

ST SURFACE GRINDER STP SERIES



STP-1428ADS

618 / 818

M : Manual downfeed

2A : Hydraulic Table, Cross Feed

C II : Hydraulic Table, Cross and Down Feed

1428 / 1834

M : Manual downfeed, rapid up & down

ADH: Auto downfeed by hydraulic

ADS: Auto downfeed by stepping motor & Mitsubishi PLC control with touch screen

SPECIFICATIONS

Unit:mm (inch)

DESCRIPTION / MODEL		STP -618M	STP-2A618	STP -618CII	STP-818M	STP-2A818	STP-818CII	STP-1428	STP-1834
General capacity	Table size	150 x 450 (6"x18")			200 x 450 (8"x18")			300x600 (12"x24")	400x800 (16"x32")
	Max. grinding length	480 (19")			480 (19")			650 (26")	850 (34")
	Max. grinding width	170 (6")			220 (8.7")			310 (12")	410 (16")
	Distance from table surface to spindle center	460 (18")			460 (18")			510 (20")	510 (20")
	Max. table load (incl. chuck)	180kgs (396lbs)			190kgs (419lbs)			400kgs (880lbs)	580kgs (1300lbs)
	Standard mag. chuck size	150 x 450 (6"x18")			200 x 450 (8"x18")			300x600 (12"x24")	400x800 (16"x32")
Longitudinal movement	Manual traverse	530 (20.9")			530 (20.9")			710 (28")	960 (38")
	Hydraulic traverse	N/A	510 (20")		N/A	510 (20")		650 (26")	920 (36")
	Table speed (infi. variable)	N/A	5 - 52M/min		N/A	5 - 52M/min		3-25M/min (10-82 feet/min)	
Cross movement	Manual travel	180 (7")			230 (9")			345 (14")	460 (18")
	Rapid traverse (60HZ / 50HZ)	N/A	170		N/A	220		960/800mm/min (37.8/31.5in/min)	1200/1000mm/min (47.2/40in/min)
	Automatic increment feeds	N/A	0.5-10 (0.02"-0.39")		N/A	0.5 - 10 (0.02"-0.39")		0.5~8(0.02"~0.32")	
	Handwheel per graduation	0.02 (0.001")			0.02(0.001")			0.02 (0.001")	
	Handwheel per revolution	5 (0.2")			5 (0.2")			4 (0.2")	5 (0.2")
Vertical downfeed	Rapid traverse (60HZ / 50HZ)	N/A	N/A	100mm/min	N/A	N/A	100mm/min	190/160mm/min (7.5/6.3 in/min)	
	Automatic downfeed (ADH)	--	--	--	--	--	--	0.002/0.006/0.01 (0.0001"/0.0003"/0.0005")	0.001/0.003/0.005 (0.00005"/0.00015"/0.00025")
	Automatic downfeed (ADS)	--	--	0.001~0.099	--	--	0.001~0.099	0.001~0.099	
	Handwheel per graduation	0.005 (0.0001")			0.005 (0.0001")			0.002 (0.0001")	0.001 (0.00005")
	Handwheel per revolution	1 (0.05")			1 (0.05")			0.2 (0.01")	0.1 (0.005")
Grinding wheel	Dia x width x bore	Ø203 x 12~19 xØ31.75 (Ø8"x1/2"xØ1-1/4")						Ø305x31xØ76 (12"x1-1/4"x3")	Ø355x50xØ127 (14"x2"x5")
	Spindle speed (60HZ / 50HZ)	3450/2850rpm			3450/2850rpm			1710/1425rpm	1710/1425rpm
Motor	Spindle motor	2HP			3HP			3HP	5HP
	Crossfeed motor	N/A	40W		N/A	40W		1/5HP	
	Elevating motor	N/A		1/5HP	N/A		1/5HP	1/4HP	
	Hydraulic motor	N/A	1HP		N/A	1HP		2HP	3HP
Machine	Net Weight	740kgs (1630lbs)	830kgs (1830lbs)	840kgs (1850lbs)	820kgs (1806lbs)	910kgs (2004lbs)	920kgs (2026lbs)	1750kgs (3850lbs)	3500kgs (7700lbs)
	Gross Weight	840kgs (1850lbs)	930kgs (2050lbs)	940kgs (2070lbs)	920kgs (2026lbs)	1010kgs (2225lbs)	1020kgs (2247lbs)	2050kgs (4510lbs)	3800kgs (8360lbs)
	Packing dimension (L x W x H)	1480 x 1120 x 1950 (55"x44"x76")			1585 x 1250 x 1950mm (62.4"x49"x76.8")			1970x2250x2250 (78"x89"x89")	2730x2250x2250 (107"x89"x89")

Note: factory reserves the rights to change design / specifications / mechanisms to improve machine performance without prior notice.