

5.0 Specifications

Table 1

Model number		JTM-949EVS/230	JTM-949EVS4	JTM-1050EVS2/230	JTM-1050EVS4
Stock number		691500	690701	691600	690801
Motor and Electricals					
Motor type		TEFC			
Horsepower		3 HP (2.24 kW)			
Phase		3			
Voltage		230	460	230	460
Cycle		60 Hz			
Listed FLA (full load amps)		8 A	4 A	8 A	4 A
Motor speed		1720 RPM			
Power transfer		Pulley/gears			
Sound emission ¹	Without load	72 dB (at 3.28 ft. from machine)			
	With load	80 dB (at 3.28 ft. from machine)			
Head and Spindle					
Spindle taper		R8			
Diameter of quill		3.375 in. (85.75 mm)			
Number of spindle speeds		variable			
Range of spindle speeds		60-500 / 500-4500 RPM			
Downfeeds per revolution of spindle		0.0015, 0.003, 0.006 in			
Spindle travel		5 in. (127 mm)			
Head movement, left and right		90 deg.			
Head movement, fore and aft		45 deg.			
Spindle nose to table, Maximum distance		20-3/4 in. (530 mm)			
Spindle center to column, Maximum distance		18-1/8 in. (460 mm)		26-3/4 in. (681 mm)	
Spindle center to column Minimum distance		5.2 in. (132 mm)		5.9 in. (150 mm)	
Collet capacity		1/8 to 7/8 in.			
Ram travel, maximum		8-1/8 in. (206 mm)		17-3/8 in. (440 mm)	
Table and Knee					
Table size		9 x 49 in. (229 x 1245 mm)		10 x 50 in. (250 x 1270 mm)	
Longitudinal table travel, max.		30-3/4 in. (784 mm)		29-7/8 in. (760 mm)	
Table cross travel, max.		12 in. (305 mm)		14-3/4 in. (375 mm)	
Number of T-slots		3			
T-slot size (width x depth)		5/8 x 3/4 in. (15.9 x 19 mm)			
T-slot centers		2-1/2 in. (63.5 mm)			
Table load, max.		660 lbs. (300 kg)		840 lbs. (380 kg)	
Knee travel, max.		15-3/4 in. (402 mm)		16-1/8 in. (412 mm)	
Misc. Dimensions					
Saddle width		20 in. (510 mm)			
Column width		11-3/8 in. (290 mm)			
Overall dimensions, assembled		65-3/4 W x 63 D x 85-3/4 H in. (1670 x 1600 x 2178 mm)			
Weights					
Net weight, approx.		2420 lb. (1100 kg)		2486 lb. (1130 kg)	
Shipping weight, approx.		2552 lb. (1160 kg)		2618 lb. (1190 kg)	

¹ The specified values are emission levels and are not necessarily to be seen as safe operating levels. As workplace conditions vary, this information is intended to allow the user to make a better estimation of the hazards and risks involved only.

The specifications in this manual were current at time of publication, but because of our policy of continuous improvement, JET reserves the right to change specifications at any time and without prior notice, without incurring obligations.

