

POWER EQUIPMENT
SMALL SIZED INDUSTRIAL PRODUCTS



Yanmar Europe B.V.

Brugplein 11, 1332 BS Almere-de Vaart, The Netherlands
Tel : 31-36-5493200 www.yanmar.nl

Yanmar Italy S.p.A.

Via Carlo Noe', 43/A, 21013 Gallarate (Varese), Italy
Tel : 39-0331-706.601 www.yanmaritaly.it

Yanmar America Corp.

101 International Parkway, Adairsville, GA 30103, U.S.A.
Tel : 1-770-877-9894 www.yanmar.com

Yanmar Asia (Singapore) Corporation Pte. Ltd.

4 Tuas Lane, Singapore 638613
Tel : 65-6595-4200 www.yanmar.co.jp/yasc

Yanmar Engine (Shanghai) Co., Ltd.

10F, E-Block POLY PLAZA, No.18 Dongfanf Road,
Pudong Shanghai, China
Tel : 86-21-68805090 www.yanmar-sha.com

Yanmar Co., Ltd.

Umeda Gate Tower, 1-9, Tsurunocho, Kita-ku, Osaka 530-8311, Japan
Tel : 81-6-6376-6411 yanmar.com

HORIZONTAL DIESEL ENGINES

TF/TS series

Max. Output 4.4~16.9kW

- Horizontal, 4-cycle, water cooled diesel engine.
- Direct fuel injection produces dynamic power.
- Fuel used to maximum effect.
- Dramatic drop in oil consumption.
- Better lube system improves reliability.
- Easy operation, simple servicing less vibration, low noise level.



TF160

SPECIFICATIONS

| Engine Model | TF70H | TF70 | TF70L | TF90MH | TF90M | TF90ML |
|----------------------|-------------------------|------|-------------------|-------------------------|-------|--------|
| No. of Cylinders | 1 | | | | | |
| Bore x Stroke | mm | | | mm | | |
| | Φ78 x 80 | | | Φ85 x 87 | | |
| Displacement | liter | | | liter | | |
| | 0.382 | | | 0.493 | | |
| Maximum Engine Speed | min ⁻¹ (rpm) | | | min ⁻¹ (rpm) | | |
| | 2400 | | | 2400 | | |
| Rated Output | kW[hp] | | | kW[hp] | | |
| | 5.2 [7.0] | | | 7.0 [9.5] | | |
| Engine Dry mass | kg | kg | | kg | kg | |
| | 65 | 67.5 | | 90 | 91 | |
| Dimensions | Length x Width x Height | | mm | | mm | |
| | 607.5 x 311 x 469 | | 672 x 335.5 x 496 | | | |

| Engine Model | TF120MH | TF120M | TF120ML | TF160H | TF160 | TF160L |
|----------------------|-------------------------|--------|-------------------|-------------------------|-------------------|--------|
| No. of Cylinders | 1 | | | | | |
| Bore x Stroke | mm | | | mm | | |
| | Φ92 x 96 | | | Φ102 x 105 | | |
| Displacement | liter | | | liter | | |
| | 0.638 | | | 0.857 | | |
| Maximum Engine Speed | min ⁻¹ (rpm) | | | min ⁻¹ (rpm) | | |
| | 2400 | | | 2400 | | |
| Rated Output | kW[hp] | | | kW[hp] | | |
| | 8.8 [12.0] | | | 11.8 [16.0] | | |
| Engine Dry mass | kg | kg | kg | kg | kg | kg |
| | 107 | 106.5 | 113.5 | 133.5 | 140 | 148 |
| Dimensions | Length x Width x Height | | mm | | mm | |
| | 688.5 x 352.5 x 530 | | 752 x 352.5 x 530 | | 766 x 379.5 x 621 | |

| Engine Model | TS190 | TS190R | TS190RE | TS230 | TS230R | TS230RE |
|----------------------|-------------------------|--------|---------------------|-------------------------|----------------------|---------|
| No. of Cylinders | 1 | | | | | |
| Bore x Stroke | mm | | | mm | | |
| | Φ110 x 106 | | | Φ112 x 115 | | |
| Displacement | liter | | | liter | | |
| | 1.007 | | | 1.132 | | |
| Maximum Engine Speed | min ⁻¹ (rpm) | | | min ⁻¹ (rpm) | | |
| | 2200 | | | 2200 | | |
| Rated Output | kW[hp] | | | kW[hp] | | |
| | 14.0 [19.0] | | | 16.9 [23.0] | | |
| Engine Dry mass | kg | kg | kg | kg | kg | kg |
| | 187 | 192 | 202 | 196 | 203 | 217 |
| Dimensions | Length x Width x Height | | mm | | mm | |
| | 894.5 x 454.5 x 660 | | 963.5 x 467.5 x 657 | | 1056.5 x 467.5 x 657 | |

HORIZONTAL DIESEL ENGINES

CY series

Max. Output 13.2~16.2kW

- Horizontal, 4-cycle, water cooled diesel engine.
- Direct fuel injection produces dynamic power.
- Fuel used to maximum effect.
- Dramatic drop in oil consumption.
- Better lube system improves reliability.
- Easy operation, simple servicing less vibration, low noise level.



