

Product Brochure For D166

Radial Arm Drill - Z3050x16

Ø50mm Drilling Capacity
 350 - 1600mm Spindle To Column



Ex GST

Inc GST

\$20,450.00 \$22,495.00

ORDER CODE:	D166
MODEL:	Z3050x16
Drill Capacity (mm):	Ø50
Thread Tapping Capacity:	M36
Spindle Taper (MT):	5
Spindle Travel (mm):	315
Quill Diameter (mm):	80
Spindle To Column (min-max) (mm):	350 - 1600
Spindle To Box Table (max) (mm):	750
Spindle To Base (max) (mm):	1250
Table Type:	Square
Box Table Size (LxWxH) (mm):	620 x 500 x 500
T-slot Size (mm):	20
Automatic Quill Feed (mm/rev):	16 (0.04-3.2)
Work Light:	Yes
Coolant System:	Yes
Spindle Speed Steps (No.):	16
Spindle Speed Range (rpm):	25 - 2000
Motor Power (kW / hp):	4 / 5.3
Motor Voltage (V):	415
Nett Weight (kg):	4000



Description

When you need to drill big, heavy and awkward shape parts, no matter what manufacturing or engineering industry you are in, you just cannot go past the enormous Hafco Metalmaster Z3050x16 Radial Arm Drill to accomplish those tasks. This machine boasts a whopping 5 morse taper that can accept a Ø50mm taper shank twist drill directly into the spindle. Another impressive dimension is the substantial 1600mm maximum reach out from the column edge to the spindle centre, and offers superior scope to handle many jobs with this machine.

What sets this drill apart from most others on the market is that it has a great range of 16 speed from 25 to 2000rpm, and 16 automatic spindle feed rates from 0.04 to 3.2mm/rev providing ample room to fine tune the machine to suit any drilling job. The user-friendly hydraulic push button control system simultaneously operates the column & head clamp to securely lock in the required position. To simplify the operation further the spindle speeds & feeds are also hydraulically engaged by a lever control mounted directly under the head, enabling the operator to swiftly activate the machine.

Features

- 5MT spindle with 50mm drilling capacity
- 16 x spindle speeds: 25 ~ 2000rpm
- 16 x automatic spindle feeds: 0.04 ~ 3.2 (mm/rev)
- Hydraulic column & head clamp ensures fixed tool positioning
- Hardened & ground spindle speed gears for smooth operation
- Automatic oil lubrication system for vertical column
- Unique hydraulic operated feed & spindle drive system
- Arm height adjusted via vertical leadscrew & heavy duty induction motor
- High quality fine grain cast iron with ribbing ensures extremely low vibration
- LED work light mounted underneath arm providing direct light on workpiece
- Coolant pump system with flexible hose

Includes

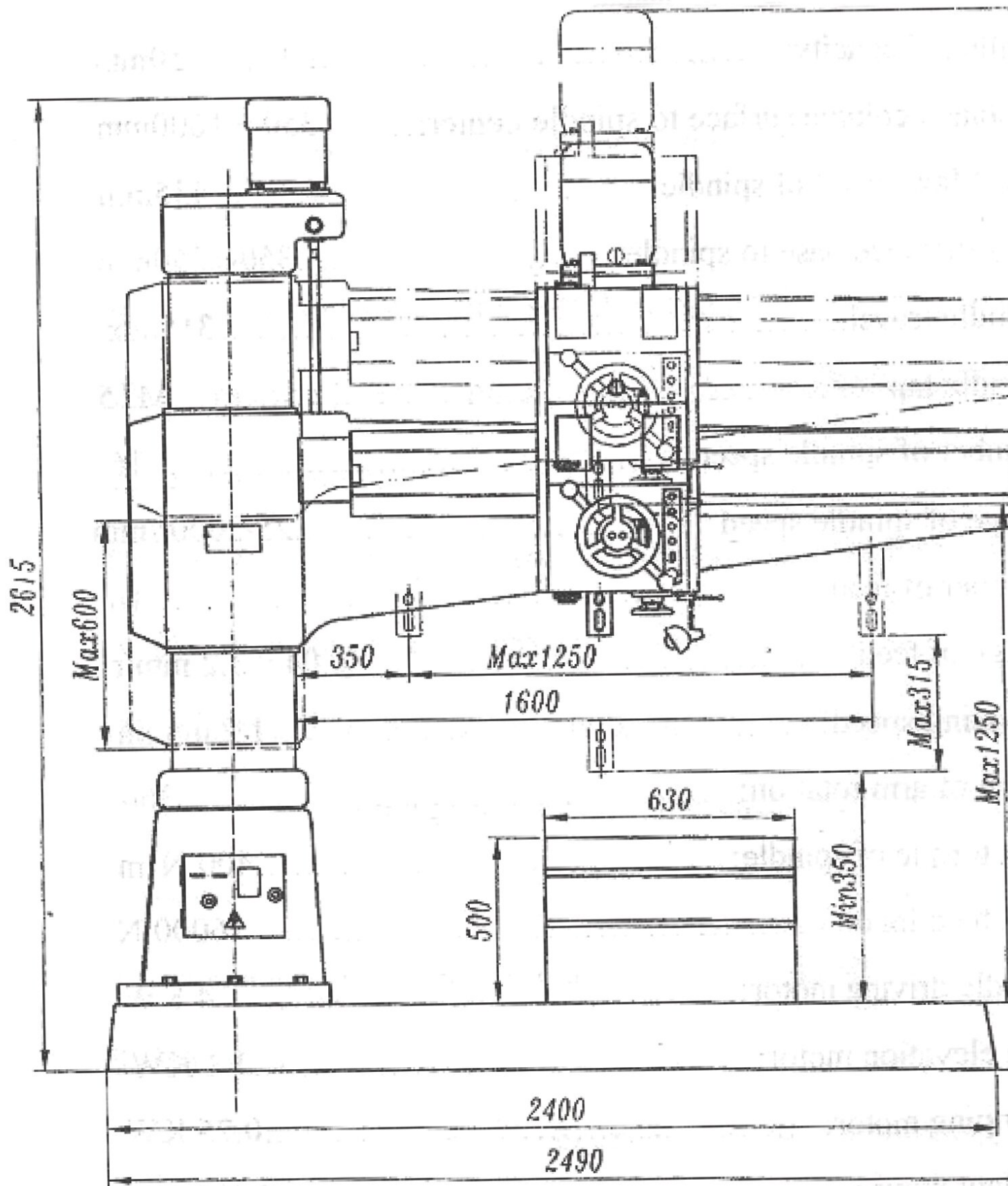
- Box table
- Drill chuck & arbor
- 5-4, 4-3 & 3-2 morse taper sleeves
- Coolant pump
- Auto oil lubricator on column
- LED Work light
- Safety chuck guard



