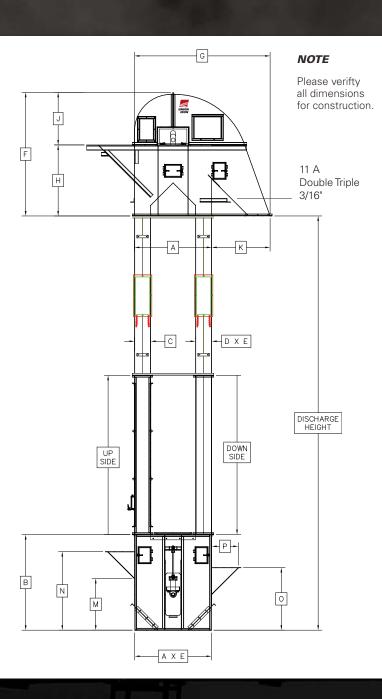


QUALITY, DEPENDABILITY & SERVICE

HOW TO SELECT A BUCKET ELEVATOR

- Capacity is based on 75% cup loading. HP is based on 100% cup fill.
- Leg size is coded to show bucket and pulley dimensions. Example: Leg size 14842 refers to a 14" X 8" bucket with a 42" dia. head pulley.





Elevators depend on the efficient movement of grain, Union Iron designs and manufactures the materials handling equipment to meet those needs.

Union Iron products have the "Power To Move" grain efficiently and profitably. Our experience has been gained from over a century of supplying quality equipment to the grain industry. For the best in materials handling equipment rely on Union Iron, the complete "Power to Move" product and accessory lines.

Capacity Bu/Hr	Size	Belt Speed FPM	Pulley RPM	Cup Spacing	А	В	С	D	Е	F	G	н	J	К	M	N	0	Р
					Dir	nensior	s in Inc	hes										
3,000	9630	545	67	8	52	60	28	12	18	72	84	38	34	32	35	51	41	16
5,000	12630	545	67	7	52	60	28	12	18	72	84	38	34	32	35	51	41	16
7,500	14736	620	64	8	58	72	34	12	18	74	102	47	47	44	39	67	55	20
10,000	16742	675	60	10	67	72	39	14	22	102	113	59	43	46	43	67	55	24
12,500	16842	626	60	10	67	72	39	14	22	102	113	59	43	46	43	70	58	24
15,000	18848	720	56	10	73	72	45	14	28	112	128	66	46	55	46	70	58	24
20,000	22848	720	56	9	73	72	45	14	28	112	128	66	46	55	46	70	58	24
25,000	168D48	720	56	10	73	72	45	14	48	112	128	66	46	55	46	70	58	24
30,000	188D48	720	56	10	73	72	45	14	48	112	128	66	46	55	46	70	58	24
40,000	188T48	720	56	10	73	72	45	14	65	112	128	60	46	55	46	70	58	24
50,000	208T60	720	56	10	73	72	45	16	72	112	128	66	46	55	46	70	58	24
															l e	l		'
Capacity MT/Hr	Size	Belt Speed m/s	Pulley RPM	Cup Spacing, mm	А	В	С	D	E	F	G	н	J	К	М	N	0	Р
Capacity MT/Hr	Size	Speed	Pulley RPM	Spacing,		B nsions			E	F	G	Н	J	К	М	N	0	P
Capacity MT/Hr	Size 9630	Speed	Pulley RPM	Spacing,					E 457	F 1829	G 2134	H 965	J 864	K 813	M 889	N 1295	1041	P 406
MT/Hr		Speed m/s	RPM	Spacing, mm	Dime	nsions	in millin	neters										
MT/Hr 81	9630	Speed m/s	RPM 67	Spacing, mm	Dime	nsions 1524	in millin 711	neters 305	457	1829	2134	965	864	813	889	1295	1041	406
81 136	9630 12630	Speed m/s 2.77 2.77	67 67	Spacing, mm 203 178	Dime 1321 1321	nsions 1524 1524	in millin 711 711	neters 305 305	457 457	1829 1829	2134 2134	965 965	864 864	813 813	889 889	1295 1295	1041	406 406
81 136 203 271 339	9630 12630 14736	2.77 2.77 3.15 3.43 3.18	67 67 64 60 60	203 178 203 254	Dime 1321 1321 1473	nsions 1524 1524 1829	in millin 711 711 864	305 305 305 305	457 457 457	1829 1829 1880	2134 2134 2591	965 965 1194	864 864 1194	813 813 1118	889 889 991	1295 1295 1702	1041 1041 1397	406 406 508
81 136 203 271	9630 12630 14736 16742	2.77 2.77 3.15 3.43	67 67 64 60	203 178 203 254	Dime 1321 1321 1473 1702	nsions 1524 1524 1829 1829	in millin 711 711 864 991	305 305 305 305 356	457 457 457 559	1829 1829 1880 2591	2134 2134 2591 2870	965 965 1194 1499	864 864 1194 1092	813 813 1118 1168	889 889 991 1092	1295 1295 1702 1702	1041 1041 1397 1397	406 406 508 610
81 136 203 271 339 407 543	9630 12630 14736 16742 16842	2.77 2.77 3.15 3.43 3.18 3.66 3.66	67 67 64 60 60 56 56	203 178 203 254 254 254 229	Dime 1321 1321 1473 1702	nsions 1524 1524 1829 1829	in millin 711 711 864 991	305 305 305 305 356 356	457 457 457 559 559	1829 1829 1880 2591 2591	2134 2134 2591 2870 2870	965 965 1194 1499	864 864 1194 1092 1092	813 813 1118 1168 1397	889 889 991 1092 1092	1295 1295 1702 1702 1778	1041 1041 1397 1397 1473	406 406 508 610
81 136 203 271 339 407	9630 12630 14736 16742 16842 18848	2.77 2.77 3.15 3.43 3.18 3.66	67 67 64 60 60 56	Spacing, mm 203 178 203 254 254 254	Dime 1321 1321 1473 1702 1702 1854	nsions 1524 1524 1829 1829 1829 1829	in millin 711 711 864 991 991	305 305 305 305 356 356	457 457 457 559 559 711	1829 1829 1880 2591 2591 2845	2134 2134 2591 2870 2870 3251	965 965 1194 1499 1499	864 864 1194 1092 1092 1168	813 813 1118 1168 1397 1397	889 889 991 1092 1092 1168	1295 1295 1702 1702 1778 1778	1041 1041 1397 1397 1473 1473	406 406 508 610 610
81 136 203 271 339 407 543	9630 12630 14736 16742 16842 18848 22848	2.77 2.77 3.15 3.43 3.18 3.66 3.66	67 67 64 60 60 56 56	203 178 203 254 254 254 229	Dime 1321 1321 1473 1702 1702 1854 1854	nsions 1524 1524 1829 1829 1829 1829	in millin 711 711 864 991 991 1143	305 305 305 305 356 356 356	457 457 457 559 559 711 711	1829 1829 1880 2591 2591 2845 2845	2134 2134 2591 2870 2870 3251 3251	965 965 1194 1499 1499 1676	864 864 1194 1092 1092 1168	813 813 1118 1168 1397 1397	889 889 991 1092 1092 1168 1168	1295 1295 1702 1702 1778 1778	1041 1041 1397 1397 1473 1473	406 406 508 610 610 610
81 136 203 271 339 407 543 678	9630 12630 14736 16742 16842 18848 22848 168D48	2.77 2.77 3.15 3.43 3.18 3.66 3.66 3.66	67 67 64 60 60 56 56	203 178 203 254 254 254 229 254	Dime 1321 1321 1473 1702 1702 1854 1854	1524 1524 1829 1829 1829 1829 1829 1829	in millin 711 711 864 991 991 1143 1143	305 305 305 305 356 356 356 356 356	457 457 457 559 559 711 711 1219	1829 1829 1880 2591 2591 2845 2845	2134 2134 2591 2870 2870 3251 3251 3251	965 965 1194 1499 1499 1676 1676	864 864 1194 1092 1092 1168 1168	813 813 1118 1168 1397 1397 1397	889 889 991 1092 1092 1168 1168	1295 1295 1702 1702 1778 1778 1778	1041 1041 1397 1397 1473 1473 1473	406 406 508 610 610 610 610