CY1105

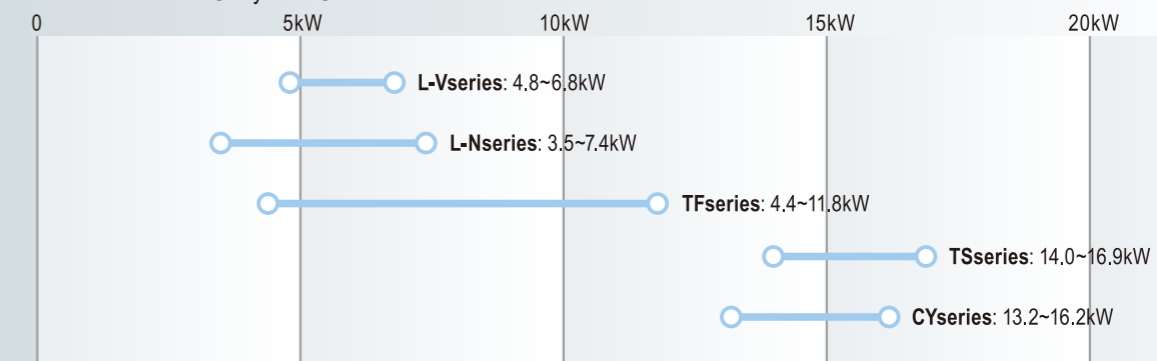
CY1115

SPECIFICATIONS

| Engine Model | CY1105 | CY1105M | CY1115P | CY1115PE |
|----------------------|-------------------------|---------|-------------------------|----------|
| No. of Cylinders | 1 | | | |
| Bore x Stroke | mm | | mm | |
| | Φ105 x 115 | | Φ115 x 115 | |
| Displacement | liter | | liter | |
| | 0.995 | | 0.995 | |
| Maximum Engine Speed | min ⁻¹ (rpm) | | min ⁻¹ (rpm) | |
| | 2200 | | 2200 | |
| Rated Output | kW[hp] | | kW[hp] | |
| | 13.2 [17.9] | | 16.2 [22.0] | |
| Engine Dry mass | kg | kg | kg | kg |
| | 150 | 165 | 190 | 195 |
| Dimensions | Length x Width x Height | | mm | |
| | 854 x 642 x 434 | | 927 x 642 x 434 | |

Note: When specification varies, the above engine speed and rated output will vary accordingly.

DIESEL ENGINE [1 cylinder]



AIR COOLED DIESEL ENGINES

L-V series

Max. Output 4.8~6.8kW

- Vertical cylinder, 4-cycle, air-cooled diesel engine.
- L-Vseries meets EPA's strict Tier 2.
- Compact, Direct injection Engine = Easy installation & Low Fuel Consumption.
- Low Vibration and Low Noise.
- Quick and Easy Start.



L70V



L100V

SPECIFICATIONS

| Engine Model | L70V | | L100V | |
|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| No. of Cylinders | 1 | | | |
| Bore x Stroke | mm | | mm | |
| | Φ78 x 67 | | Φ86 x 75 | |
| Displacement | liter | | liter | |
| | 0.320 | | 0.435 | |
| Maximum Engine Speed | min ⁻¹ (rpm) | min ⁻¹ (rpm) | min ⁻¹ (rpm) | min ⁻¹ (rpm) |
| | 3600 | 3000 | 3600 | 3000 |
| Rated Output | kW[hp] | | kW[hp] | |
| | 4.8 [6.5] | 4.4 [6.0] | 6.8 [9.3] | 6.3 [8.5] |
| Engine Dry mass | kg | | kg | |
| | 41 / 36 | | 53.5 / 48.5 | |
| Dimensions | Length x Width x Height | | mm | |
| | 378 x 422 x 453 | | 412 x 471 x 494 | |

AIR COOLED DIESEL ENGINES

L-N series

Max. Output 3.5~7.4kW

- Vertical cylinder, 4-cycle, air-cooled diesel engine.
- Compact, Direct injection Engine = Easy installation & Low Fuel Consumption.
- Low Vibration and Low Noise.
- A little engine built to stand up to hard work.
- Fast, effortless starts from a one-pull recoil starter.



