

IHI-SHIBAURA

TRACTOR



SE SERIES



A most advanced SHIBAURA farm machine for agriculture of the future

SE1300(2WD)	15PS
SE1340(4WD)	
SE1600(2WD)	17PS
SE1640(4WD)	
SE2200(2WD)	24PS
SE2240(4WD)	
SE2500(2WD)	27PS
SE2540(4WD)	
SE3000(2WD)	32PS
SE3040(4WD)	
SE4000(2WD)	43PS
SE4040(4WD)	



4-Wheel-
Provides
Wide Cho
High-Pow
Live Hydr
REAR and



Wide Choice of Working Speeds

SE Series have a powerful multiple speed transmission that provides 10 or 12 forward and 2 or 4 reverse. You can select the right combination of ground speed and engine rpm for just about any job.



High-Powered yet economical Engine

Strong IHI-SHIBAURA diesel engines combine power, durability and economy. Choose from six power size to match your needs. To get efficient fuel economy and easy starting, direct injection into sophisticated swirl chambers is adopted.

Drive
 Extra Pulling Power
 Extra Working Speeds
 erer yet economical Engine
 Front PTO Available

List of

Model
Type of Drive
Power Steering
Dual Clutch
Front End Weight (C)
Front Wheel Weight
Front Wheel Weight
Rear Wheel Weight
Creeping Speed De
Front P. T. O.
Vertical Muffler
Belly Mount Exhaust
Turf Tire
Wide Tire
Extension Drawbar
Swinging Drawbar
Linkage Drawbar
Draft Control
Aux. Control Valve
Safety Roll Bar
Cabin

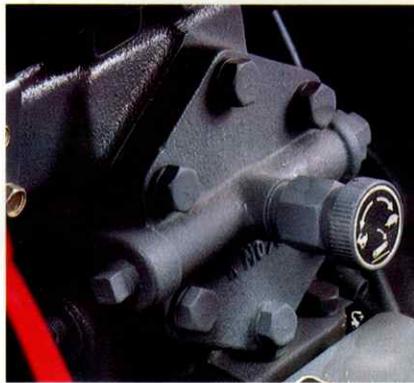


Safety Roll Bar and Cabin

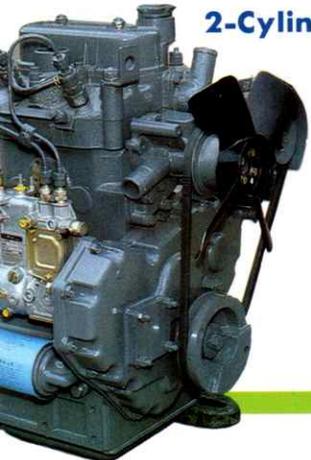
Safety roll bar and Cabin are available as optional. They assure safe and comfortable operation.

Live Hydraulics

Continuous operating pump furnishes hydraulic power on demand, whenever engine is running, to handle mounted implements with ease.



2-Cylinder



3-Cylinder



4-Cylinder



The Optionals

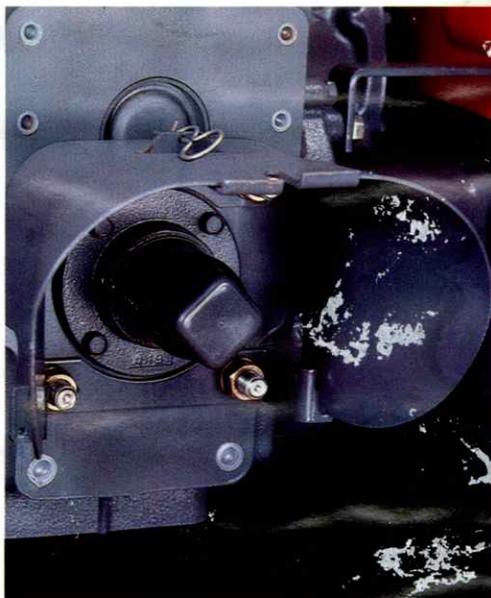
N.A. : Not Available ○ : Available as optional
 STD : Standard Specifications The parenthesized are for 4 wheel drive.

