

Adjustment Process→					1.initial setting			2	3	4		5	6	7	Engine			
Model	DSPL (cm ³)	Carburettor type		Spare parts No.	Limiter cap/plug		H mixture needle	L mixture needle	Idle adjust screw	Adjust L mix. Needle to idle Max speed	Set Idle speed with idle adjust screw (r/m)	Adjust L mix. Needle to set idle speed (r/m)	Idle rich down (r/m)	Confirm WOT speed drops as turning H mix. needle ACW (r/m)	Adjust H mix. Needle to set WOT speed (r/m)	WOT rich down (r/m)	Cylinder compression Mpa (kg/cm ²) (psi)	Max Power [kW]
					H	L												
269TCS 269TS	26.9	Butterfly throttle (Cubic)	WT-909	A021-001600	P003-000010	P003-000010	1 7/8	1 5/8	2 1/8	MAX	4400	3350 2800 - 3600	1050	11000	11500 - 12500	-	0.85(8.7)(124)	0.9
285S/EC1	28.5	Butterfly throttle (Cubic)	WT-787	A021-002770	Large D	Large D	2 3/8	2 7/8	3	MAX	4000	3000 2800 - 3200	1000	12000	12500 - 13500	-		1.0
305S	30.5	Butterfly throttle (Cubic)	WT-946	A021-001700	P003-000010	P003-000010	2 1/4	2 1/2	7/8	MAX	3700	3200 2800 - 3600	500	12500	12000 - 13000	-	0.88(9.0)(128)	1.1
320TS	32.3	Butterfly throttle (Cubic)	WT-698B	A021-000863	P003-000010	P003-000010	2 7/8	2 3/4	1	MAX	4200	3200 3100 - 3500	1000	12000	12500 - 13500	-		1.4
352S/EC1	35.2	Butterfly throttle (Cubic)	WT-789	A021-002780	Large D	Large D	2 7/8	2 3/4	3 1/8	MAX	4200	3000 2800 - 3200	1200	12000	12500 - 13500	-		1.4
363S	36.3	Butterfly throttle (Cubic)	WT-980	A021-001900	Large D	Large D	2 1/2	1 1/2	2 3/8	MAX	3500	2600 2400 - 2900	900	11000	11500 - 12500	-	1.02(10.4)(148)	1.4
389S/EC1	38.9	Butterfly throttle (Cubic)	WT-766	A021-003050	Large D	Large D	2	2 1/2	3 2/8	MAX	4500	3000 2800 - 3200	1500	12000	13000 - 14000	-		1.7
402S	40.2	Butterfly throttle (Cubic)	WT-980	A021-001900	Large D	Large D	2 3/4	1 3/8	1 3/8	MAX	3500	2600 2400 - 2900	900	11000	11500 - 12200	-	0.88(8.9)(127)	1.7
452GS/EC1 452S/EC1	45.1	Butterfly throttle (Cubic)	WT-864	A021-003040	Large D	Large D	2 1/4	2 5/8	3 1/2	MAX	4300	2800 2600 - 3000	1500	12500	13000 - 13500	-	1.01(10.3)(147)	2.3
488/EC1	47.9	Butterfly throttle (Cubic)	HDA-226	A021-003070	Large D	Large D	1 7/8	2 3/8	5	MAX	3800	2800 2600 - 3000	1000	11000	12000 - 12700	-	1.14(11.7)(166)	2.3
490/EC1	47.9	Butterfly throttle (Cubic)	HDA-229	A021-003080	Large D	Large D	2 3/8	2	3 1/2	MAX	3800	2800 2600 - 3000	1000	11000	12000 - 12700	-		2.3
598	59.8	Butterfly throttle (Cubic)	HDA-268	A021-001660	P003-000010	P003-000010	3/4	2	2 3/8	MAX	3600	2800 2600 - 3200	800	11500	12000 - 13000	-	0.94(9.6)(136)	3.0
667	66.8	Butterfly throttle (Cubic)	HDA-272	A021-001781	P003-000010	P003-000010	1 1/8	2 1/4	1/2	MAX	3600	2600 2300 - 2900	1000	11500	12900 - 13900	-	0.87(8.9)(126)	3.3
EC7500W/EC1	73.5	Butterfly throttle (Cubic)	HDA-224	A021-003150	Large D	Large D	1 1/2	1 1/2	4 6/8	MAX	4000	2500 2300 - 2600	1500	9000	9350 - 10450	-	11.3(11.5)(164)	3.3
EC7600W/EC1	73.5	Butterfly throttle (Cubic)	HDA-224	A021-003150	Large D	Large D	1 1/2	1 1/2	4 6/8	MAX	4000	2500 2300 - 2600	1500	9000	9350 - 10450	-	11.3(11.5)(164)	3.3

Standard guide bar and saw chain should be installed when adjusting.