

# FACTORY 2021

EN

DATA SHEET	2 STROKE			4 STROKE			
	125 SE	250 SE	300 SE	250 SEF	300 SEF	450 SEF	500 SEF
Engine	2 stroke single cylinder with electronically controlled valves and booster			4 stroke DOHC, 4 valve SHERCO technology			
Displacement	124.81cc (15.21 cu in)	249.32cc (15.21 cu in)	293.14cc (17.89 cu in)	248.43cc (15.16 cu in)	303.68cc (18.53 cu in)	449.40cc (27.42 cu in)	478.22cc (29.18 cu in)
Bore and stroke	54 x 54.50 mm (2.61 x 2.83 in)	66.40 x 72 mm (2.61 x 2.83 in)	72 x 72 mm (2.83 x 2.83)	78 x 52.20 mm (3 x 2.16 in)	84 x 54.80 mm (3,31 x 2.16 in)	95 x 63.40mm (3.74 x 2.50 in)	98 x 63.40 mm (3.86 x 2.50 in)
Carburator	Keihin PWK 36			Synerject digital electronic fuel injection			
Cooling	Liquid system with forced circulation						
Starting	Electric starter						
Battery	Shido LTZ5S Lithium						
Exhaust	Chromed-steel exhaust. Aluminum silencer	FMF		Full Akrapovic exhaust			
Transmission	6 speed sequential gearbox, primary gears and chain secondary						
Clutch	Hydraulic, multidisc in oil bath						
Ignition	A DC - CDI ignition with digital advance 220 W alternator			Alternator 220 W			
Chassis	High strength Chrome-Molybdenum steel semi-perimeter						
Fuel tank	10,4 L capacity (2.75 US gal)			9,7 L capacity (2.56 US gal)			
Brakes	Brembo hydraulic, Ø 260 mm (10.24 in) front - Ø 220 mm (8.66 in) rear						
Front suspension	KYB fork with hydraulic adjustment and specific spring calibration for each model. Ø 48 mm tubes - 300 mm travel						
Rear suspension	KYB shock absorber 50 with hydraulic adjustment and specific spring calibration for each model. Ø 18 mm - 330 mm						
Front wheel	1.60 x 21" black Excel rim with Michelin Enduro Medium						
Rear wheel	2.15 x 18" black Excel rim with Michelin Enduro Medium						
Wheelbase	1465 mm	1480 mm (58.27 in)		1480 mm (58.27 in)		1490 mm (58.66 in)	
Ground clearance	355 mm (13.98 in)						
Seat base	950 mm (37.40 in)						



**SHERCO**