	SE1300 [SE1340]	SE1600 [SE1640]	SE2200 [SE2240]	SE2500 [SE2540]	SE3000 [SE3040]	SE4000 [SE4040]
	2 [4]	2 [4]	2 [4]	2 [4]	2 [4]	2 [4]
	N.A.	N.A.	N.A.	N.A.	N.A. (○)	N.A. (○)
	N.A.	N.A.	N.A.	N.A.	○	○
kg × pcs)	15 × 3	15 × 3	15 × 3	15 × 3 or 30 × 3	27.5 × 3	27.5 × 3
t (in)	N.A.	N.A.	N.A.	N.A.	N.A.	15 × 4 [NA]
t (out)	N.A.	N.A.	N.A.	30 × 2 [NA]	30 × 2 [NA]	30 × 2 [NA]
(kg × pcs)	20 × 4	30 × 4	30 × 4	30 × 4	30 × 4	30 × 10
vice (Ratio)	1/5.5	1/6.63	1/6.63	1/7.78	1/7.78	1/7.22
	○	○	○	○	○	N.A.
	○	STD	STD	STD	STD	STD
t	N.A.	○	○	○	○	○
Front	18 × 7.00-8 [23 × 8.5-12]	20 × 8.00-10 [NA]	20 × 8.00-10 [NA]	20 × 8.00-10 [NA]	20 × 8.00-10 [NA]	20 × 7.00
Rear	8-16	13.6 × 16 [NA]	13.6 × 16 [NA]	13.6 × 16 [NA]	13.6 × 16 [NA]	13.6 × 28
Front	4.00-12 [6-12]	4.00-15 [6-14]	4.00-15 [NA]	N.A. [7-16]	7-16	N.A.
Rear	8-16	9.5-24	9.5-24 [NA]	N.A. [11.2-24]	12.4-24	14.9-24
	N.A.	N.A.	N.A.	○	○	○
	N.A.	○	○	○	○	○
	○	○	○	○	○	○
	N.A.	N.A.	○	○	○	STD
	○	○	○	○	○	○
	N.A.	○	○	○	○	○
	N.A.	N.A.	N.A.	N.A.	○	○

*On SE4000 and SE4040, Dual clutch is only available in the combination with creeping speed device.

REAR and Front PTO

Multiple-speed range on SE Series tractor gives wider and most suitable application for various PTO-powered implements and stationary equipments. Front PTO is also available as optional, enlarging further applications of work.



Dual Clutch

PTO power transmission independent from traction power. You have the tractor stopped keeping alive the PTO driven implements like Potato harvester, Manure sprader, etc.



Power Steering

4 wheel drive on bigger tractors sometimes causes difficulty for steering. SE3040 and SE4040 have hydraulic assisted steering as optional and give easy, safe and efficient control.



Creeping Speed

On all SE Series creeping speed is available as optional, adding to already wide-ranged traction speeds, another creeping speeds most suitable for ditching, snow shoveling, etc.



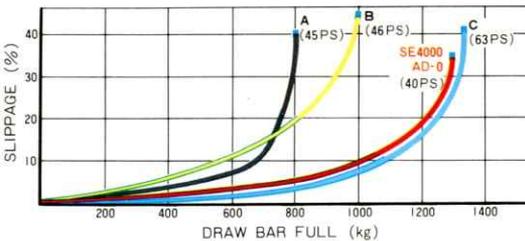
4-Wheel-Drive Provides Extra Pulling Power



SE1340	15PS
SE1640	17PS
SE2240	24PS
SE2540	27PS
SE3040	32PS
SE4040	43PS



COMPARISON DATA OF DRAW BAR PERFORMANCE



Traction force is bigger 50% over than 2-Wheel driven

With 2 wheel driven tractor, front wheels once stuck up tends to change traction power of rear wheels to downward torque to sink in muddy ground like wet paddy fields.

4 wheel driven tractor makes maximum of its machine weight to increase the traction force totally to the forward direction.



Strong and tough in Soft grounds

Driving force is shared by 4 wheels therefore the wheels are not caught in ground. Even if any wheel is stuck, the tractor can get out with other driving wheels. The tractor's own weight is divided evenly on 4 wheels preventing the front wheels being raised.



Easy steering on rough roads

The driving front wheels eliminate side skid, allowing free running on rough roads.



Strong on rising hills and safe on down hills

Excellent climbing performance when getting down a long slope tracting a trailer etc., engine brake is effected with 4 wheels, ensuring safe operation.

