

# Agricultural Screw Conveyor Capacity Chart

Screw Diameter	Max. Lump Size	CU. FT /HR /RPM @ 100% Fill	CU. FT /HR /RPM @ 45% Fill	Grain BU/HR @ 45% Fill	Nominal Max. RPM
4"	5/8"	1.3	0.62	90	180
6"	3/4"	4.8	2.2	320	170
9"	1-1/2"	17	8	1040	160
10"	1-3/4"	24	10.9	1440	155
12"	2"	44	19.5	2240	145
14"	2-1/2"	68	31	3520	140
16"	3"	104	46.6	5120	135
18"	3"	150	66.3	6480	120
20"	3-1/2"	208	95.6	8320	110
24"	4"	340	172	13120	100

Horse Power = conv. length (ft) x cap (bu/hr) / 21000    Above HP is for dry free flowing grain