



MILLAT TRACTORS LIMITED

Product Guide Book



Vision

“ Millat to be a global group of companies, recognized for a range of quality products with innovative design capabilities.”

Mission

“ To be market leader in agricultural tractors and machinery, building company’s image through innovation and competitiveness, grow by expanding market and investing into group companies, ensuring satisfaction to customers and stakeholders and to fulfill social obligations.”

Dear Customers

This booklet is a brief introduction and customer friendly guide to Millat Tractors Limited and the wide range of products that we offer to match the farming and industrial needs of modern day users to help you understand and select our quality products which suits best your requirements.

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- 1) **Tractors, Implements and Price Quote for Corporate customers:**
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Call: +92-42-3792-2259
- 2) **Gen Sets, Forklift Trucks and Prime Movers:**
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CONTENTS

COMPANY MILESTONES AND BASIC INFO	1
LIST OF AWARDS RECEIVED	2-3
Chapter - 1 MILLAT Agricultural Tractors	4
MF 240 TRACTOR	5-6
MF 350 PLUS TRACTOR	7-8
MF 260 TRACTOR	9-10
MF 360 TRACTOR	11-12
MF 360 4WD TRACTOR	13-14
MF 375 TRACTOR	15-16
MF 375 4WD TRACTOR	17-18
MF 385 TRACTOR	19-20
MF 385-4WD TRACTOR	21-22
MF 455-4WD TRACTOR	23-24
	25
Chapter - 2 MILLAT Tractor Attachments & Agri - Implements	26
FODDER HARVESTOR	27
MILLAT JF 1000 AT	28
FODDER CHOPPERS	29
MILLAT WHEAT STRAW CHOPPER	30
MF 1840 BALER	31
MILLAT LASER LAND LEVELER	32-33
CHISEL PLOUGH	34
MOULD BOARD PLOUGH	35
DISC PLOUGH	36
TINE TILLERS	37
FOLDING TINE TILLERS	38
OFFSET DISC HARROWS	39
MILLAT ROTAVATOR	40
RICE PUDDLER	41
RIDGERS	42
POST HOLE DIGGER	43
MULTI-PURPOSE REAR BLADE	44
FRONT BLADES	45
AGRICULTURAL LOADERS	46
MILLAT COMMERCIAL LOADER	47
MILLAT BACK HOE	48
HYDRAULIC TIPPING TRAILER	49
HYDRAULIC TIPPING TRAILER	50
ADJUSTABLE PINTLE HOOKS	51
SWINGING DRAW BAR	52
JIB CRANE	53
MILLAT LAWN MOWER	54
MILLAT ROTARY SLASHER	55
MILLAT BROMMER	56
MECHANICAL ROAD SWEEPER	57
MILLAT MINI TIPPERS	58-59
MILLAT WATER BOWZERS	60
	61
Chapter - 3 Industrial Products	62
MILLAT GENERATING SETS (12.5 - 50 kVA)	63-64
MILLAT GENERATING SETS (60 - 250 kVA)	65-66
MILLAT FORKLIFT TRUCK	67-68
MILLAT PRIME MOVERS	69-70
LIST OF MTL OFFICES	71
SERVICE AT YOUR DOOR STEP - MTL DEALERS	72-78



MILLAT TRACTORS LIMITED

LEADERS ALL THE WAY.....

1 - Milestones:

- 1964 Company Established.
- 1972 Nationalized .
- 1973 Licensing & Transfer of Technology Agreement with MF, UK.
- 1973 Licensing & Transfer of Technology Agreement with Perkins, UK.
- 1982 Inauguration of Engine Assembly Plant.
- 1984 Inauguration of Machining Plant.
- 1990 Perkins Distributor Agreement.
- 1992 Employees Buy Out.
- 1992 Inauguration of new Tractor Assembly Plant.
- 1993 Bolan Castings Limited - Buy Out.
- 1994 Mass Production - Generating Sets.
- 1994 Millat Equipment Limited established.
- 1998 ISO 9002 certification achieved.
- 2000 Licensing Agreement - Heli Forklift Trucks (China).
- 2002 Quality Management system upgraded to ISO 9001:2000.
- 2002 Millat Industrial Products Limited established.
- 2012 TIPEG Intertrade JLT, UAE Established.
- 2014 Golden Jubilee Year.
- 2015 Export Agreement with AGCO (Millat's MF Models).
- 2017 Launch of Emission Compliant Diesel Engines and Export Tractor Models.

2 - Total Area: 155,431 sq.m (1,673,100 sq. ft) about 50 Acres.

Covered Area: 35,569 sq.m (382,875 sq.ft)

Greenfield Area: 119,862 sq.m (1,290, 225 sq.ft)

3 - Products:

- MF 240 (50 hp) Tractor,
- MF 350 Plus (50 hp) Tractor,
- MF 260 Turbo (60 hp) Tractor,
- MF 360 Turbo (60 hp) Tractor, (2WD / 4WD)
- MF 375 (75 hp) Tractor, (2WD / 4WD)
- MF 385 (85 hp) Tractor,
- MF 385-4WD (85 hp) Tractor,
- MF 455-4WD (100 hp) Tractor,
- Generating Sets (12.5-50 kVA),
- Generating Sets (60-250 kVA),
- Prime Movers,
- Forklift Trucks (3,3.5,4 Ton capacity),
- Range of Agricultural Implements,
- Range of Spare Parts.

4 - Marketing Network:

Regional Offices	5
Sales Regions	13
Main Dealers	81
Authorized W/shops	515
Parts Dealers	50



MILLAT TRACTORS LIMITED

LIST OF AWARDS

- 1 1979 Top 25 Companies Award
Karachi Stock Exchange
- 2 1980 Top 25 Companies Award
Karachi Stock Exchange
- 3 1981 Top 25 Companies Award
Karachi Stock Exchange
- 4 1982 Top 25 Companies Award
Karachi Stock Exchange
- 5 1982 Corporate Excellence Award
Management Association of Pakistan
- 6 1983 Corporate Excellence Award
Management Association of Pakistan
- 7 1984 Corporate Excellence Award
Management Association of Pakistan
- 8 1984 Top 25 Companies Award
Karachi Stock Exchange
- 9 1984 2nd Client Performance Award
All Pakistan Newspapers Society
- 10 1984 Award for achievement
Massey Ferguson, UK
- 11 1985 Top 25 Companies Award
Karachi Stock Exchange
- 12 1985 3rd Prize for Annual Report
Instt. of Chartered Secretaries &
Administrator of Pakistan
- 13 1985 3rd Prize, 2nd National Industrial Exhibition
Rawalpindi Chamber of Commerce and Industry
- 14 1986 Corporate Excellence Award
Management Association of Pakistan
- 15 1987 1st Prize for Annual Report
Instt. of Chartered Secretaries &
Administrator of Pakistan
- 16 1989 Excellence in Management Award
Ministry of Production, Islamabad
- 17 1989 Top 25 Companies Award
Karachi Stock Exchange
- 18 1991 1st Prize for Annual Report
Instt. of Chartered Secretaries &
Administrator of Pakistan
- 19 1993 Top 25 Companies Award
Karachi Stock Exchange
- 20 1994 Top 25 Companies Award
Karachi Stock Exchange
- 21 1995 Top 25 Companies Award
Karachi Stock Exchange
- 22 1996 Top 25 Companies Award
Karachi Stock Exchange
- 23 1997 Top 25 Companies Award
Karachi Stock Exchange



MILLAT TRACTORS LIMITED

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|----|------|---|
| 24 | 1998 | Top 25 Companies Award
Karachi Stock Exchange |
| 25 | 1999 | Top 25 Companies Award
Karachi Stock Exchange |
| 26 | 2000 | 1st Prize for Annual Report
Instt. of Chartered Secretaries &
Administrator of Pakistan |
| 27 | 2000 | Highest Achievement of Indigenization Award
The Pakistan Instt. of Automotive Parts &
Accessories Manufacturers |
| 28 | 2000 | Best Corporate Report Award
Joint Committee of ICAP & ICMAP |
| 29 | 2000 | Top 25 Companies Award
Karachi Stock Exchange |
| 30 | 2000 | Corporate Excellence Award
Management Association of Pakistan |
| 31 | 2001 | Best Corporate Report Award
Joint Committee of ICAP & ICMAP |
| 32 | 2002 | Best Corporate Report Award
Joint Committee of ICAP & ICMAP |
| 33 | 2007 | Best Corporate Report Award
Joint Committee of ICAP & ICMAP |
| 34 | 2009 | 1st Position Award as Largest Tractor and Farm
Machinery Manufacturer Company
at Kissan Convention 2009 by Government of
Pakistan. |
| 35 | 2009 | Top 25 Companies Award
Karachi Stock Exchange |
| 36 | 2010 | Asia's Best 200 Under a Billion \$ Companies
Forbes Global Magazine |
| 37 | 2011 | Asia's Best 200 Under a Billion \$ Companies
Forbes Global Magazine |
| 38 | 2011 | Corporate Excellence Award
Management Association of Pakistan |
| 39 | 2012 | Asia's Best 200 Under a Billion \$ Companies
Forbes Global Magazine |
| 40 | 2012 | 16th Largest Company with Exceptional
Performance in Global Tractor Manufacturing Industry
Plimsoll - UK |
| 41 | 2012 | Top 25 Companies Award
Karachi Stock Exchanges |
| 42 | 2013 | Top 25 Companies Award
Karachi Stock Exchanges |
| 43 | 2015 | Top 25 Companies Award
Karachi Stock Exchanges |
| 44 | 2016 | "Tractor & Agriculture Implements" sector Award
The Federation of Pakistan Chambers of
Commerce & Industry (FPCCI) |
| 45 | 2016 | "2nd Best Company of Pakistan"
Pakistan Stock Exchange (PSX) |
| 46 | 2016 | "Brands of The Year Award" in Category of 'Tractors'
Brands Foundation of Pakistan |
| 47 | 2017 | "Corporate Excellence Award"
Management Association of Pakistan |
| 48 | 2017 | "Best Export Performance Award (Tractors)"
Lahore Chamber of Commerce & Industry |
| 49 | 2018 | "The Top 25 Companies Award - 2018
Pakistan Stock Exchange |
| 50 | 2019 | "The Top 25 Companies Award - 2019
Pakistan Stock Exchange |
| 51 | 2020 | "35th Corporate excellence award 2020
Management Association of Pakistan |



MILLAT TRACTORS LIMITED

Chapter - 1

MILLAT

**Agricultural
Tractors**



MILLAT'S MF 240

**"The Most Popular &
Economical Tractor"**

Product Features

- Most Economical in 50 hp Range.
- Fuel Efficient, High Performance Engine.
- Rugged, Maneuverable and Compact.
- Ideal & Versatile
- Spring Suspension Deluxe Seat.
- Availability of Parts & Service Facilities at your doorstep.





MILLAT'S MF 240 Specifications

PERFORMANCE

Engine power at 2,250 rpm	50 (B.S.) hp*
Torque at 1,400 Engine rpm	172 Nm
PTO power at rated engine speed	44 hp**

* Certified to BS AU 141a: (1971)

** Manufacturer's estimate

ENGINE

Type	Diesel / AD 3.1524
No. of cylinders	3
Injection	Direct
Bore	91.5 mm
Stroke	127.0 mm
Capacity (litres)	2.5
Compression ratio	16.5:1
Aspiration	Natural
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet
Fuel filter	Dual, high capacity
Exhaust	Vertical

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Starter Motor	2.2 kW
Alternator	32 Amp.

CLUTCH

Type	Dual clutch
Diameter	305x254 mm

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,250 engine rpm with 12.4/11-28 rear tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.5
Forward 2	3.7
Forward 3	5.0
Forward 4	6.7
Forward 5 (First high)	10.0
Forward 6	14.7
Forward 7	20.1
Forward 8	27.0
Reverse 1 (Low)	3.4
Reverse 2 (High)	13.6

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response control, Constant pumping
Pump Type	Reciprocating Ferguson Pump
Oil Flow	16 l /min
Pressure	19.2 MPa
Lift capacity with lower links horizontal	1,415 kg
Lower Links	With Cat. I & II interchangeable balls

FRONT AXLE

Type	Box Section, Adjustable
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STEERING

Type	Manual
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REAR AXLE AND BRAKES

Brake Type	Out board drum brakes
Actuation	Mechanical, Independent or locked together
Parking Brake	Hand Lever Operated
Differential lock	Mechanical

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, Brake light & Auxiliary socket

TYRES

Front	6.00-16 (6PR)
Rear	12.4/11-28 (6 PR)

TRACK ADJUSTMENT

Front	1,245-1,854 mm
Rear	1,219-1,930 mm

WEIGHT AND DIMENSIONS (Approx.)

(With 6.00-16 front & 12.4/11-28 rear wheel and with full fuel, oil and water)

Gross Weight	1,650 kg
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Dimensions

Wheel base	1,892 mm
Overall length	3,260 mm
Overall width (min.)	1,651 mm

Height

Over exhaust	2,145 mm
Over steering wheel	1,410 mm

Turning circle

With brakes	5,560 mm
Without brakes	6,200 mm

Ground clearance

Under gear box	338 mm
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CAPACITIES

Fuel Tank	47.5 l
Engine sump	6.96 l
Cooling system	10.2 l
Hydraulic system	33.0 l
Steering box	0.75 l
Oil bath air cleaner	0.75 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat-I & II balls, Check chains, Spring suspension seat, Flat top fenders, Operator's and Service manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S 350 Plus

**"Efficient, Economical
and Easy to Operate"**

Product Features

- Robust Straddle Rear Axle with Epicyclic Reduction Unit
- Durable Crown Wheel / Pinion.
- Hydrostatic Power Steering.
- Heavy-Duty Front Axle & Support.
- Efficient Oil-Immersed Multi-Disc Brake System
- Longer Wheel Base / Greater Pulling Power.
- Fuel Efficient, High Performance Engine.
- Spring Suspension Deluxe Seat
- Easy Accessibility to Service / Maintenance Points.





MILLAT'S MF 350 Plus Specifications

PERFORMANCE

Maximum engine power at 2,250 rpm	50 (B.S.) hp*
Maximum torque at 1,400 engine rpm	172 Nm
Maximum PTO power at rated engine speed	44 hp**

* Certified to BS AU 141a: (1971)

** Manufacturer's estimate

ENGINE

Make / Type	Diesel / AD 3.152
No. of cylinders	3
Injection	Direct
Bore	91.4 mm
Stroke	127.0 mm
Capacity (litres)	2.5 l
Compression ratio	16.5:1
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet, air swirl
Fuel filter	Dual, high capacity
Exhaust	Vertical, Muffler under Bonnet

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Starter	2.2 kW
Alternator	32 Amp.

