



BYV94——BYV700

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BOYE MODEL		BYV94		BYV109		BYV142		BYV165		BYV206		BYV220		BYV275		BYV358		BYV415		BYV450		BYV500		BYV550		BYV625		BYV700	
		PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP	PRP	ESP
Gen Power (KW)		68	75	80	87	104	114	120	132	150	165	160	176	200	220	260	286	304	332	328	360	360	400	400	440	456	/505	505	560
Engine Power (KW)		78	85	92	102	116	129	138	153	165	183	181	201	225	250	295	323	335	366	364	399	398	441	441	484	496	547	553	613
Engine Model		TD520GE		TAD531GE		TAD532GE		TAD731GE		TAD732GE		TAD733GE		TAD734GE		TAD941GE		TAD1343GE		TAD1344GE		TAD1345GE		TAD1641GE		TAD1642GE		TWD1643GE	
Engine Manufacturer		VOLVO PENTA																											
Engine Structure		4 in line, 4 stroke, turbocharged						6 in line, 4 stroke, turbocharged																					
				Air-Air Cool		Air-Air Cool		Air-Air Cool																				Water-Air Cool	
Cooling System		55 ^o C max radiator, fan belt drive, with safety guard																											
Governor		Heinzman Mechanical				EDC4 Electronic		Heinzman Mech		EDC4 Electronic				EMS2 System															
Starting		24V DC Start, with charging alternator																											
Displacement (L)		4.76						7.15								9.36				12.78						16.12			
Bore X Stroke (mm)		108×130												120×138				131×158						144×165					
Compression Ratio		17.5		18		18		18		18		18		17		17.4		18.1		18.1		18.1		16.5		16.5		16.5	
Fuel Cons 100% (L/h)		19.6		23.8		29.5		35.3		41.8		46.5		53.4		70.9		72.4		80.2		89		104.5		118.7		131	
Oil Cons		0.07		0.08		0.08		0.1		0.08		0.09		0.01		0.04		0.04		0.04		0.04		0.1		0.1		0.1	
Air Cons (m³/min)		4.8		5.7		7.55		9.86		11.4		11.5		16.1		17.7		27		28		27.6		35.5		38		43.65	
Exhaust Gas (m³/min)		15.4		16.7		21.2		27.5		31.9		31.8		33		46.5		60		67.5		58.3		85		92.6		101.6	
Exhaust Tem (℃)		610		544		507		520		529		510		495		519		420		465		570		443		471		450	
Oil Capacity (L)		13						20		34				29		35		36						48				48	
Coolant Capacity (L)		22		19.7		20.2		23.8		37.1				32		41		44						60				128	
Power Output		MCCB, with short circuit protection																											
Alternator Data		Voltage Regulation (idle load): ≥±5%; Voltage Regulation(stable state): ≤±1%; Insulation Class/Protection Grade: H/IP23; TIF<50/THF<2%																											
Accessories		Starting batteries(Maintenance-Free & Watering-Free), a set of connective wires, a suit of ripple flex exhaust pipe, exhaust siphon, muffler;																											
Dimension (mm)		2080×680×1450		2080×750×1450				2400×870×1450		2550×1050×1500				2650×1120×1595		2950×1120×1595		3100×1100×1630				3205×1115×1800		3300×1160×2000				3400×1397×1950	
Weight (kg)		1090		1150		1250		1560		1600		1600		2400		2700		2850		2850		3200		3800		3850		4050	
C/ W ta nk	Dimension (mm)	2080×940×1550		2080×920×1550				2400×920×1550		2600×1050×1770				2650×1120×1670		2950×1120×1770		3100×1120×1850				3205×1115×1800		3300×1270×2030				3400×1397×2100	
	Weight (kg)	1290		1350		1400		1760		1800				2700		3000		3100		3100		3300		4150		4200		4400	
	Fuel capacity (L)	110		145		145		240		230				240		440		510				550		700					
Soundproof Dim(mm)		2760×1140×1830						3230×1170×1800		3590×1250×2050						4225×1460×2150						4630×1660×2250						5030×1660×2550	

- PRP: Prime Power – Continuous duty operation, under variable load 24/24H-10%, over load permissible 1 hour/12hours;
- ESP: Standby Power Duty, operation under variable load, without over load;
- The data is only for your reference, but not for use of sales.