

Speed and Power Ranges by Application Type



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ROLLER MILL/PULVERIZER DRIVES

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ACCESSORY DRIVES

Model Number	Maximum Horsepower	Approximate Input Speed	Generator Speed (RPM)
GD-217 HOL	3,352	13,820	1,800
GD-222 HOL	32,184	4,850	3,600
GD-224 HOL	68,391	5,100	3,600
GD-224 HOL	68,391	5,100	3,000
GD-224.8 HOL	37,550	5,100	3,600
GD-225 HOL	38,889	5,100	3,600
GD-225 HOL	38,889	5,100	3,000
GD-13 HSA	4,420	8,494	1,800
GD-14 HSA	5,502	26,000	3,600
GD-15 HSA	12,419	7,400	1,800
GD-16 HSA	16,830	5,811	1,800
GD-17 HSA	14,751	8,396	1,800
GD-213 HS	9,500	7,500	3,600
GD-19 HS	80,460	5,425	3,600

AIR PREHEATER DRIVES

Model Number	Maximum Horsepower	High-Speed (Input RPM)	Low-Speed (Output RPM)	Ratio
AP-3HR	5	1,750	17.5	100:1
AP-4HR	10	1,750	14.8	118:1
AP-5HR	10	1,750	14.8	118:1
AP-8HR	25	1,750	11.8	148:1
AP-7AP	25	1,500	11.6	151:1
AP-8AP	40	1,750	14.6	120:1
AP-10AP	75	1,750	13.3	132:1

ATOMIZER DRIVES

Model Number	Maximum Horsepower	Input Speed (RPM)	Output Speed (RPM)	Reduction Ratio
AT-75	75	3,600	16,000	1:4.44
AT-250	250	3,600	16,000	1:4.44
AT-400	400	3,600	8,132	1:2.26

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BALL MILL DRIVES

Model Number	Maximum Horsepower	Input Speed (RPM)	Output Speed (RPM)
BM-125 HP1	543	908	296
BM-135 HP1	766	1,180	274
BM-155 HP1	1,066	1,180	228
BM-165 HP1	1,250	980	210
BM-165 HP1	1,250	1,180	210

CLASSIFIER DRIVES

Model Number	Maximum Horsepower	Input Speed (RPM)	Output Speed (RPM)	Reduction Ratio
CL-18 CDS	1 X 60	1,000	199	5.03:1
CL-18 CDSA	1 X 25	900	179	5.03:1
CL-24 CDS	2 X 25	900	160	5.62:1

COMPRESSOR DRIVES

Model Number	Frame Sizes	Max Speed (RPM)	Maximum Ratio	Single Stage	Double Stage	Single Helical	Double Helical
CD-HS	18	60,000	8.0:1	Yes	No	Yes	Yes
CD-HSA	6	60,000	8.0:1	Yes	No	Yes	Yes
CD-ST Synchrodrive Horizontal	10	3,600	1:1 to 4:1	N/A	N/A	N/A	N/A
CD-ST Synchrodrive Vertical	8	3,600	1:1 to 4:1	N/A	N/A	N/A	N/A
CD-ST Gear-Pak w/ Gearing	18	3,600	1:1 to 4:1	Yes	Yes	Yes	Yes
CD-10000 WesTech Series	27	20,000	10.8:1	Yes	No	No	Yes
CD-3000 WesTech Series	8	23,200	12.0:1	Yes	No	No	Yes
CD-4000 WesTech Series	36	23,200	0:1	Yes	Yes	No	Yes
CD-30000 WesTech Series	5	32,200	3.0:1	Yes	No	Yes	No

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CONVEYOR DRIVES

Model/Series Number	Frame/Unit Sizes	Maximum Horsepower	Maximum Speed	Maximum Ratio	Gear Reductions	Single Helical	Double Helical	Right Angle
CV-PG Hi-Cap	48	11,500	3,600	438:1	1-4	Yes	No	Yes
CV-PG M-Series	76	18,620	5,000	981:5	1-4	Yes	No	No
CV-PG Spiral Bevel	130	4,792	5,000	981:5	1-4	Yes	No	Yes
CV-PG Synchrodrive	10	20,000	3,600	*	N/A	N/A	N/A	N/A
CV-PG Gear-Pak	10	20,000	3,600 (HSS)	*	1-4	Yes	Yes	Yes
CV-7000 Western Series	38	3,429	1,750	238:1	1-3	Yes	No	No
CV-8000 Western Series	26	16,570	3,600	118:1	1-3	No	Yes	No
CV-9000 Western Series	29	1,723	1,750	250:1	1-3	Yes	No	No

*Soft-start capability permits controlled acceleration of load from rest to normal operating speed.

COOLING TOWER DRIVES

Model Serial Number	Frame Sizes	Max Speed (RPM)	Maximum Ratio	Maximum Horsepower	Single Stage	Double Stage
CT-3400 PG Series	9	1,750	9.75:1	582	Yes	No
CT-DRCT PG Series	6	1,750	19.0:1	810	No	Yes
CT-3500 PG Series	9	1,750	14.0:1	940	No	Yes
CT-2400 Western Series	7	1,750	12.0:1	110	Yes	Yes
CT-2500 WesTech Series	9	1,750	17.0:1	220	Yes	Yes
CT-20000 WesTech Series	5	1,750	25.0:1	401	No	Yes