NOTE Capacities in MT/hr are based on wheat at 0.77 MT/m³

UNION IRON MODEL BUCKET ELEVATORS

3,000 - 50,000 BPH (81 - 1357 MT/HR)

HEAD BEARINGS	All pillow block design; ball, double row spherical and SAF					
TAKE-UPS	Screw type take-ups with heavy duty pillow block bearings					
SHAFTS	1045 turned, ground and polished special alloy steel					
BELTING	Static conductive, super oil resistant and fire retardant rubber covered belt					
PULLEYS	Balanced crowned face welded steel					
LAGGING	Slide lag					
BUCKETS	Heavy duty, high density, non-sparking polyethylene					
WEAR POINTS	Urethane lined discharge					

CONSTRUCTION	Boot - 7 GA or 1/4" Head - 11 GA Casing - 11 GA Double & Triple 3/16" heads				
CASINGS	10' towered continuously jig-welded. Continuously welded end flanges				
FINISH	Powder Coat				
DRIVE MOUNT	Motor support base is standard. Drive Guard, standard				
VENTS	Blowout vent at head, standard				
ACCESS	10' inspection section with three inspection ports, head access and inspection doors				
THROAT WIPER	Adjustable rubber throat wiper plate				
CLEAN-OUT	Hand type clean-out slides				



- Swivel hoisting beams
- Casing pressure relief panels
- Wing type boot pulley
- Knee roller
- Gravity take-ups
- Bearing temperature monitor
- Motion detection monitor
- Zero speed switch
- Belt tracking switch
- Ceramic or urethane lined tapered discharge and boot hopper
- Clamp type belt splice
- Rack and pinion clean-out slides with hand wheels and anti-friction bearings
- Service, distributor and rest platforms
- Ladder
- Safety cage
- Extra boot hopper
- •Transition to distributor (lined or standard)
- Valves
- Gates
- Distributors

Do not operate equipment with safety devices removed

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