L48N



L100N

SPECIFICATIONS

| Engine Model | L48N | | L70N | | L100N | |
|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| No. of Cylinders | 1 | | | | | |
| Bore x Stroke | mm | | mm | | mm | |
| | Φ70 x 57 | | Φ78 x 67 | | Φ86 x 75 | |
| Displacement | liter | | liter | | liter | |
| | 0.219 | | 0.320 | | 0.435 | |
| Maximum Engine Speed | min ⁻¹ (rpm) | min ⁻¹ (rpm) | min ⁻¹ (rpm) | min ⁻¹ (rpm) | min ⁻¹ (rpm) | min ⁻¹ (rpm) |
| | 3600 | 3000 | 3600 | 3000 | 3600 | 3000 |
| Rated Output | kW[hp] | | kW[hp] | | kW[hp] | |
| | 3.5 [4.7] | 3.1 [4.2] | 4.9 [6.7] | 4.5 [6.1] | 7.4 [10.0] | 6.5 [8.8] |
| Engine Dry mass | kg | | kg | | kg | |
| | 32 / 27 | | 41 / 36 | | 53.5 / 48.5 | |
| Dimensions | Length x Width x Height | | mm | | mm | |
| | 332 x 384 x 417 | | 378 x 422 x 453 | | 412 x 471 x 494 | |

COMPACT DIESEL ENGINES

TNM series

Max. Output 14.1~17.6kW



- Vertical cylinder, 4-cycle, water-cooled diesel engine.
- Ultra-Compact and High Performance. [No.1 in class in Power Density]
- Low Noise & Vibration. [The Ladder Frame Structure]
- Environmentally Friendly. [Compliant with EPA Tier 4 in the U.S. and Extra-low Fuel Consumption]
- Easy Installation and Replacement, the Perfect fit for your Machine.

SPECIFICATIONS

| Engine Model | 3TNM68 | | | | 3TNM72 | | | | | |
|--|--|-------------------------|-------------|-------------|-----------------|-------------|-------------|-------------|-------------|-------------|
| Combustion | Indirect injection (IDI) | | | | | | | | | |
| No. of Cylinders | 3 | | | | | | | | | |
| Bore x Stroke | mm Φ68 x 72 | | | | Φ72 x 74 | | | | | |
| Displacement | liter 0.784 | | | | 0.903 | | | | | |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 3600 | 3400 | 3200 | 3000 | 3600 | 3400 | 3200 | 3000 |
| | Output | kW [hp] | 14.1 [18.9] | 13.5 [18.1] | 12.8 [17.2] | 12.6 [16.9] | 17.6 [23.6] | 16.5 [22.1] | 15.6 [20.9] | 14.7 [19.7] |
| Dry mass (back plate / SAE#6 bell housing) | kg 73/82 | | | | 77/86 | | | | | |
| Dimensions (back plate) | Length x Width x Height mm 431 x 400 x 500 | | | | 450 x 400 x 505 | | | | | |

WATER COOLED DIESEL ENGINE

TNV series

Max. Output 9.9~72.0kW



3TNV76



3TNV88



4TNV106T

- Vertical cylinder, 4-cycle, water-cooled diesel engine.
- Emission reduction (ie a cleaner engine).
- IDI engines: combustion chamber, fuel injection equipment mechanical pump.
- DI engines: nozzle installation angle, combustion chamber, fuel injection equipment (MP pump, fuel injection nozzle).
- Noise level reduction (ie a more silent engine)

