

# INTERCULTIVATOR/ POWER WEEDER **AM-MPT-1100-9D-BRM**



Thanks For Ratnagiri Impex Pvt Ltd. This machine is our company in full absorption of the advantages of a variety of rural management machines at home and abroad, combined with the of soil quality, climate and users' different usage habits, A new type of multifunctional pastoral management machinery is designed.

When you buy this product, in order to fully understand the performance and characteristics of the machine, ensure the correct operation, correct maintenance, correct repair, in order to give full play to the maximum performance of the machine, please read this manual carefully.

In order to improve the product performance and constantly meet the customer needs, the performance of this product may continuously improve and improve, this manual may differ slightly from the actual product without notice, please understanding.

If there is unknown, please contact the dealer or directly contact our company

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Annendix R. Anney List

#### 1.Use and scope of application

1.Main uses: rotary tillage, land reclamation, soil loosening, ditches, soil cultivation, ridges in agricultural greenhouses and farmland
2.Scope of adaptation: greenhouse operations, vegetable fields, flower farms, orchards, paddy fields, hillsides and other small plots.

#### 2. Main construction and working principle

The advanced low speed engine is used as the power, which is driven to the gearbox by the gear shaft, and then to the tillage position by the gearbox gear speed change. Replacement of different parts of the carry out a variety of farmland operations.



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#### 3. Main performance and parameters

Main performance

 $1 \square \;$  With a hoe can work hard, the installation of trench opener can open the ditch operation

	Item	Unit	Value	
	Type name	/	3TGQ-4C	
Super	Structural	/	two wheel drive	
e.	Overall dimension(L×W×H	mm mm	1600×720×860	
	Main gear box Structural	/	Gear driven	
30 6	Main gear box material	/	Iron	
SUP	Secondary gearbox structur	e /	Gear+ chain	
owe	Secondary gear box materia	1 /	Iron	
	Level adjustment	/	270°	
	Vertical adjustment	/	29°	
	Engine output transmission	mode /	gear drive	
1 Mair	Main Clutch Type		friction disk	
SUP	Main clutch condition		normally open	
OWE	Walking wheel type		rubber	
	Drive wheel type during op	eration /	Drive tool wheel	
10)	Running speed	km/h	≤10	
SUP	Power	1	186 diesel engine	
ower	rated power	kW	6.6	
	rated speed	r/min	3600	
	Start - up mode	191	Hand pull	
	Fuel type		Diesel	
T loe	Tuer type	· · · · · · · · · · · · · · · · · · ·		
nstallation	-01	steners nas been added as indicated x for no abnormal sound and fe	ver	
3 4 □4□ □5□	Handle up and down: Loos Control handle rotation: gr. own working position, rel Clutch adjustment: adjust to and the triangular belt does rive the transmission spindle.	ease adjustment separation han the clutch tension and adjust to	e, at 360 arbitrary adjustment, adjust to the	ulls the engine
4. Use	Operation			
Prepa	ration before use			
	r adequate engine and transmission leck that the parts are flexible and t		ening must be adjusted if loose	
	eck that the fuel meets the standard		-	
•	eck that the tilling parts are damag	ed or properly installed		
	When starting, must follow th	e engine start-up requireme	ents, posture to be correct	
	ΔNote Belt adjustment is	impossible during engir	e operation Do not touch the	silencer to

# avoid damage to you 2□ **Operate**

□1□ In order to ensure the normal operation of the engine and prolong its service life, the engine must run for 5-10 minutes before carrying out farmland operation.

 $\Box 2\Box$  When working , hang the gear , light refueling door , slowly close the clutch handle , you can carry out farm operation

.Release sen clutch to cut power.

 $\Delta$ Note It is strictly forbidden to use clutch to control speed. It is strictly forbidden not to use clutch to switch gear.

(3) When trench is opened, the working depth is controlled by the depth limiting wheel, and the depth limiting wheel can be increased by raising the depth limiting wheel, whereas the depth

becomes shallow.

- (4) Remove rubber wheel and install iron wheel during furrow and ridge operation.
- (5) Can gradually increase the depth, but also repeated, until the depth of ploughing requirements.
- (6) If the machine does not reach the speed will overload operation, should adjust the operation method in time, and pay attention to safety.