CLUTCH

Type	Dual
Diameter	305x254 mm

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,250 engine rpm with 12.4/11-28 rear tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.4
Forward 2	3.5
Forward 3	4.8
Forward 4	6.5
Forward 5 (First high)	9.6
Forward 6	14.1
Forward 7	19.2
Forward 8	26.0
Reverse 1 (Low)	3.3
Reverse 2 (High)	13.1

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response Control, Constant pumping
Pump Type	Reciprocating Ferguson
Maximum Oil Flow	16.70 l / min
Maximum pressure	21 Mpa at normal operating temperature
Max. lift capacity at lower links horizontal	2,145 kg
Lower Links	Cat. I & II with interchangeable balls

FRONT AXLE

Type	Box Section, Adjustable
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STEERING

Type	Hydrostatic
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REAR AXLE AND BRAKES

Brake Type	Oil immersed, multi-disc
Brake Actuation	Mechanical

Axle Type	Straddle with Epicyclic Reduction Unit
Parking brake	Hand Lever Operated
Differential lock	Mechanical

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Battery charge, Headlight main beam, Low engine oil pressure, Brake light and Auxiliary socket

TYRES

Front	6.00 -16 (6PR)
Rear	12.4/11-28 (6 PR)

TRACK ADJUSTMENT

Front	1,275-1,884 mm
Rear	1,438-2,125 mm

WEIGHT AND DIMENSIONS (APPROX)

(With 6.00-16 front and 12.4/11-28 rear wheel and with full fuel, oil and water)

Weight	
Gross Weight	1,940 kg

Dimensions

Wheel base	2,022 mm
Overall length	3,390 mm
Overall width	1,820 mm

Height

Over Exhaust	2,200 mm
Over Steering Wheel	1,520 mm

Turning circle

With brakes	5,440 mm
Without brakes	7,100 mm

Ground clearance

under gear box	380 mm
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CAPACITIES

Fuel Tank	45.0 l
Engine sump	6.95 l
Cooling system	11.7 l
Hydraulic system	38.0 l
Steering box	1.75 l
Oil bath air cleaner	0.75 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat- I & II balls, Check Chains, Spring Suspension Seat, Flat Top Fenders, Operator's & Service manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 260

"A Multi-Purpose Tractor"

Product Features

- High performance, Fuel Efficient, Diesel Turbocharged Engine.
- Less Smoke Emission due to Better Fuel Burning.
- Oil Cooler Added for Effective Cooling.
- High PTO Power for Efficient Operation of tube Wells, Rotavators, Threshers etc.
- Robust Straddle Rear Axle.
- Efficient Oil Immersed Multi-Disc Brakes.
- Spring Suspension Deluxe Seat.





MILLAT'S

MF 260 Specifications

PERFORMANCE

Engine power at 2,250 rpm	60 (B.S.) hp*
Torque at 1,600 Engine rpm	212 Nm
PTO power at rated engine speed	48 hp**

* Certified to BS AU 141a: (1971)

** Manufacturer's estimate

ENGINE

Type	Diesel / T.3 1524
No. of cylinders	3
Injection	Direct
Bore	91.5 mm
Stroke	127 mm
Capacity (litres)	2.5 l
Aspiration	Turbo
Compression ratio	16.5:1
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet
Fuel filter	Dual, high capacity
Exhaust	Vertical
Oil Cooler	Air Cooled, Fin Type

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Starter motor	2.2 kW
Alternator	45 Amp.

CLUTCH

Type	Dual
Diameter	305x254 mm

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,250 engine rpm with 14.9/13-28 rear tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.6
Forward 2	3.8
Forward 3	5.2
Forward 4	7.0
Forward 5 (First high)	10.4
Forward 6	15.2
Forward 7	20.8
Forward 8	27.9
Reverse 1 (Low)	3.5
Reverse 2 (High)	14.1

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control Position control, Response Control, Constant pumping
Pump Type	Reciprocating Ferguson Pump
Maximum Oil Flow	16 l / min
Pressure	21 MPa at normal operating temperature
Lift capacity at lower links horizontal	2,145 kg.
Lower Links	Cat. I & II with interchangeable balls

FRONT AXLE

Type	Box Section, Adjustable
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STEERING

Steering	Manual
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REAR AXLE AND BRAKES

Axle Type	Straddle with epicyclic reduction unit
Brake Type	Oil immersed, multi-disc
Brakes Actuation	Mechanical
Parking Brake	Hand Lever Operated

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, Brake lights & Auxiliary socket

TYRES

Front	7.50-16 (6PR)
Rear	14.9/13-28 (6 PR)

TRACK ADJUSTMENT

Front	1,245-1,854 mm
Rear	1,423-2,134 mm

WEIGHT AND DIMENSIONS (Approx.)

(With 7.50-16 front and 14.9/13-28 rear wheel and with full fuel, oil and water)

Weight	
Gross Weight	1,900 kg
Dimensions	
Wheel base	1,892 mm
Overall length	3,260 mm
Overall width (min)	1,890 mm
Height	
Over Exhaust	2,200 mm
Over Steering Wheel	1,490 mm
Turning circle	
With brakes	5,840 mm
Without brakes	6,580 mm
Ground clearance	
Under gear box	400 mm

CAPACITIES

Fuel Tank	47.5 l
Engine sump	6.96 l
Cooling system	11.7 l
Hydraulic system	38.0 l
Steering box	0.75 l
Oil bath air cleaner	0.75 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat I & II balls, Check chains, Spring suspension seat, Flat top fenders, & Operator's & Service Manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 360

"Robust, Reliable & Rugged"

New Features

- Hydrostatic Power Steering.
- Heavy Duty Front Axle & Support.
- Water Cooled - Oil Cooler.
- Longer Wheel Base / Greater Pulling Power.

Other Features

- High Performance, Fuel Efficient, Diesel Turbocharged Engine.
- Robust Straddle Rear Axle with Epicyclic Reduction Unit.
- Efficient Oil-Immersed Multi-Disc Brake System.
- Durable Crown Wheel / Pinion.
- High PTO Power.





MILLAT'S MF 360 Specifications

PERFORMANCE

Maximum engine power 2,250 rpm	60 (B.S.) hp*
Maximum torque at 1,600 engine rpm	212 Nm
Maximum PTO power at rated engine speed	48 hp**

*Certified to BS AU 141a

** Manufacturer's estimate

ENGINE

Make / Type	Diesel / T3.1524
No. of cylinders	3
Injection	Direct
Bore	91.4 mm
Stroke	127.0 mm
Capacity	2.5ℓ
Aspiration	Turbo
Compression ratio	16.5:1
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet, air swirl
Fuel filter	Dual, high capacity
Exhaust	Vertical
Oil Cooler	Water Cooled

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Starter motor	2.2 kW
Alternator	45 Amp.

CLUTCH

Type	Dual
Diameter	305x254 mm

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,250 engine rpm with 14.9/13-28 rear tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.6
Forward 2	3.8
Forward 3	5.2
Forward 4	7.0
Forward 5 (First high)	10.4
Forward 6	15.2
Forward 7	20.8
Forward 8	28.0
Reverse 1 (Low)	3.5
Reverse 2 (High)	14.1

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response Control, Constant pumping
Pump Type	Reciprocating Ferguson Pump
Maximum Oil Flow	16 ℓ / min
Maximum Pressure	21 MPa at normal operating temperature
Max. lift capacity at lower links horizontal	2,145 kg.
Lower Links	With Cat. I & II interchangeable balls

FRONT AXLE

Type	Box Section, Adjustable
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STEERING

Type	Hydrostatic
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REAR AXLE AND BRAKES

Brake Type	Oil immersed, multi-disc
Brakes Actuation	Mechanical
Axle Type	Straddle axle with Epicyclic Reduction Unit
Parking Brake	Hand Lever Operated
Differential lock	Mechanical

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, Brake lights & Auxiliary socket

TYRES

Front	7.50-16 (6PR)
Rear	14.9/13-28 (6 PR)

TRACK ADJUSTMENT

Front	1,275-1,884 mm
Rear	1,438-2,125 mm

WEIGHT AND DIMENSIONS (APPROX)

(With 7.50-16 front & 14.9/13-28 rear wheel and with full fuel, oil and water)

Weight

Gross Weight	2,010 kg
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Dimensions

Wheel base	2,032 mm
Overall length	3,353 mm
Overall width (min)	1,890 mm

Height

Over Exhaust	2,236 mm
Over Steering Wheel	1,499 mm

Turning circle

With brakes	5,867 mm
Without brakes	6,833 mm

Ground clearance

Under gear box	400 mm
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CAPACITIES

Fuel Tank	47.5 ℓ
Engine sump	6.96 ℓ
Cooling system	11.7 ℓ
Hydraulic system	38.0 ℓ
Steering box	1.75 ℓ
Oil bath air cleaner	0.75 ℓ

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat I & II balls, Check chains, Spring suspension seat, Flat top fenders, Operator's & Service Manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 360 - 4WD

"The Most Powerful 4WD Tractor of Medium Horsepower Range in Pakistan"

Product Features

- Durable & Highly Fuel Efficient Turbocharged Engine
- Longer Wheel Base
- Water Cooled Oil Cooler For Effective Cooling
- Hydraulically actuated Efficient Oil Immersed Multi Disc Brake System
- Robust Straddle Rear Axle With Epicyclic Reduction Unit
- Less Tyre Wear
- New Spring Suspension Deluxe Seat
- Hydrostatic Power Steering
- Smart Steering Wheel for Reduced Steering Effort
- Heavy Duty 4WD Front Axle
- Improved Draw Bar Pull
- Improved Traction



**MILLAT'S**

MF 360 - 4WD Specifications

PERFORMANCE

Engine power at 2,200 rpm	60 (B.S.) hp*
Torque at 1,400 Engine rpm	221 Nm
PTO power at rated engine speed	48 hp**

*Certified to BS AU 141a
 ** Manufacturer's estimate

ENGINE

Type	Diesel / T 3.1524
No. of cylinders	3
Injection	Direct
Bore	91.4 mm
Stroke	127 mm
Capacity (litres)	2.5 l
Aspiration	Turbo
Compression ratio	16.5:1
Starting aid	Thermostat
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet, air swirl
Fuel filter	Dual, high capacity
Exhaust	Vertical

Oil Cooler	Water Cooled
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ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Alternator/Starter	45A/2.2 KW

CLUTCH

Type	Dual
Diameter	305x254 mm

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,200 engine rpm with 14.9/13-30 rear tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.6
Forward 2	3.8
Forward 3	5.2
Forward 4	7
Forward 5 (First high)	10.4
Forward 6	15.2
Forward 7	20.8
Forward 8	28
Reverse 1 (Low)	3.5
Reverse 2 (High)	14.1

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response Control, Constant pumping
Pump Type	Reciprocating Ferguson Pump
Oil Flow	16 l / min
Pressure	21.2 MPa at normal operating temp.
Lift capacity with lower links horizontal	2,145 kg
Lower Links	Cat. I & II with interchangeable balls

4WD FRONT AXLE

Axle type	Parallel drive
Engagement	Mechanical

STEERING

Type	Hydrostatic
------	-------------

REAR AXLE AND BRAKES

Axle Type	Straddle with epicyclic reduction unit
Brake Type	Oil immersed, multi-disc
Brakes Actuation	Hydraulic
Differential lock	Mechanical
Parking Brake	Hand lever operated

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, 4WD indication light & Auxiliary socket

TYRES

Front	280/70 R20
Rear	14.9 / 13-28

TRACK ADJUSTMENT

Front Axle	1,430 mm
Rear Axle	1,530 mm

WEIGHT AND DIMENSIONS (Approx.)

(With 280/70 front & 14.9/13-28 rear wheel with full fuel, oil and water)

Weight	
Gross Weight (Approx)	2,370 kg (approx.)

Dimensions	
Overall length	3,485 mm
Overall Width	1,890 mm
Wheel base	2,130 mm

Height	
Over Exhaust	2,220 mm
Over Steering Wheel	1,585 mm

Turning circle	
With brakes	4,690 mm

Ground clearance	
Under gear box	355 mm
Under 4WD front axle	290 mm

CAPACITIES

Fuel Tank	48.0 l
Engine sump	6.96 l
Cooling capacity	11.7 l
Hydraulic system	42 l
Power steering reservoir	1.75 l
Oil bath air - cleaner	0.75 l
Brake Oil	0.25 l
4WD front axle differential	6.5 l
Hub each side	0.7 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link, Top link end Cat - I & II balls, Check Chains, Spring suspension seat, Flat top fenders, Operator's & Service Manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

OPERATOR AREA

Seat	Cushioned
Fenders	Flat top
Tool	Standard

Note:
 Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 375

“Enhanced Power to Excel Progress”

Product Features

- Durable & Highly Efficient Low Noise Engine.
- New Aerodynamic look with Stylish Wrapper & Grill.
- Oil Cooler added for Effective Cooling.
- Mid Mounted Bigger Balancer for reduced Engine vibrations and Smooth Running.
- Improved Harness Set with Heat Shrinkage Sleeves & Water Proof Couplers.
- Robust Straddle Rear Axle with Epicyclic Reduction Unit.
- Heavy Duty Front Axle & Support.
- New Spring Suspension Deluxe Seat.
- Hydrostatic Power Steering.
- Smart Steering Wheel for Reduced Steering Effort.
- New Highly Effective Head Lights and Elegant Indicators.
- Hydraulically actuated Efficient Oil Immersed Multi-Disc Brake System.





MILLAT'S

MF 375 Specifications

PERFORMANCE

Engine power at 2,200 rpm	75 (B.S.) hp*
Torque at 1,400 Engine rpm	276Nm
PTO power at rated engine speed	69.5 hp*
PTO power at 540 rpm	63.0 hp**
*Engine certified to BS.AU 141a: (1971)	
** Manufacturer's estimate	

ENGINE

Type	Diesel / 4.41
No. of cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127 mm
Capacity (litres)	4.1
Aspiration	Natural
Compression ratio	15.3:1
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet, air swirl
Fuel filter	Dual, high capacity
Exhaust	Vertical muffler under bonnet
Oil Cooler	Water Cooled

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Starter Motor	2.8 kW
Alternator	45 Amp.

CLUTCH

Type	Dual
Diameter	305x254 mm
Lining material	Cerametallic

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,250 engine rpm with 16.9/14-30 rear tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.65
Forward 2	3.89
Forward 3	5.32
Forward 4	7.14
Forward 5 (First high)	10.82
Forward 6	15.57
Forward 7	21.27
Forward 8	28.56
Reverse 1 (Low)	3.61
Reverse 2 (High)	14.45

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response Control, Constant pumping
Pump Type	Reciprocating Ferguson Pump
Oil Flow	16.7 l / min
Pressure	21.2 MPa at normal operating temperature
Lift capacity at lower links horizontal	2,145 kg
Lower Links	Cat. I & II with interchangeable balls

STEERING

Type	Hydrostatic
------	-------------

FRONT AXLE

Type	Heavy Duty Box Section, Adjustable
------	------------------------------------

REAR AXLE AND BRAKES

Axle Type	Straddle with epicyclic reduction unit
Brake Type	Oil immersed, multi-disc
Brake Pedal	Pendant
Braking Area	1,774 sq.cm
Brakes Actuation	Hydraulic
Parking Brake	Hand lever operated

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, Brake lights & Auxiliary socket

TYRES

Front	7.50-16 (6PR)
Rear	16.9/14-30 (6 PR)

TRACK ADJUSTMENT

Front Axle	1,271 - 1,881 mm
Rear Axle	1,423 - 2,134 mm

WEIGHT AND DIMENSIONS (Approx.)

