

REGULATIONS

MECHANICAL SERIES

- Tractors** : Bharat Trem III A, EU Stage 3A, Tier 4I
- Industrial** : Bharat Stage III CEV norms
- Genset** : CPCB II norms
- Marine** : IRS approval for selective models

COMMON RAIL SERIES

- Tractors** : Bharat Trem IV, Tier 4F, EU Stage 3B, upgradable to EU Stage 5
- Industrial** : Bharat Stage IV CEV, upgradable to EU Stage 5
- Genset** : CPCB III norms capable

Fuel Efficient

Cost Effective

User Friendly

Environment Friendly

Easy Maintenance

SIMPSONS
Preferred Choice of Customers

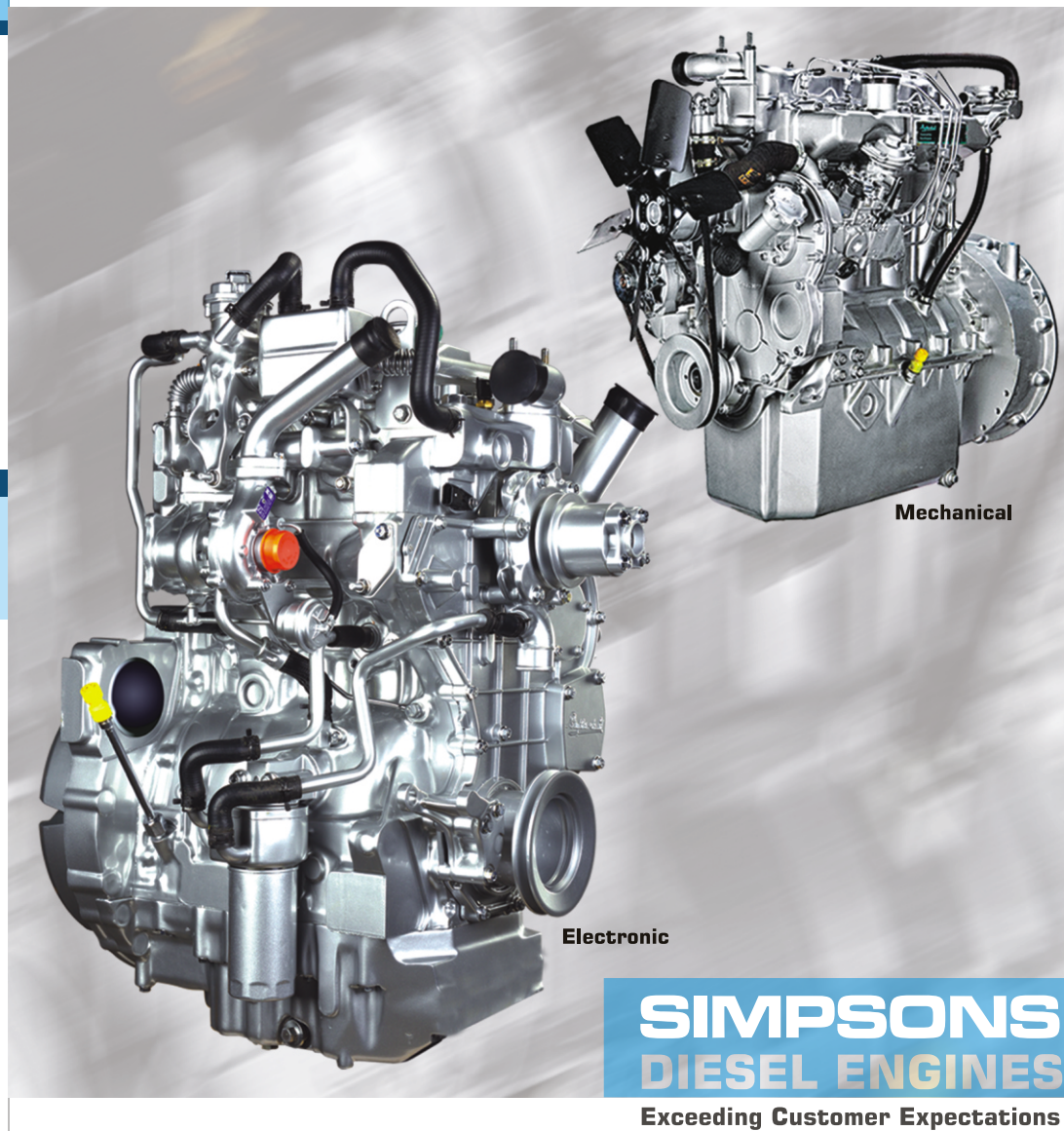


(A member of the Amalgamations Group)

Head Office :
861/862, Anna Salai, Chennai - 600 002. INDIA.
Ph. : 28584918 Fax : 28514446
E-mail : marketing@simpson.co.in
Web : www.simpsons.in

Regional Offices :
MUMBAI - Ph. : 23610481
KOLKATA - Ph. : 24639860
NEW DELHI - Ph. : 23318342

Branches :
BANGALORE - Ph. : 25581195
HYDERABAD - Ph. : 27532897
OOTACAMUND - Ph. : 22442223
TIRUCHIRAPALLI - Ph. : 2410106
VISAKHAPATNAM - Ph. : 2761632



