

SHIBAUURA

COMPACT TRACTOR

ST318

ST321

ST324

ST329

ST333



SHIBAUURA

SHIBAURA BRAND-NEW ST SERIES SOMETHING YOU CAN NOT LEAVE BEHIND

SHIBAURA COMPACT DIESEL ENGINE -THE ONE YOU CAN TRUST

Environment-Friendly

The Shibauro diesel engine featured on the ST series tractor is really environment-friendly. It meets the U.S. EPA Tier II which is recognized as one of the highest emission criteria in the world at present. Besides, the engine design also obeys the EPA's Stage 2 emission regulation and controls. In order to strictly approving emission control regulations, Shibauro will design its diesel engine to achieve better combustion efficiency, emission and low fuel consumption.

Low Noise and Low Vibration

The Shibauro diesel engine makes low noise and low vibration in the whole engine operation range.

The engine has proper apollo of the cylinder block and gear case cover which helps reducing its mechanical and combustion noise.

Compact and Light-Weight

Applying Finite Element Method (FEM) structural analysis, Shibauro designs its diesel engine to be compact and light-weight on the basis of the appropriate balance of rigidity, strength, and weight.

Easy Maintenance

The Shibauro diesel engine is sized when it covers easy maintenance.

On one side of the engine, you can check the oil level, replace the oil filter and complete some other necessary maintenance.



ELEGANT & SLEEK APPEARANCE

- Sleek and round shape body with Shibauro red color

EASY & PLEASANT OPERATION

- Simple and well-organized instrument panel
- Levers easily located on leathers
- Horizontal moving accelerator lever
- Pully Push (PUSH-AND) switch lever
- Power-assisted steering
- Hydraulic Transmission for HST Model only
- Electronic-lever control for HST Model only

Being substituted for the long-seller Shibauro S-series compact tractors, the brand-new value-conscious ST series is now arriving at field, impressing you with the sophisticated design and state-of-the-art technology.



POWERFUL & VERSATILE PERFORMANCE

- Four-wheel Drive
- Efficient Diesel Engine
- Category 1 three-point hitch
- Single-chockle acting remote valve (Option)
- Hydraulic outlet on the right hand side of the tractor
- Electro-lift PTO (Option)
- Max. Ground-clearing capacity 340 mm with discharge at 45°/45°



340 mm Ground Clearance

EXCELLENT ACCESSIBILITY & MAINTENANCE

- Flip-up bonnet & side guard
- Easy radiator screen removal
- Dual air filtration elements

ULTIMATE SAFETY

- Safety lock feature preventing you to put the engine started only with the PTO & SPEED lever in neutral
- Two-point ROPS SEATBELT

CLEAR VIEW FROM OPERATOR'S SEAT

- The obstruction shield from operator's position with the rubber fender blocks the bonnet.



