

Description		Unit	PUMA 2600/L	PUMA 2600M/LM	PUMA 2600MS/LMS	PUMA 2600S/LS	PUMA 2600Y/LY	PUMA 2600SY/LSY	PUMA 3100/L/XL/UL	PUMA 3100M/LM/XLM/ULM	PUMA 3100Y/LY/XLY/ULY
Capacity	Swing over bed	mm (inch)	780 (30.7)						850 (33.5)		
	Swing over saddle	mm (inch)	630 (24.8)						670 (26.4)		
	Recom. Turning diameter	mm (inch)	255 (10.0)						305 (12.0)		
	Max. turning diameter	mm (inch)	480 (18.9)	376 (14.8)		480 (18.9)	376 (14.8)		525 (20.7)	420 (16.5)	
	Max. work length	mm (inch)	760 / 1280 (29.9 / 50.4)						760 / 1280 / 2125 / 3125 (29.9 / 50.4 / 83.7 / 123.0)		
Bar working diameter	mm (inch)	76 (3.0)						102 (4.0)			
Travel	Travel	X-axis	260 [20+240] (10.2 [0.8+9.4])	260 [72+188] (10.2 [2.8+7.4])		260 [20+240] (10.2 [0.8+9.4])	260 [72+188] (10.2 [2.8+7.4])		293 [30.5+262.5] (11.5 [1.2+10.3])	293 [83+210] (11.5 [3.3+8.3])	
		Z-axis	830 / 1350 (32.7 / 53.1)						830 / 1350 / 2190 / 3190 (32.7 / 53.1 / 86.2 / 125.6)		
	Y-axis	-						102 [±5.1] (4.0 [±2.0])		-	
	B-axis	-			830 / 1350 (32.7 / 53.1)			-		130 [±6.5] (5.1 [±2.6])	
Main Spindle	Spindle speed (Belt Type)	r/min	3500						2800		
	Spindle speed (Built-in Type)	r/min	4000						3000		
	Spindle nose		ASA A2#8						ASA A2#11		
	Spindle bearing diameter (Front)	mm (inch)	140 (5.5)						160 (6.3)		
	Spindle through hole diameter	mm (inch)	86 (3.4)						115 (4.5)		
	Min. spindle indexing angle (C-axis)	deg	0.001deg						0.001deg		
Sub-spindle	Spindle speed (Belt [Built-in])	r/min	-		4500 [6000]		-		4500 [6000]		-
	Spindle nose		-		ASA A2-5		-		ASA A2-5		-
	Spindle bearing diameter (Front)	mm (inch)	-		90 (3.5)		-		90 (3.5)		-
	Spindle through hole diameter	mm (inch)	-		62 (2.4)		-		62 (2.4)		-
	Min. spindle indexing angle (C-axis)	deg	-		0.001		-		0.001		-
Turret	No. of tool stations		12	12 [24]		12	12 [24]		10	12	
	OD tool size	mm (inch)	25 (1.0)	25 [20] (1.0 [0.8])		25 (1.0)	25 [20] (1.0 [0.8])		25 (1.0)	25 (1.0)	
	Boring bar diameter	mm (inch)	50 (2.0)	50 [40] (2.0 [1.6])		50 (2.0)	50 [40] (2.0 [1.6])		50 (2.0)	50 (2.0)	
	Indexing time (1st swivel time)	s	0.15						0.15		
	Rotary tool spindle speed	r/min	-		5000		-		5000		5000
Feedrates	Rapid traverse	X-axis	30 (1181.1)						30 (1181.1)		
		Z-axis	30 (1181.1)						30 / 30 / 30 / 26 (1181.1 / 1181.1 / 1181.1 / 1023.6)		
	Y-axis	-						10 (393.7)		-	
	B-axis	-			30 (1181.1)			-		10 (393.7)	
Tail stock	Quill diameter	mm (inch)	100 (3.9)	-		100 (3.9)	-		100 / 100 / 120 / 120 (3.9 / 3.9 / 4.7 / 4.7)		
	Quill bore taper (Live)		MT#5		-		MT#5		MT#5		
	Quill travel	mm (inch)	100 (3.9)	-		100 (3.9)	-		100 / 100 / 120 / 120 (3.9 / 3.9 / 4.7 / 4.7)		
Motor	Main spindle motor	kW (Hp)	22 / 18.5 (29.5 / 24.8)						22 / 18.5 (29.5 / 24.8)		
	Sub spindle motor	kW (Hp)	-		7.5 / 5.5 (10.1 / 7.4)		-		7.5 / 5.5 (10.1 / 7.4)		-
	Rotary tool spindle motor	kW (Hp)	-		5.5 (7.5) (7.4 [10.1])		-		5.5 (7.5) (7.4 [10.1])		5.5 (7.5) (7.4 [10.1])
	Feed motor (X, Z, Y, B-axis)	kW (Hp)	1.6 / 3.0 (2.1 / 4.0)	3.0 / 4.0 (4.0 / 5.4)	3.0 / 4.0 / - / 3.0 (4.0 / 5.4 / - / 4.0)	1.6 / 3.0 / - / 3.0 (2.1 / 4.0 / - / 4.0)	3.0 / 4.0 / 3.0 / - (4.0 / 5.4 / 4.0 / -)	3.0 / 4.0 / 3.0 / 3.0 (4.0 / 5.4 / 4.0 / 4.0)	3.0 / 4.0 [4.0 / 7.0 / 7.0] / 3.0 / - (4.0 / 5.4 [5.4 / 9.4 / 9.4] / 4.0 / -)		
	Coolant pump motor	kW (Hp)	0.4 (0.5)						0.4 (0.5)		
Power source	Electric power supply (Rated capacity)	kVA	40.72	43.5	51.65	48.86	46.4	54.55	41.64/41.64/42.83/42.83	44.42/44.42/45.61/45.61	46.40/46.40/47.59/47.59
Machine size	Machine height	mm (inch)	1900 (74.8)						2163 (85.2)		
	Machine dimension	length	3600 / 4335 (141.7 / 170.7)						3765 / 4285 / 5595 / 6565 (148.2 / 168.7 / 220.3 / 246.7)		
		width	1863 / 1952 (73.3 / 76.9)						1978 / 2067 / 2280 / 2280 (77.9 / 81.4 / 89.8 / 89.8)		
Machine mass	kg (lb)	5400 / 6700 (11904.8 / 14770.8)	5550 / 6850 (12235.5 / 15101.4)	6000 / 7300 (13227.5 / 16093.5)	5850 / 7150 (12896.9 / 15762.8)	6000 / 7300 (13227.5 / 16093.5)	6450 / 7750 (14219.6 / 17085.6)	5850/7350/10150/11650 (12896.9 / 16203.7 / 22376.6 / 23683.5)	6000/7500/10300/11800 (13227.5 / 16534.4 / 22707.3 / 26014.4)	6500/8000/10800/12300 (14329.8 / 17636.7 / 23809.6 / 27116.5)	
Chuck size	mm (inch)	255 (10.0)						305 (12.0)			

- Design and specifications are subject to change without notice.
- Doosan is not responsible for difference between the information in the catalogue and the actual machine.

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