MODEL		MECHANICAL SERIES									COMMON RAIL SERIES		
		SC108	SC213	SC213TAA	S217	S325	TSJ327	S433	TSJ436	ST440	SJ327TCR	SJV326	SJ436 TCR
Capacity	Max Rating	12.6 kW (17 PS @ 2800 rpm)	18.6 kW (25 bhp @ 2500 rpm)	26.1 kW (35 bhp @ 2500 rpm)	17.8 kW (24 bhp @ 2000 rpm)	35 kW (47 bhp @ 2250 rpm)	42.6 kW (58 PS @ 2200 rpm)	35.7 kW (48 bhp @ 2200 rpm)	58.8 kW (80 PS @ 2200 rpm)	74.9 kW (100.5 bhp @ 2200 rpm)	60 PS @ 2000 rpm	74 PS @ 2000 rpm	74 PS @ 2000 rpm
	Intermittent Rating		14.9 kW (20 bhp @ 2000 rpm)	23.1 kW (31 bhp @ 2800 rpm)	16.4 kW (22 bhp @ 1800 rpm)	31.3 kW (42 bhp @ 2000 rpm)	33.5 kW (45 bhp @ 1800 rpm)	33.5 kW (45 bhp @ 1800 rpm)	54.7 kW (74.5 PS @ 2200 rpm)	66.3 kW (89 bhp @ 2200 rpm)	40, 45, 50 & 55 PS @ 2000 rpm	45, 55 & 65 PS @ 2000 rpm	65 PS @ 2000 rpm
	Constant Speed	6 kW (8 PS @ 1500 rpm)	11 kW (16 PS @ 1500 rpm)	17.1 kW (23 bhp @ 1500 rpm)	14.9 kW (20 bhp @ 1500 rpm)	23.4 kW (31.5 bhp @ 1500 rpm)	28.7 kW (38.5 bhp @ 1800 rpm)	30.9 kW (41.5 bhp @ 1500 rpm)	49.9 kW (67 bhp @ 1500 rpm)	58.1 kW (79 PS @ 1500 rpm)	50 PS @ 1500 rpm	-	70 PS @ 1500 rpm
Type / Configuration		Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line	Vertical In-line
Bore		100 mm	95 mm	95 mm	91.44 mm	91.44 mm	95 mm	91.44 mm	95 mm	100 mm	95 mm	93 mm	95 mm
Stroke		95 mm	91 mm	91 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm
No. of Cylinder		1	2	2	2	3	3	4	4	4	3	3	4
Displacement		725 cc	1290 cc	1290 cc	1670 cc	2500 cc	2700 cc	3330 cc	3600 cc	4000 cc	2700 cc	2600 cc	3600 cc
Compression Ratio		17.5	18:1	18:1	18.5:1	18.5:1	18.8:1	18.5:1	18.3:1	16.5:1	18.3:1	17:1	18.3:1
Cycle		4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke	4 stroke
Rotation		Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)	Clockwise (Viewed from front)
Aspiration		NA	NA	TCIC	NA	NA	TC / TCIC	NA	TC / TCIC	TC	TCIC	TCIC	TCIC
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Fuel Pump		Bosch	In-line	In-line	In-line	In-line / VE - Rotary	VE - Rotary	In-line	VE - Rotary	VE - Rotary / In-line	Common Rail (Bosch)	Common Rail (Bosch)	Common Rail (Bosch)
Governing		Electronic / Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Electronic	Electronic
Engine Starting System		Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
Cooling System		Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Electrical System		12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts	12 Volts
Flywheel Housing		-	SAE 4	SAE 4	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3	SAE 1 or SAE 3
Flywheel		Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application	Can be made to suit application
Mass Emission	Tractor	Approval in Process for Trem IIIA	Trem IIIA	Trem IIIA	Trem IIIA	Trem IIIA	Trem IIIA	-	TREM IIIA	Non Emission	Trem IV CAPABLE	Trem IV CAPABLE	TREM IV CAPABLE
	Industrial	-	BS III (CEV)	BS III (CEV)	BS III (CEV)	BS III (CEV)	BS III (CEV)	BS III (CEV)	BS III (CEV)	Non Emission	BS IV (CEV) CAPABLE	BS IV (CEV) CAPABLE	BS IV (CEV) CAPABLE
	Global	-	TIER 4 F EU STAGE IIIB	TIER 4 INT EU STAGE IIIA	EPA Tier 4 INT for Constant Speed	EPA TIER 4 INT / EU STAGE IIIA for Constant Speed	TIER 4 INT EU STAGE IIIA	EU STAGE IIIA for Constant Speed	TIER 4 INT EU STAGE IIIA	EU Stage II	TIER 4F / EU Stage IIIB	TIER 4F / EU Stage IIIB	TIER 4F / EU Stage IIIB
Weight (*Bare Engine)		75 kg*	165 kg*	170 kg*	200 kg*	210 kg*	215 kg*	230 kg*	270 kg*	279 kg*	300 kg*	325 kg*	350 kg*
Length x Width x Height (*Bare Engine)		450 x 350 x 750 mm*	512 x 552 x 663 mm*	495 x 475 x 685 mm*	489 x 536 x 756 mm*	585 x 560 x 760 mm*	575 x 580 x 805 mm*	665 x 485 x 730 mm*	696 x 539 x 797 mm*	711 x 614 x 767 mm*	681 x 595 x 881 mm*	702 x 625 x 875 mm*	924 x 595 x 895 mm*
					*(without Fan, Flywheel, Flywheel Housing, Starter Motor)								

