

Specifications- Model 2V78C

Engine model		2V78C-														
1	Type	—	Vertical shaft, 4-cycle, water-cooled diesel engine													
2	Combustion system	—	Indirect injection (IDI)													
3	No. of cylinders- Bore x Stroke	n- mm X mm	2 Vee - 78 X 78.4													
4	Displacement	liters	0.749													
5	Compression ratio	—	23.1 : 1													
6	PTO position	—	PTO Shaft Opposite Flywheel side													
7	Rotation direction	—	Counter clockwise (Viewed from opposite flywheel side)													
8	Governor	—	Mechanical centrifugal governor (All-speed governor)													
9	Aspiration	—	Naturally aspirated													
10	Cooling system	—	Radiator type cooling system, Force-feed circulation													
11	Lubrication system	—	Forced lubrication with trochoid pump													
12	Starting system	—	1.4 kW Electric starting motor, 12V DC													
13	Charging system	—	Dynamo, 12 V DC, 20 amp													
14	Battery required	minimum	433 CCA, 36 amp hour													
15	Starting aid device	—	Glow plug (10 VDC / 10 amp X 2 pcs., std. spec.)													
Engine spec. type		SB					SC					TX				
16	Rated engine speed	rpm	2800	3000	3200	3400	3600	2400	2600	2700	2800	3000	2600	2800	3000	3200
17	Engine Output	Gross Hp	16.1	17.2	18.1	19	20	—	—	—	16.1	17.2	—	16.1	17.2	18.1
		Net Hp	15.3	16	17	18	18.2	13.4	14.8	15	15.3	16	14.8	15.3	16	17
18	Maximum idling speed	rpm (+ or - 50)	3050	3250	3550	3770	3850	—	—	—	3050	3250	—	3050	3250	3550
19	Specific fuel consumption	g / hp-hr	192	203		213		192			203	192		203		
20	Fuel injection timing	bTDC (FID) degrees	19 - 21													
21	Fuel injection pressure	psi	1711.47													
22	Oil pan capacity	Gross	quarts		2.4											
		Effective	quarts		0.95											
23	Cooling water capacity	gallons	0.66													
24	Cooling fan type- Dia. X No. blades	mm	Suction - 325 dia. X 6					Suction - 285 dia. X 4					Suction - 325 dia. X 6			
25	Fan Drive	—	Directly mounted to Flywheel													
26	Crankshaft Length	mm	105 mm PTO					80 mm PTO					105 mm PTO			
27	Radiator	type	High capacity (optional)					Standard					High capacity (optional)			
28	Muffler type	type	Horz., above deck (optional)					Horizontal, below deck					Horz., above deck (optional)			
29	Air cleaner type	type	HD single stage (optional)					Single stage					HD single stage (optional)			
30	Engine weight (Dry),	lbs.	112 (Base engine only), 125.6 (Complete power unit with std. radiator), 162 (Complete power unit with high capacity radiator)													

Note: This table is subject to change without notice.