



Electric Self Feed Drill Units

Technical Data – Drill Units

Model	50 Hz Speed rpm	60 Hz Speed rpm	Chuck Capacity mm	Weight Standard kg
DD5AE03B	300	360	10	11.1
DD5AE05B	500	600	10	11.2
DD5AE08B	800	960	10	11.2
DD5AE11B	1100	1320	10	11.6
DD5AE15B	1500	1800	10	11.4
DD5AE19B	1900	2280	10	11.1
DD5AE28B	2800	3360	10	11.2
DD5AE38B	3800	4560	10	11.3
DD5AE52B	5000	6240	10	11.4
DD5AE65B	6500	7800	10	11.6

Unit Selection Guide

The following chart is intended as a guide only for tool selection. It's important to remember that speed and horsepower requirements vary due to drill type and material.

To use this chart:

Select the type of material being drilled. Then, look at the "Drill Dia" column for that desired hole size. The matrix will show the drill model number that should meet the drilling requirements.

Drill Speed Selection Chart – Material and Recommended Cutting Speeds

Drill Dia.		Aluminium	Brass	Mild Steel	Cast Iron	Alloy Steel 50 ton	Alloy Steel 80 ton	Wood
mm	in	150/200 ft/min 45-60 m/min	100/200 ft/min 30-45 m/min	100/120 ft/min 30-36 m/min	100-150 ft/min 30-45 m/min	30-50 ft/min 9-15 m/min	10-20 ft/min 3-6 m/min	300 ft/min 90 m/min
1.5	1/16	DD5AE65B	DD5AE65B	DD5AE52B	DD5AE52B	DD5AE38B	DD5AE28B	DD5AE65B
2.0	3/32	DD5AE65B	DD5AE65B	DD5AE38B	DD5AE38B	DD5AE28B	DD5AE19B	DD5AE65B
3.0	1/8	DD5AE52B	DD5AE52B	DD5AE28B	DD5AE28B	DD5AE19B	DD5AE15B	DD5AE65B
4.0	5/32	DD5AE38B	DD5AE38B	DD5AE28B	DD5AE28B	DD5AE15B	DD5AE11B	DD5AE65B
4.5	3/16	DD5AE38B	DD5AE38B	DD5AE19B	DD5AE19B	DD5AE11B	DD5AE08B	DD5AE65B
5.5	7/32	DD5AE28B	DD5AE28B	DD5AE15B	DD5AE15B	DD5AE11B	DD5AE08B	DD5AE52B
6.5	1/4	DD5AE28B	DD5AE28B	DD5AE15B	DD5AE15B	DD5AE08B	DD5AE05B	DD5AE52B
7.0	9/32	DD5AE19B	DD5AE19B	DD5AE11B	DD5AE11B	DD5AE05B	DD5AE03B	DD5AE52B
8.0	5/16	DD5AE19B	DD5AE19B	DD5AE11B	DD5AE11B	DD5AE05B	DD5AE03B	DD5AE52B
9.0	11/32	DD5AE15B	DD5AE15B	DD5AE08B	DD5AE08B	DD5AE05B	-	DD5AE38B
10.0	3/8	DD5AE15B	DD5AE15B	DD5AE05B	DD5AE05B	DD5AE03B	-	DD5AE38B

1mm = 0.03937 inches
1 kg = 2.204 pounds

Technical Data	
Stroke Length	75 mm (3")
Air Connections (for Cylinder)	1/4 BSP (female)
Motor - 3 phase supply voltage	
Output kw	Supply Voltage
0.25	220 - 240 Δ
0.25	380 - 420 Y
0.30	220 - 280 Δ
0.30	440 - 480 Y
Frequency Hz	Amps
50	1.3
50	0.75
	60
	60
Minimum Working Pressure	3 bar (40 psi)
Maximum Working Pressure	7 bar (100 psi)
Normal Working Pressure	6 bar (85 psi)
Max. Air Con. at 6 bar (85 psi)	0.472 l/s 1 scfm per 25 strokes or 0.0188 l/s 0.04 scfm per stroke
Noise Level	70 dB(A)
Min. Thrust at 6 bar 85 (psi)	63.5kg (140 lbf.)
Feed Rates	Advance - 305mm/sec (12 in/sec max.) Retract - 305mm/sec (12 in/sec max.)