(With 7.50-16 front and 16.9/14-30 rear wheel and with full fuel, oil and water)

Weight

Gross Weight (Approx)	2,360 kg
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Dimensions

Wheel base	2,170 mm
Overall length	3,670 mm
Width (min.)	1,970 mm

Height

Over Exhaust	2,485 mm
Over Steering Wheel	1,730 mm

Turning circle

With brakes	7,260 mm
Without brakes	8,095 mm

Ground clearance

(Under gear box)	501 mm
------------------	--------

CAPACITIES

Fuel Tank	108.0 l
Engine sump	7.66 l
Cooling system	15.2 l
Hydraulic system	38.0 l
Hydrostatic steering reservoir	1.75 l
Oil bath air - cleaner	0.75 l
Brake Oil	0.25 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat I & II balls, Check Chains, Spring suspension seat, Flat top fenders, Operator's & Service Manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 375 - 4WD

"The Best Combination of Fuel Economy & High Pulling Power"

Product Features

- Durable & Highly Fuel Efficient Low Noise Engine.
- New Aerodynamic look with Stylish Wrapper & Grill.
- Oil Cooler added for Effective Cooling.
- Mid Mounted Bigger Balancer for reduced Engine vibrations and Smooth Running.
- Improved Harness Set with Heat Shrinkage Sleeves & Water Proof Couplers
- Robust Straddle Rear Axle with Epicyclic Reduction Unit
- Heavy Duty 4WD Front Axle
- New Spring Suspension Deluxe Seat
- Hydrostatic Power Steering
- Smart Steering Wheel for Reduced Steering Effort
- Hydraulically actuated Efficient Oil Immersed Multi Disc Brake System
- Improved Traction
- Less Tyre Wear
- Improved Draw Bar Pull





MILLAT'S

MF 375 - 4WD Specifications

PERFORMANCE

Engine power at 2,200 rpm	75 (B.S.) hp*
Torque at 1,400 Engine rpm	276Nm
PTO power at rated engine speed	69.5 hp**
PTO power at 540 rpm	63.0 hp**

*Certified to BS AU 141a: (1971)

** Manufacturer's estimate

ENGINE

Type	Diesel / 4.41
No. of cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127 mm
Capacity (litres)	4.1
Aspiration	Natural
Compression ratio	15.3:1
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet, air swirl
Fuel filter	Dual, high capacity
Exhaust	Vertical muffler under bonnet
Oil Cooler	Water Cooled

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Alternator/Starter Motor	45 A / 2.8 kw

CLUTCH

Type	Dual
Diameter	305x254 mm
Lining material	Cerametallic

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,200 engine rpm with 16.9/14-30 tyres	
Gear	Speed (km/hr)
Forward 1 (First low)	2.65
Forward 2	3.89
Forward 3	5.32
Forward 4	7.14
Forward 5 (First high)	10.82
Forward 6	15.57
Forward 7	21.27
Forward 8	28.56
Reverse 1 (Low)	3.61
Reverse 2 (High)	14.45

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response Control, Constant pumping
Pump Type	Reciprocating Ferguson Pump
Oil Flow	16.7 l / min
Pressure	21.2 MPa at normal operating temp.
Lift capacity with lower links horizontal	2,145 kg
Lower Links	Cat. I & II with interchangeable balls

4WD FRONT AXLE

Axle type	Parallel drive
Engagement	Mechanical

STEERING

Type	Hydrostatic
------	-------------

REAR AXLE AND BRAKES

Axle Type	Straddle with epicyclic reduction unit
Brake pedal	Pendant
Brake type	Oil immersed, multi-disc
Braking Area	1,774 Sq.cm
Brakes Actuation	Hydraulic
Parking Brake	Hand lever operated
Differential lock	Mechanical

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, 4WD indication light & Auxiliary socket

TYRES

Front	11.2 - 24
Rear	16.9 / 14 - 30

TRACK ADJUSTMENT

Front Axle	1,376 - 1,944 mm
Rear Axle	1,423 - 2,134 mm

WEIGHT AND DIMENSIONS (Approx.)

(With 11.2/24 front and 16.9/14-30 rear wheel with full fuel, oil and water)

Weight	
Gross Weight	2,360 kg

Dimensions

Overall length	3,810 mm
Overall Width	1,970 mm
Wheel base	2,350 mm

Height

Over Exhaust	2,425 mm
Over Steering Wheel	1,690 mm

Turning circle

With brakes	8,518 mm
-------------	----------

Ground clearance

Under gear box	425 mm
Under 4WD front axle	370 mm

CAPACITIES

Fuel Tank	108.0 l
Engine sump	7.5 l
Cooling capacity	15.2 l
Hydraulic system	42 l
Hydrostatic steering reservoir	1.75 l
Oil bath air - cleaner	0.75 l
Brake Oil	0.25 l
4WD front axle differential	6.5 l
Hub each side	0.7 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end Cat I & II balls, Check Chains, Spring suspension seat, Flat top fenders, Operator's & Service Manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

OPERATOR AREA

Seat	Cushioned
Fenders	Flat top
Tool	Standard

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 385

**“The Long Term Partner
Most Powerful Yet Economical”**

Product Features

- High Performance Diesel Low Noise Engine.
- Reduced Gaseous Emissions under ECE R49.
- Reduced Smoke Level.
- Oil Cooler Added for Effective Cooling.
- Hydrostatic Power Steering.
- Hydraulically Actuated Efficient Oil Immersed Multi-Disc Brake System.
- Spring Suspension Deluxe Seat.
- Easy Accessibility to Service/ Maintenance Points.





MILLAT'S

MF 385 Specifications

PERFORMANCE

Engine power at 2,200 rpm	85 (B.S.) hp*
Torque at 1,600 Engine rpm	300 Nm
PTO power at rated engine speed	70 hp**

* Certified to BS AU 141a: (1971)

** Manufacturer's estimate

ENGINE

Type	Diesel / 4.41
No. of cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127 mm
Capacity (litres)	4.1
Aspiration	Natural
Compression ratio	15.3:1
Starting aid	Thermostart
Throttle control	Hand and foot
Cooling	Water
Air Cleaner Type	Oil bath
Air Pre-Cleaner	Over bonnet, air swirl
Fuel filter	Dual, high capacity
Exhaust	Vertical, muffler under bonnet
Oil Cooler	Water Cooled

ELECTRICS

Voltage	12V, Negative Earth
Battery	118 Ah
Starter motor	2.8 kW
Alternator	45 Amp.

CLUTCH

Type	Dual
Diameter	305x254 mm
Lining material	Cerametallic

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, 2 reverse
Road speed at 2,200 engine rpm with 18.4/15-30 rear tyres	
Gear	Speed (km/ph)
Forward 1 (First low)	2.9
Forward 2	4.2
Forward 3	5.8
Forward 4	7.8
Forward 5 (First high)	11.6
Forward 6	17.0
Forward 7	23.13
Forward 8	31.0
Reverse 1 (Low)	4.0
Reverse 2 (High)	15.7

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position control, Response Control, Constant pumping
Pump Type	4 - Piston Ferguson Pump
Oil Flow	16.7 l / min
Pressure	21.2 MPa at normal operating temperature
Lift capacity with lower links horizontal	2,145 kg
Lower Links	Cat. I & II With interchangeable balls

STEERING

Type	Hydrostatic
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FRONT AXLE

Type	Heavy Duty Box Section, adjustable
------	------------------------------------

REAR AXLE AND BRAKES

Axle Type	Straddle axle with epicyclic reduction unit
Brake Type	Oil immersed, multi-disc
Brake Pedal	Pendant
Braking Area	1,774 sq.cm
Brakes Actuation	Hydraulic
Parking Brakes	Hand lever operated

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Battery condition & Water temperature
Warning lights	Direction indicators, Electric charge, Headlight main beam, Low engine oil pressure, Brake lights & Auxiliary socket

TYRES

Front	7.50-16 (6PR)
Rear	18.4/15-30 (8 PR)

TRACK ADJUSTMENT

Front axle	1,271-1,881 mm
Rear axle	1,423-2,134 mm

WEIGHT AND DIMENSIONS (Approx.)

(With 7.50-16 front & 18.4/15-30 rear and with full fuel, oil and water)

Weight

Gross Weight	2,360 kg
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Dimensions

Wheel base	2,286 mm
Overall length	3,760 mm
Width (min.)	1,870 mm

Height

Over Exhaust	2,485 mm
Over Steering Wheel	1,781 mm

Turning circle

Without brakes	7,502 mm
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Ground clearance

Under gear box	501 mm
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CAPACITIES

Fuel Tank	108.0 l
Engine sump	7.5 l
Cooling system	15.2 l
Hydraulic system	38.0 l
Hydrostatic steering reservoir	1.75 l
Oil bath air cleaner	0.75 l
Brake Oil	0.25 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end, Cat I & II balls, Check chains, Stabiliser chains, Spring suspension seat, Flat top fenders, Operator's & Service Manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 385 4WD

**"The Strongest Pakistan Made Tractor
Edge Over 2WD"**

Product Features

- | | |
|--------------------|----------------|
| ● TRACTION | 30 % More |
| ● DRAWBAR POWER | 16 % More |
| ● DRAWBAR PULL | 34 % More |
| ● TYRE WEAR | 15 % Less |
| ● FUEL EFFICIENCY | 15 % More |
| ● FIELD WORK SPEED | 13 - 20 % More |





MILLAT'S

MF 385 4WD Specifications

PERFORMANCE

Engine power at 2,200 rpm	85 (B.S.) hp*
Torque at 1,600 engine rpm	300Nm
PTO power at 2,200 engine rpm	70hp**

*Certified to BS AU 141a: (1971)

**Manufacturer's estimate

ENGINE

Type	Diesel / 4.41
No. of cylinders	4
Injection	Direct
Bore	101 mm
Stroke	127 mm
Capacity (litres)	4.1
Aspiration	Natural
Compression ratio	15.3:1
Starting aid	Thermostat
Throttle control	Hand & foot
Cooling	Water
Air cleaner type	Oil bath
Air pre cleaner	Over bonnet,
Fuel filter	Dual, high capacity with sedimentor
Exhaust	Vertical, muffler under bonnet
Oil Cooler	Water Cooled

ELECTRICS

Voltage	12 Volt, Negative Earth
Battery	118 Ah
Alternator / Starter	45 A / 2.8 kw

CLUTCH

Type	Dual
Diameter	305mm x 254 mm
Lining material	Cerametallc

TRANSMISSION

Type	Sliding spur
Number of gears	8 forward, and 2 reverse
Road speed at 2,200 engine rpm with 18.4/15-30 rear tyres	
Gear	Speed (km/ph)
Forward 1 (First low)	2.9
Forward 2	4.2
Forward 3	5.8
Forward 4	7.8
Forward 5 (First high)	11.6
Forward 6	17.0
Forward 7	23.13
Forward 8	31.0
Reverse 1 (Low)	4.0
Reverse 2 (High)	15.7

POWER TAKE OFF

Type	Live
Engine speed at 540 PTO rpm	1,789 rpm
Shaft diameter	35 mm
No. of splines	6

HYDRAULICS

Functions	Draft control, Position Control, Response control, Constant pumping
Pump Type	4 Piston, Ferguson Pump
Oil Flow	16.7 l/min
Pressure	21.MPa (205 bars) at normal operating temperature
Lift capacity with lower links horizontal	2,145 kg
Lower Links	Cat. I & II With interchangeable balls

STEERING

Type	Hydrostatic
------	-------------

4 WD FRONT AXLE

Axle Type	Parallel drive
Engagement	Mechanical

REAR AXLE & BRAKES

Axle Type	Straddle with epicyclic reduction unit
Brake Type	Oil immersed, multi-disc
Brake Pedal	Pendant
Braking area	1,774 sq.cm
Brakes Actuation	Hydraulic
Parking brake	Hand lever operated

INSTRUMENTATION

Gauges	Tachometer, Hourmeter, Fuel level, Water temperature & Battery Condition
Warning lights	Direction indicators, Electric charge, Head light main beam, Low engine oil pressure, 4WD indication light & Auxiliary socket

TYRES

Front	12.4 / 11 - 24 (12PR)
Rear	18.4 / 15 - 30 (8PR)

TRACK ADJUSTMENT

Front Axle	1,376-1,944 mm
Rear Axle	1,423-2,134 mm

WEIGHTS AND DIMENSIONS (Approx.)

(With 12.4/11-24 Front & 18.4/15-30 rear wheel with full fuel, oil & water)

Weight	
Gross Weight	2,790 kg
Dimensions	
Overall length	3,810 mm
Overall Width (min.)	1,871 mm
Wheel base	2,350 mm
Height	
Over exhaust	2,485 mm
Over steering wheel	1,781 mm
Turning Circle	
Without brakes	8,518 mm
Ground Clearance	
Under gear box	501 mm
Under 4WD front axle	395 mm

CAPACITIES

Fuel Tank	108.0 l
Engine sump	7.5 l
Cooling system	15.2 l
Hydraulic system	42.0 l
Power steering reservoir	1.75 l
Oil bath air-cleaner	0.75 l
Brake Oil	0.25 l
4WD front axle differential	6.5 l
Hub each side	0.7 l

STANDARD EQUIPMENT

Weight frame without weights, Standard tool box with set of tools, Top link, Top link end, Cat I & II balls, Check chains, Stabiliser Chains Spring suspension seat, Flat top fenders Operator's & Service manual.

OPTIONAL EQUIPMENT

Front end weights, Swinging drawbar, Sun Canopy, Pintle hook, 9 Hole drawbar, Roll Over Protection System (ROPS) & Hydraulic Couplings with Spool Valve.

OPERATOR AREA

Seat	Cushioned
Fenders	Flat top
Tool	Standard

Note:

Millat Tractors Ltd. reserve the right to change specifications without prior notice.



MILLAT'S MF 455 XTRA

"The King of the Fields"

Product Features

- CBU Imported.
- Most Economical in 100 HP Range.
- Simple Yet Powerful Machinery from Massey Ferguson
- Rugged, Maneuverable and Compact.
- After Sales Services Available throughout the Country.
- Operator Training Facility.
- Availability of Spare Parts & Service Facilities.
- One Year Warranty.





MILLAT'S

MF 455 Specifications

PERFORMANCE

Max Hp (kW)	● ISO hp (kW)	100 (74)
Max Torque	@ 1400 rpm	415
Rated engine speed		2200

ENGINE

Type		1104.4C
No. of cylinders		4
Capacity	cc	4400
Aspiration		Turbo

TRANSMISSION

12 x 4 Side Shift	●
-------------------	---

POWER TAKE OFF

Live Single Speed	●
-540 rpm	
IPTO Single Speed	Cab/Platform ●/○
-540 rpm	
IPTO Single Speed	○
-540/1000 rpm	

HYDRAULICS

3-Ponit Linkage Control		Mechanical
Lift Capacity	max kgf	2500
Oil Flow	liters/min	17
System Pressure	bar	210
Auxiliary Hydraulics		
Oil Flow	liters/min	42
System Pressure	bar	170

STEERING

Hydrostatic	●
-------------	---

SPOOL VALVES

Capacity	Cab/Platform	● 2 Valves
		● 1 Valves

BRAKES

Type	oil immersed
------	--------------

STANDARD WHEELS AND TYRES

Front 2wd/4wd	9.00-16/14.9-24
Rear	18.4-34

WEIGHTS AND DIMENSIONS

Without Ballast Cab/Platform	kg	4,460/4,070
Length	mm	4,270
Height Over Exhaust	mm	2,640
Wheel Base	mm	2,370

CAPACITIES

Fuel Tank	Liters	100.0
Engine oil	Liters	8.0
Transmission oil	Liters	46.0

For even greater productivity a range of optional equipments is available including front weights, rear-wheel weights, two - post folding ROPS frame. For full details please consult your Massey Ferguson dealer.