## 4. Repair and maintenance

- 3. When the new machine is used, it must go through 60 hours running-in period, no high speed operation and heavy load operation during the running-in period.
- 2. After the engine, gearbox is initially used 15-20 hours, the lubricating oil must be replaced, and then every 50-60 hours. The gearbox must ensure adequate oil.

#### 7. Parking

#### 1.Short-term parking

- a. The components must be cleaned and switched off after each operation;
- b. When parked, do not approach flammable substances and stay away from the source of fire;
- c. Check whether all parts are loose and damaged and solve problems.
- 2.Long-term parking

Clean the engine and transmission oil in hot vehicle

- a. condition (Note: inject new oil when starting again);
- b. Push transmission lever to neutral position, place clutch in natural position;
- c. Apply lubricating oil or butter to all cables and after cleaning;
- d. Remove the dust and debris from the engine cooling parts;
- e. Keep away from fire and flammable and corrosive substances; place in a dry place.

## 8. Safety precautions

- 1. The new machine must be run-in according to the maintenance requirements, the runningin period can not be high-speed heavy load operation
- After the engine and gearbox are initially used 15-20 hours, the lubricating oil must be replaced and every 50-60 hours thereafter.
  - 3. Engine maintenance according to engine instructions
  - 4. Unqualified fuel and lubricants are strictly prohibited
- 5. The machine must be trained by technical personnel or familiar with the instructions . People who are not familiar with the operation essentials are not operate
  - 6. Check that the gear is in neutral position before operation
  - 7. When the tool is running, it is strictly forbidden to approach the working tool

SL NO	PART NO	DESCRIPTION
1 Economy	AM-MPT-9D-BRE-T01	SHIFT GEAR BOX
2	AM-MPT-9D-BRE-T02	UP SHIFT GEAR BOX
3 Super sco	AM-MPT-9D-BRE-T03	DOUBLE GEAR 18 TEETH
4	AM-MPT-9D-BRE-T04	DOUBLE GEAR 28 TEETH
5	AM-MPT-9D-BRE-T05	DOUBLE GEAR 16 TEETH
6	AM-MPT-9D-BRE-T06	DOUBLE GEAR 44 TEETH
7	AM-MPT-9D-BRE-T07	PRINCIPAL AXES
8	AM-MPT-9D-BRE-T08	ROLLING BEARINGS
9	AM-MPT-9D-BRE-T09	ROLLING BEARINGS
10	AM-MPT-9D-BRE-T10	COUNTERSHAFT 24 TEETH
11	AM-MPT-9D-BRE-T11	POSITIVE & NEGATIVE AXIS
12	AM-MPT-9D-BRE-T12	AXES 42 TEETH
13	AM-MPT-9D-BRE-T13	AXES 16 TEETH
14	AM-MPT-9D-BRE-T14	AXES 32 TEETH
15	AM-MPT-9D-BRE-T15	AXES DOUBLE GEAR 16 TEETH
16	AM-MPT-9D-BRE-T16	AXES
17	AM-MPT-9D-BRE-T17	AXES 30TEETH
18	AM-MPT-9D-BRE-T18	AXIS 30- 2
19	AM-MPT-9D-BRE-T19	AXES 26 TEETH
20	AM-MPT-9D-BRE-T20	AXIS 30 TEETH

		er	er
onomy	21	AM-MPT-9D-BRE-T21	SPROCKET
	22	AM-MPT-9D-BRE-T22	SPROCKET
onomy	23	AM-MPT-9D-BRE-T23	COUNTERSHAFT DOUBLE GEAR SHAFT 20TEETH
0	24	AM-MPT-9D-BRE-T24	COUNTERSHAFT DOUBLE GEAR SHAFT 30TEETH
omy	25	AM-MPT-9D-BRE-T25	COUNETSHAFT 28 WIDTH
	26	AM-MPT-9D-BRE-T26	KEYWAY GEAR
ත් ත්	27	AM-MPT-9D-BRE-T27	GASKET
	28	AM-MPT-9D-BRE-T28	BALL BEARING
	29	AM-MPT-9D-BRE-T29	GASKET
S S S S S S S S S S S S S S S S S S S	30	AM-MPT-9D-BRE-T30	BALL BEARING
	31	AM-MPT-9D-BRE-T31	SHAFT USE
	32	AM-MPT-9D-BRE-T32	UMBRELLA GEAR
L	33	AM-MPT-9D-BRE-T33	UPPER GEAR SHAFT
.01	34	AM-MPT-9D-BRE-T34	AXIS 24 TEETH
	35	AM-MPT-9D-BRE-T35	UMBRELLA GEAR
onomy	36	AM-MPT-9D-BRE-T36	ROLLING BEARINGS
	37	AM-MPT-9D-BRE-T37	ROLLING BEARING
	38	AM-MPT-9D-BRE-T38	ROLLING BEARING
onomy	39	AM-MPT-9D-BRE-T39	FLANGE OUTPUT AXES
per b	40	AM-MPT-9D-BRE-T40	CLUTCH FORK