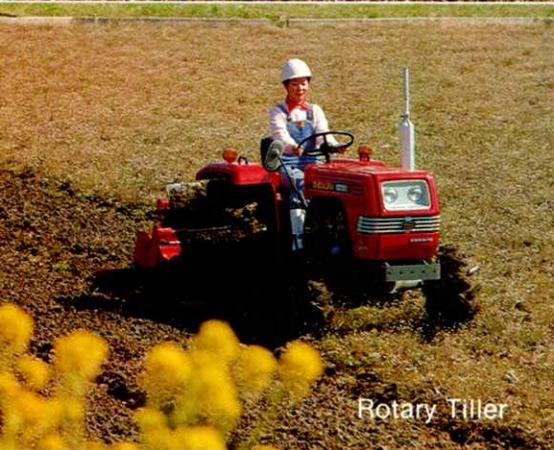


Excellent running performance in wet paddy field

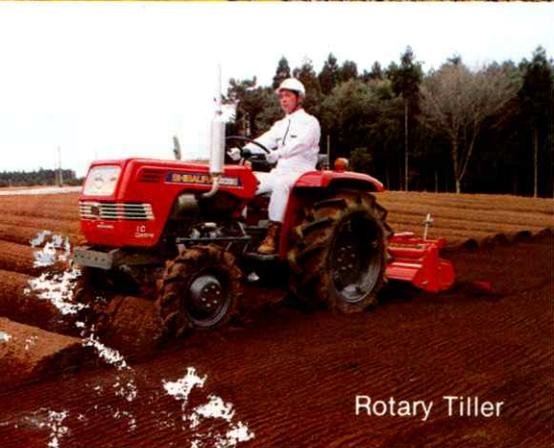
Owing to the good weight distribution, operators can work with a safe conscience free from deviation of wheels when tilling side by side and free from side skid.

IDEAL FOR LARGE SCALE FARMING

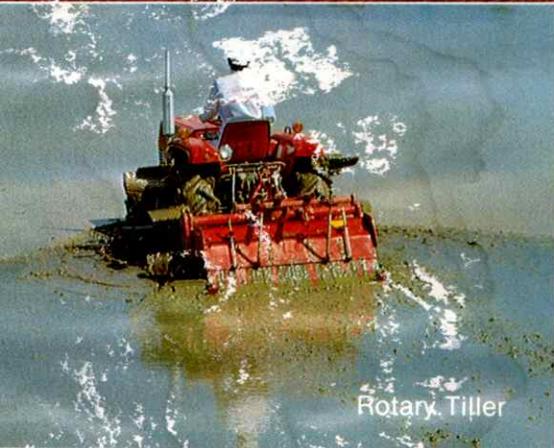
IHI-SHIBAURA offer a wide range of implements that match the size, power and operating features of each SE series Tractor.



