

M&S

SAMSON



MODEL - UFM 3S

**RANGE OF
MILLING
MACHINES**

SPECIFICATIONS

Model		UFS - 3
Table Size	mm	1320 X 360
T-Slots Nos / Width / Pitch	N/mm	5 / 14 / 95
Max. Load on Table	mm	300 KGS
Table Swivel		± 45°
Travels		
X / Y / Z Axis	mm	1000 / 280 / 400
Spindle Taper		ISO - 50
Speeds / Steps		
Vertical	rpm	58 - 1800 / 12
Horizontal	rpm	38 - 1310 / 12
Swivel Angle of Swivel Head		360°
Vertical Spindle Axis to Column Surface	mm	380 - 960
Vertical Spindle Nose to Table Surface	mm	150 - 550
Hor. Spindle Axis to Table Surface	mm	0 - 400
Arm Travel	mm	500
Feeds (Min / Max) / Steps		
X / Y / Z Axis	mm / min	22-420/8, 22-393/8, 10-168/8
X / Y Rapid Speed	mm / min	1290 / 1205
Rapid Travers Vertical	mm / min	513
Power		
Main Motor	kW	4
Feed Motor - X / Y / Z	kW	1.1
Coolant Motor	kW	0.90

UNIVERSAL MILLING MACHINES



MODEL - UFS 3

SPECIFICATIONS

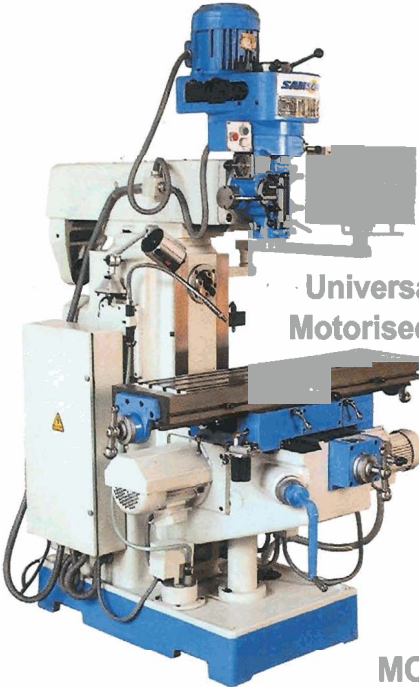
Model		VFM-2S	VFM-3S
Table Size	mm	1270 x 320	1320 x 360
T-Slots Nos / Width / Pitch	N/mm	3 / 14 / 63	3 / 14 / 80
Table Swivel		± 45°	± 45°
Distance between Spindle & Table	mm	0 - 400	0 - 400
Longitudinal Travel	mm	750	1000
Cross Travel	mm	270	280
Vertical Travel	mm	400	400
Feeds / Steps			
Longitudinal Feeds - Min / Max	mm	20 - 740 / 8	22 - 420 / 8
Cross Feeds - Min / Max	mm	20 - 740 / 8	22 - 393 / 8
Vertical	mm	10 - 370 / 8	10 - 168 / 8
Rapid Traverse			
X / Y / Z	mm / min	970 / 970 / 485	1290 / 1205 / 513
Spindle Taper		ISO 40	ISO 50
No. of Speeds / Range	no / rpm	12 / 35 - 1350	12 / 58 - 1800
Distance between Spindle & Table	mm	0-400	0-400
Power			
Main Motor	kW	2.2	4
Feed Motor	kW	1.1	1.5
Coolant Motor	kW	0.04	0.04

VERTICAL MILLING MACHINES



MODEL - VFM 3S

KNEE TYPE MILLING MACHINES



Universal Milling with Motorised Vertical Head

MODEL - URM 2

SPECIFICATIONS

Model		URM2
Table		
Working Surface	mm	1120 x 260
T-Slots No. Width / Pitch	N/mm	3 / 14 / 63
Distance from Spindle - Min / Max	mm	90 - 430
Travels		
X / Y / Z Axis	mm	600 / 270 / 360
Feeds		
No. of Feeds		9
Range of Longitudinal Feeds - X / Y	mm/min	18-310
Rapid - X / Y / Z Axis	mm/min	1024 / 1024 / 600
Spindle		
Spindle Taper - Vertical / Horizontal		ISO 30 / ISO 40
No. of Spindle Speeds		16 (V), 12 (H)
Range of Speeds	rpm	80 - 5440 (V), 40 - 1300 (H)
No. of Spindle Auto Feeds		3
Distance between Spindle and Column	mm	50 - 550
Spindle Travel	mm	127
Power		
Main Motor	kW	2.2 (H)
Spindle Motor	kW	2.2
Feed Motors X, Y axis	kW	0.37
Z axis		0.75
Coolant Motor	kW	0.04

KNEE TYPE MILLING MACHINES



Drilling cum Milling

MODEL - VHF 1

SPECIFICATIONS

Model		VHF1
Table		
Working Surface	mm	800 x 240
T-Slots Nos / Size	N/mm	5 / 14
T-Slot Centre	mm	44
Distance from Spindle - Min / Max	mm	60 - 440
Longitudinal Travel-Auto / Manual	mm	360 / 400
Cross Travel	mm	230
Vertical Travel	mm	350
Spindle		
No. of Speeds		8(V) , 9(H)
Range of Speeds - V / H	rpm	115 - 1750, 60 - 1300
Spindle Taper - Vertical / Horizontal		ISO 40
Arbour Diameter	mm	22 / 27
Distance between Spindle and Column	mm	200 - 700
Spindle Travel	mm	120
Power		
Main Motor - V, H	kW	0.85 / 1.5(V), 1.5(H)
Feed Motor - V	kW	0.37
Coolant Motor	kW	0.04

THE MANUFACTURER RESERVES THE RIGHTS TO MODIFY DESIGN, SPECIFICATIONS , MECHANISM, ETC. TO IMPROVE THE PERFORMANCE OF THIS MACHINE WITHOUT NOTICE.

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