- = Standard
- = Optional
- = Not applicable/available
- = ISO TR14396



MASSEY FERGUSON

Every effort has been made to ensure that information contained in this publication is as accurate and current as possible. However, inaccuracies errors or omissions may occur and details of the specification may be changed at any time without notice. Therefore, all specification should be confirmed with your Massey Ferguson Dealer or Distributor prior to any purchase.



MILLAT TRACTORS LIMITED



MILLAT TRACTORS LIMITED

Chapter - 2

MILLAT

Tractor Attachments & Agri - Implements



JF92Z10 Fodder Harvester

(with single row Maize Head)

“One of the Top Selling Forage Harvester in the world”

FEATURES

- Imported from world renowned “JF”, Brazil, supported by after sale services, warranty, availability of spare parts & driver training by Millat Tractors Limited.
- Directly harvests and chops (sown in row) fodders like Maize, Sorgham, sugar cane etc.
- Also suitable to cut and chop cotton sticks from the fields.
- Options for highest variety of chop sizes
- Fast and easy change of chop size due to robust and well built gear box.



SPECS

Capacity (ton/h)	up to 26
Chop sizes (mm)	12 (2 to 22)
Number of rotors	1
Number of knives	10
Power Source	Tractors PTO power
Required PTO power (hp)	50 and above
Required RPM at PTO	540
Compatible Tractors	MF 375, MF385

JF 1300 GRASS HEAD

(Attached with JF 92Z10)

More Forage, More Profit

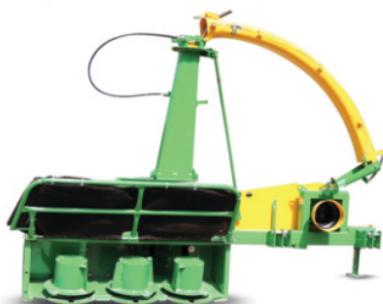
FEATURES

- JF 1300 Grass Head is attached with JF 92Z10 for field operations. The combination of JF 92Z10 with JF 1300 guarantees superior quality output and chopping uniformity.
- The cutting and gathering is performed by a resistant 3-disc cutter bar and its transmission is safe, simple and heavy duty.
- Imported from world renowned “JF”, Brazil, supported by after sale services, warranty, availability of spare parts & driver training by Millat Tractors Limited.
- Application: spread grass, oat, barley, alfalfa (Barseen, Lusan), Jae and others.

SPECS

Application	Spread and wilted grass, oat, barley, alfalfa and others
Maximum capacity (ton/h)	up to 30
Recommended power at PTO (hp)	50 and above
Required revolution at PTO (rpm)	540
Attachable to	JF92Z10
Working width	1.30m
Weight	250 kg
Compatible Tractors	MF 375, MF 385

JF1300 + JF92Z10



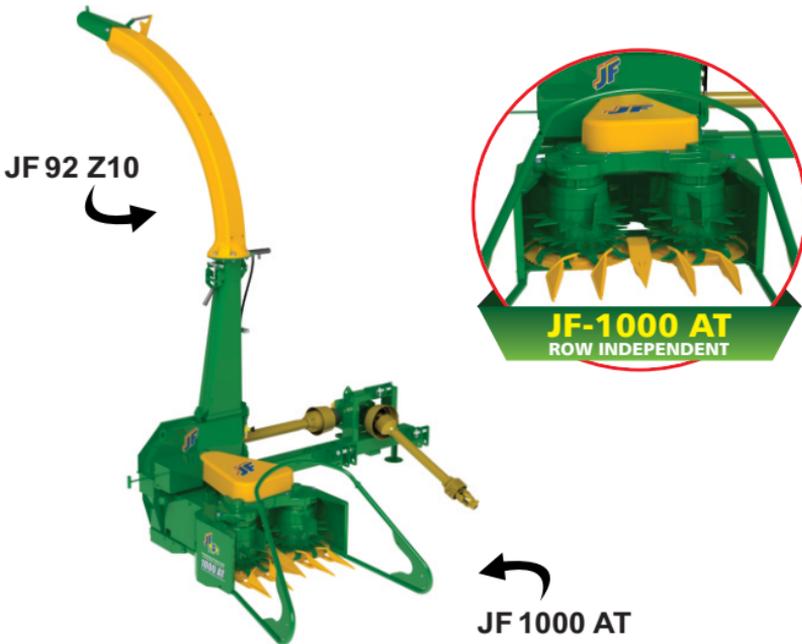


MILLAT JF 1000 AT “Fodder Harvesting Machine”

Now it's more convenient to make silage

FEATURES:

- JF 1000 AT head is attachable with JF 92 Z10.
- JF 1000 AT can also be purchased separately.
- Cuts and makes fodder of crops sown in rows or through broadcasting.
- Useful for harvesting and making fodder of Millet, Maize, Sorghum, Sugarcane, Oats etc.
- Imported from world renowned “JF”, Brazil, supported by after sale service, warranty, availability of spare parts and operator training by Millat Tractors Limited.



SPECIFICATIONS

Attachable with	JF 92 Z10
Capacity	Up to 35 ton/h
Culture	Millet, Maize, Sorghum, Sugarcane, Oats etc.
Power Source	Tractor PTO
Recommended Power at PTO	60 to 70 hp
Required Revolution at PTO	540 RPM
Working Width	1 Meter
Compatible Tractors	MF 375 & MF 385



JF 60 Maxxium S3 (Chopper)

(Tractor PTO Powered)

“The Most Productive and Reliable Ones in the Market”

FEATURES

- Imported from world renowned “JF”, Brazil, supported by after sale service, warranty, & availability of spare parts by Millat Tractors Limited.
- JF 60 Maxxium S3 Chopper chops grass, sunflower, sugar cane, maize and sorghum with excellent uniformity of particles, besides being machines with simple operation and maintenance.
- High cut size uniformity with size: 5 and 13 mm or 8 and 13 mm (Cut sizes 8 and 13 mm are optional)
- Easy and quick handling



JF 60

SPECS

Productivity	5,000 to 16,500 kg/h
Cut Sizes	5 and 13/8 and 13mm
Number of blades	4
Version	3-point accessory for tractor

Compatible Tractors

MF 240, MF 350 Plus

JF 60 Maxxium (Chopper)

(Operates with Electric Motor/Peter Engine)

The Most Productive and Reliable Ones in the Market

FEATURES

- Imported from world renowned “JF”, Brazil, supported by after sale service, warranty, & availability of spare parts by Millat Tractors Limited.
- JF 60 Maxxium Chopper chops grass, sunflower, sugar cane, maize and sorghum with excellent uniformity of particles, besides being machines with simple operation and maintenance.
- High cut size uniformity with size: 5 and 13 mm or 8 and 13 mm (Cut sizes 8 and 13 mm are optional)
- Easy and quick handling

SPECS

Productivity	5,000 to 16,500 kg/h
Cut Sizes	5 and 13/8 and 13mm
Number of blades	4
Required electric motor power	20 to 35 cv
Version	Base for electric motor Base for diesel engine



JF 60



WHEAT STRAW CHOPPER

“An Eco - Friendly and Profitable Partner”



Millat Wheat Straw Chopper is a resource conservation technology that makes chaff (*toori*) from combine-harvested wheat straw and protects the environment from smoke pollution/smog which is created from burning of residual straw of various crops. This machine is powered by tractor's PTO. Wheat Straw Chopper is a profitable machine for the farmers and dairy industry alike.

Main Features

- Strong Structure and quality material with MIG welding.
- 2-3 Trolley filling capacity in one hour.
- Stone Trip to prevent stone entry.
- Heavy duty Transmission Gear & Chassis.
- Stoving Paint on Straw Chopper according to European standards.
- Much superior than Indian makes.
- Spare parts are easily interchangeable & available with back up support & warranty of Millat Tractors Limited.

SPECIFICATIONS:

Wheel	7-50-16
Number of blowers	02
Weight	2010 kg (Approx.)
Number of blades in thresher	288
Number of cutter bar blades	29
Number of Basket Blades	35
Required PTO rpm	540
Tractor Compatibility	75hp & above
Diameter of Thresher Drum	780 mm
Length	3670mm
Max. Width	2310mm
Height	2130mm



THE BALER MF - 1840

"A Real Investment which Pays off"



The MF 1840 center-line baler goes strength to strength, thanks to its popular design and well established reputation as the perfect small, square baler. Whether you bale a few hectares a year for your own livestock, or produce thousands of bales annually in a commercial operation, the MF 1840 will fit your requirement and budget perfectly.

SPECIFICATIONS:

Bale Size	14" x 18"
	Height: 356 mm x Width: 457 mm
Bale Length	305 mm to 1321 mm
Bale Weight	20-35 Kg
Crops	Straw, Hay, Low moisture haylage
Power Requirement	Recommended 60 PTO hp
Working Pickup Width	1.9 m
Density Control	Manual Springs or Hydraulic
Options	Hydraulic pickup lift, automatic hydraulic bale tension, trailer hitch



MILLAT LASER LAND LEVELER

“The Right Step towards Great Progress”

Minimizes the cost of operation, Ensures better degree of accuracy in much lesser time. Saves irrigation water. Ascertains uniform seed germination. Increases fertilizer effectiveness and resultantly enhances crop yield.



TRANSMITTER
M1000A USA



RECEIVER
367 SB USA



CONTROL BOX
MEI 312 USA



HYDRAULIC KIT
ITALY

SALIENT FEATURES:-

- Backed by Millat Guarantee
- Range : Diameter 1 Km (Approx.)
- Reliable Fully Automatic Transmitter
- Durable, Shock Proof Big Screen Receiver
- Control Box with Manual of Automatic Settings
- Provision of Slope
- Heat Resistance & Water Proof



MILLAT LASER LAND LEVELER

SPECIFICATIONS

TRANSMITTER (MEI - USA; Model: M1000A)

Heat Resistant (up to 60° C) and Water Proof

- Tripod Mounting System
- Working Area: Diameter: 1000m/1 Km (Approx.)
- Provision of Slope: 1mm to 10 ft
- Accuracy: ± 1.5mm
- Self-Leveling Range: Horizontal: ± 5°
- Rotating Speed: 600-1200 rpm
- Operating Time: - With battery: 65hrs
- With dry cells: 25hrs

RECEIVER (MEI - USA; Model: 367 SB)

Extremely Durable: Internally Protected from Shock & Vibration

- Beam Detecting Angle: 360°
- Height: 7.8" (200 mm)
- Water Resistant & Dust Proof
- Super Bright LED Display
- Two Intensities: (1) Super Bright for high ambient light levels (2) Softer for Low light
- Power Source: 12/24 V DC

CONTROL BOX (MEI - USA; Model: MEI 312)

Heat & Water Resistant

- Fully Automatic Blade Control for Precision Grading
- Manual or Automatic Control
- On Grade Accuracy Selection
- Operating Temperature: -15 °C to 60 °C
- Operating Voltage: 12V DC
- Weight: 1.5kg

HYDRAULIC KIT

(Aron - Made in Italy)

LASER SCRAPPER

Dimensions:

- Overall Length: 4,400 mm (14.4ft)
- Overall Width: 2,570 mm (8.4ft)
- Overall Height: 2,000 mm (6.5ft)

- Approx. Weight: 1,000 Kg
- Tyres: 04 Nos.
- Size: 6.50-14 (6PR)

COMPATIBLE TRACTORS

MF 375 (75 HP); MF 385 (85 HP)



CHISEL PLOUGH

“The Hard Pan Breaker”



The Chisel Plough is primary tillage deep plough, working upto 20” to ensure development of crop root system at proper depth and environment. It is an ideal implement where top soil is fertile but subsoil is not productive. The Chisel Plough increases natural fertility of soil as deep tillage provides enough circulation of air, moisture, and sunlight into soil.

For full penetration in the first pass, a 50 to 85 hp tractor would be required. A medium (50 hp) tractor will plough 12” in the first pass and full 20” depth will be attained in the second pass.

With only one central tine fitted it can work as a subsoiler and upto maximum depth for breaking of hard pan even with 50 hp tractor. Yield per acre can be increased considerably by deep ploughing for wheat, cotton and sugar cane crops. Best fruit orchards growth is ensured by deep tillage before tree plantation. In rain-fed areas, the Chisel Plough is an ideal implement because without disturbing top soil it shatters the subsoil portion of land, maintaining moisture contents for longer periods and safe-guarding against water and wind erosion of top soils.

SPECIFICATIONS:

1. Heavy steel box V-type frame without any nut and bolt.
2. Three easily replaceable tines designed to penetrate upto 20” with out much effort.
3. Shovels easily replaceable.
4. Working width 1.20 Meters.
5. Tractor compatibility. 50 - 85 HP

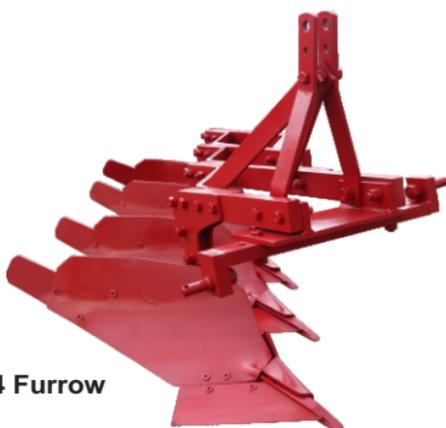


MOULD BOARD PLOUGH

“Turns the Good Side Up”



3 Furrow



4 Furrow

The most important plough for primary tillage in canal irrigated or heavy rain areas where there is too much weeds growth. The objective for ploughing with a Mould Board is to completely invert and pulverize the soil, up-root all weeds, trash and crop residues and bury them under the soil.

The shape of Mould Board is designed to cut down the soil and invert it to right side completely burying the undesired growth which is subsequently turned into manure after decomposition.

SPECIFICATIONS:

Models	MT-02 (M)	MT-02 (H)
Max. Depth	25 cms	25 cms
Working Width	90 cms	120 cms
Tractor Compatibility	60 Plus HP	75 Plus Hp
Linkage Category	II	II



DISC PLOUGH

"The Catalyst of Change"

3 Discs



4 Discs (3+1)



Used for deep ploughing in root-infested, sticky, stony, and hard soils. Mixes remains of crops and weeds throughout the depth of ploughing, hence ideal for rain-fed areas for checking soil erosion by water and wind.

- Spring loaded floating rear furrow wheel controls the side draft to ensure straight work and ease of handling by smaller tractor.
- Re-greasable Taper Roller Bearings in disc hubs.
- Disc angle adjustable to vary the penetration with varying soil conditions.
- Cat I & II linkage.
- Disc Scrapers are adjustable to ensure that the Discs remain clean in all conditions.

SPECIFICATIONS:

Frame Type	Tubular Seamless Steel Pipe
Number of furrow	3, 3 + 1
Furrow width	254 mm
Max. working depth	300 mm
Longitudinal clearance	522 mm
Furrow wheel dia	508 mm
Plain discs	660 mm - inside or outside bevel
Bearings	Taper roller
Weight	320 kg (3 Furrow)
Tractor Compatibility	50 to 85 HP.



