

BROCHURE

MRDP and HRDP Models

Mechanical Radial Drill Presses

MRDP32x9.....Page 3

Page | 2

MRDP40x10.....Page 4

MRDP40x13.....Page 5

MRDP50x13.....Page 6

MRDP50x16.....Page 7



Specifications

Model:		MRDP 32x9
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	32
	On Stainle Steel	28
	On Cast Iron	32
Max Tapping Diameter:	On Steel SAE 4140	M16
	On Stainle Steel	M16
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	800 mm
	Minimum	200 mm
Headstock Horizontal Travel:		600 mm
Distance Spindler Nose to Base Surface:	Maximum	1160 mm
	Minimum	360 mm
Distance of Arm Elevation:		680 mm
Speed of Arm Elevation:		0.016 m/min
Rotation of Column:		+/-180°
External Diameter of Column		180 mm
Clamping:		Manually
SPINDLE:		
Taper of Spindle:		MT.4
Spindle Speed Range:		108 to 1000 r/min
Spindle Speeds:		6
Spindle Feed Range:		N/A
Spindle Feeds:		N/A
Spindle Travel:		120 mm
Max feed-resistance of Spindle:		5.3 Kn
Max allowable torque of Spindle:		200 Nm
MOTOR:		
Spindle Main Motor:		1.5/2.2 KW
Arm Elevation Motor:		0.25 KW
Hydraulic Clamping Motor:		N/A
Coolant Pump Motor:		0.04 KW
DIMENSIONS/WEIGHT:		
Overall Dimension (L*W*H):		1235*600*1780mm
Packing Dimensions (L*W*H):		1450*750*2200 mm
Gross Weight:		900 kg

Model:		MRDP 40x10
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	40 mm
	On Stainle Steel	35 mm
	On Cast Iron	40 mm
Max Tapping Diameter:	On Steel SAE 4140	M20
	On Stainle Steel	M20
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	900 mm
	Minimum	250 mm
Headstock Horizontal Travel:		650 mm
Distance Spindler Nose to Base Surface:	Maximum	1085 mm
	Minimum	300 mm
Distance of Arm Elevation:		580 mm
Speed of Arm Elevation:		0.017 m/s
Rotation of Column:		+/-180°
Extarnal Diameter of Column		200 mm
Clamping:		Mannually
SPINDLE:		
Taper of Spindle:		MT.4
Spindle Speed Range:		75 to 1220 r/min
Spindle Speeds:		6
Spindle Feed Range:		0.13 to 0.54 mm/r
Spindle Feeds:		3
Spindle Travel:		200 mm
Max feed-resistance of Spindle:		12 Kn
Max allowable torque of Spindle:		270 Nm
MOTOR:		
Spindle Main Motor:		2.2 KW
Arm Elevation Motor:		0.75 KW
Hydraulic Clamping Motor:		N/A
Coolant Pump Motor:		0.04 KW
DIMENSIONS/WEIGHT:		
Overral Dimension (L*W*H):		1500*700*2220 mm
Packing Dimensions (L*W*H):		1600*750*2200 mm
Gross Weight:		1600 kg

Model:		MRDP 40x13
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	40 mm
	On Stainle Steel	35 mm
	On Cast Iron	40 mm
Max Tapping Diameter:	On Steel SAE 4140	M20
	On Stainle Steel	M20
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	1180 mm
	Minimum	240 mm
Headstock Horizontal Travel:		940 mm
Distance Spindler Nose to Base Surface:	Maximum	1220 mm
	Minimum	420 mm
Distance of Arm Elevation:		600 mm
Speed of Arm Elevation:		0.017 m/min
Rotation of Column:		+/-180°
Extarnal Diameter of Column		230 mm
Clamping:		Mannually
SPINDLE:		
Taper of Spindle:		MT.4
Spindle Speed Range:		75 to 1220 r/min
Spindle Speeds:		6
Spindle Feed Range:		0.10 to 0.25 mm/r
Spindle Feeds:		3
Spindle Travel:		220 mm
Max feed-resistance of Spindle:		12 Kn
Max allowable torque of Spindle:		270 Nm
MOTOR:		
Spindle Main Motor:		2.2 KW
Arm Elevation Motor:		1.1 KW
Hydraulic Clamping Motor:		N/A
Coolant Pump Motor:		0.04 KW
DIMENSIONS/WEIGHT:		
Overral Dimension (L*W*H):		1800*800*2300 mm
Packing Dimensions (L*W*H):		1980*900*2250 mm
Gross Weight:		1750 kg

