

Model	DSPL (cm <sup>2</sup> )	Carburettor type			Adjustment Process→		1.initial setting			2	3	4		5	6	7	Engine						
					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 <sup>2</sup> ) (psi)	Max Power [kW]
					H	L																	
F220/EC1	21.1	Rotary throttle	WYL-84A	A021-002120	-	A259-000000	#35.5	11	8	MAX	3700	2900 2600 - 3200	800	-	7900 - 9100 *	-		0.7					
T220/EC1 C220/EC1	21.1	Rotary throttle	WYL-84A	A021-002120	-	A259-000000	#35.5	11	8	MAX	3700	2900 2600 - 3200	800	-	8800 - 10000 *	-		0.7					
T242XS/EC2 C242S/EC2	23.9	Rotary throttle	WYK-230	A021-002070	Small D	Small D	1 3/4	6 5/8	7	MAX	3450	2750 2500 - 3000	700	7500	8500 - 11500 *	-		0.8					
T2510X/EC2 C2510/EC2	24.5	Rotary throttle	WYL-214A	A021-002740	-	Small D	#36.5	8 1/4	5	MAX	3600	3000 2700 - 3300	600	-	8200 - 9200 *	-		0.8					
T300/EC1 C300/EC1	27.2	Rotary throttle	DPV10W-18B	A021-002360	-	-	-	-	1 2/8	-	-	3000 2750 - 3250	-	-	9500 - 12500	-		1.0					
T282XS/EC2 C282S/EC2	28.9	Rotary throttle	WYK-297	A021-002350	Small D	Small D	2 3/4	6 7/8	8	MAX	3650	2750 2500 - 3000	900	8500	9400 - 11400 *	-	1.05(10.7)(152)	1.0					
T350/EC1 C350/EC1	33.6	Piston valve	DPV11W-18F	A021-002490	Large D	-	2	-	1 6/8	-	-	2750 2500 - 3000	-	9000	9400 - 12600	-		1.3					
T3410/EC2 C3410/EC2	34.0	Rotary throttle	WYL-208B	A021-002480	-	Small D	#41	8 1/4	2	MAX	3800	3000 2700 - 3300	800	-	10000 - 11000	-	0.97(9.9)(141)	1.1					
T450/EC1	41.5	Piston valve	DPV11W-19B	A021-002550	Large D	-	2 1/8	-	1	-	-	2750 2500 - 3000	-	9400	10400 - 11600	-		1.6					
C260/EC1	24.1	Piston valve	DPN10W-1D	A021-002380	-	-	-	-	1 3/8	-	-	2900 2650 - 3150	-	-	10000 - 11600	-		1.0					
B450/EC1	41.5	Piston valve	DPV11W-19B	A021-002550	Large D	-	2 1/8	-	1	-	-	2750 2500 - 3000	-	8800	9800 - 11600	-		1.7					
B530/EC1	53.2	Piston valve	DPW12-2C	A021-002580	Large D	-	2 1/8	-	2	-	-	2500 2250 - 2750	-	8000	9000 - 12000	-		1.9					
CL520	51.7	Rotary throttle	WYK-341	A021-001860	A259-000000	A259-000000	3 3/4	13	1 1/2	MAX	3500	2750 2500 - 3000	750	-	10000 - 12000	-		1.8					
CL590	58.2	Rotary throttle	C3M-K80	A021-000952	P005-001520 (Red)	P005-001530 (white)	1/2	1 5/8	3 3/8	MAX	3250	2600 2300 - 2800	650	-	10000 - 12000	-	0.96(9.8)(139)	2.2					
BP45/EC1	41.5	Piston valve	PC10W-1M	A020-000120	-	-	#54	-	2	-	-	2500 2300 - 2700	-	-	9400 - 10600	-		1.7					

Adjustment Process→					1.initial setting			2	3	4	5	6	7	Engine				
Model	DSPL (cm <sup>2</sup> )	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 <sup>2</sup> ) (psi)	Max Power [kW]
					H	L												
BP420S/EC1	42.7	Rotary throttle	WYK-226A	A021-001172	A259-000000	A259-000000	4	12 1/4	2 3/8	MAX	3500	2500 2300 - 2700	1000	-	9000 - 10000 *	120	0.83(8.4)(120)	1.7
BP520S/EC1	51.7	Rotary throttle	WYK-341	A021-001860	A259-000000	A259-000000	3 3/4	13	1 1/2	MAX	3500	2750 2500 - 3000	750	-	11000 - 11700	120	0.83(8.5)(121)	1.9
BP530/EC1	53.2	Piston valve	DPW12-2D	A021-002640	Large D	-	2	-	2	-	-	2500 2300 - 2700	-	-	8500 - 11000	-		1.9
230PHS/EC1	22.5	Rotary throttle	WYL-26C	A021-002140	-	A259-000000	#34	11 1/2	9 1/4	MAX	3800	2750 2500 - 3000	1050	-	8500 - 11500 *	-		0.8
M242S/EC2	23.9	Rotary throttle	WYK-230	A021-002070	Small D	Small D	1 3/4	6 5/8	7	MAX	3700	3000 2750 - 3250	700	-	8500 - 11500 *	-		0.8
M2510/EC2	24.5	Rotary throttle	WYL-214A	A021-002740	-	Small D	#36.5	8 1/4	5	MAX	3600	3000 2700 - 3300	600	-	8200 - 9200 *	-	0.81(8.2)(117)	0.8
P230S/EC1	22.5	Rotary throttle	WYL-26C	A021-002140	-	A159-000000	#34	11 1/2	9 1/4	MAX	3800	2750 2500 - 3000	1050	-	9000 - 11000	-	1.02(10.4)(148)	0.8

Standard metal blade should be installed when adjusting.  
\*with nylon line head with shield