



CENTURY CXE SPECIFICATIONS

STANDARD SPEED & TORQUE

Century CXE Model	CXE30	CXE40	CXE58	CXE70	CXE92	CXE133
Screw Diameter (mm)	30	40	58	70	92	133
Center Distance (mm)	26.2	33.4	48.0	58.5	76.0	110.0
Flight Depth (mm)	4.7	7.1	10.3	12.5	16.3	23.5
Number of Lobes	2	2	2	2	2	2
Barrel Length (mm)	90 & 180	165	240	270	360	510
Maximum Torque Per Screw Shaft (Nm)	100	325	960	1750	3850	11600
Maximum Screw RPM	500	600	600	600	600	500
Standard Gearbox Ratio	3.5:1	2.91:1 3.50:1	2.91:1 3.50:1	2.91:1 3.50:1	2.91:1 3.50:1	1.70:1
Theoretical Max. Motor Size Hp (kW)	14 (10.5)	54.8 (40.8)	161.8 (120.6)	294.9 (219.9)	648.8 (483.8)	1629.1 (1241.8)
Install Max. Motor Horsepower	15	60	200	300	700	1500

HIGH SPEED & TORQUE

Century CXE Model	CXE25	CXE40	CXE58	CXE70	CXE92	CXE133
Screw Diameter (mm)	25	40	58	70	92	133
Center Distance (mm)	21.1	33.4	48.0	58.5	76.0	110.0
Flight Depth (mm)	4.15	7.1	10.3	12.5	16.3	23.5
Number of Lobes	2	2	2	2	2	2
Barrel Length (mm)	100	165	240	270	360	510
Maximum Torque Per Screw Shaft (Nm)	82	425	1250	2250	5000	15100
Maximum Screw RPM	1200*	1200*	1200*	1200*	1000*	600*
Standard Gearbox Ratio	1.46:1 2.91:1	1.46:1 2.91:1	1.46:1 2.91:1	1.46:1 2.91:1	1.16:1 1.44:1 2.91:1	1.417:1
Theoretical Max. Motor Size Hp (kW)	27.6 (20.6)	143.2 (106.8)	421.3 (314.0)	758.4 (565.5)	1404.4 (1047.2)	2544.7 (1897.6)
Install Max. Motor Horsepower	30	150	450	800	1500	2500

SIDE FEEDERS

Century CXE Side Feeder Model	CXESF 25	CXESF 40	CXESF 58	CXESF 70	CXESF 92	CXESF 120
Screw Diameter (mm)	25	40	56	70	88	119
Center Distance (mm)	19.5	31	43	53.5	67	91
Flight Depth (mm)	6	9.5	14.5	17.5	22	29
Number of Lobes	2	2	2	2	2	2
Screw Length (mm)	250	393	600	600	540	720
Free Cross Section (cm ²)	4.5	12	18	36	58	103
Installed Motor Size (hp)	.75	2	5, 7.5	5, 7.5	15	20
Maximum Torque Per Screw Shaft (Nm)	10	40	100	150	300	750
Distribution Gearbox Ratio	1:1	1:1.04	1:1.333	1:1.04	1:1.25	1:1.031
Reducer Ratio	5:1 7.5:1	5:1	5:1	5:1	6.7:1	5.13:1
Available Output Speeds	23-230 (7.5:1) 34-345 (5:1)	36-364	46-466	36-364	32-326	36-360
Suitable for Extruder Sizes	25, 30	40, 50, 53, 57, 58	58, 70, 83, 90, 92	70, 83, 90, 92	92, 133	133

*When operating in excess of 800 RPM, the maximum torque per screw shaft should be monitored such that the maximum torque density is less than 11Nm/cm³. Contact your sales representative for more information. Other motor sizes and gearbox ratios are also available.