

TNV Series 1 Data - Specifications

Engine Specifications

Engine Model		2TNV70	3TNV70	3TNV76
Type	Vertical cylinder, 4-cycle water-cooled diesel engine			
Combustion	Indirect injection(IDI)			
Aspiration	Natural Aspiration			
No. of cylinders	2	3		
Cyl. Bore x stroke(mm)	70 x 74		76 x 82	
Displacement(Litter)	0.570	0.854	1.116	
Direction of rotation	Counterclockwise(viewed from flywheel)			
Governor system	Mechanical			
Cooling System	Radiator			
Lubrication System	Forced lubrication by trochoid pump			
Starting System	Electric starting			
Dry mass(back plate)(kg)	73	87	94	
Dry mass(Bell housing)(kg)	84	98	112	
Applicable Emission Regulation	EPAIT4 Compliance	-	-	○(\geq 19kW)
	EPA Tier4 Compliance	○	○	○(\leq 19kW)
	EC Stage IIA(Generator use)	-	-	○(\geq 19kW)
	EC Stage IIIA(Industrial use)	-	-	○(\geq 19kW)
	China Stage II Compliance	○	○	○

Output

Model		2TNV70	3TNV70	3TNV76
Industrial use NET kW/NET hp/Gross kW	3600(min-1rpm)	9.9/13.3/10.5	15.5 / 20.8 / 17.0	-
	3400(min-1rpm)	9.6 / 12.9 / 10.1	14.7 / 19.7 / 16.1	-
	3200(min-1rpm)	9.3 / 12.5 / 9.8	14.0 / 18.8 / 15.1	18.2/24.4/19.9
	3000(min-1rpm)	9.1 / 12.2 / 9.5	13.7 / 18.4 / 14.6	17.9/24.0/19.2
	2800(min-1rpm)	8.5 / 11.4 / 8.8	12.8 / 17.2 / 13.6	16.7/22.4/17.8
	2700(min-1rpm)	8.2 / 11.0 / 8.4	12.4/ 16.6 / 13.1	16.1/21.6/17.1
	2600(min-1rpm)	7.9 / 10.6 / 8.1	11.8 / 15.8 / 12.5	15.5/20.8/16.5
	2500(min-1rpm)	7.6 / 10.2 / 7.8	11.4 / 15.3 / 12.0	14.9/20.0/15.8
	2400(min-1rpm)	7.3 / 9.8 / 7.5	11.0 / 14.8 / 11.5	14.3/19.2/15.1
	2300(min-1rpm)	7.0 / 9.4 / 7.2	10.5 / 14.1 / 11.0	13.8/18.5/14.4
	2200(min-1rpm)	6.6 / 8.9 / 6.8	9.9 / 13.3 / 10.3	13.2/17.7/13.8
	2100(min-1rpm)	6.3 / 8.4 / 6.5	9.5 / 12.7 / 9.9	12.5/16.8/13.0
	2000(min-1rpm)	6.0 / 8.0 / 6.1	9.0 / 12.1 / 9.3	11.8/15.8/12.3
Generator use NET kW/NET hp/Gross kW Stand-by	3600(min-1rpm)	10.0 / 13.4 / 10.6	16.0 / 21.5 / 17.6	19.5/26.1/21.7
	3000(min-1rpm)	8.5 / 11.4 / 8.8	13.3 / 17.8 / 14.3	16.6/22.3/17.9
	1800(min-1rpm)	-	8.0 / 10.7 / 8.3	10.7/14.3/11.1

	1500(min-1rpm)	-	6.7 / 9.0 / 6.8	9.0/12.1/9.2
Generator use NET kW/NET hp/Gross kW Continuous	3600(min-1rpm)	9.1 / 12.2 / 9.7	14.5 / 19.4 / 16.1	17.7/23.7/19.9
	3000(min-1rpm)	7.7 / 10.3 / 8.1	12.1 / 16.2 / 13.1	15.1/20.2/16.5
	1800(min-1rpm)	-	7.3 / 9.8 / 7.5	9.8/13.1/10.1
	1500(min-1rpm)	-	6.1 / 8.2 / 6.3	8.2/11.0/8.4

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