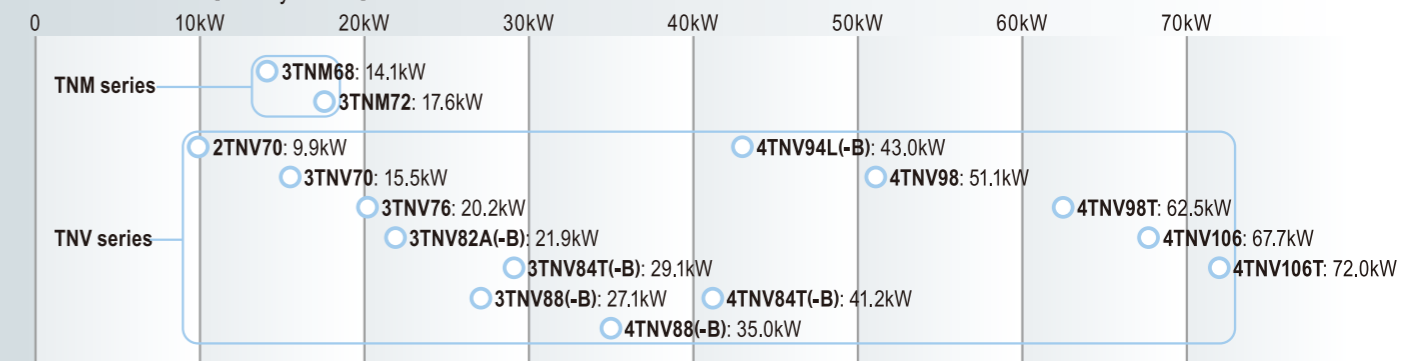
SPECIFICATIONS

| Engine Model | 2TNV70 | | 3TNV70 | | | | 3TNV76 |
|--------------------------------------|--|-------------------------|-----------------|--|-------------|--|-----------------|
| Combustion | Indirect injection (IDI) | | | | | | |
| No. of Cylinders | 2 | | 3 | | | | |
| Bore x Stroke | mm Φ70 x 74 | | | | | | Φ76 x 82 |
| Displacement | liter 0.570 | | 0.854 | | | | 1.116 |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 3600 | | | | 3600 |
| | Output | kW[hp] | 9.9 [13.3] | | 15.5 [20.8] | | 20.2 [27.1] |
| Dry mass (Back plate / Bell housing) | kg 73/84 | | 87/98 | | | | 94/112 |
| Dimensions | Length x Width x Height mm 415 x 427 x 521 | | 504 x 427 x 549 | | | | 524 x 427 x 572 |

| Engine Model | 3TNV82A (-B) | 3TNV84T (-B) | 3TNV88 (-B) | 4TNV84T (-B) | 4TNV88 (-B) |
|--------------------------------------|--|-------------------------|---------------------|--------------|---------------------|
| Combustion | Direct injection (DI) | | | | |
| No. of Cylinders | 3 | | | 4 | |
| Bore x Stroke | mm Φ82 x 84 | Φ84 x 90 | Φ88 x 90 | Φ84 x 90 | Φ88 x 90 |
| Displacement | liter 1.331 | 1.496 | 1.642 | 1.995 | 2.190 |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 3000 | | 3000 |
| | Output | kW[hp] | 21.9 [29.4] | 29.1 [39.0] | 27.1 [26.3] |
| Dry mass (Back plate / Bell housing) | kg 111/128 | | 150/159 | 138/148 | 165/170 |
| Dimensions | Length x Width x Height mm 528.5 x 498.5 x 561 | | 615.7 x 517.5 x 652 | | 564.5 x 517.5 x 622 |

| Engine Model | 4TNV94L (-B) | 4TNV98(-Z) | 4TNV98T(-Z) | 4TNV106 | 4TNV106T |
|--------------------------------------|--|-------------------------|-----------------|-------------|-----------------|
| Combustion | Direct injection (DI) | | | | |
| No. of Cylinders | 4 | | | | |
| Bore x Stroke | mm Φ94 x 110 | Φ98 x 110 | | | Φ106 x 125 |
| Displacement | liter 3.053 | 3.319 | | | 4.412 |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 2500 | | 2200 |
| | Output | kW[hp] | 43.0 [57.7] | 51.1 [68.5] | 62.5 [83.8] |
| Dry mass (Back plate / Bell housing) | kg -/235 | | -/235 | | -/340 |
| Dimensions | Length x Width x Height mm 719 x 496 x 717 | | 719 x 496 x 717 | | 890 x 628 x 820 |

DIESEL ENGINE [2~4 cylinders]



TNMseries Power Pack



SPECIFICATIONS

| Model | 3TNM68 Power Pack | | | | | | |
|---|---|-----------------|-------------|-------------|-----------|-----------|-----------|
| Engine Speed | min ⁻¹ (rpm) | 3600 | 3000 | 1800 | 1500 | | |
| Industrial use -ASA, ASA2, ASA3 | Intermittent | NET kW[hp] | 14.1 [18.9] | — | — | — | |
| | | Gross kW | 14.7 | — | — | — | |
| Rated Output | Generator use -HGE(3000/3600) -GGE(1500/1800) | Stand-by | NET kW[hp] | 14.2 [19.0] | 12 [16.1] | 7.3 [9.8] | 6.1 [8.2] |
| | | | Gross kW | 15.2 | 12.6 | 7.4 | 6.2 |
| | Continuous | NET kW[hp] | 12.9 [17.3] | 10.9 [14.6] | 6.6 [8.8] | 5.5 [7.4] | |
| | | Gross kW | 13.9 | 11.5 | 6.7 | 5.6 | |
| Applicable generator capacity | Continuous | kVA | 15.1 | 12.5 | 7.5 | 5.9 | |
| | | kVA | 13.6 | 11.4 | 6.5 | 5.3 | |
| Dry mass (back plate / SAE#6 bell housing / SAE#5 bell housing) | kg | 91/100/104 | | | | | |
| Dimensions (back plate) | Length x Width x Height mm | 758 x 474 x 668 | | | | | |

