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Product Specifications

WELE - VTM Series

VTM16-20 / VTM20-24

Specification / Machine model	Unit	VTM16-20	VTM20-24
Table diameter	mm (in)	1600 (62.99)	2000 (78.74)
Max. turning height	mm (in)	2000 (78.74)	2400 (94.48)
Max. swing diameter	mm (in)	2000 (78.74)	2400 (94.48)
Distance from table to ram's surface	mm (in)	760 (29.92)	760 (29.92)
X axis travel	mm (in)	-810 to 1180 (-31.89 to 46.46)	-1010 to 1380 (-39.76 to 54.33)
Z axis travel	mm (in)	760 (29.92)	760 (29.92)
Turning spindle speed	rpm	260	200
Turning spindle motor	kW (HP)	37/45 (49/60)	37/45 (49/60)
Turning spindle output torque	Nm	19130(45kW)	25110(45kW)
Turning table loading	kg (lb)	8000 (17636.98)	25110 (22046.22)
Ram surface (square)	mm(in)	226 (8.9)	226 (8.9)
Spindle motor power(Tooling) (*1)	kW(HP)	11/15 (15/20)	11/15 (15/20)
Spindle speed (*1)	rpm	1600	1600
Spindle output torque (*1)	Nm	304	304
Spindle taper for turning (*1)		ISO 50	ISO 50
Spindle taper for milling (*1)		BT 50	BT 50
Tool magazine		16P	16P
X axis rapid traverse	mm (in)	12000 (472.44)	10000 (393.7)
Z axis rapid traverse	mm (in)	8000 (314.96)	8000 (314.96)
X/Z axis feedrate traverse	mm (in)	2000 (78.74)	2000 (78.74)
Linear axis positioning accuracy (VDI)	mm (in)	0.007 / 500 (0.000276) / 19.68	0.007 / 500 (0.000276) / 19.68
Linear axis repeatability accuracy (VDI)	mm (in)	0.003 (0.000118)	0.003 (0.000118)
Cs axis positioning accuracy (VDI) (*1)	arcsec	10"/360°	10"/360°
Cs axis repeatability accuracy (VDI) (*1)	arcsec	5"	5"
Machine height (Max.)	mm (in)	4800 (188.97)	4800 (188.97)
Machine weight (Max.)	kg(lb)	20000 (44092)	23000 (50706)