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FAN DRIVES

Model Number	Maximum Horsepower	Max Speed (RPM)	Heat Dissipation (Thermal HP)	Rated Torque (IN-LB)
FD-H 8	300	3,600	110	5,400
FD-H 12	575	3,600	240	9,900
FD-H 20	825	3,600	325	14,400
FD-H 29	1,300	3,600	450	21,884
FD-H 40	1,575	3,600	550	27,000
FD-H 50	1,925	3,600	725	36,000
FD-H 60	2,400	3,600	780	45,000
FD-H 80	2,900	3,600	920	56,000
FD-H 100	4,000	3,600	1,160	72,000
FD-H 125	5,000	3,600	1,200	90,000
FD-H 165	7,000	3,600	1,540	117,000
FD-H 200	4,000	1,800	1,350	144,000
FD-H 250	5,000	1,800	1,625	180,000
FD-H 300	6,000	1,800	1,900	216,000
FD-H 400	8,500	1,800	2,100	288,000
FD-H 530	10,000	1,800	2,400	360,000
FD-H 700	14,000	1,800	3,500	504,000
FD-H 1000	19,000	1,800	4,000	720,000

GENERATOR DRIVES (LOAD BOXES)

Model Number	Maximum Horsepower	Approximate Input Speed	Generator Speed (RPM)
GD-217 HOL	3,352	13,820	1,800
GD-222 HOL	32,184	4,850	3,600
GD-224 HOL	68,391	5,100	3,600
GD-224 HOL	68,391	5,100	3,000
GD-224.8 HOL	37,550	5,100	3,600
GD-225 HOL	38,889	5,100	3,600
GD-225 HOL	38,889	5,100	3,000
GD-13 HSA	4,420	8,494	1,800
GD-14 HSA	5,502	26,000	3,600
GD-15 HSA	12,419	7,400	1,800
GD-16 HSA	16,830	5,811	1,800
GD-17 HSA	14,751	8,396	1,800
GD-213 HS	9,500	7,500	3,600
GD-19 HS	80,460	5,425	3,600

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PUMP DRIVES (LOW-SPEED)

Model/Serial Number	Max Speed (RPM)	Maximum Ratio	Maximum Gear Stages	Frame/Unit Sizes	Single Helical	Double Helical	Right Angle	Spur
PD-PG Hi-Cap	3,600	438:1	4	48	Yes	No	No	No
PD-PG M-Series	5,000	985:1	4	76	Yes	No	No	No
PD-PG Spiral Bevel	5,000	985:1	4	130	Yes	No	Yes	No
PD-PG In-Line	1,750	438:1	4	19	No	No	No	Yes
PD-PG Vertical Pump	1,760	6.0:1	1	16	N/A	N/A	Yes	N/A
PD-2100 Western Series	5,000	6.2:1	1	10	Yes	No	No	No
PD-7000 Western Series	1,750	238:1	3	38	Yes	No	No	No
PD-8000 Western Series	3,600	118:1	3	26	No	Yes	No	No
PD-9000 Western Series	1,750	250:1	3	29	Yes	No	Yes	No
PD-Right Angle Western Series	1,750	5.0:1	1	11	N/A	N/A	Yes	No

PUMP DRIVES (HIGH-SPEED)

Model Number	Frame Sizes	Max Speed (RPM)	Maximum Ratio	Single Stage	Double Stage	Single Helical	Double Helical
PD-HS	18	60,000	8.0:1	Yes	No	Yes	Yes
PD-HSA	6	60,000	8.0:1	Yes	No	Yes	Yes
PD-ST Synchrodrive Horizontal	10	3,600	1:1 to 4:1	N/A	N/A	N/A	N/A
PD-ST Synchrodrive Vertical	8	3,600	1:1 to 4:1	N/A	N/A	N/A	N/A
PD-ST Gear-Pak w/ Gearing	18	3,600	1:1 to 4:1	Yes	Yes	Yes	Yes
PD-10000 WesTech Series	27	20,000	10.8:1	Yes	No	No	Yes
PD-3000 WesTech Series	8	23,200	12.0:1	Yes	No	No	Yes
PD-4000 WesTech Series	36	23,200	0:1	Yes	Yes	No	Yes
PD-30000 WesTech Series	5	32,200	3.0:1	Yes	No	Yes	No

Speed and Power Ranges by Application Type



ROLLER MILL/PULVERIZER DRIVES

Bevel Helical Pulverizer Drives (First Generation)

Model Number UBHX Series	Maximum Horsepower	Input Speed (RPM)	Ratio
RM-3618	350	870	30.01:1
RM-3633	450	965	35.76:1
RM-3638	700	870	36.64:1
RM-3638	800	870	34.03:1
RM-3643	900	870	33.31:1
RM-3648	900	950	25.34:1

Bevel Planetary Pulverizer Drives (Second Generation)

Model Number MUBHX Series	Maximum Horsepower	Input Speed (RPM)	Ratio
RM-2.1	351	870	33.46:1
RM-3.2	500	870	35.51:1
RM-4.3	800	985	34.41:1
RM-5.4	804	870	37.13:1
Other Bevel Planetary Pulverizer Drives			
RM-1.1	204	870	29.08:1
RM-2.12	351	870	33.59:1
RM-3.2	467	870	35.22:1
RM-7.0	1,500	890	28.33:1
RM-9.2	1,800	990	30.55:1
RM-9.4	1,743	1,176	39.89:1
RM-9.8	1,876	990	33:1
RM-10.4	2,144	1,170	36:1
RM-12.5	2,144	1,180	39.73:1
RM-12.9	2,500	1,170	38.40:1
RM-13.0	2,250	1,180	43.07:1
RM-15.9	3,015	1,170	39.02
RM-17.5	3,216	1,170	40.08:1
RM-20.6	3,350	1,170	44.03:1
RM-20.9	3,685	1,170	41.48:1
RM-22.0	4,000	990	34.74:1