SPECIFICATIONS

TRACTOR MODEL		ST318		ST321		ST324	
Drive		4WD		4WD		4WD	
Transmission type		MECH	HST	MECH	HST	MECH	HST
Engine (Diesel)							
Model		S753		S773		S773L	
Engine gross power *1		hp (kW)	18.5 (13.8)	21 (15.7)	24 (17.9)		
No. of cylinders		3		3		3	
Total displacement		cc (cu.in.)	954 (58.2)	1,005 (61.3)	1,131 (69.0)		
Rated speed		rpm	2,600	2,600	2,600		
Battery		V-A	12-36	12-36	12-36		
Alternator		A	40	40	40		
Fuel tank capacity		litre (US gal.)	20 (5.3)	20 (5.3)	20 (5.3)		
PTO							
Type		Trans. w/ one way clutch	Live	Trans. w/ one way clutch	Live	Trans. w/ one way clutch	Live
Rear PTO power *1		hp (kW)	15 (11.2)	14 (10.4)	17 (12.7)	16 (11.9)	19 (14.1)
Rear PTO rated speed (@ 2,600rpm Engine Rated Speed)		rpm	566	561	588	561	566
Mid PTO rated speed (@ 2,600rpm Engine Rated Speed)		rpm	Opt. (2,139)	2,040	Opt. (2,139)	2,040	Opt. (2,139)
Hydraulic							
Lift control type: Position		Standard		Standard		Standard	
Max. Lifting Capacity		kg (lb.)	669 (1,474)	669 (1,474)	669 (1,474)		
Draft		NA		NA		NA	
3-point hitch, Category -1		Fixed Drawbar	Standard	Standard	Standard		
Traveling System							
Steering		Power Steering		Power Steering		Power Steering	
Brake		Wet Disk		Wet Disk		Wet Disk	
Clutch		Dry, Single		Dry, Single		Dry, Single	
Standard Tire Size							
Agricultural	Front	5-12		6-12		6-12	
	Rear	8-16		9.5-16		9.5-16	
Turf	Front	20x8.00-10		20x8.00-10		20x8.00-10	
	Rear	29x12.00-15		29x12.00-15		29x12.00-15	
Traveling Speed-Speed Range (at rated engine speed)							
Forward		9	High & Low (2-range)	9	High & Low (2-range)	9	High & Low (2-range)
First	km/h (mph)	1.08 (0.67)	0~5.78 (0~3.61)	1.15 (0.72)	0~5.78 (0~3.61)	1.13 (0.71)	0~5.78 (0~3.61)
Second	km/h (mph)	1.79 (1.12)	0~14.86 (0~9.26)	1.91 (1.19)	0~14.86 (0~9.29)	1.89 (1.17)	0~14.86 (0~9.29)
Third	km/h (mph)	2.40 (1.50)	—	2.56 (1.60)	—	2.53 (1.57)	—
Fourth	km/h (mph)	2.57 (1.61)	—	2.74 (1.71)	—	2.85 (1.77)	—
Fifth	km/h (mph)	4.26 (2.67)	—	4.54 (2.84)	—	4.74 (2.94)	—
Sixth	km/h (mph)	5.72 (3.58)	—	6.10 (3.81)	—	6.36 (3.95)	—
Seventh	km/h (mph)	6.72 (4.20)	—	7.16 (4.48)	—	7.16 (4.48)	—
Eighth	km/h (mph)	11.15 (6.97)	—	11.89 (7.43)	—	11.89 (7.43)	—
Ninth	km/h (mph)	14.96 (9.35)	—	15.95 (9.97)	—	15.95 (9.97)	—
Reverse		3	High & Low (2-range)	3	High & Low (2-range)	3	High & Low (2-range)
First	km/h (mph)	1.99 (1.23)	0~3.85 (0~2.40)	2.13 (1.33)	0~4.08 (0~2.55)	2.11 (1.31)	0~4.06 (0~2.55)
Second	km/h (mph)	4.77 (2.98)	0~9.91 (0~6.19)	5.08 (3.18)	0~10.50 (0~6.56)	5.30 (3.29)	0~10.50 (0~6.56)
Third	km/h (mph)	12.47 (7.79)	—	13.29 (8.25)	—	13.29 (8.25)	—
Dimensions							
Overall length (w/3P)		mm (in.)	2,728 (107.4)	2,728 (107.4)	2,728 (107.4)		
Overall width (Std. tread, w/Ag. tires)		mm (in.)	1,042 (41.0)	1,138 (44.8)	1,138 (44.8)		
Overall height (w/Ag. tires & ROPS)		mm (in.)	2,262 (89.1)	2,287 (90.0)	2,287 (90.0)		
Wheelbase		mm (in.)	1,405 (55.3)	1,405 (55.3)	1,405 (55.3)		
Min. ground clearance (w/Ag. tires, Drawbar)		mm (in.)	245 (9.6)	270 (10.6)	270 (10.6)		
Tread	Front (w/Ag. tires, Std.)	mm (in.)	822 (32.4)	848 (33.4)	848 (33.4)		
	Rear (w/Ag. tires, Std.)	mm (in.)	851 (33.5)	897 (35.3)	897 (35.3)		
Weight (w/Ag. tires & ROPS)		kg (lb.)	742 (1,636)	754 (1,662)	744 (1,640)	756 (1,666)	750 (1,653)