TNVseries Power Pack



Genepack A

Genepack B

ENGINE SPEC. SELECTION CODE

| Power Pack Group | Application | 3TNV 70 | 3TNV 76 | 3TNV 88(-B) | 4TNV 88(-B) | 4TNV 98(-Z) | 4TNV 98T(-Z) |
|------------------|-------------------------------|---------|---------|-------------|-------------|-------------|--------------|
| Group A | General industrial use | — | -CS | -DS | -DS | -NS | -NS |
| | Generator use (open type) | 4-pole | -GA | -GA | -GA | -GA | -GA |
| Group B | Generator use (enclosed type) | 2-pole | -HB | -HB | — | — | — |
| | | 4-pole | — | -GB | -GB | -GB | -GB |

OUTPUT & DIMENSIONS / Industrial use

| Engine Model | 3TNV76 | 3TNV88(-B) | 4TNV88(-B) | 4TNV98(-Z) | 4TNV98T(-Z) |
|---|-----------|------------|------------|------------|-------------|
| Code | -CS | -DS | -DS | -NS | -NS |
| Rated Output kW/min ⁻¹ (rpm) | 18.7/3200 | 26.8/3000 | 35.4/3000 | 50.7/2500 | 62.5/2500 |
| Weight kg | 128 | 181 | 211 | 280 | 284 |
| | Length mm | 814 | 821 | 1002 | 1041 |
| Dimensions | Width mm | 514 | 609 | 609 | 703 |
| | Height mm | 696 | 792 | 824 | 940 |

OUTPUT & DIMENSIONS / Generator use

| Engine Model | 3TNV70 | 3TNV76 | 3TNV76 | 3TNV88(-B) | 4TNV88(-B) | 4TNV98(-Z) | 4TNV98T(-Z) | |
|-------------------------------|--------------------------|--------|--------|------------|------------|------------|-------------|--|
| Code | -HB | -HB | -GA | -GB | -GA | -GB | -GA | |
| No. of Poles | 2-pole | | | | 4-pole | | | |
| Frequency | Hz | 50 | 60 | 50 | 60 | 50 | 60 | |
| | @min ⁻¹ (rpm) | 3000 | 3600 | 3000 | 3600 | 1500 | 1800 | |
| Engine Output | Prime power rating kW | 12.1 | 14.5 | 15.1 | 17.7 | 8.2 | 9.8 | |
| | Rated output kW | 13.3 | 16.0 | 16.5 | 19.5 | 9.0 | 10.7 | |
| Applicable Generator Capacity | Prime power rating kVA | 12.4 | 15.0 | 16.0 | 18.4 | 8.4 | 10.0 | |
| | Rated output kVA | 13.6 | 16.6 | 17.1 | 20.2 | 9.2 | 11.0 | |
| Weight | kg | 115 | 125 | 122 | 125 | 180 | 175 | |
| | Length mm | 798 | 814 | 745 | 814 | 821 | 875 | |
| Dimensions | Width mm | 518 | 518 | 518 | 518 | 609 | 609 | |
| | Height mm | 683 | 694 | 696 | 672 | 792 | 731 | |

Note:When specification varies,the above engine speed and rated output will vary accordingly.

COMPACT DIESEL ENGINES

TNM series

Max. Output 14.1~17.6kW



- Vertical cylinder, 4-cycle, water-cooled diesel engine.
- Ultra-Compact and High Performance. [No.1 in class in Power Density]
- Low Noise & Vibration. [The Ladder Frame Structure]
- Environmentally Friendly. [Compliant with EPA Tier 4 in the U.S. and Extra-low Fuel Consumption]
- Easy Installation and Replacement, the Perfect fit for your Machine.

SPECIFICATIONS

| Engine Model | 3TNM68 | | | | 3TNM72 | | | | | |
|--|--|-------------------------|-------------|-------------|-----------------|-------------|-------------|-------------|-------------|-------------|
| Combustion | Indirect injection (IDI) | | | | | | | | | |
| No. of Cylinders | 3 | | | | | | | | | |
| Bore x Stroke | mm Φ68 x 72 | | | | Φ72 x 74 | | | | | |
| Displacement | liter 0.784 | | | | 0.903 | | | | | |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 3600 | 3400 | 3200 | 3000 | 3600 | 3400 | 3200 | 3000 |
| | Output | kW [hp] | 14.1 [18.9] | 13.5 [18.1] | 12.8 [17.2] | 12.6 [16.9] | 17.6 [23.6] | 16.5 [22.1] | 15.6 [20.9] | 14.7 [19.7] |
| Dry mass (back plate / SAE#6 bell housing) | kg 73/82 | | | | 77/86 | | | | | |
| Dimensions (back plate) | Length x Width x Height mm 431 x 400 x 500 | | | | 450 x 400 x 505 | | | | | |