TINE TILLERS

“The Most Popular Plough”



- Ideal for general cultivating, weeding, pasture renovating and preparing seedbeds.
- The tiller is available in 4 widths: 9, 11, 13 and 15 tines. The tiller is fully mounted on the tractor by means of Category I or II three point hitch pins.
- The spring-loaded tines swing back under break-away pressure of 163 Kg: pass over the obstruction and return to the working position without affecting the working depth of the implement.
- The continual flexing action of the tines shatters the soil breaking up the clods.
- The tiller is fitted with 51 mm reversible shovels which are designed for deep penetration.
- A working depth upto 229 mm is possible in most soils and is simply controlled while sitting on the tractor seat.

SPECIFICATIONS:

Number of Tines	9	11	13
Linkage Category	I	I & II	I & II
Frame	Round steel torsion tubes	Round steel torsion tubes	Round steel torsion tubes
Overall Width	2180 mm	2400 mm	3000 mm
Overall Length	813 mm	813 mm	813 mm
Tine Spacing	229 mm	229 mm	229 mm
	460 mm	460 mm	460 mm
Overall Height	1.02 m	1.02 m	1.02 m
Cultivating Width	1880 mm	2590 mm	2790 mm
Max. working depth	229 mm	229 mm	229 mm
Weight	220 Kgs	270 Kgs	350 Kgs
Settings			
Type of Tines	Spring loaded - 51 mm reversible point shovels		
Tractor Compatibility	25-36 HP	35-55 HP	60-85 HP



FOLDING TINE TILLERS

“Safe, Convenient & Dependable”



Millat's Folding Tine Tillers are being introduced to our valued customers for the first time in Pakistan. The spring loaded folding cultivators are available in 11, 13 & 15 tines. Best quality parameters are strictly followed in its production to provide optimum strength. The tines are forged with reversible shovels of high carbon (hc) steel. The folding feature makes it safe for transportation on and off the field.

SPECIFICATIONS:

Number of Tines	7+4=11Tines	9+4=13 Tines	11+4=15 Tines
Linkage Category	I & II	I & II	I & II
Frame	Stronger “C” Channel		
Tine Spacing	229mm	229mm	229mm
Max. Working Depth:	229mm	229mm	229mm
Overall Height	1.02m	1.02m	1.02m
Type of Tines	Spring Loaded - 51mm reversible point shovels		
Tractor Compatibility	50-60hp	60-75hp	85hp & above



OFFSET DISC HARROWS MOUNTED CUM TRAILED

“Your Farming Friend”



The Offset Disc Harrow has a heavier weight per Disc and thus has the penetration ability to break down large clods normally left after disc ploughing or Chisel Ploughing in hard grounds. It is of robust construction, used as mounted or trailed and ideal for chopping and mixing of stubbles and crop residues in the soils.

The Disc Harrow prepares the seed-bed leaving the soil in granular form which is the most suitable structure for plant growth. It aerates the soil, helps to conserve moisture for longer periods and eradicate weeds.

In sandy loam soils, this implement can also be used as primary tillage implement. The depth of ploughing is regulated simply by manipulating the offset angles of the gauges. By removing simply a pin, the mounted position can be converted into trailed position and vice versa.

SPECIFICATIONS:

Models	MT-03 (M)	MT-03 (H)
No. of Discs.	14 Discs	16 Discs
Disc Size	61 cm (24")	61 cm (24")
Weight.	430 Kgs.	525 Kgs.
Working width.	145 cm (57")	167.5 cm (66")
Tractor Compatibility	50 HP	60-85 HP.



MILLAT ROTAVATOR

"The Magic Soil Mixer"



PRODUCT DETAIL:

Blades No.	Working Width	Overall Width	Weight in kg	Working Depth	Suitable Tractors	PTO R.P.M
36	140cm	167cm	480kg	15cm	MF-240, MF-350 Plus.	540
42	164cm	190cm	505kg	15cm	MF-240, MF-350 Plus, MF-260.	540
48	188cm	213cm	530kg	15cm	MF-260, MF-360.	540
54	214cm	236cm	555kg	15cm	MF-260, MF-360, MF-375.	540
60	234cm	260cm	580kg	15cm	MF-375, MF-385.	540
66	258cm	284cm	605kg	15cm	MF-375, MF-385.	540

- Stowing Paint on Rotavator according to European standard
- Strong Structure and good material with MIG welding.
- 3 Gears side transmission (European standard).
- Waterproof seals in rotor hub (NOK Japan).
- High Quality tempered Blades hardness 45 3 HRC
- Good soil refinement.
- It adds 7% to your crop quality.
- 35% Low fuel Consumption.



RICE PUDDLER

“The 3 in 1 Solution for Rice Field Preparation”



Benefits

1. Millat Rice Puddler saves the time and diesel by 50%.
2. It saves water and increases production due to better field preparation.
3. Millat Puddler is the only substitute for all combinations like cultivator, rotavator and trailing board.
4. It needs only one cycle in field to gain best quality rice puddling.

Features

1. Front tines dig the soil, the puddler puddles the soil and the trailing board keeps the soil in the level.
2. As there is no PTO shaft, there is no load on tractor.
3. It takes 20-25 minutes to prepare one acre to cultivate rice.

SPECIFICATIONS:

Length: 87 Inch Width: 38 Inch Height: 41 Inch

Weight: 298 Kg

No. of Tines: 06 Nos.

Suitable MF 240, MF 350 Plus or any 50 hp tractor.



RIDGER

“Accuracy in Agriculture Pattern”

FMA Type



Tool Bar Type



Used for making ridges for planting tobacco, potato and other vegetables. The ridger is fully adjustable for giving different accurate row widths.

To obtain the correct ridge profile and retain soil flow, the high grade mould boards are adjustable.

The ridger can also be used for earthing up the crops sown in rows.

SPECIFICATIONS:

Max. Row Spacing	711 mm (Decreasing in increments of 25 mm)
Overall width	1,778 mm
Depth	1,050 mm
Clearance (under frame)	550 mm
Weight	145 Kg.
Tractor Compatibility	45-85 HP



POST HOLE DIGGER

"To Plant Millions of Trees"



- Post Hole Digger is a PTO driven machine that digs holes in rows on equal distances mechanically and economically.
- Best suited for tree plantation.
- Also can be used for hole making for electric poles and farm hedges.
- It can dig about 90 cm deep hole of even diameter in just 30 seconds.
- By detaching Augers, it can be used as a small crane.

SPECIFICATIONS:

Augers Size:	9" & 18"
Hole Depth:	90 cm (36")
Weight:	164 Kg with 9" Augers 187 Kg with 18" Augers

Tractor Compatibility:	MF 240, MF 350 Plus, MF 260, MF 360, MF 375 & MF 385
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MULTI-PURPOSE REAR BLADE

“Jack of all Trades”



Land levelling, yard cleaning, farm road grading, snow clearing ditching and terracing, backfilling, earth moving: these are some of the many jobs that you can do with this versatile tool.

- With the grader wheel installed, hydraulic position control holds the blade at the chosen depth for the fine levelling.
- Angle and pitch of blade adjustable from tractor seat.
- Blade pitch is adjustable from 0° to 40° by the screw lever in reach of the tractor seat.
- The blade can be completely reversed for back filling
- For access to awkward place it can be offset to either side.
- An alternative hitch pin for the right hand lower link allows the blade to be tilted for digging ditches or irrigation channels.

SPECIFICATIONS:

Mounting construction:	Category 1, three-point linkage Entirely steel frame, Reversible high carbon steel cutting edge.
Blade Angle:	Adjustable 0° to 70° in two increments to either side and similarly with blade facing rearward.
Blade pitch:	Adjustable from 0° to 40°
Blade Width:	7 ft.
Overall length:	5 ft. (with grader wheel)
Weight:	210 Kg.
Accessories:	Grader wheel kit
Tractor Compatibility:	35 - 85 hp.



FRONT BLADES

“Levelling a Clear Road to Progress”



The Power Dozers are designed and built to match the performance of the Millat Tractors. They are operated hydraulically by single or twin double acting rams. The points of attachment of the dozer to the tractor are reduced to an absolute minimum and the mounting brackets, once fitted, can be left in position enabling the sub-frame and blade to be quickly removed and attached. The blade is fitted with a reversible and replaceable cutting edge of high carbon steel.

SPECIFICATIONS:

Power Dozer to fit	MF 240, 350 Plus, 260, 360, 375, 385, 385-4WD tractors
Blade	Model MT-08/1 = 6' x 24" -(Single ram) (MF 240, 350 Plus, 260, 360) Model MT-08/2 = 6.5' x 24" (Twin ram) (MF 375, 385, 385-4WD)
Cutting Edge	152mm (6") x 12.7 mm (1/2") section high carbon/alloy steel reversible and replaceable.
Hydraulic Ram	02 Jacks, Heavy duty, double acting
Control Valve	45 ltr. double acting spool valve-Imported
Blade Movement	Maximum lift 533mm (21"). Maximum depth below ground 102mm (4").



AGRICULTURAL LOADERS

“Gets the Job Done”



A multipurpose rugged and powerful machine which can be quickly attached/detached to the front of Massey Ferguson Tractors for handling/loading stone/brick crush, garbage, sand, grains, wood logs etc. into a truck or trailer.

SPECIFICATIONS:

Tractor Compatibility	For MF 375/385	For MF 240/350 Plus/260/360
Bucket Type	Closed earth Bucket with digging teeth	
Bucket Volume	0.5 Cubic meter	0.350 Cubic meter
Bucket Size	5.5ft	4ft
Lifting time	20 - 25 seconds	
Max. Lift capacity	800 Kg	600 Kg.
Operation:	Operated via Tractors Hydraulic Pump	
Lifting Height at		
Pivot Point	(11'-6") 3.5 meter	(10') 3.0 meter
Lift Ram	2 Cylinders	
Bucket Ram	2 Cylinders	
Control	45 ltr, 2 Spool Valve, 210 bar-Imported	



MILLAT COMMERCIAL LOADER

"Helping to Build the Nation"



Hydraulic Oil Tank



Counter Weights



PTO Pump

Millat Commercial Loader is designed to hold, lift and tilt the bucket located at the end of two long arms with strength and safety. The Commercial Loader is hydraulically powered which provides the necessary power to lift the load.

Recommended Use:

Cotton Bale Handling, Husk Application, Coal Application Loose Cotton Handling, Crusher application and Cotton/ paper industries.

Specification:-

Loader Compatibility with	For MF 375, MF 385, MF 385 (4wd)
Bucket Type	Closed Earth Self Leveling Bucket with Digging Teeth
Bucket Volume	0.6 cubic meter
Bucket Size	5.5'
Lifting Time	8-12 sec
Max. Lifting Weight	1000 KG
Operation	Hydraulic-Extra Pump PTO Drive Shaft-9 Plunger
Lifting Height at Pivot Point	11.5 ft
Lift Ram	2 Cylinders
Bucket Ram	2 Cylinders
Control	80 ltr 2 Spool Valve, 210 bar - Imported
Weight	Fixed, Size: L: 34" W: 32" H: 34"
Oil Tank	80 Liter with Oil Filter & Oil Level Gauge



MILLAT BACKHOE

“The Golden Digger”



Millat Backhoe can be attached and detached from the Tractor within a little time. Can also be mounted with front attachments. Digging now made easy with speed and work efficiency.

SPECIFICATIONS:

3 point Linkage	1 & 2
Minimum Tractor HP	60-80 HP
Maximum digging depth	116"
Digging depth (two foot flat bottom)	106"
Reach from swing pivot	159"
Boom height from ground	132"
Transport height	102"
Bucket Size	16"/18"
Extra PTO Pump	Installed
Swing arc	145 degree
Stabilize Spread down (Operating)	96"
Stabilize spread up (Transporting)	66"
Oil Tank with filter	80 liter
Control Valve 210 bar with joystick handle	06 Spool
Hose Pipe	4000 PSI



HYDRAULIC TIPPING TRAILERS

"A Dumper of Deliverance"



SPECIFICATIONS:

Description	Spec. A	Spec. B	Spec. C
Type	Hyd. Tipping	Hyd. Tipping	Hyd. Tipping
Capacity	5-Ton	8-10 Ton	15 Ton
Vessel Size	11' x 6.5' x 2'	12' x 7' x 2.5'	16' x 7' x 3'
Floor	MS Sheet 3mm	3mm	3mm
Side Wall	MS Sheet 2.5mm	2.5mm	3mm
Chassis Frame			
Lower Channel:	8' x 3'	10' x 3'	10' x 3'
Upper Channel:	6' x 3'	6' x 3'	7' x 3'
Axle Size			
Length:	52"	56"	56"
Outer Dia:	5"	6.50"	
Wall Thickness:	3/8"	3/8"	11mm
Rims			
Qty:	2	4	4
Size:	9.00-20	9.00-20	9.00-20
Tipping Device:	Double acting heavy duty locally made Ram with mechanical linkage.		
Tipping Angle:	55 Degrees.		
Maximum Lift Time:	10 Seconds at 1500 - 1789 rpm of Tractor Engine to its full height in empty condition.		
Hydraulic Kit For Trolley:			
Spool Valve:	Imported Minimum Rod Dia, 20mm		
Selector Valve:	Imported Minimum Rod Dia. 20mm.		
Hyd. Hoses:	Imported, the Crimping and Hoses should bear a pressure of 4000 psi. There should be no joint between two connections.		
Quick Attachment Coupler Set:	Imported.		



HYDRAULIC TIPPING TRAILERS (3 TON)

“Easy & Convenient Loading”



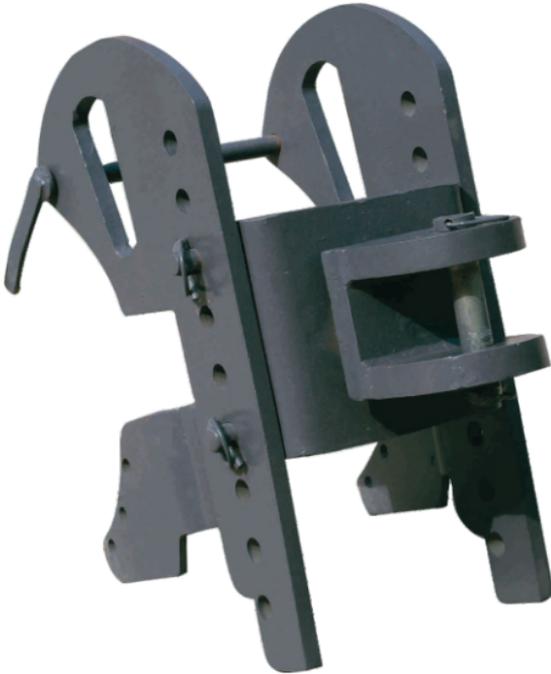
SPECIFICATIONS:

Type	Hydraulic Tipping
Capacity	3-Ton
Vessel Size	10' x 06' x 02' (Feet)
Floor	MS Sheet 3mm Thickness
Walls	MS Sheet 2.5mm Thickness Folding Sides
Chassis Frame	
Upper Channel:	6 x 3 (Inches)
Lower Channel:	8 x 3 (Inches)
Axle Size	
Length:	46"
Outer Dia:	5"
All Thickness:	3/8"
Rims / Tyres	Qty: 02 Numbers
Size:	8.25-20
Tipping Device:	Double acting heavy duty locally made Ram with mechanical linkage.
Tipping Angle:	55 Degree.
Maximum Lift Time:	10 Seconds at 1500 - 1789 rpm of Tractor Engine to its full height in empty condition.
Hydraulic Kit For Trolley:	
Spool Valve:	Imported Minimum Rod Dia, 20mm
Selector Valve:	Local Made Minimum Rod Dia. 20mm.
Hyd. Hoses:	Imported, the Crimping and Hoses should bear a pressure of 4000 psi. There should be no joint between two connections.
Quick Attachment Coupler Set:	Imported.



