

Yanmar Diesel Engines Irrigation Packs & Generator Packs

Powered by

YANMAR
Diesel Power



Fully packaged engines ready for a pump or generator to be coupled!

▶ Engine vibration caused by poor quality installation, inadequate design or incorrect installation is the major cause of engine failure. With these packages, all three problems can be avoided and engine life fulfilled.

Features

- Heavy duty steel skid base
- Full engine protection
- Turn-key operation
- PTO shaft fitted
- Optional auto start/stop

▶ Irrigation Packs

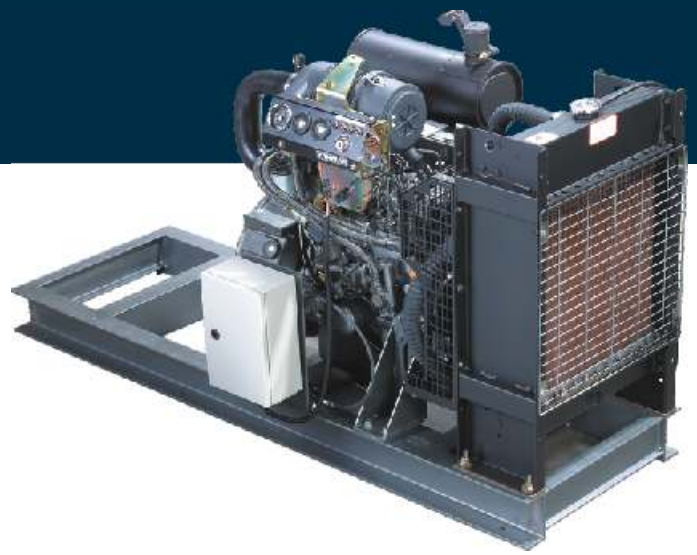


Models 7.5hp to 50hp

3TNE68IP, 3TNE74IP, 3TNE78IP, 3TNE84IP,
3TNE88IP, 4TNE84IP, 4TNE88IP, 4TNE84TIP

Features

- Engine with 45°C rated radiator
- Sturdy steel base
- Variable engine speed controller
- Control panel with tacho and key start
- Muffler
- Air cleaner
- Fuel filter and lift pump
- Full engine protection kit including low oil pressure, high water temperature, low radiator fluid level, 24 hour timer and pump high/low switchgauge.
- PTO shaft
- Battery leads
- Optional ACP100CT auto start controller



Models 35hp to 102hp

4TNE94IP, 4TNE98IP, 4TNE106IP, 4TNE106TIP

Features

- Engine with 50°C rated heavy duty radiator
- Sturdy steel base
- Variable engine speed controller
- Control panel with tacho and key start
- Muffler
- Air cleaner
- Fuel filter and lift pump
- Full engine protection kit including low oil pressure, high water temperature, low radiator fluid level, 24 hour timer and pump high/low switchgauge.
- PTO shaft
- Battery Leads
- Optional ACP100CT auto start controller

HP@ ... RPM (Continuous Rating)

ENGINE	CYL	COOLING	1500	1600	1800	2000	2200	2400	2600	2800	3000	Wt (kg)	Shipping Volume (cum)
3TNE68IP	3	WATER	7.47	8.28	9.09	10.35	11.34	12.47	13.50	14.49	15.57	254	1.10
3TNE74IP	3	WATER	9.54	10.66	11.61	13.32	14.58	15.93	17.28	18.72	20.07	289	1.10
3TNE78IP	3	WATER	11.97	13.25	14.40	15.93	17.64	19.17	20.79	22.32	24.03	304	1.08
3TNE84IP	3	WATER	14.94	16.65	18.10	19.80	21.87	23.76	25.74	27.72	29.70	348	1.10
3TNE88IP	3	WATER	16.29	18.15	19.80	21.69	24.03	26.10	28.35	30.42	32.67	348	1.10
4TNE84IP	4	WATER	19.80	21.85	23.70	26.46	29.07	31.77	34.38	37.08	39.69	381	1.14
4TNE88IP	4	WATER	21.69	24.15	26.30	29.07	31.95	34.74	37.80	40.68	43.47	381	1.14
4TNE84TIP	4	WATER	25.74	29.17	32.60	33.75	36.81	40.41	43.11	46.71	49.77	386	1.14
4TNE94IP*	4	WATER	35.10	38.55	42.00	42.57	46.08	50.22	51.93*	-	-	500	1.54
4TNE98IP*	4	WATER	41.40	45.35	49.30	50.58	55.08	59.49	61.65*	-	-	100	1.54
4TNE106IP*	4	WATER	55.30	58.80	65.80	68.30	74.07	79.02	81.70*	-	-	628	2.44
4TNE106TIP*	4	WATER	68.80	73.36	82.50	84.30	91.44	98.46	101.61*	-	-	628	2.44

