI ---
Approximate Lift Time @ 1000 RPM	1538 Gear 8 Piston	20 sec. 21 sec.	29 sec. 30 sec.	27 sec. 28 sec.	41 sec. 29 sec.	41 sec. 29 sec.
Recommended Chassis C/A or C/T Range	120" - 156" C/A 102" - 150" C/T	132" - 174" C/A 120" - 180" C/T	132" - 174" C/A 120" - 180" C/T	---	126" - 222" C/T 120" - 222" C/T	---
Recommended Body Length	14' - 18'-6"	16' - 20'	16' - 20'	18' - 24'	16' - 24'	20' - 28'
Mounting Distances (Rear Hinge to Lift Point)	35° - 139.50" 40° - 122.75" 45° - 110.00" 50° - 99.75" 55° - 91.25"	35° - 162.00" 40° - 143.00" 45° - 128.50" 50° - 116.50" 55° - 107.00"	35° - 162.00" 40° - 143.00" 45° - 128.50" 50° - 116.50" 55° - 107.00"	35° - 181.00" 40° - 159.00" 45° - 142.50" 50° - 129.00" 55° - 118.50"	35° - 179.75" 40° - 158.25" 45° - 141.50" 50° - 128.50" 55° - 117.75"	35° - 225.00" 40° - 198.00" 45° - 177.25" 50° - 160.50" 55° - 147.00"
Lifting Capacity Range	13 - 28 Tons	15 - 33 Tons	15 - 33 Tons	20 - 37 Tons	23 - 35 Tons	19 - 52 Tons
NTEA Class	F/60	H/80	H/80	J/100	K/110	K/110
Approximate Shipping Weight	750 Lbs.	850 Lbs.	875 Lbs.	1,050 Lbs.	1,050 Lbs.	1,132 Lbs.

1. All hoists sold with pump, pump control cable and knob, pump drive shaft and universal joints (except direct mount options), hydraulic hoses and fittings, all necessary mounting components, fasteners, and body prop.
2. All cylinders are pressure tested and cycled prior to installation.
3. *The standard hydraulic system includes a direct mount gear pump and kit. The other systems shown above are offered as options.
4. Extra pump control valve (double acting 1800 PSI) available with 21 qt., 27 qt. and 40 qt. reservoirs.
5. Lifting capacity is dependent on mounting distance, body length, dump angle, and overhang. Consult Omaha Standard sales literature for capacity charts of common installation.