	ow some	DOWN TO THE PROPERTY OF THE PR	Forme	
Maximum	41 Maximum	AM-MPT-9D-BRE-T41	AXES, CLUTCH FORK	
Super Economy	42	AM-MPT-9D-BRE-T42	O RING	
	43	AM-MPT-9D-BRE-T43	CIRCLIP DIN	
Super Economic	44	AM-MPT-9D-BRE-T44	NUT	
	45	AM-MPT-9D-BRE-T45	O RING	
nomy	46	AM-MPT-9D-BRE-T46	FRONT BOX GASKET	
Super Eco	47	AM-MPT-9D-BRE-T47	OIL PLUG BAFFLE	
nomy	48	AM-MPT-9D-BRE-T48	AXES SLEEVE 2	
POWET SUPETER	49	AM-MPT-9D-BRE-T49	AXES SLEEVE 1	
2	50	AM-MPT-9D-BRE-T50	AXES SLEEVE 2	
Super Economy	51	AM-MPT-9D-BRE-T51	AXES SLEEVE 1	
ower	52	AM-MPT-9D-BRE-T52	AXES SLEEVE 2	
Super Economy	53	AM-MPT-9D-BRE-T53	AXES SLEEVE 1	
Paw	54	AM-MPT-9D-BRE-T54	AXES SLEEVE 2	
omy	55	AM-MPT-9D-BRE-T55	COTTOR PIN	
Super Econ	56	AM-MPT-9D-BRE-T56	AXES SLEEVE	
d	57	AM-MPT-9D-BRE-T57	GEAR	
Super Econor	58	AM-MPT-9D-BRE-T58	GEAR	
m Pawer	59	AM-MPT-9D-BRE-T59	CYLINDER GEAR	
	60	AM-MPT-9D-BRE-T60	DIFFERERENTIAL GEAR	
Super Econ	Super Econ	omy Super Economy	Super Economy	

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81	AM-MPT-9D-BRE-T81	DIN
82	AM-MPT-9D-BRE-T82	SPRING
83	AM-MPT-9D-BRE-T83	STEEL BALL
84	AM-MPT-9D-BRE-T84	HEXAGON NUT
85	AM-MPT-9D-BRE-T85	DIN
86	AM-MPT-9D-BRE-T86	DIN
87	AM-MPT-9D-BRE-T87	COMPOUND GASKET
88	AM-MPT-9D-BRE-T88	WALKING SHAFT LEVER
89	AM-MPT-9D-BRE-T89	DICTHING SHIFT LEVER
90	AM-MPT-9D-BRE-T90	ROTATION DIRECTION CHANGE FORK
91	AM-MPT-9D-BRE-T91	WALKING FORK
92	AM-MPT-9D-BRE-T92	SEAT, CABLE
93	AM-MPT-9D-BRE-T93	CHAIN LINK
94	AM-MPT-9D-BRE-T94	CHAIN LINK
95	AM-MPT-9D-BRE-T95	ISO 4762
96	AM-MPT-9D-BRE-T96	LOCATION PIN
97	AM-MPT-9D-BRE-T97	BS 3673
98	AM-MPT-9D-BRE-T98	DIFFERENTIAL FEATURE FORK
99	AM-MPT-9D-BRE-T99	DIFFERENTIAL FEATURE LEVER
100	AM-MPT-9D-BRE-T100	PIN

#### **INSPECTION & MAINTENANCE**

For safety use, make sure the machine is cleaned every three-months. Before working, make sure to inspect the filter and the nozzle, and ensure there is no impurity. After working, make sure there is no water in the pump and the hose.