Model:		MRDP 50x13
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	50 mm
	On Stainle Steel	40 mm
	On Cast Iron	50 mm
Max Tapping Diameter:	On Steel SAE 4140	M30
	On Stainle Steel	M30
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	1160 mm
	Minimum	220 mm
Headstock Horizontal Travel:		940 mm
Distance Spindler Nose to Base Surface:	Maximum	1300 mm
	Minimum	660 mm
Distance of Arm Elevation:		420 mm
Speed of Arm Elevation:		0.018 m/s
Rotation of Column:		+/-180°
Extarnal Diameter of Column		280 mm
Clamping:		Manually
SPINDLE:		
Taper of Spindle:		MT.5
Spindle Speed Range:		78 to 1100 r/min
Spindle Speeds:		6
Spindle Feed Range:		0.10 to 0.56 mm/r
Spindle Feeds:		16
Spindle Travel:		220 mm
Max feed-resistance of Spindle:		15.5 Kn
Max allowable torque of Spindle:		290 Nm
MOTOR:		
Spindle Main Motor:		4 KW
Arm Elevation Motor:		1.5 KW
Hydraulic Clamping Motor:		N/A
Coolant Pump Motor:		0.04 KW
DIMENSIONS/WEIGHT:		
Overall Dimension (L*W*H):		2100*1000*2250 mm
Packing Dimensions (L*W*H):		2100*1000*2250 mm
Gross Weight:		2450 kg

Model:		MRDP 50x16
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	50 mm
	On Stainle Steel	45 mm
	On Cast Iron	50 mm
Max Tapping Diameter:	On Steel SAE 4140	M32
	On Stainle Steel	M32
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	1600 mm
	Minimum	350 mm
Headstock Horizontal Travel:		1250 mm
Distance Spindler Nose to Base Surface:	Maximum	1220 mm
	Minimum	320 mm
Distance of Arm Elevation:		580 mm
Speed of Arm Elevation:		1.2 m/min
Rotation of Column:		+/-180°
Extarnal Diameter of Column		350 mm
Clamping:		Mechanical
SPINDLE:		
Taper of Spindle:		MT.5
Spindle Speed Range:		25 to 2000 r/min
Spindle Speeds:		16
Spindle Feed Range:		0.04 to 3.2 mm/r
Spindle Feeds:		16
Spindle Travel:		315 mm
Max feed-resistance of Spindle:		18 Kn
Max allowable torque of Spindle:		500 Nm
MOTOR:		
Spindle Main Motor:		4 KW
Arm Elevation Motor:		1.5 KW
Hydraulic Clamping Motor:		N/A
Coolant Pump Motor:		0.125 KW
DIMENSIONS/WEIGHT:		
Overall Dimension (L*W*H):		2400*1040*2630 mm
Packing Dimensions (L*W*H):		2750*1130*2550 mm
Gross Weight:		3850 kg