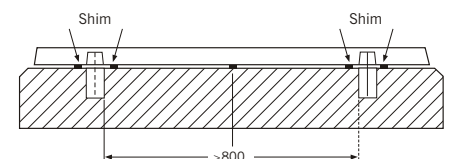
SA Variable Speed Engine

(*2500 RPM Max)

MOUNTING

Position the pumpset on the foundation and align using a precision spirit level (on the pump discharge nozzle).

Always fit shims to left and right of the anchor bolts near the bolts, between the baseplate/foundation frame and the foundation. If the shims are more than 800mm apart, position extra shims an equal distance between them. All shims must be perfectly flush. Uniformly tighten up securing means.



ALIGNING PUMP/MOTOR

The coupling MUST be checked and the pumpset realigned even if the pump and motor are supplied ready mounted on a common baseplate.

- Battery not supplied

For further details refer to the "Installation and Mounting Instructions" booklet available from Power Equipment.

▶ Generator Packs



Models 7.5hp to 25hp

3TNE68EG1GP, 3TNE74EG1GP, 3TNE78EG1GP,
3TNE84EG1GP, 3TNE88EG1GP, 4TNE84EG1GP,
4TNE88EG1GP, 4TNE84TEG1GP

Models 35hp to 68hp

4TNE94EG1GP, 4TNE98EG1GP, 4TNE106EG1GP,
4TNE106TEG1GP

Features

- Engine with mounted radiator
- Sturdy steel base
- Muffler
- Air cleaner
- Fuel filter and lift pump
- Full engine protection kit including low oil pressure, high water temperature, low radiator fluid level, key start switch.
- Battery leads
- Optional ACP100CT mains failure / auto start controller

Features

- Engine with 50°C rated heavy duty radiator
- Sturdy steel base
- Muffler
- Air cleaner
- Fuel filter and lift pump
- Full engine protection kit including low oil pressure, high water temperature, low radiator fluid level, key start switch.
- Battery leads
- Optional ACP100CT mains failure / auto start controller

▶ Specifications

Model	HP@ 1500RPM continuous	Generator capacity	Housing	Flywheel size	Weight (kg)	Shipping Volume (cum)
3TNE68EG1GP	7.47	5 Kva	SAE#5	7.5	272	1.10
3TNE74EG1GP	9.54	7 Kva	SAE#5	7.5	286	1.10
3TNE78EG1GP	11.97	8.5 Kva	SAE#4	7.5	327	1.08
3TNE84EG1GP	14.94	11 Kva	SAE#4	7.5	351	1.10
3TNE88EG1GP	16.29	12.5 Kva	SAE#4	7.5	351	1.10
4TNE84EG1GP	19.80	15 Kva	SAE#4	7.5	383	1.14
4TNE88EG1GP	21.69	18 Kva	SAE#4	7.5	383	1.14
4TNE84TEG1GP	25.74	20 Kva	SAE#4	7.5	388	1.14
4TNE94EG1GP	35.10	25 Kva	SAE#3	11.5	471	1.54
4TNE98EG1GP	41.40	30 Kva	SAE#3	11.5	471	1.54
4TNE106EG1GP	55.30	40 Kva	SAE#3	11.5	609	2.44
4TNE106TEG1GP	68.80	45 Kva	SAE#3	11.5	609	2.44

ENGINE RECOMMENDATIONS

Lubrication Oil	Monograde SAE30 or 40 subject to ambient temperature
Coolant	Any proprietary longlife coolant mixed to strength as stated in Yanmar handbook.
Battery Size	80 Ah

ENGINE WARRANTY

Mechanical Parts	2 years / 2,000 hours
Electrical Parts	1 years / 1,000 hours

▶ Optional Auto Start/Stop System

Model ACP100CT



This system is designed to be flexible enough to operate with most applications. It can be used as a “demand start” for generators, be controlled by an “irrigation” controller, programmed for 6 different 7 day programs or simply stopped or started by float or pressure switches.

