

General Purpose and High Lift Augers



Chief Industries UK Limited

TECHNICAL DATA SHEET TDS-420

General Purpose Range

Because Chief Augers are manufactured for unit construction, they can be assembled in many situations - in buildings for fixed or temporary installations, feeding barn machinery, on or around silos, stores or pits: their versatility is virtually unlimited. General purpose models are powered by electric or hydraulic motors which are fitted at the discharge end of the machine.



Our easy-removable outlet spout on most size augers, makes it a one handed operation to remove or replace the spout in the most awkward of places.

- Belt drive on 89, 114 & 152mm diameter
- Fully adjustable & positive drive tensioner
- Heavy duty self-aligning bearings and flange fitting detachable head unit for 89mm heavy duty and larger
- Outputs up to 100 tonnes per hour

Outputs

(approximate output tonnes/hour wheat)

Size	Moisture Content	0°	30°	45°	60°	90°
89mm (3.5")	15%	14	10	9	8	6.5
	22%	7.5	3.5	3	2.5	2
115mm (4.5")	15%	30	25	22.5	18	14
	22%	19	15	13	11	7
152mm (6.0")	15%	50	34	30	24	17
	22%	29	20	17.5	14.5	10
203mm (8.0")	15%	100	68	60	48	34
	22%	58	40	35	29	20

The rate of output is approximate and varies with the type of material, angle of use and rate of feed.

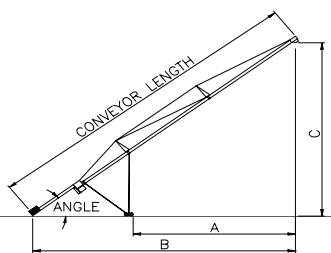
High Lift Range

The discharge angle of the conveyor can easily be adjusted by means of a robust winch handle. Power is transmitted to the machine, which has a short intake auger and a longer upper outlet auger, by a highly tested transfer box. The motor is fitted under the transfer box for stability, where easy maintenance of the drive and drive tensioning can be undertaken. All high lift conveyors can be fitted with extensions on the inlet and outlet ends. The power is normally an electric motor, although hydraulic or petrol engine versions are available.



Dimensions

114mm (4.5")					152mm (6")					203mm (8")				
Length	Angle	A(mm)	B(mm)	C(mm)	Length	Angle	A(mm)	B(mm)	C(mm)	Length	Angle	A(mm)	B(mm)	C(mm)
6.4m (21')	25°	2185	5715	2390	6.4m (21')	27°	2665	5640	2590	9.0m	27°	4170	8420	4030
	35°	1905	5210	3325		35°	2440	5260	3280			38°	3750	7500
8.5m (28')	45°	1550	4520	4215	8.5m (28')	41°	2210	4880	3835		50°	3210	6165	7050
	25°	4090	7620	3280			27°	4065	7670	3300		30°	4482	9920
10.7m (35')	35°	3660	6960	4550	10.7m (35')	35°	3556	7010	4520	11.0m	40°	3757	8820	7110
	45°	3050	6020	5715			41°	3175	6480		5283		51°	2745
12.8m (42')	25°	5230	9575	4215	10.7m (35')	23°	4775	9600	3310	13.0m*	25°	5280	12195	5345
	35°	4600	8710	5740			35°	4065	8740		5820		37°	4660
12.8m (42')	45°	3685	7545	7240	12.8m (42')	46°	3095	7545	7390		51°	3860	8630	10165
	25°	6220	11505	5105			25°	5945	11505	5130		29°	7105	14025
	35°	5590	10465	6985	14.9m (49')	35°	5385	10490	7060	15.0m	38°	6165	12265	9140
	45°	4700	9070	8760			45°	4625	9068		8915		51°	5015
						25°	6705	13460	6020		25°	8770	15840	7045
						35°	6200	12220	8280	17.0m	37°	7835	13935	10300
						45°	5260	10590	10235			51°	6375	11145



Accessories Include:

- Intake Hoppers
- Extensions
- Castor Wheels
- Rack & pinion feed control

Drive Options:

- Electric
- Petrol Engine
- Hydraulic
- P.T.O.



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All capacities and dimensions are nominal. Due to our development policy prices and specification are subject to change without notice.