Hydraulic Radial Drill Presses

HRDP50x16.....	Page 8
HRDP63x20.....	Page 9
HRDP80x25.....	Page 10



Specifications

Model:		HRDP 50x16
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	50 mm
	On Stainle Steel	45 mm
	On Cast Iron	50 mm
Max Tapping Diameter:	On Steel SAE 4140	M32
	On Stainle Steel	M32
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	1600 mm
	Minimum	350 mm
Headstock Horizontal Travel:		1250 mm
Distance Spindler Nose to Base Surface:	Maximum	1220 mm
	Minimum	320 mm
Distance of Arm Elevation:		580 mm
Speed of Arm Elevation:		0.02 m/s
Rotation of Column:		+/-180°
Extarnal Diameter of Column		350 mm
Clamping:		Hydraulic
SPINDLE:		
Taper of Spindle:		MT.5
Spindle Speed Range:		25 to 2000 r/min
Spindle Speeds:		16
Spindle Feed Range:		0.04 to 3.2 mm/r
Spindle Feeds:		16
Spindle Travel:		315 mm
Max feed-resistance of Spindle:		18 Kn
Max allowable torque of Spindle:		500 Nm
MOTOR:		
Spindle Main Motor:		4 KW
Arm Elevation Motor:		1.5 KW
Hydraulic Clamping Motor:		0.75 KW
Coolant Pump Motor:		0.09 KW
DIMENSIONS/WEIGHT:		
Overral Dimension (L*W*H):		2500*1070*2840 mm
Packing Dimensions (L*W*H):		2560*1110*2560 mm
Gross Weight:		3,650 kg

Model:		HRDP 63x20
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	63 mm
	On Stainle Steel	50 mm
	On Cast Iron	63 mm
Max Tapping Diameter:	On Steel SAE 4140	M36
	On Stainle Steel	M36
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	2000 mm
	Minimum	350 mm
Headstock Horizontal Travel:		1650 mm
Distance Spindler Nose to Base Surface:	Maximum	1420 mm
	Minimum	320 mm
Distance of Arm Elevation:		780 mm
Speed of Arm Elevation:		0.02 m/s
Rotation of Column:		+/-180°
External Diameter of Column		400 mm
Clamping:		Hydraulic
SPINDLE:		
Taper of Spindle:		MT.5
Spindle Speed Range:		25 to 2000 r/min
Spindle Speeds:		16
Spindle Feed Range:		0.04 to 3.2 mm/r
Spindle Feeds:		16
Spindle Travel:		315 mm
Max feed-resistance of Spindle:		23.4 Kn
Max allowable torque of Spindle:		630 Nm
MOTOR:		
Spindle Main Motor:		5.5 KW
Arm Elevation Motor:		1.5 KW
Hydraulic Clamping Motor:		0.75 KW
Coolant Pump Motor:		0.09 KW
DIMENSIONS/WEIGHT		
Overral Dimension (L*W*H):		2900*1130*3090 mm
Packing Dimensions (L*W*H):		3200*13200*2805 mm
Gross Weight:		5,000 kg

Model:		HRDP 80x25
CAPACITY		
Max Drill Capacity:	On Steel SAE 4140	80 mm
	On Stainle Steel	75 mm
	On Cast Iron	80 mm
Max Tapping Diameter:	On Steel SAE 4140	M40
	On Stainle Steel	M40
MACHINE RANGE		
Distance Spindler Axis to Column:	Maximum	2100 mm
	Minimum	450 mm
Headstock Horizontal Travel:		2100 mm
Distance Spindler Nose to Base Surface:	Maximum	1548 mm
	Minimum	348 mm
Distance of Arm Elevation:		800 mm
Speed of Arm Elevation:		0.016 m/s
Rotation of Column:		+/-180°
Extarnal Diameter of Column		450 mm
Clamping:		Hydraulic
SPINDLE:		
Taper of Spindle:		MT6
Spindle Speed Range:		20 to 1600 r/min
Spindle Speeds:		16
Spindle Feed Range:		0.04 to 3.2 mm/r
Spindle Feeds:		16
Spindle Travel:		400 mm
Max feed-resistance of Spindle:		34.3 Kn
Max allowable torque of Spindle:		1568 Nm
MOTOR:		
Spindle Main Motor:		7.5 KW
Arm Elevation Motor:		1.5 KW
Hydraulic Clamping Motor:		0.75 KW
Coolant Pump Motor:		0.125 KW
DIMENSIONS/WEIGHT:		
Overral Dimension (L*W*H):		3600*1500*3437 mm
Packing Dimensions (L*W*H): Base		3600*1500*1200 mm
Spindle		1800*1000*800 mm
Arm		3650*900*900 mm
Gross Weight:		10,200 kg