It has inbuilt engine protection to guard against low oil, high water temperature, low radiator level (TNE only) and fan belt failure.

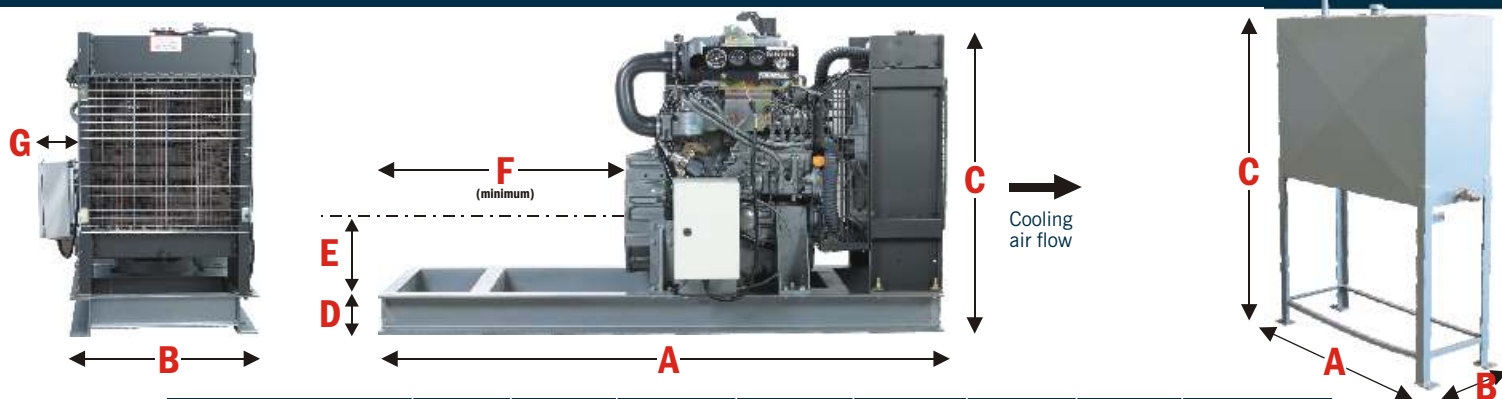
▶ Optional Fuel Tanks

Model	Tank capacity
TNE-FUELTANK-200L	200 Litres
TNE-FUELTANK-500L	500 Litres
TNE-FUELTANK-650L	650 Litres
TNE-FUELTANK-800L	800 Litres
TNE-FUELTANK-1100L	1100 litres

These fuel tanks are free standing and feature a water trap fuel filter, aluminium vent, dip stick level indicator, tank drain plug and 2 metres of fuel hose for both the main fuel supply line and fuel return line.

Ideal for TNE, TF and L Series engines.

▶ Dimensions



Model	A	B	C	D	E	F (min.)	G	PTO Shaft
3TNE68	1750	525	948	150	210	750	150	40 x 80
3TNE74	1750	525	950	150	210	750	150	40 x 80
3TNE78A	1750	525	933	150	210	750	150	40 x 80
3TNE84/88	1750	525	948	150	210	750	150	40 x 80
4TNE84/88/84T	1750	525	983	150	210	750	150	40 x 80
4TNE94/98	1810	600	1150	150	266	750	150	50 x 90
4TNE106/106T	2055	670	1398	150	248	750	150	50 x 90
TNE-FUELTANK-200L	600	600	600					
TNE-FUELTANK-500L	1200	450	900					
TNE-FUELTANK-650L	1200	600	900					
TNE-FUELTANK-800L	1500	600	1200					
TNE-FUELTANK-1100L	1500	600	1200					

Note

• Specifications subject to change without notice

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