Rotary Tiller



Rotary Tiller



Rotary Tiller



Plow



Manure Spreader



Slurry Injector





Forage Chopper



Rake



Pick Up Wagon



Rotary Seeder



Rotary Tiller



Rotary Trencher



2-row furrowing and Multing



Pan Breaker



Front Loader



High Row Multing



Rooter

SHIBAURA TRACTOR SE SERIES

Specifications

Model		SE1340 (SE1300)	SE1640 (SE1600)	SE2240 (SE2200)	SE2540 (SE2500)	SE3040 (SE3000)	SE4040 (SE4000)	
Drive		4 Wheel Drive (2WD)	4 Wheel Drive (2WD)	4 Wheel Drive (2WD)	4 Wheel Drive (2WD)	4 Wheel Drive (2WD)	4 Wheel Drive (2WD)	
Dimensions	Overall length (mm)	2,410	2,682	2,800	2,825	3,020	3,340	
	Overall Width (mm)	1,070	1,270	1,290	1,505	1,580	1,520	
	Overall Height (mm)	1,230	1,825	1,910	1,915 (1,945)	1,960 (1,950)	1,925 (1,890)	
	Wheel Base (mm)	1,220	1,440	1,505 (1,530)	1,505 (1,530)	1,630 (1,600)	1,875 (1,810)	
	Tread	Front (mm)	880 (770-1,040,6st)	1,010 (980-1,250,6st)	1,010 (980-1,250,6st)	1,130 (1,105-1,460,8st)	1,130 (1,105-1,460,8st)	1,190 (1,130-1,385,6st)
		Rear (mm)	900-1,164 (6 stage)	1,046-1,322 (6 stage)	1,046-1,322 (6 stage)	1,100-1,490 (8 stage)	1,160-1,550 (8 stage)	1,200-1,500 (6 stage)
	Min. Ground Clearance (mm)	246	300 (330)	320 (350)	320 (365)	350 (385)	385 (395)	
	Min. Turning Radius	W/O Brake (mm)	2,300 (2,000)	2,800 (2,400)	2,900 (2,500)	2,700 (2,500)	2,900 (2,600)	3,600 (2,900)
		W/Brake (mm)	2,000 (1,900)	2,300 (2,200)	2,500 (2,300)	2,400 (2,300)	2,500 (2,400)	2,940 (2,700)
	Model		LEK752C	LEK802D	LET852C	LE892	LEM853	LEP854A
Type		4-cycle water-cooled vertical diesel engine						
No. of Cylinder (Bore x Stroke)		2 (75 x 80)	2 (80 x 80)	2 (85 x 100)	2 (90 x 100)	3 (85 x 84)	4 (85 x 94)	
Compression Ratio		23:1	23:1	21:1	21:1	21:1	22:1	
Total Displacement (cc)		706	804	1,134	1,272	1,429	2,133	
Output (ps/rpm)		13/2,600	16/2,700	22/2,500	25/2,500	30/2,800	40/2,500	
Max bare out put : ps		15	17	24	27	32	43	
Clutch		Dry Single-disc	Dry Single-disc	Dry Single-disc	Dry Single-disc	Dry Single-disc	Dry Single-disc	
Transmission		Selective gear system	Selective gear system	Selective gear system	Selective gear system	Selective gear system	Selective gear system	
Braking System		Internal Expansion Mechanical Type						
Differential Lock		Standard	Standard	Standard	Standard	Standard	Standard	
Tire	Front	5-12 (4.00-12)	6-14 (4.00-12)	6-14 (4.00-12)	6.00-16 (5.00-15)	6.00-16 (5.00-15)	7-20 (6.00-16)	
	Rear	7-16	8.3-24	9.5-24	11.2-24	12.4-24	12.4/11-28	
Weight (kg)		560 (509)	925 (805)	1,000 (920)	1,140 (1,055)	1,270 (1,165)	1,565 (1,445)	
Shaft Size		1-3/8 in or 35 φ 6 teeth splines						
Direction of Revolution		Clockwise	Clockwise	Clockwise	Clockwise	Clockwise	Clockwise	
Speeds (rpm/Engine rpm)		539-805-1258 (at/2,500rpm)	566-719-929-1411 (at/2,700rpm)	525-666-860-1307 (at/2,500rpm)	525-674-856-1330 (at/2,500rpm)	588-747-984-1490 (at/2,800rpm)	546-701-1042-1320 (at/2,500rpm)	
Control System		Hyd. Position Control	Hyd. Position Control	Hyd. Position Control	Hyd. Position Control	Hyd. Position Control	Position & Draft Control	
Max. Lifting Capacity (kg)		400	650	650	1,730	1,730	1,640	
Hydraulic Pump		Gear Pump	Gear Pump	Gear Pump	Gear Pump	Gear Pump	Gear Pump	
Fuel Tank (ℓ)		14.0	22.0	22.0	22.0	30.0	35.0	
Engine Oil (ℓ)		3.0	4.0	4.0	5.0	6.0	7.0	
Coolant (ℓ)		3.0	4.0	5.3	5.3	6.0	9.0	
Alternator (V.A)		12V, 20A	12V, 20A	12V, 20A	12V, 20A	12V, 20A	12V, 20A	
Battery (V.AH)		12V, 65AH	12V, 70AH	12V, 70AH	12V, 70AH	12V, 100AH	12V, 100AH	
3-point linkage		Standard	Standard	Standard	Standard	Standard	Standard	
Linkage Type		Category I	Category I	Category I	Category I	Category I	Category I	
Speeds	Forward (km/h)	1-10th 0.96-13.91	1-12th 1.11-18.60	1-12th 1.10-18.29	1-12th 1.15-19.85	1-12th 1.24-21.58	1-12th 1.30-21.78	
	Reverse	1-2nd 1.68-7.63	1-4th 1.27-12.96	1-4th 1.25-12.74	1-4th 1.35-13.84	1-4th 1.44-14.83	1-4th 1.53-16.19	
	Creeping Speed	Optional	Optional	Optional	Optional	Optional	Optional	
	Forward	1-5th 0.18-0.56	1-12th 0.17-2.81	1-12th 0.17-2.76	1-12th 0.15-2.55	1-12th 0.16-2.77	1-12th 0.18-2.92	
	Reverse	1st 0.31	1-4th 0.19-1.95	1-4th 0.19-1.92	1-4th 0.17-1.73	1-4th 0.19-1.91	1-4th 0.21-2.17	

These specifications are subject to change without notice.



Ishikawajima-Shibaura Machinery Co., Ltd.

Head Office: Seiwa Bldg., Nishishinjuku 1-6-8
Shinjuku-ku Tokyo JAPAN
Telephone: 343-3151
Telex: 232-2128, 232-2254,
Cable Address:
IHISHIBAURA TOKYO

Catalogue No. **1413**

S54.5
Printed in Japan