5.1 Machine dimensions – JTM-949EVS and JTM-1050EVS series

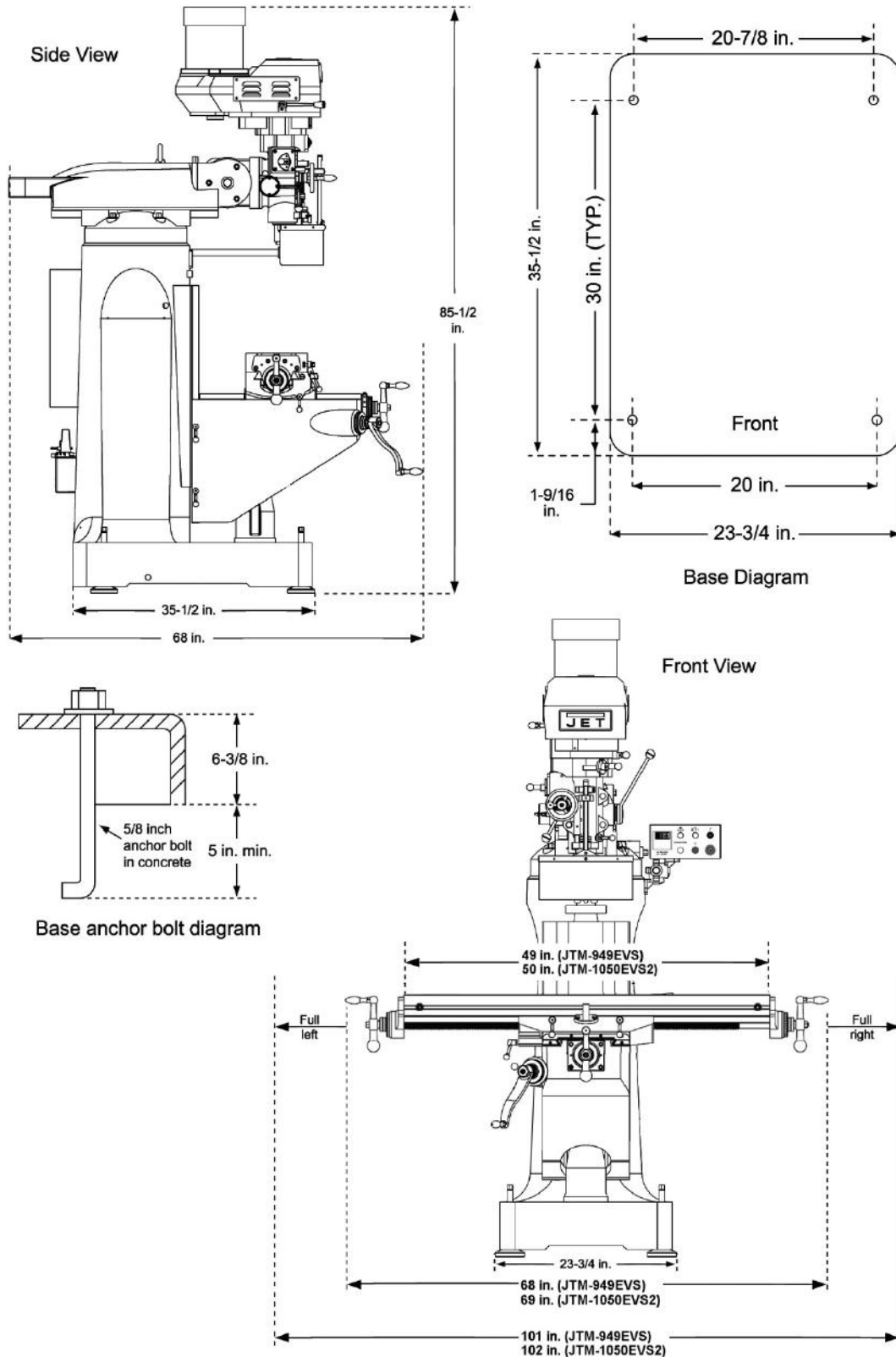


Figure 1: Installation Diagram (JTM-949EVS/230 shown)

5.2 Overview and terminology – JTM-949EVS and JTM-1050EVS series

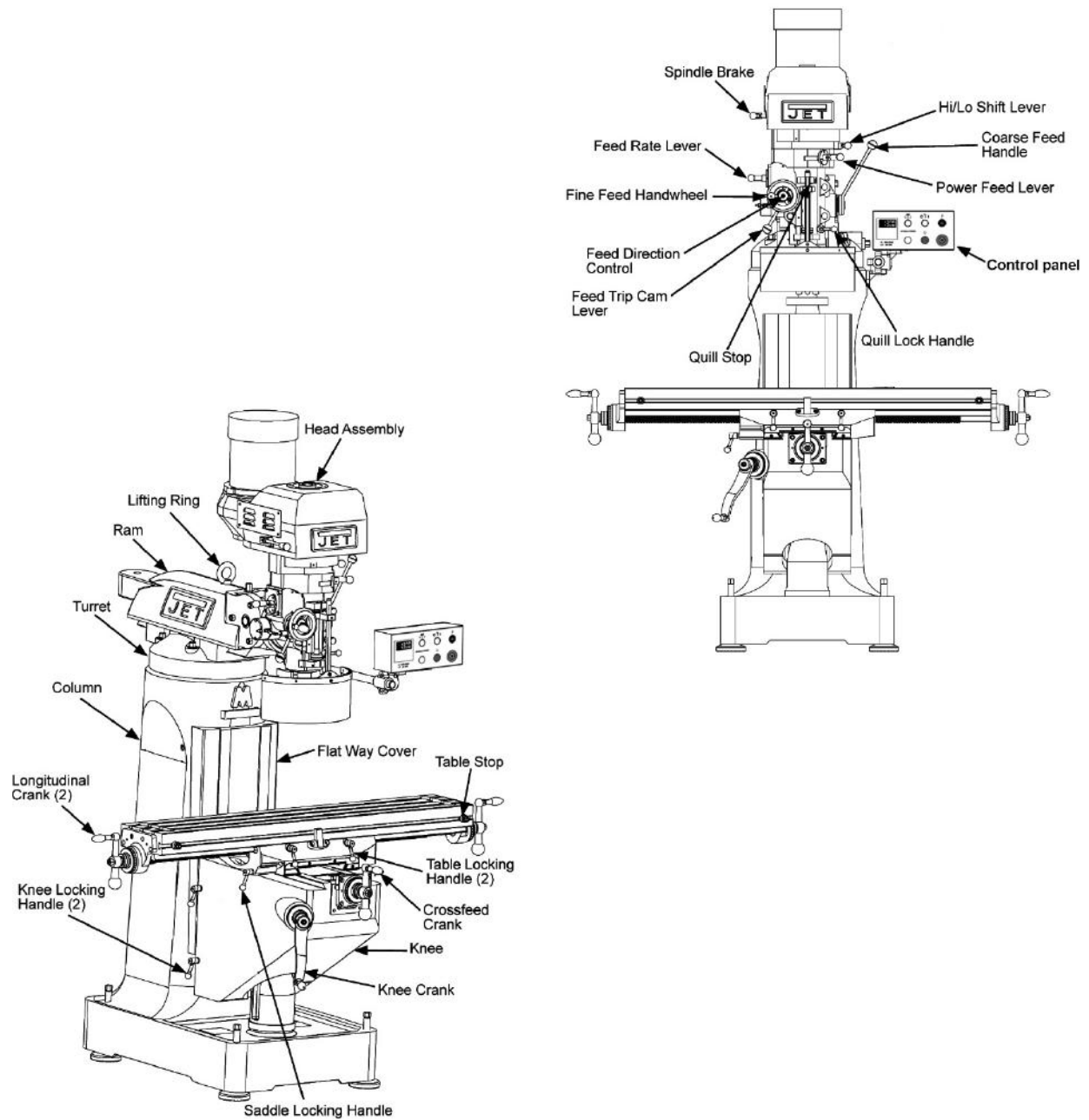


Figure 2: Overview (JTM-949EVS/230 shown)