PINTLE HOOK

“Towing is Going”



Ideal gadget for towing any type of Farm Trolley / Trailer, by attaching it to the Tractor at rear.

Can be fitted with MF 240, MF 350 Plus, MF 260, MF 360, MF 375, MF 385 (2WD) and MF 385 (4WD) Tractors. Can pull 5 Tons to 10 tons of trailer load.

SPECIFICATIONS:

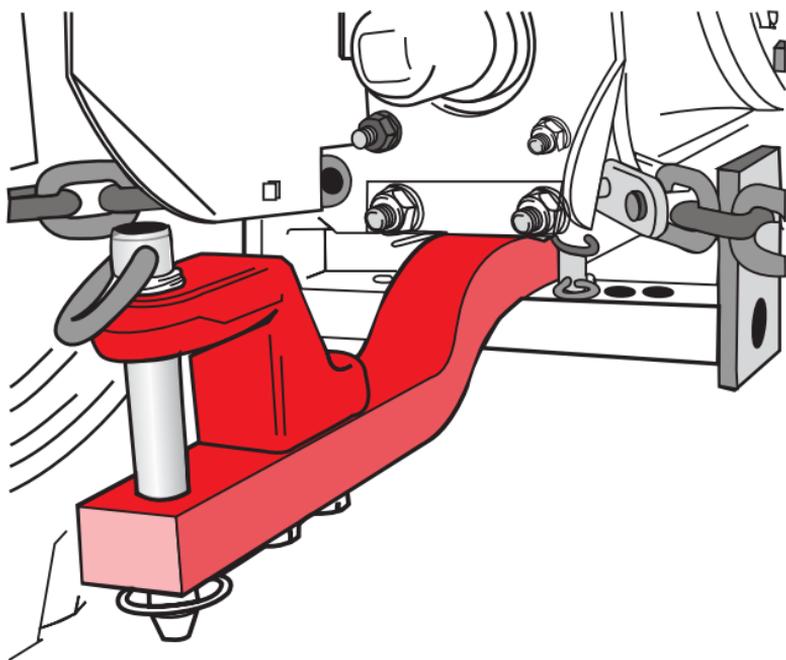
Weight: 50 kgs.

Suitability: MF240, MF350 Plus, MF260, MF360, MF375 & MF385 Tractors.



SWINGING DRAW BAR

"To Suit your Towing Need"



Ideal gadget for towing any type of farm load including trailed implements, by attaching it to a tractor under center axle housing.

Can be fitted to MF 240, MF 350 Plus, MF 260, MF 360, MF 375, MF 385 and MF 385 4WD tractors. The swinging draw bar conforms with British Standard having a Clevis hitch point at 14 inch from the PTO shaft.

The maximum static load for the drawbar is 771 kg (1700 lb) with the draw bar in the outer position and 998 kg (2200 lbs) in the inner position.

The draw bar height is adjustable in relation to the PTO center line.



JIB CRANE

“A Helping Hand in Material Handling”



There are many jobs around the farm that often involve back breaking work and much effort-jobs like loading and unloading large drums of fuel, feed, seeds, fertilizer bags, building materials, machinery and similar chores.

The Jib Crane provides the answer to all these problems and they can all be handled with a minimum of effort from the seat of your tractor.

Ruggedly constructed from tubular steel, the crane is capable of lifting a load upto 500 kg. The goose-neck design makes it particularly handy for loading and unloading trucks and trailers.

Used almost daily on any farm.

Simple - one minute attachment

It is recommended that the stabiliser bar chain be used if transporting over rough ground. Height of lift adjustable.

SPECIFICATIONS:

Lift Capacity	upto 500 Kgs (depending upon Tractor HP)
Height of lift	3 m
Overall length	2.54 m
Weight (approx)	85 Kgs
Tractor Compatibility	45-85 HP
Hitch pin	Cat-II



MILLAT LAWN MOWER MT - 150

“The Secret Creator of
Beautiful Lawns”



Tractors Mounted PTO driven grass mower, suitable for Lawns, Sports areas and Public Gardens.

SPECIFICATIONS:

Working width	150cm (59")
Overall width	175cm (69")
Mounting	Centre mounted
No. of Blades	3
Weight	190kg
Tractor Compatibility	50hp - 60hp

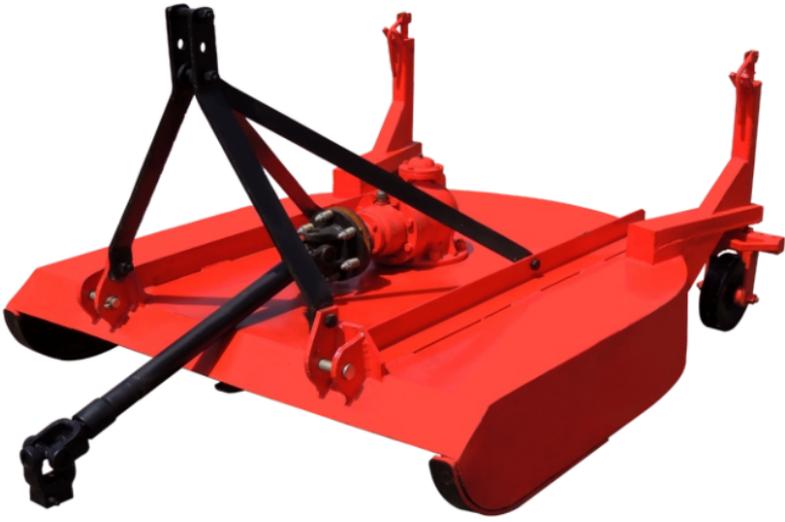
Note:

Maschio and Millat Tractors reserve the right to change the specifications without prior notice.



MILLAT ROTARY SLASHER

**“Turns Wild Land into
Civilized One”**



Features:-

Rotary Slasher is an agricultural machine which is used for cutting unwanted grass. The rotary slasher is manufactured through jigs, fixtures & dies which ensure joining accuracy as well as interchangeability. It has a heavy duty gear box and rugged frame which can withstand rough and tough wild grass, anchored straw and bushes. It is designed for fast application to any type of 50-80 HP tractors with three point linkage.

- Safety Chain Shield Standard.
- Tractor driven suitable for P.T.O. 540 rpm.
- Rotary Slasher has reversible steel blades for cutting wild grass, shrubs, weeds, sugarcane stacks, etc.
- Cutting width: 6-8 feet (approx.)
- Height adjustment: 25 mm to 200 mm.
- Heavy Duty two cutter blades moveable.
- Heavy Duty gear-box operated with P.T.O shaft.



MILLAT BROOMER

“The Affordable Cleaning Machine”



Millat Broomer is the very useful sweep cleaning machine suitable for municipalities, contractors, land scrappers, institutions, housing societies and farmers which assists you in general cleanup of roads, highways, runways and other areas. Also it is useful for post construction site cleanup, land scrapping, snow removal and dethatching.

A great partner for maintaining civilized environments.

SPECIFICATIONS:

Specifications	MB- A	MB-B
Product Width	8ft	7ft
Working Width	6.25ft	5.25ft
Body Thickness	3mm	3mm
Brushes	90 pieces	80 pieces
Powered by	Tractor Power Take Off (PTO)	
Required RPM	540rpm	
Accessories	PTO Shaft	
Tractor Compatibility <small>(Horse Power)</small>	50hp and above	
Gear Box	Installed	
Dirt Deflector	(For Driver Safety)	



MILLAT MECHANICAL ROAD SWEEPER

“For Cleanest Country Roads”



SPECIFICATIONS:

Max Sweeping Width	2200-2400 mm
Sweeping Speed	8-10 Km/hr
Maximum Speed	20-40 Km/hr
Overall Length	3900mm
Overall Width	2200mm
Overall Height	1640mm
Rear Brush (Diameter)	620mm (10 Segments)
Rear Brush Length	110-1300mm
Front Brush (Diameter)	850-900mm
Water Tank	350-400 Liters (Stainless Steel)
Water Filter	Suitably Placed
Dust Hopper	1000 Liters (Stainless Steel Body)
Effective Hopper Capacity	400-500 Liters
Hydraulic Tank	40-50 Liters
Tires	40.50.12 (General)
Hydraulic Oil Cooler	Yes
Hydraulic Pump	38cc to 50cc
Discharge Height	1750-1850mm
Multiplicator	Imported
Spraying Nozzles	8 Nos Spraying Nozzles, Brass(4 Nos on each side)
Hydraulic Hoses	With Dead pug option and 1/2 Valve
Hydraulic Motors	Imported
Search Light	Imported Two (One on each side)



MILLAT MINI TIPPERS

“Convenient & Manageable For Cleaning & Construction Work in Congested Areas”



Mini Tipper

Tipping bodies can range from the very small to the very large, and all in between. Heavy steel construction and PTO operated for the larger trucks, or light alloy and power pack operated for the smaller vehicles, any size any construction, we have them all covered. We can also do side or 3 way tippers for the difficult to get at areas.

One of our most efficacious products is the 1 cum capacity hydraulic tipper either mounted on Suzuki 800 cc pickup or equaling commercial chassis used for quick and efficient door street vats, designed to facilitate the mobility of heavy loads in spaces reduced.

SPECIFICATIONS:

A) Chassis

Description	Pickup with upgraded features and advance Euro-II or above technology and more environment friendly, drive extra mile, with high standard engine performance in low fuel consumption and inexpensive maintenance. Chassis must be assembled in Pakistan
Engine	790 CC or above, Petrol engine, water cooled, OHC & EFI, 3 Cylinder or above.
Transmission Type	4-5 or above forward all Synchronesh, 1-reverse

B) Super Structure

Capacity	1.00 Cubic Meter or above
Body Sides	2mm MS sheets. Corrugated for additional strength without increasing the weight of the body. Round profile near the floor joint to avoid Corrosion and to assist the emptying of the container.
Body Floor	2.5 MS sheet. Single piece floor for added corrosion protection and built in Cab protector
Floor Stiffeners	3 mm thick “U” profile throughout the length of the floor for strengthening the floor at lifting points
Mounting Brackets	5mm thick Robust Hydraulic cylinder mounting brackets duly reinforced with mounting bracket plate(to avoid point load on the container
Pivot Bracket	Two pivot Brackets duly reinforced with 5mm thick Gussets



Sub Frame	Rectangular Pipes 1.5X3X5mm, suitably mounted on the pickup chassis. The Frame is mounted on the same cargo deck brackets originally installed by chassis manufacturer to maintain strength of the chassis. Sub frame attached to the chassis with High Tensile strength Nuts and Bolts & Canvas Rubber Padding
Sub Frame Pivot Bracket	8mm thick MS Brackets with Bi-Metallic Bushes for retaining Lubrication. All lifting pins equipped with grease nipples and spiral grease pathways to increase the productivity and design life of the Container
Tipping Angle	80-85 Degrees. Allows complete emptying of the container
Tipping Height	Tipping Height of the body allows the waste to be emptied into a standard Hopper Compactor
Paint	All Steel part surfaces free from Rust and Oil Residue. Two coats of Zinc Based Epoxy Primer and one coat of final paint done with 2 components Poly-Urethane based Paints
Hydraulic Power Pack	Hydraulic Pump 2.1cc/Rev with 300 Bar max Pressure, DC Motor 1500w, Tank Capacity 12 Lite
Operating Pressure	150 bars
Hydraulic Fittings	Imported High quality galvanized hydraulic fittings for leak free operations
Hydraulic Hoses	Double Braided R2T type hydraulic hoses with burst pressure twice as much as the working pressure
Lifting Cylinders	2 Nos Double Acting Hydraulic Cylinders made from Imported Hard Chromed Rods of 50mm and Honed Tubes of 70mmx 80mm of European. Imported Hydraulic Seals for efficient and long life of the cylinders. Special Viper seals for dusty local conditions. All Hydraulic Cylinders are equipped with hose burst protection; by the means of Pilot operated check valves.
Stabilizing Cylinders	2 Nos Double Acting Hydraulic Cylinders made from Imported Hard Chromed Rods and Honed Tubes of European. Imported Hydraulic Seals for efficient and long life of the cylinders. Special Viper seals for dusty local conditions. All Hydraulic Cylinders are equipped with hose burst protection; by the means of Pilot operated check valves.
Electrical System	12Volt Electrical System. Weather Proof Control Panel with high quality imported switches. Single action tipping operation.
Mudguards	Two MS mudguards with rubber flaps at the rear end. Reflective strips on the rear end of the mudguards.
Rotating Beacon	One Rotating Beacon Light on the Cabin.
Working Light	One working light for night time operations

Note: This product is exclusive of any transport, pick-up, van or vehicle/automobile base.



MILLAT WATER BOWZERS

“The Critical Water Reservoir”



Features:-

Water Bowser is used for storage & supply of water for: (1) Watering plants (2) Road spray (3) Agricultural purpose (4) Horticulture (5) Construction application (6) Fire Extinguisher during fire hazards. A sheet partition is provided for tank's stability against jerks created by water during transportation.

Specifications:-

S. No.	Description	Trailer Mounted
1	Capacity	1250G / 1500G / 1750G
2	Sheet	3mm
3	Frame	8" x 3" channel type, reinforced
4	Filling Points	02 x filling points
5	Tank Fixing on frame	1250 Gallons: Two point padding 1500 Gallons: Three point padding
6	Ladder	01 No. (Two point padding)
7	Road Sprinkler	1 No. at rear side
8	Shape	Oval/semi-elliptical: ensuring low center of gravity.
9	Tyres/Rims	4 No. (9.00 x 20)
10	Drain Valve	02 No. (Via pump & bottom tank)
11	Filling Device	Water set (Centrifugal Pump) 2" x 2.5" with ball Valves & necessary fitting with PTO Drive
12	Delivery House	2" x 100 ft., canvas
13	Suction House	3" x 20 ft. for suction from any external source like pound, reinforced PVC
14	Inside Paint	Antirust
15	Water Gun	Water gun for distant spray (70 ft) for washing trees etc.
	(Optional on order)	Capable of rotating 360° horizontally & 90° vertically

Note: Special specs Water Bowsers can also be supplied



MILLAT TRACTORS LIMITED



MILLAT TRACTORS LIMITED

Chapter - 3

MILLAT

**Industrial
Products**



MILLAT Diesel Generating Sets (12.5 - 50 kVA)

**“A Reliable Source of
Alternate Power”**



- Comprises of reliable Millat Electropack 3 & 4 Cylinder Diesel Engines Coupled With World's Renowned Alternators of Hallmark Repute.
- Fuel efficient
- Warranty 12 months/1200 hrs.
- Low maintenance cost
- Availability of Spares throughout Pakistan.
- Seamless after sales service through our regional offices and dedicated workshops of our dealer's network throughout Pakistan.