WATER COOLED DIESEL ENGINE

TNV series

Max. Output 9.9~72.0kW



3TNV76



3TNV88



4TNV106T

- Vertical cylinder, 4-cycle, water-cooled diesel engine.
- Emission reduction (ie a cleaner engine).
- IDI engines: combustion chamber, fuel injection equipment mechanical pump.
- DI engines: nozzle installation angle, combustion chamber, fuel injection equipment (MP pump, fuel injection nozzle).
- Noise level reduction (ie a more silent engine)

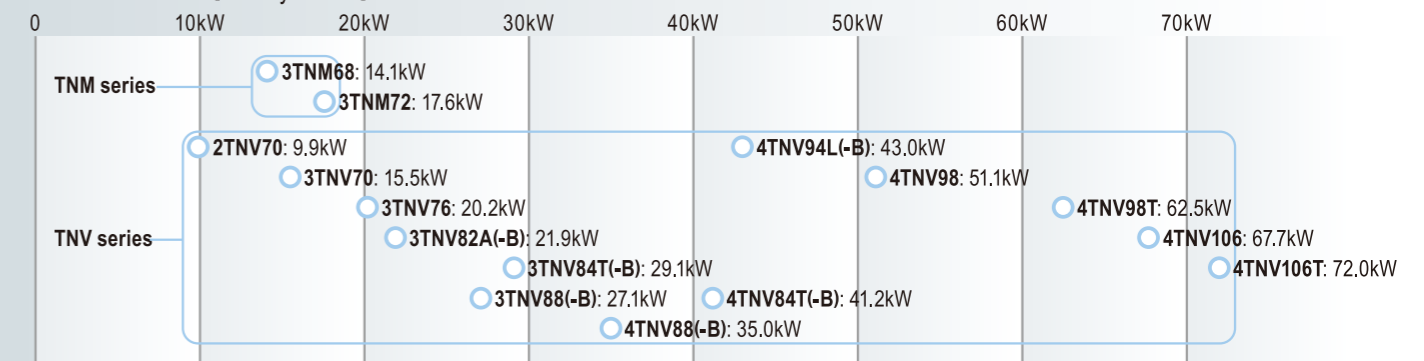
SPECIFICATIONS

| Engine Model | 2TNV70 | | 3TNV70 | | | | 3TNV76 | |
|--------------------------------------|--|-------------------------|-----------------|--|-------------|--|-----------------|--|
| Combustion | Indirect injection (IDI) | | | | | | | |
| No. of Cylinders | 2 | | 3 | | | | 3 | |
| Bore x Stroke | mm Φ70 x 74 | | | | | | | |
| Displacement | liter 0.570 | | 0.854 | | | | 1.116 | |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 3600 | | 3600 | | 3600 | |
| | Output | kW[hp] | 9.9 [13.3] | | 15.5 [20.8] | | 20.2 [27.1] | |
| Dry mass (Back plate / Bell housing) | kg 73/84 | | 87/98 | | | | 94/112 | |
| Dimensions | Length x Width x Height mm 415 x 427 x 521 | | 504 x 427 x 549 | | | | 524 x 427 x 572 | |

| Engine Model | 3TNV82A (-B) | 3TNV84T (-B) | 3TNV88 (-B) | 4TNV84T (-B) | 4TNV88 (-B) |
|--------------------------------------|--|-------------------------|---------------------|---------------------|-------------------|
| Combustion | Direct injection (DI) | | | | |
| No. of Cylinders | 3 | | | 4 | |
| Bore x Stroke | mm Φ82 x 84 | Φ84 x 90 | Φ88 x 90 | Φ84 x 90 | Φ88 x 90 |
| Displacement | liter 1.331 | 1.496 | 1.642 | 1.995 | 2.190 |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 3000 | 3000 | 3000 |
| | Output | kW[hp] | 21.9 [29.4] | 29.1 [39.0] | 27.1 [26.3] |
| Dry mass (Back plate / Bell housing) | kg 111/128 | | 150/159 | 138/148 | 165/170 |
| Dimensions | Length x Width x Height mm 528.5 x 498.5 x 561 | | 615.7 x 517.5 x 652 | 564.5 x 517.5 x 622 | 655 x 517.5 x 685 |

| Engine Model | 4TNV94L (-B) | 4TNV98(-Z) | 4TNV98T(-Z) | 4TNV106 | 4TNV106T |
|--------------------------------------|--|-------------------------|-----------------|-----------------|-----------------|
| Combustion | Direct injection (DI) | | | | |
| No. of Cylinders | 4 | | | | |
| Bore x Stroke | mm Φ94 x 110 | Φ98 x 110 | | | Φ106 x 125 |
| Displacement | liter 3.053 | 3.319 | | | 4.412 |
| Maximum Rated Output | Engine Speed | min ⁻¹ (rpm) | 2500 | 2500 | 2500 |
| | Output | kW[hp] | 43.0 [57.7] | 51.1 [68.5] | 62.5 [83.8] |
| Dry mass (Back plate / Bell housing) | kg -/235 | | -/235 | -/245 | -/320 |
| Dimensions | Length x Width x Height mm 719 x 496 x 717 | | 719 x 496 x 717 | 719 x 574 x 784 | 890 x 628 x 820 |

