

## TECHNICAL INFORMATION

### MAXIMUM BLADE CUTTING DEPTH

Blade	Diameter	Cutting Depth
<b>CONCRETE SAW BLADES</b>		
	12"	3-3/4"
	14"	4-3/4"
	16"	5-3/4"
	18"	6-3/4"
	20"	7-3/4"
	24"	9-3/4"
	26"	10 3/4"
	30"	12"
	36"	15"
	42"	18"
	48"	20"
<b>HIGH-SPEED SAW BLADES</b>		
	12"	4"
	14"	5"
	16"	6"
<b>WALL SAW BLADES</b>		
	18"	6-1/2"
	24"	9-1/2"
	30"	11-1/2"
	36"	14-1/2"
	42"	17-3/4"
	48"	20-3/4"
<b>MASONRY SAW BLADES</b>		
	14"	5"
	18"	7"
	20"	8"
<b>CONCRETE SAW BLADES</b>		
	6"	1-3/4"
	7"	2-1/4"
	8"	2-3/4"
	9"	3-1/4"
	10"	3-3/4"
<b>HAND SAW BLADES</b>		
	4"	1"
	4-1/2"	1-1/4"
	5"	1-1/2"
	7"	2-1/2"
	8"	3"

Note: Diamond blade cutting depths listed above are approximate. Actual cutting depth will vary with the exact blade diameter or saw type, or diameter of the blade collars (flanges).

### BLADE OPERATING SPEEDS

Diameter	Recommended Operating Speed (RPM)	Maximum Safe Operating Speed (RPM)
4	9,072	15,000
4-1/2	8,063	13,300
5	7,257	12,000
6	6,048	10,185
7	5,184	8,730
8	4,536	7,640
9	4,032	6,790
10	3,629	6,115
12	3,024	5,095
12	HS (HIGH-SPEED) - 6,300	
14	2,592	4,365
14	HS (HIGH-SPEED) - 5,400	
16	2,268	3,820
16	HS (HIGH-SPEED) - 4,800	
18	2,016	3,395
20	1,814	3,055
24	1,512	2,550
26	1,396	2,350
28	1,296	2,185
30	1,210	2,040
32	1,134	1,910
36	1,008	1,700
42	864	1,455
48	756	1,275
54	690	990
60	620	890

### BIT OPERATING SPEEDS

Diameter	Minimum (RPM)	IDEAL (RPM)	Maximum (RPM)
1	2400	3200	4000
2	1200	1600	2000
3	800	1050	1300
4	600	800	1000
5	475	640	800
6	400	530	665
7	340	450	600
8	300	400	500
10	240	320	400
12	200	265	330
14	170	225	285
16	150	200	250
18	130	175	220
20	120	160	200
24	100	130	165
26	90	125	150
30	80	105	130
32	75	100	125
34	70	95	120
36	65	85	110
40	60	80	100
42	55	75	95

## BLADE DEPTH CHARTS

### WALL SAW BLADES

Diameter		Cutting Depth	
18"	450MM	6-1/2"	162MM
24"	600MM	9-11/2"	235MM
30"	750MM	11-1/2"	285MM
36"	900MM	14-11/2"	360MM
42"	1050MM	17-3/4"	440MM
48"	1200MM	20-3/4"	515MM

### HAND SAW BLADES

Diameter		Cutting Depth	
4"	100MM	1"	25MM
4.5"	110MM	1-1/4"	37MM
5"	125MM	1-1/2"	43MM
7"	175MM	2-1/2"	62MM
8"	200MM	3"	75MM

### FLOOR SAW/WALK BEHIND SAW BLADES

Diameter		Cutting Depth	
12"	300MM	3-5/8"	90MM
14"	350MM	4-5/8"	115MM
16"	400MM	5-5/8"	140MM
18"	450MM	6-5/8"	165MM
20"	500MM	7-5/8"	190MM
24"	600MM	9-5/8"	240MM
26"	650MM	10-5/8"	265MM
30"	750MM	11-3/4"	290MM
36"	900MM	14-3/4"	365MM
42"	1050MM	17-3/4"	440MM
48"	1200MM	19-3/4"	490MM

## ELECTRIC SAW GENERATOR GUIDE

MINIMUM WIRE SIZES, AMPS AND GENERATOR REQUIREMENTS FOR MOST ELECTRIC SAWS\*

HP	VOLTS	PHASE	25' TO 50'	100'	100' to 200'	MAX AMPS LOAD	MIN GEN
10	230	3	#10	#8	#6	26 AMPS	15 KW
10	460	3	#12	#10	#4	13 AMPS	15 KW
15	230	3	#8	#8	#6	38.4 AMPS	22 KW
15	460	3	#10	#10	#6	19.2 AMPS	22 KW
20	230	3	#6	#6	#4	46.5 AMPS	30 KW
20	460	3	#10	#8	#6	23.3 AMPS	30 KW
30	230	3	#3	#1	#3/0	72.6 AMPS	42 KW
30	460	3	#8	#6	#4/0	36.3 AMPS	42 KW
40	230	3	#1	#1/0	#3/0	93 AMPS	54 KW
40	460	3	#6	#6	#2	46.5 AMPS	54 KW
50	460	3	#6	#4	#2	61.9 AMPS	71 KW