MILLAT Diesel Generating Sets (12.5 - 50 kVA)

Technical Data

MILLAT Diesel Generator Models	MPG-12.5	MPG-15	MPG-20	MPG-25	MPG-32	MPG-40T	MPG-45T	MPG-50T
Prime Power (kVA)	12.5	15	20	25	30/32	40	45	50
Stand By (kVA)	13.75	16.5	22	27.5	33	44	50	55

SPECIFICATION

Engine

Make	Millat (Manufactured Under Transfer Technology from PERKINS U.K.)							
Type	350T - 3AE				485T - 2E			
Model	0325-11NA	0325-12NA	0325-16NA	0325-20NA	0441-26NA	0441-32TC	0441-36TC	0441-40TC
No. of Cylinders	3	3	3	3	4	4	4	4
Gross Engine Power (hp)	16.25	19.50	26.01	32.51	39.01	52.02	58.52	65.03
Compression Ratio	16.5:1	16.5:1	16.5:1	16.5:1	15.3:1	15.3:1	15.3:1	15.3:1
Sum Oil Capacity (Ltrs.)	6.8	6.8	6.8	6.8	7.5	7.5	7.5	7.5
Cycle / Configuration	4 Stroke / Vertical in-line							
Aspiration	Natural				Turbo Charged			
Combustion System	Direct Injection							
Fuel Tank Capacity (Ltrs.)	90	90	90	90	100	100	100	100

Alternator

Make	Leroy Somer / Stamford / MILLAT							
Prime / Stand By	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime
Voltage-No. of Phases	400 / 230-3							
Rated Current (Amps.) at 0.8 PF / Phase	18	22	29	36	43	58	64.8	72
Rated Frequency Hz/rpm	50 / 1500 ± 2%							
Excitation	Self Excited							
Coupling	Direct							
Voltage Regulation	Self Regulated ± 1%							

Dimensions

Length (mm)	1700	1700	1700	1700	2000	2000	2000	2000
Width (mm)	920	920	920	920	900	1000	1000	1000
Height without silencer (mm)	927	927	927	927	1570	1570	1570	1570

Gross Weight

Dry Weight Approx. (Kg)	1145	1145	1165	1175	1425	1460	1469	1469
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Note: - Stand by rating = 110% of Prime rating for 1 hour in 12 hours operation, as per ISO 8528 Standard

- All ratings are based on factory test bench conditions, it may vary according to site conditions.
- De-rating factors shall be applicable with respect to temperature, altitude/air pressure and humidity.

Millat products and specifications are subject to change without prior notice.

OPTIONAL

- Manual/Automatic (ATS/AMF)
- Soundproof Canopy
- Additional Diesel Tank (500 Ltrs.)
- Electronic control panels
- Yearly maintenance contract
- Repair and maintenance at customer's premises
- Generator controlled through remote locations
- Complete turnkey solutions

Note:

Millat products and specifications are subject to change without prior notice.



MILLAT Diesel Generating Sets (60 - 250 KVA)

**“A Dependable Source
of Alternate Power”**



- Comprises of reliable Perkins (UK) Engine coupled with world's renowned Alternators of hallmark repute.
- Fuel efficient
- Warranty 12 months/1200 hrs.
- Low maintenance cost
- Availability of Spares throughout Pakistan.
- Seamless after sales service through our regional offices and dedicated workshops of our dealer's network throughout Pakistan.



MILLAT Diesel Generating Sets (60 - 250 kVA)

Technical Data

Specifications		MPG-60 60 KVA	MPG-80 80 KVA	MPG-100 100 KVA	MPG-150 150 KVA	MPG-200 200 KVA	MPG-250 250 KVA
ENGINE							
Make		Perkins UK					
Number of Cylinders		3 vertical in-line	4 vertical in-line	4 vertical in-line	6 vertical in-line	6 vertical in-line	6 vertical in-line
Displacement		3.3 litres	4.4 litres	4.41 litres	5.99 litres	8.8 litres	8.7 litres
Aspiration		Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged
Cycle		4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke
Combustion system		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Compression ratio		17.25:1	17.25:1	18.2:1	16:1	16.1:1	16.9:1
Rotation		Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel	Anti clockwise viewed from fly wheel
Cooling system		Water cooled	Water cooled	Water cooled	Water cooled	Water cooled	Water cooled
Total lubrication system capacity		7.9 Litres	8.0 Litres	8.0 Litres	16.5 Litres	16.5 Litres	26.4 Litres
Total Coolant capacity		10.2 Litres	13 Litres	12.6 Litres	21 Litres	21 Litres	37.2 Litres
Engine Power		bhp (net)	72.1	94.4	120.8	173.3	239
Dimensions	Length (mm)	1049	1241	1259	1685	1941	1941
	Width (mm)	634	629	721	773	1013	1013
	Height (mm)	951	951	966	1065	1366	1366
Dry Weight (approx)		420 Kg	463 Kg	500 Kg	690 Kg	1135 Kg	1136 Kg
ALTERNATOR							
Make		LERROY SOMER / STAMFORD / MECCA ALTE					
Prime rating (KVA)		60 KVA	80 KVA	100 KVA	150 KVA	200 KVA	250 KVA
Voltage - No. of Phases		400/220 - 3	400/220 - 3	400/220 - 3	400/220 - 3	400/220 - 3	400/220 - 3
Rated Current (Amps.) at 0.8 PF		86.7	115.6	144.5	216	289	361.3
Rated Frequency Hz/RPM		50/1500	50/1500	50/1500	50/1500	50/1500	50/1500
Excitation		Self excited	Self excited	Self excited	Self excited	Self excited	Self excited
Coupling/bearings/pole		Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole	Direct/ Single/ 4 pole
Voltage regulation		Self regulated ± 1%	Self regulated ± 1%	Self regulated ± 1%	Self regulated ± 1%	Self regulated ± 1%	Self regulated ± 1%
Overload permissible for 1 hour in 12 hours operation		10%	10%	10%	10%	10%	10%
CANOPY							
Dimensions	Length x Width x Height (m ³)	2.8 x 1.1 x 1.4	2.8 x 1.1 x 1.9	2.8 x 1.1 x 1.9	3.7 x 1.2 x 1.8	3.6 x 1.1 x 1.8	4.3 x 1.4 x 2.1
	Fuel Tank Capacity (Ltrs)	160	260	260	340	435	460

Note: - Stand by rating = 10% of Prime rating for 1 hours operation.

- All ratings are based on test bench conditions, it may vary according to site conditions.

- De-rating factors shall be applicable with respect to temperature, altitude/air pressure and humidity.

OPTIONAL

- Manual/Automatic (ATS/AMF)
- Soundproof Canopy
- Additional Diesel Tank (500 Ltrs.)
- Electronic control panels
- Yearly maintenance contract
- Repair and maintenance at customer's premises
- Generator controlled through remote locations
- Complete turnkey solutions

Note:

Millat products and specifications are subject to change without prior notice.



MILLAT FORKLIFT TRUCK
FD 30M, FD35M & FD40M
(3 Ton, 3.5 Ton & 4 Ton Capacity)
"Carries the load, keeps you at Ease"



Millat Forklift Trucks are being manufactured at Millat Tractors Limited under licence from Anhui Forklift Truck Group (Heli) which is based on TCM technology Japan and powered by world renowned Millat D3.1524 engine

Salient Features:

- Low cost of ownership, low cost of operation and high quality are the key features of our Forklift Trucks.
- The controls are simple and conveniently placed so the driver's concentration can be on the job and not on mastering the machine.
- The hydraulic levers give positive "feel" of the hoist and tilt function to aid precise load control.
- The Millat engine fitted is the most economical, highly efficient and requires minimum maintenance with easy availability of parts upto town level.
- Millat Tractors Limited ensures to provide prompt after-sales service to its valued customers.



MILLAT FORKLIFT TRUCK FD30M, FD35M & FD40M

"Standard Specifications"

			3 Ton	3.5 Ton	4 Ton	
Characteristics	Capacity					
	Manufacturer		Millat Tractors Limited			
	Model		FD30M	FD35M	FD40M	
	Load Capacity	Kg	3000	3500	4000	
	Load Center	mm	500	500	500	
Dimensions & Weight	Power Type		Diesel	Diesel	Diesel	
	Control Type		Sit Down Rider Type	Sit Down Rider Type	Sit Down Rider Type	
	Tyre Type	Front / Rear	Pneumatic	Pneumatic	Pneumatic	
	Wheels (x = driven)	Front / Rear	2 x 2	2 x 2	2 x 2	
	Maximum Fork Height	mm	4000	4000	4000	
	Free Lift	mm	305	305	305	
	Fork Size	L x W x T	mm 1070 x 125 x 45	1070 x 125 x 45	1070 x 125 x 45	
	Tilt Angle	Fwd / Bwd	deg 6 / 12	6 / 12	6 / 12	
	Length to Fork Face	mm	2693	2693	2693	
	Overall Width	mm	1225	1225	1225	
	Mast Height Fork Lowered	mm	2070	2070	2070	
	Overhead Height Fork Raised	mm	4250	4250	4250	
Overhead Guard Height	mm	2090	2090	2090		
Turning Radius (Outside)	mm	2400	2400	2400		
Load Distance (Centerline of front axle to front face of forks)	mm	498	498	498		
Basic Right Angle Stacking Aisle Width (Add load length and clearance)	mm	2898	2898	2898		
Total Weight (approx)	kg	4200	4200	4200		
Performance		Travel Max.	With Load	km/h 15.3	15.3	15.3
		(Fwd / Rvs)	Without Load	km/h 16.5	16.5	16.5
	Speeds	Lifting	With Load	mm/s 335	335	335
			Without Load	mm/s 385	385	385
		Lowering	With Load	mm/s 450	450	450
			Without Load	mm/s 500	500	500
Max. Drawbar Pull	With/Without Load	kg	1500/1000	1500/1000	1500/1000	
Max. Gradeability	With/Without Load	%(tane)	18/20	18/20	18/20	
Chassis	Tyre	Number	Front / Rear	2/2	2/2	2/2
		Size	Front	28 x 9 - 15 - 12 PR	28 x 9 - 15 - 12 PR	28 x 9 - 15 - 12 PR
		Rear	6.50 - 10 - 10 PR	6.50 - 10 - 10 PR	6.50 - 10 - 10 PR	
	Wheel Base	mm	1700	1700	1700	
Tread	Front	mm	1000	1000	1000	
	Rear	mm	970	970	970	
Ground Clearance	At Lower Point (Mast)	mm	135	135	135	
	Frame		140	140	140	
Brake	Service		Hydraulic - Foot Pedal	Hydraulic - Foot Pedal	Hydraulic - Foot Pedal	
	Parking		Mechanical - Hand Lever	Mechanical - Hand Lever	Mechanical - Hand Lever	
Engine & Transmission	Battery	Voltage / Capacity	VI/Ah	12 / 88	12 / 88	12 / 88
	Internal Combustion Engine	Model		Millat	Millat	Millat
		Rated Horsepower @ 2,250 rpm	Ps	40	40	40
		Max. Torque @ 1,400 rpm	Nm	172	172	172
		Number of Cylinders		3	3	3
		Displacement	lit	2.5	2.5	2.5
	Fuel Tank Capacity	lit	50	50	50	
Transmission	Number of Speed Fwd/Rvs - Type		2 / 2-Manual Shift	2 / 2-Manual Shift	2 / 2-Manual Shift	
Operating Pressure	For Attachment	kg/cm ²	175	175	175	

Note:

Millat Tractors Ltd. reserve the right to change the specifications without prior notice.



MILLAT PRIME MOVERS MODELS 50 HP & 75 HP

(Manufactured under Perkins (UK) Technology)

"A Multi-Purpose Power Source"



Millat Prime Movers (Power Packs) - a reliable source of power, are based on quality Millat Engines. Millat Prime Movers can be used for a variety of tough applications like:

- Irrigation Schemes
- Pumping Sets
- Drilling
- Pulp Mills
- Rock / Stone Crushers
- Other Industrial and Agricultural Applications.
- Hydraulic Pumps & Motors
- Power Looms & Oil Expellers

SALIENT FEATURES:

- Total power pack easy to install & ready to operate reducing on-site installation and labour cost.
- Long life & fuel efficient.
- An extensive after-sales-service backup through Millat's nation wide dealer network.
- Assured ready availability of full range of spare parts.
- Reliability of Millat Engine reduces down-time and operational costs.



MILLAT PRIME MOVERS MODELS 50 HP & 75 HP

Specifications	MODELS	
	50 HP	75 HP
ENGINE		
Cycle	4 Stroke	4 Stroke
Number of Cylinders / Configuration	3 Vertical in Line	4 Vertical in Line
Compression Ratio	16.5:1	15.3:1
Capacity (Ltrs.)	2.5	4.1
Output at : 2250 rpm (Kw / HP)	36.5 / 49	56 / 75
Aspiration	Natural	Natural
Cooling System	Water Cooled with Tropical radiator to operate at: Amb. Temp. 50°C	
Power Take-off	From Flywheel End	
Direction of Rotation	Anti-Clockwise	
CAPACITY		
Sump Oil (Ltrs.)	6.8	7.5
Coolant Radiator (Ltrs.)	10.2	15.2
Fule Tank (Ltrs.)	45	45
STANDARD EQUIPMENT		
Clutching / Declutching with Lever		
Instrumentation Panel Mounted on Base Frame Complete with.		
a) RPM Meter		
b) Hour Meter		
c) Low Oil Pressure Gauge		
d) Engine Temperature Gauge		
e) Indicator Gauge		
f) Ignition key Switch		
DIMENSIONS		
Overall Length (mm)	1270	1400
Overall Width (mm)	1023	1250
Overall Height without Silencer (mm)	1280	1350
DRY WEIGHT		
Approx (Kg)	535	750

Note:

Millat products and specifications are subject to change without prior notice.