*1 Manufacturer's estimation

The above specifications are subject to change without notice

SPECIFICATIONS

TRACTOR MODEL		ST329		ST333	
Drive		4WD		4WD	
Transmission type		MECH	HST	MECH	HST
Engine (Diesel)					
Model		J643		N643	
Engine gross power *1	hp(kW)	29.0(21.6)		33.0(24.6)	
No. of cylinders		3		3	
Total displacement	cc(cu.in.)	1,330(81.2)		1,496(91.3)	
Rated speed		2,800		2,800	
Battery		V-A 12-55		12-55	
Alternator		A 40		40	
Fuel tank capacity	litre (US gal.)	30(7.9)		30(7.9)	

PTO

Type	Trans.w/one way clutch	Live	Trans.w/one way clutch	Live	
Rear PTO power *1	hp(kW)	25.1(18.7)	23.6(17.6)	28.8(21.3)	26.9(20.1)
Rear PTO rated speed(@ 2,800rpm Engine Rated Speed)	rpm	625	613	625	613
Mid PTO rated speed(@ 2,800rpm Engine Rated Speed)	rpm	Opt. (2,356)	2,314	Opt. (2,356)	2,314

Hydraulic

Lift control type: Position		Standard		Standard	
Max. Lifting Capacity	kg(lb.)	873(1921)		873(1921)	
Draft		Option		Option	
3-point hitch, Category-1	Swinging Drawbar	Standard		Standard	

Traveling System

Steering		Power Steering		Power Steering	
Brake		Wet Disk		Wet Disk	
Clutch		Dry, Single		Dry, Single	

Standard Tire Size

Agricultural	Front	6-14		7-14	
	Rear	9.5-24		11.2-24	
Turf	Front	25×8.50-14		25×8.50-14	
	Rear	13.6-16		13.6-16	

Traveling Speed - Speed Range (at rated engine speed)

Forward		g	High/Middle/Low(3-range)	g	High/Middle/Low(3-range)
First	km/h(mph)	1.25(0.78)	0~5.34(0~3.32)	1.30(0.81)	0~5.59(0~3.48)
Second	km/h(mph)	1.84(1.15)	0~12.48(0~7.76)	1.94(1.20)	0~13.07(0~8.13)
Third	km/h(mph)	2.65(1.65)	0~24.04(0~14.94)	2.78(1.72)	0~25.18(0~15.65)
Fourth	km/h(mph)	3.95(2.45)	—	4.14(2.58)	—
Fifth	km/h(mph)	5.83(3.62)	—	6.11(3.80)	—
Sixth	km/h(mph)	8.39(5.21)	—	8.78(5.44)	—
Seventh	km/h(mph)	10.11(6.28)	—	10.58(6.58)	—
Eighth	km/h(mph)	14.93(9.28)	—	15.65(9.72)	—
Ninth	km/h(mph)	22.00(13.67)	—	23.04(14.32)	—
Reverse		g	High/Middle/Low(3-range)	g	High/Middle/Low(3-range)
First	km/h(mph)	1.84(1.15)	0~3.74(0~2.32)	1.94(1.20)	0~3.92(0~2.48)
Second	km/h(mph)	5.83(3.62)	0~8.74(0~5.44)	6.11(3.80)	0~9.15(0~5.70)
Third	km/h(mph)	14.93(9.28)	0~16.82(0~10.46)	15.65(9.72)	0~17.63(0~10.96)

Dimensions

Overall length (w/3P)		mm(in.)	2630(111.4)	2630(111.4)
Overall width (Std. tread, w/Ag tires)		mm(in.)	1400(55.1)	1400(55.1)
Overall height (w/Ag. tires & ROPS)		mm(in.)	2460(96.9)	2460(96.9)
Wheelbase		mm(in.)	1600(63.0)	1600(63.0)
Min. ground clearance (w/Ag. tires, Drawbar)		mm(in.)	285(11.2)	300(11.8)
Tread	Front (w/Ag. tires, Std.)	mm(in.)	1100(43.3)	1100(43.3)
	Rear (w/Ag. tires, Std.)	mm(in.)	1115(43.9)	1115(43.9)
Weight (w/Ag. tires & ROPS)		kg(lb.)	1085(2392)	1075(2370)
			1100(2425)	1090(2403)

*1 Manufacturer's estimation

Specifications subject to change without notice



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