DIESEL ENGINE [2~4 cylinders]



TNMseries Power Pack



SPECIFICATIONS

| Model | 3TNM68 Power Pack | | | | | | | |
|---|---|------------|--------|-------------|-------------|-----------|-----------|-----------|
| Engine Speed | min ⁻¹ (rpm) | 3600 | 3000 | 1800 | 1500 | | | |
| Industrial use -ASA, ASA2, ASA3 | Intermittent | NET | kW[hp] | 14.1 [18.9] | — | — | — | |
| | | Gross | kW | 14.7 | — | — | — | |
| Rated Output | Generator use -HGE(3000/3600) -GGE(1500/1800) | Stand-by | NET | kW[hp] | 14.2 [19.0] | 12 [16.1] | 7.3 [9.8] | 6.1 [8.2] |
| | | | Gross | kW | 15.2 | 12.6 | 7.4 | 6.2 |
| | Continuous | NET | kW[hp] | 12.9 [17.3] | 10.9 [14.6] | 6.6 [8.8] | 5.5 [7.4] | |
| | | Gross | kW | 13.9 | 11.5 | 6.7 | 5.6 | |
| Applicable generator capacity | Continuous | Stand-by | kVA | 15.1 | 12.5 | 7.5 | 5.9 | |
| | | Continuous | kVA | 13.6 | 11.4 | 6.5 | 5.3 | |
| Dry mass (back plate / SAE#6 bell housing / SAE#5 bell housing) | kg 91/100/104 | | | | | | | |
| Dimensions (back plate) | Length x Width x Height mm 758 x 474 x 668 | | | | | | | |

TNVseries Power Pack



Genepack A

Genepack B

ENGINE SPEC. SELECTION CODE

| Power Pack Group | Application | 3TNV 70 | 3TNV 76 | 3TNV 88(-B) | 4TNV 88(-B) | 4TNV 98(-Z) | 4TNV 98T(-Z) |
|------------------|-------------------------------|---------|---------|-------------|-------------|-------------|--------------|
| Group A | General industrial use | — | -CS | -DS | -DS | -NS | -NS |
| | Generator use (open type) | 4-pole | — | -GA | -GA | -GA | -GA |
| Group B | Generator use (enclosed type) | 2-pole | -HB | -HB | — | — | — |
| | | 4-pole | — | -GB | -GB | -GB | -GB |

OUTPUT & DIMENSIONS / Industrial use

| Engine Model | 3TNV76 | 3TNV88(-B) | 4TNV88(-B) | 4TNV98(-Z) | 4TNV98T(-Z) |
|--------------|----------------------------|------------|------------|------------|-------------|
| Code | -CS | -DS | -DS | -NS | -NS |
| Rated Output | kW/min ⁻¹ (rpm) | 18.7/3200 | 26.8/3000 | 35.4/3000 | 50.7/2500 |
| Weight | kg | 128 | 181 | 211 | 280 |
| | Length mm | 814 | 821 | 1002 | 1041 |
| Dimensions | Width mm | 514 | 609 | 609 | 703 |
| | Height mm | 696 | 792 | 824 | 940 |