MILLAT TRACTORS LIMITED

LIST OF MTL OFFICES

Head Office:

MILLAT TRACTORS LIMITED

Sheikhupura Road, Shahdara,

LAHORE - PAKISTAN

Phone No. : + 92 42 111 200 786

+ 92 42 3791 1021-5

Fax No. : + 92 42 3792 5835 / 3792 4166

E - mail : info@millat.com.pk

ins_sales@millat.com.pk (For Corporate Customers)

Regional Offices:

1. ISLAMABAD

MILLAT TRACTORS LIMITED

House # 22 - Street No. 41,

Sector F - 6 /1,

ISLAMABAD

Phone No. : + 92 51 227 1470

Fax No. : + 92 51 227 0693

E - mail : mtlisbd@millat.com.pk

2. MULTAN CANTT

MILLAT TRACTORS LIMITED

Garden Town (Daulatabad)

Sher Shah Road,

MULTAN CANTT

Phone No. : + 92 61 653 7371

Fax No. : + 92 61 653 9271

E - mail : mtlrom@millat.com.pk

mtlmf_multan@hotmail.com

3. SUKKUR

MILLAT TRACTORS LIMITED

House # B-160 Akuwat Nagar Society

Near Goal Masjid, Airport Road,

SUKKUR

Phone No. : + 92 71 581 5041

Fax No. : + 92 71 581 5042

E - mail : mtlisuk@hotmail.com

4. KARACHI

MILLAT TRACTORS LIMITED

3 - A, Fayyaz Centre, Sindhi Muslim

Co-operative Housing Society,

KARACHI

Phone No. : + 92 21 3455 3752

Fax No. : + 92 21 3455 6321

E - mail : mtlrok@ciber.net.pk



MILLAT TRACTORS LIMITED

LIST OF MTL MAIN DEALERS

S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
N-1			
1	TRACTOR HOUSE atiqzaman1962@gmail.com	Zaman Market Mardan Road, CHARSADDA	0333-9116916
2	TRACTOR HOUSE atiqzaman1962@gmail.com	Opp. Eid Gah, Charsadda Road, PESHAWAR	0333-9116916 0301-8874397
3	IFTIKHAR TRACTORS arbabshahir@icloud.com	Charsadda Road, PESHAWAR	091-2041386 (Fax #) 2582567 0332-0202070 0300-3050555
4	Ghulam Muhammad Auto Store gmasswat@gmail.com ghaus.chil@gmail.com	Near Govt. High School Amankot, Mingora Swat	094-6710155 0300-5743994 0321-2223994 0345-0597959
5	KOHAT AUTOMOBILES babar_shah78@hotmail.com	Peshawar Road, KOHAT	092-2510108 0333-9591230 0300-9151230
6	ZAHOOR TRACTOR HOUSE zahoortractorhouse@gmail.com	Sugar Mills Road, MARDAN	093-7873898 0300-9176370 0300-5721320
7	SAMIR TRACTOR AGENCY samirtractor@gmail.com sajjadh826@gmail.com	Near Nadra Office, PARACHINAR	092-6310440 0303-9051400 0300-5545185 0302-3942212
8	SAYYAR TRACTOR AGENCY sayyartractor@gmail.com	College Road, PARACHINAR	092-6313440 Fax: 092-6312840 0300-5952998 0336-0121112
9	HUNZA MOTORS hunzamotors1984@gmail.com	Near PIA Booking Office, Link Road, GILGIT	05811-452619 0312-0218183 0355-5552619 0344-5983849
10	JEWAN TRACTORS smanaeem@yahoo.com	7km Madina Plaza Mohra Kalawan Abbottabad Road, HARIPUR	0333-4310970 0321-9460970 (Lahore office) 37911827
N-2			
11	SAIGOL MOTORS saigolmotors@hotmail.com	Pir Wadhay Road, Near Westridge Telephone Exchange, RAWALPINDI	051-5473617-18 0321-5168709 0333-5114689 0345-5460711



MILLAT TRACTORS LIMITED

S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
12	SANA & BROTHERS ENTERPRISES bagh333@gmail.com	Rawalpindi Road, Bagh (Azad Kashmir)	0333-3300656 0341-9307786
13	HAJI SHER MUHAMMAD & BROTHERS sababashir137@gmail.com waqas474@hotmail.com	Kohat Road, Near College More Tehsil, Fateh Jang Distt. ATTOCK	057-2212300 0300-9555611 0345-9555611
14	ITTEFAQ TRACTORS, (Formerly Iqbal Ent.) khanammadali9@gmail.com	Near Odherwal Chowk Tallagang Road, CHAKWAL	054-3541863 & 3411805 0300-5315265 0300-5082043
15	ISHTIAQ TRACTORS HOUSE malikishtiaq.tractor@yahoo.com	Near Mangla By Pass G.T. Road, DINA Jhelum	054-4635446 & 4294246 0333-5825446 0340/0331-5847113
N-3			
16	FRIENDS CORPORATION tariqtarar122@gmail.com	Massey Chamber, Sat Sira Chowk Sugar Mills Road, MANDIBAHUDDIN	Fax # 0546-502502 054-6501502 0300-7740345
17	ZESHAN TRACTORS zeeshantractors786@gmail.com	Hariyawala Chowk, G.T. Road, GUJRAT	053-3601374 0307-7775995 0321-6246478
18	HASSAN CORPORATION hasancorporation.grw@gmail.com	Near Murad Eye Hospital, G.T. Road, GUJRANWALA	055-4290677 & 4290678 0333-8209080 0306-6494673
19	AL-JABBAR TRACTORS aljabbartractors2@gmail.com	Chowk Kotli Behram, Wazirabad Road, SIALKOT	052-4264242 & 4264580 0300-8714242 0300-8612242
20	ZAHID BROTHERS khalid_qureshii191@yahoo.com	Ikhlas Pur Road, SHAKARGARH Distt. (NAROWAL)	054-2450989 & 2450076 0300-8466416 0300-4126949
21	USMAN ENTERPRISES usmanagro@gmail.com	Sheikhupura Road Near Millat Tractors Limited, FEROWWALA	042-37924248 Fax # 37921347 0300-8404348 0322-4001248



MILLAT TRACTORS LIMITED

S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
N-4			
22	KURRAM TRACTORS kurramtractor486@gmail.com	D.I. Khan Road, (BANNU)	096-9352026 0332-9797178
23	INDUS AUTOS indusautos@gmail.com	Sheikh Yousaf Adda Bannu Road, D.I. KHAN	096-6711021 0345-9833991
24	LAKKI TRACTOR SHOWROM abdullahjan7803@gmail.com	Bannu Road, D.I.Khan	096-6740151 0301-8795518 0336-8795518
25	PAKISTAN TRACTOR HOUSE pakistantractorhouse6@gmail.com	Lahore Road, SARGODHA	048-3223156-58 0300-8600001 0300-6038886
26	PAK TRACTOR HOUSE ks5547257@gmail.com	Opposite Al - Awan Town No. 2 Mianwali Road, JAUHARABAD (Distt. KHUSHAB)	045-4722054 0300-8600001 0300-6072156
27	SUPER UNITED TRACTORS shoaibjani@yahoo.com	Sargodha Road, Truck Stand, MIANWALI	045-9231365 0300-6099779 0343-8774499
28	SHAHEEN TRACTOR HOUSE zaheermughal1@hotmail.com	Jhang Road, BHAKKAR	045-3511750 0336-1237800 0333-6840750
N-5			
29	GLOBE AUTOMOBILES globeautomobiles84@yahoo.com	13-Lake Road, Opposite University Ground, LAHORE	042-37240327 042-37173431 0300-8020282
30	ZAMINDAR TRACTORS & EQUIPMENT biikhwaja@gmail.com	50.8 KM, Ferozpur Road, KASUR	0313-0403220
31	KISSAN BROTHERS mazzam_hayat@yahoo.com	Fazal M. Khan Colony, KASUR	0300-6593123 0302-6814604 0300-4224228
32	KHAWAJA AUTOS khawajazia25@gmail.com	Lahore Road, OKARA	044-2700693 0300-6954739 0301-7330616
33	SHABBIR TRADING COMPANY stcdpr@gmail.com	Pakpattan Road, Depalpur (Distt: Okara)	044-4541222 Fax # 4541555 0302-8506666 0300-6964444



MILLAT TRACTORS LIMITED

S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
34	SAHIWAL TRACTOR HOUSE PVT. LTD. salmans_@hotmail.com	Railway Road, SAHIWAL	040-4463855 0321-6917233 0300-9690211 Fax # 4226029
35	KISSAN TRACTOR HOUSE kissanpakpattan@gmail.com	Near Wapda Grid Station Sahiwal Road, PAKPATTAN	045-7372920 0300-6949605 0301-7256880 0321-4631111
N-5A			
36	AHMED K. AGENCIES khawajasakram@gmail.com	Toba Road, Near Railway Phatak, JHANG SADDAR	047-7613960 0300-6509030
37	JHANG TRACTOR HOUSE jhangtractors@gmail.com	2-KM Bhakkar Road, Opp. Punjab Seed Corporation, JHANG SADDAR	047-7628769 0313-7102637
38	MILLAT SALAR TRACTORS millatsalar.co@gmail.com	Guttwala Toll Plaza Sheikhupura Road, FAISALABAD	041-2423881-2 0300-6630998 0333-8888236
39	REHMAN TRACTOR HOUSE rehmantractortoba@gmail.com	Rajana Road, Toba Tek Singh	046-2511134 0300-6562621
40	SHAHRAH AUTOS shahrahauto.mtl@gmail.com	Faisalabad Road, SHEIKHUPURA	056-9790979 0300-4220122
41	BILAL TRACTORS bilaltractors2084@gmail.com	Warbuton Road, NANKANA SAHIB	0302-1419486 0321-9478644
N-6			
42	MULTAN AUTOS awanwaqasahmad@gmail.com	Near Vehari Chowk, Abdul Hakeem Arcade, Bahawalpur Road, MULTAN	061-4541050 0300-8732003 0301-5186679
43	MULTAN AGRO TRACTORS multanagrotractors@gmail.com	Bahawalpur Road, Near Shell Petrol Pump, MULTAN	0307-7325700 0314-6108125
44	HALEEM (PVT) LIMITED burhankhalil@gmail.com	Jahanian Road, Massey Adda, KHANEWAL	0334-6804856 0333-4888022
45	SYED TRACTORS sajidmanzoor2233@gmail.com	Bahawalpur Road, LODHRAN	060-8361521 & 8361846 0301-5149814 0345-8794840



MILLAT TRACTORS LIMITED

S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
N-7			
46	AL-HASSAN TRADERS alhassantradersbwp@gmail.com	Multan Road, BAHAWALPUR	062-2882693 0333-1973333 0300-8731601 0314-6868188
47	PANJNAD TRACTORS punjnadians@gmail.com punjadtractors@gmail.com	By Pass Road, Near Theli Chowk, R.Y.KHAN	068-5883511-12 Fax # 5871593 0300-8671260 0301-8671270
48	AZIZ SONS TRACTOR CORPORATION engr.arshad244@yahoo.com	By Pass Road, Near Adda Khanpur, R.Y. KHAN	0300-8678654 0321-8678654 0333-7492067
N-8			
49	PAK GHAZI TRACTORS pakghazitractors2252@gmail.com	Indus Highway, Near Boys Degree College, JAMPUR Distt. Rajanpur	060-4568566 0300-6780566 0333-6067266
50	UNIVERSAL AUTOS ch.nawaz1661@gmail.com	Pul Dat, Chowk Shakoor, D.G. KHAN	0322-8688461 0334-4663662 0332-1522221 0321-6783662
51	CHENAB TRACTORS HOUSE cth_2241@yahoo.com	Ali Pur Road, MUZAFFARGARH	0321-4221666 0321-6866916
52	SOUTH PUNJAB TRACTOR HOUSE mustafachand233@gmail.com	M.M Road, Sarwar Shaheed Road, KOT ADDU Distt. M. Garh	0333-7133233 0345-7133233
53	THAL AGRO SERVICES thal2261@gmail.com	OPP.D.C. House, Chubara Road, LAYYAH	060-6413013 0304-7032626 0300-6383441
N-9			
54	VEHARI TRACTORS veharitractorsvehari@gmail.com	Kutchery Road, VEHARI	067-3364656 0333-6278866 0305-1733818 0334-84520000
55	SARGROH SERVICES sargrohtractors@gmail.com	Minchinabad Road, BAHAWALNAGAR	063-2272459 0300-4820100 063-2271403
56	SUTLEJ TRADERS latifcheema2221@gmail.com	Highway Road Chowk Fawara, CHISHTIAN	063-2502001-2 0300-6989177 0300-6981103



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S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
57	AL-HASSAN TRADERS alhassantraders2282@gmail.com	Bahawalpur Road, HASILPUR	062-2443593 2442593 0300-6848250
S-1			
58	POPULAR TRACTOR COMPANY populartractors.suk@gmail.com	Hussani Road, SUKKUR	071-5614690 (Ghotki) 071-5662109 0334-3123777 0300-3123771
59	MADINA TRACTORS madinattractors11@gmail.com	By Pass, GHOTKI (Sindh)	0300-8316222 0345-8316222
60	JACOBABAD TRACTORS tufailkhosa@gmail.com	Shikarpur Road, JACOBABAD	0333-3428549 0346-3372494
61	KASHMORE TRACTOR COMPANY kashmoretractors@gmail.com	Indus Highway Road, KASHMORE	072-2575500 2577700 0333-7360636
62	LARKANA TRACTOR COMPANY lrc.larkana@gmail.com	Ottha Chowk, Airport Road, LARKANA	0333-7502754 0315-7503147
63	AL-DAAVI TRACTOR HOUSE aldaavittractorshouse@gmail.com	Ghari Kharo Road, SHAHDAD KOT	0300-9437137 0334-4000232 0333 - 7501199 0333-7507581
64	GOOD LUCK TRACTOR COMPANY imran_shaiikh55@hotmail.com	National Highway, Near General Bus Stand, KHAIRPUR	024-3551649 0300-8469556 0300-9319556 0321-7599989
S-2			
65	MEHRAN TRADING COMPANY mehran_sanghar@hotmail.com	Nawabshah Road, SANGHAR	023-5541792 0345-8214792 0333-2914792
66	ZARDARI TRACTORS zardaritractorsmptors04@gmail.com	Opposite Bilal Garden, Shahpur Chakkar Road, SHAHDADPUR DISTT. SANGHAR	0235-843118-9 0300-3211809 0332-1271395
67	PAKISTAN ZAREE INDUSTRY pakistanzareeind@yahoo.com	National Highway, Near Line Channel, HYDERABAD	0333-2733199 0346-3848248 0333-2623164
68	K.K. TRACTORS khalidhabibkk@yahoo.com	Al-Habib Petroleum By Pass Road, TANDO ALLAH YAR	0300-8374564 0300-3300663



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S. No.	NAME OF DEALERSHIP	ADDRESS	CONTACT NO.
69	AL-HAMD TRACTOR HOUSE memon.imdadali@yahoo.com	Opp. Edhi Centre, Sehwan Sharif Road, DADU	0344-3577099 0302-2082167
70	MILLAT FARM MACHINERY millatfarm@yahoo.com	Sanghar Road, NAWABSHAH	024-4360241 0307-3109010 0333-7022110 0333-3109010
71	ALI RAZA TRACTORS	Daras Road, Moro, NAUSHERO FEROWE	075-2410041 0300-3215148
72	AGRICO INTERNATIONAL agrico786@gmail.com	3-Rehman Plaza 90-A/1 Depot Lines Opp. IBA Aman Tower, KARACHI SADDAR	021-32224987 Fax: 021-32226337 0300-9272656 0300-2619449 0334-4504000
73	THARPARKAR TRACTOR HOUSE tth_mpk@yahoo.com	Near Ali Auto Engineering, Sir Syed Road, MIRPURKHAS	023-3873457 0300-3310770 0331-7979000 0333-2977808
74	ABBAS TRACTOR SHOWROOM abbas.tractors28@gmail.com	Near Khipro Bus Stand Umer Kot Road, MIRPURKHAS	023-3820726 0305-3347825
S-3			
75	ZAMINDAR TRACTORS	Market Road, PISHIN	0332-3271100
76	DAAVI AUTOS, daavi_autos@yahoo.com	Ali Bhai Road, QUETTA	081-2822013-16 0321-8006055 0334-4822017 0300-9437137
77	BOLAN TRACTOR HOUSE daavi_autos@yahoo.com	Quetta Road, LORALAI	082-4410406 0300-9437137 0333-4000232
78	RAAVI TRACTOR HOUSE daavi_autos@yahoo.com	Kandhari Road, CHAMAN	082-6612577 0300-9437137 0333-4000232
79	BALOCHISTAN TRACTOR & SERVICES	Ingle Road, QUETTA	0333-7828296
80	NATIONAL AGRI. ENGG. & SERVICES naes.shahid@gmail.com	Opp. National Bank National Highway, NASIRABAD JHATPAT	083-8510184, Fax: 8510736 0301-3845655 0347-0990247
81	JAFFARABAD TRACTOR COMPANY abduwahidumrani78@gmail.com	M.A. Jinnah Road, USTA MUHAMMAD DIST JAFFARABAD	083-8612928 083-8613928 & 510999 0300-3709850 0333-3707273

Affiliate Partners



MASSEY FERGUSON



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