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Specific Features



Front View



Left View



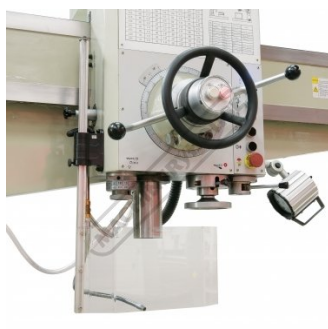
Rear View



Head Controls



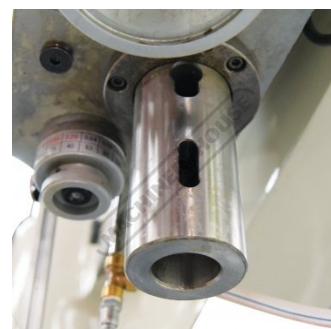
Quill Feed Handle



Safety Chuck Guard and Coolant Hose



Spindle Direction and Vertical Travel Lever



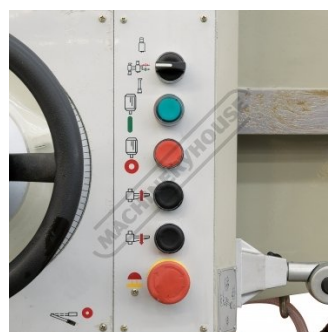
5MT Spindle



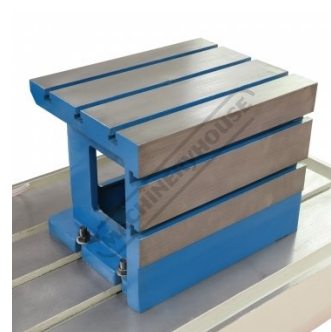
Speed and Feed Selecting Dial



Fine Feed Quill Hand Wheel



Control Panel



Box Table with T Slots



Auto Oil Lubrication For Column



LED Worklight



Coolant Pump



Hydraulic Arm and Head Clamp

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Vertical Travel Safety Limit Switch



Auto Column Lubrication



Lubrication Chart

Z3050x

CHART OF ADVISABLE DRILLING ROTATION SPEED AND FEED

V mm	Steel		Cast Iron		Brass		Aluminium	
	mm/min	m/min	mm/min	m/min	mm/min	m/min	mm/min	m/min
0.4	1250	0.04	1250	0.04	2000	0.18	2000	0.12
0.6	800	0.06	800	0.06	1200	0.13	2000	0.16
0.8	630	0.10	630	0.10	1250	0.13	1250	0.16
1.0	530	0.12	530	0.12	1250	0.13	1250	0.16
1.2	450	0.15	450	0.15	800	0.19	800	0.20
1.6	400	0.20	400	0.25	630	0.19	630	0.20
2.0	320	0.25	320	0.32	500	0.20	630	0.23
2.5	250	0.32	250	0.32	500	0.20	500	0.22
3.2	200	0.40	200	0.40	400	0.22	400	0.40
4.0	160	0.50	160	0.50	320	0.30	320	0.50
5.0	125	0.63	125	0.50	250	0.50	250	0.63

Drilling Chart Guide



Coolant Switch



Main Isolation Switch



Included Accessories

Recommended Accessories

V138

Drill Press Vice

V139

Drill Press Vice

D339

4MT Morse Taper Shank Drill Bit

D381

5MT Morse Taper Shank Drill Bit



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D424

Drill Sleeve - Morse Taper



S090A

Soluble Metal Cutting Fluid - 1 Litre



S090

Soluble Metal Cutting Fluid - 5 Litre



S076

Cutting Tool Lubricant Fluid - 500ml



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S075

Cutting Tool Lubricant Paste - 200g



S074

Cutting Tool Lubricant Paste - 500g



L300

Magnetic Swarf Remover



M9991

Magnetic Floor Sweeper



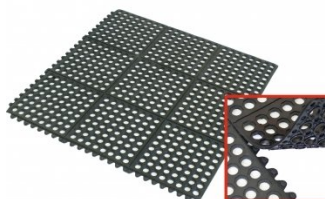
M800

Rubber Mat - Anti-Fatigue



M805

Rubber Mat - Anti-Fatigue



O000

SpillFix Universal Organic Absorbent



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O043

Rust & Corrosion Preventive



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive



O044

Rust & Corrosion Preventive