If the machine needs to be repaired in the guarantee period, please return the machine to the shop. You need to provide the certificate of purchase in order to repair or get the substitute.

Before Packing, the machine should be cleaned, then use closed packaging, packaging should be firm. Store the machine in dry place.

For transportation safety. The machine should comply with ISTA.



Meaning of crossed - out wheeled dustbin:

Do not dispose of electrical machines as unsorted municipal waste, use separate collection facilities.

If electrical machines are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old machines with new ones, the retailer is legally obligated to take back your old machine for disposals at least free of charge.

	DIVIER GUPY
Date	Date of Delivery
Fulchasers Name & Address	
	Dealer's Office Seal
Product Name	
AM-MPT-1100-9D-BRM INTERCULTIVATOR/ POWER WEEDER	
Product Serial No.	Dealer Sign
	Customer Sign.
Invoice / DN No.	I/We accept the terms and conditions of Warranty a
	in the Warranty Card.
	ER'S COPY
	LIT 3 GOT 1
	Date of Delivery
Fulchasers Name & Address	
Purchaser's Name & Address  oduct Name  M-MPT-1100-9D-BRM INTERCULTIVATOR/ POWER  veeder oduct Serial No.  Varranty Card  ate  Purchaser's Name & Address  oduct Name  M-MPT-1100-9D-BRM INTERCULTIVATOR/ POWER WEEDER  oduct Serial No.  Varranty Card  composition of the composition	Dealer's Office Seal
Product Name	
AM-MPT-1100-9D-BRM	<u> </u>
Product Serial No.	Dealer Sign
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	in the Warranty Card.
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	Date of Delivery
	Dealer's Office Seal
Product Name	
AM-MPT-1100-9D-BRM INTERCULTIVATOR/ POWER WEEDER	Dealer Cien
Product Serial No.	Dealer Sign
L / DNIAL	Customer Sign.
Invoice / UN No.	I/We accept the terms and conditions of Warranty a in the Warranty Card.

1. LIMITED WARRANTY PERIOD: For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION: Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imbursement. 3. TERMS & CONDITIONS: a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document.: b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser.

#### WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / coler water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc., (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
- 4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
- 5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
- 6. Loss of any nature due to operation or non-operation is not covered under warranty.
- 7. All free service are at Dealer's service point only.
- 8. Warranty ceases if service is not done periodically.
- 9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
- 10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
- 11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
- 12. All disputes are subject to Bangalore Courts Jurisdiction
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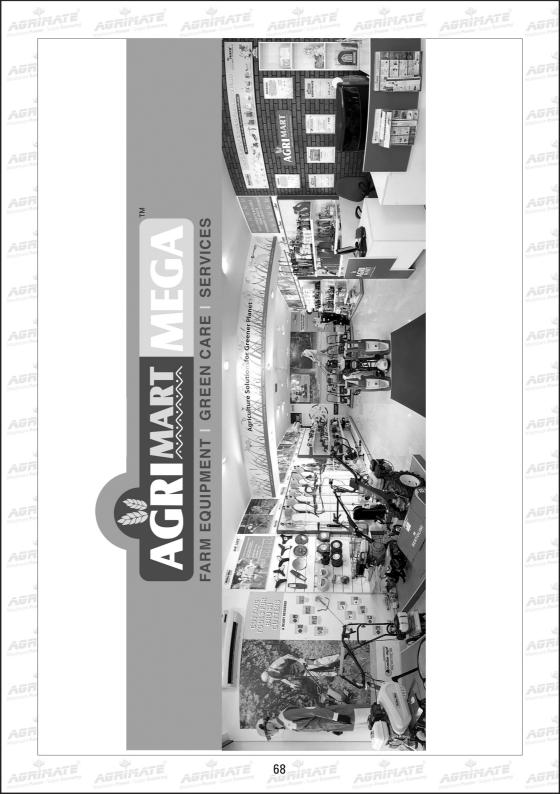
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num Power - Super Economy	Maximum Power - Super Economy Maximum Power - Super Economy Maximum Power - Super Economy	Maximum Power - Super Economy	Maximum Power - Super Economy	A Super Economy	Maximum Pow
To The Post	rathagin impex	ree Service Coupon	ISO 9001 CERTIFIED COM	2015 PANY	AUFI Maximum Pow
Jum Pov	Model    AM-MPT-1100-90-BRM   INTERCULTIVATOR/ POWER WEEDER   PDI Date   Service No.	(30 Days / 30 hrs (Which ex   Serial Number   Purchase bill no.	Date	ERVICE COUPON	AGR Maximum Pow
5 Day Pov	Dealer's Office Seal			FREE SERVIC	Maximum Pow
ium Pov	Dealer Signature			SANTY AND	AGRI Maximum Pow
num Pov	Customer Signature  Conditions: Operations listed have been performed to			WARRA	AGRI Maximum Pow
um Pov	ratnagiri impex	Free Service Coupon	ISO 9001 CERTIFIED COM	2015 2ANY	Maximum Pow
Jum Pov	FREE SERVICE COUF  Model   AM-MPT-1100-90-BRM   INTERCULTIVATOR/ POWER WEEDER   PDI Date Service No.	PON 60 Days/60 hrs (Which Serial Number  Purchase bill no.	ever is earlier)  Date	UPON	AGRI Maximum Pow
5 Pov	Dealer's Office Seal	Tutalise bir no.	Date	WARRANTY AND FREE SERVICE COUPON	Maximum Pow
5 Favoring Pov				AND FREE	Maximum Pow
5 Poy	Dealer Signature  Customer Signature  Conditions: Operations listed have been performed to		ur charges. Only consumables were charged	WARRANTY	Maximum Pow
g Fi	2cd	orticulture sericulture plantations for			AGR
S I I I I I I I I I I I I I I I I I I I	FREE SERVICE COUP  Model  [AM-MPF:1100-90-98RM]	ON 90 Days/120 hrs (Which Serial Number	ISO 9001 CERTIFIED COM ever is earlier)		AGRI Maximum Pow
G T T T T T T T T T T T T T T T T T T T	PDI Date Service No.	Purchase bill no.	Date	/ICE COUPO	AURI Maximum Pow
La Poy	Dealer's Office Seal			D FREE SERY	AGR. Maximum Pow
Day Pov	Dealer Signature			WARRANTY AND FREE SERVICE	Maximum Pow
uum Pov	Conditions: Operations listed have been performed to			WAR	AGRI Maximum Pow





- Always read the instruction manual supplied along with the equipments and understand the correct installation and operating procedures before attempting to use the equipments.
- It is important to use the personal protection equipments such as head helmet with visor, ear defenders, goggles, safety gloves, cut resistant shoes, trousers and jackets while operating potentially dangerous machines.
- Avoid untrained persons using the equipments. Children must not be allowed to handle these equipments.
- Always use genuine spares and accessories in repairs and usage to derive maximum life of the equipments.
- Always keep the equipments in good working condition to minimize loss of output as well as to reduce the pollution and save the environment.
- Do not use the machine within range of persons unless they wear protective clothing.
- Do not operate the machine when fatigued or under the influence of alcohol or drugs.
- For more guery kindly contact for our Service Center/Dealer/ franchise







Small and Timely Maintenance - Big Savings

# **MULTIPLY PROFITS**

# WITH OUR MULTI CROP, MULTI PURPOSE EQUIPMENTS







MANUAL **SPRAYER** 



PORTABLE **POWER SPRAYER** 



KNAPSACK **POWER SPRAYER** 



**TILLER** 



CHAFF **CUTTER** 



TEA PRUNER

FOGGER





ROTARY LAWN TILLER MOWER



HIGH PRESSURE WASHER



EARTH **AUGER** 



MOWER



**PRODUCTS** 



WEEDER

**RANGE OF PRODUCTS** 









**BRUSH CUTTER -**BACK PACK



**BRUSH CUTTER -**MULTI TOOL



POLE PRUNER



**BLOWER** BACK PACK







**BACK PACK** 



TILLER



**FOGGER** 



**EARTH** 



**RANGE OF PRODUCTS** 

#### OUR RETAIL FORMATS







IMPORTERS & MARKETED BY:

Ratnagiri Impex Pvt. Ltd.

Annapurna House, # 1/1G, 7th Cross New Guddadahalli, Mysore Road Bangalore - 560 026, India Ph: 080-26985100/1/2 Email: info@ratnagiriimpex.com



www.ratnagiriimpex.com





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