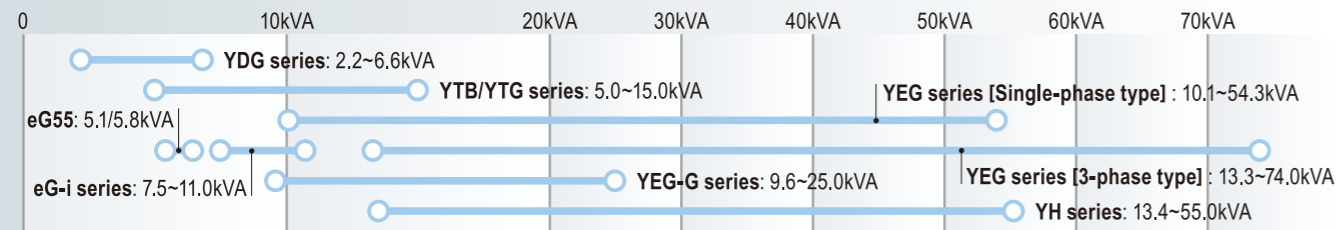
OUTPUT & DIMENSIONS / Generator use

| Engine Model | 3TNV70 | 3TNV76 | 3TNV76 | 3TNV88(-B) | 4TNV88(-B) | 4TNV98(-Z) | 4TNV98T(-Z) | |
|-------------------------------|--------------------------|--------|--------|------------|------------|------------|-------------|--|
| Code | -HB | -HB | -GA | -GB | -GA | -GB | -GA | |
| No. of Poles | 2-pole | | | | 4-pole | | | |
| Frequency | Hz | 50 | 60 | 50 | 60 | 50 | 60 | |
| | @min ⁻¹ (rpm) | 3000 | 3600 | 3000 | 3600 | 1500 | 1800 | |
| Engine Output | Prime power rating | kW | 12.1 | 14.5 | 15.1 | 17.7 | 8.2 | |
| | Rated output | kW | 13.3 | 16.0 | 16.5 | 19.5 | 9.0 | |
| Applicable Generator Capacity | Prime power rating | kVA | 12.4 | 15.0 | 16.0 | 18.4 | 8.4 | |
| | Rated output | kVA | 13.6 | 16.6 | 17.1 | 20.2 | 9.2 | |
| Weight | kg | 115 | 125 | 122 | 125 | 180 | 175 | |
| | Length mm | 798 | 814 | 745 | 814 | 821 | 875 | |
| Dimensions | Width mm | 518 | 518 | 518 | 518 | 609 | 609 | |
| | Height mm | 683 | 694 | 696 | 672 | 792 | 731 | |

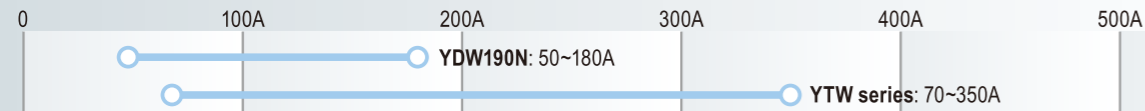
Note:When specification varies,the above engine speed and rated output will vary accordingly.



GENERATOR OUTPUT



WELDER RATED CURRENT



WATER COOLED DIESEL BRUSHLESS GENERATORS

YTB/YTG series

Generator Capacity 5.0~15.0kVA

- Horizontal cylinder, 4-cycle, water cooled diesel engine generator.
- Brushless, self-exciting.
- Single phase / 2-wire and 3-phase / 4-wire.
- Open frame type.



SPECIFICATIONS

| Model | YTB5.0S | YTG5.0S | YTG6.5S | YTG10S | YTG5.0T | YTG6.5T | YTG9.0T | YTG12.5T | YTG15T | | |
|--------------|---|----------|--|------------------|-----------|---------|----------|----------|-----------|-----------|-----|
| Generator | Brushless, self-excitation system | | | | | | | | | | |
| Type | Available in either 50Hz or 60Hz | | | | | | | | | | |
| Frequency | Available in either 50Hz or 60Hz | | | | | | | | | | |
| Capacity | kVA/kW | 5.0/5.0 | 5.0/5.0 | 6.5/6.5 | 10.0/10.0 | 5.0/4.0 | 6.5/5.2 | 9.0/7.2 | 12.5/10.0 | 15.0/12.0 | |
| No. of phase | Single phase (2 wire) | | | 3 phase (4 wire) | | | | | | | |
| Engine | Horizontal, 4-cycle, water-cooled diesel engine | | | | | | | | | | |
| Type | Horizontal, 4-cycle, water-cooled diesel engine | | | | | | | | | | |
| Model | TF90M | TF90M | TF120M | TF160M | TF70M | TF90M | TF120M | TF160M | TF190R | | |
| Rated output | hp/min ⁻¹ (rpm) | 9.5/2400 | 9.5/2400 | 12/2400 | 16/2400 | 7/2400 | 9.5/2400 | 12/2400 | 16/2400 | 19/2200 | |
| Unit | Dry mass | kg | 189(Manual start) 200(Electric start) | 170 | 180 | 307 | 178 | 198 | 243 | 318 | 388 |

WATER COOLED DIESEL WELDERS

YTW series

Welder Rated Current 70A~350A

- Horizontal cylinder, 4-cycle, water cooled diesel engine welder.
- Brushless, self-exciting.
- High frequency welder (220Hz) making ark as stable as that of DC welder.



SPECIFICATIONS

| Model | YTW-180 | YTW-250 | YTW-300 | YTW-350 | | |
|------------------------|----------------------------|-----------------|------------|-------------|-------------|-----|
| A.C. Generator | Horizontal, 4-cycle | | | | | |
| Rated current | A | 150 | 230 | 280 | 320 | |
| Welding current | A | 70-180 | 70-250 | 70-300 | 70-350 | |
| Rated voltage | V | 28 | 32 | 34 | 36 | |
| Welding rod size | mm | 2.6-4.0 | 2.6-5.0 | 2.6-6.0 | | |
| Auxiliary power (220V) | kW | 1.0 (220-240Hz) | | 1.5 (225Hz) | 2.0 (225Hz) | |
| Engine | Horizontal, 4-cycle | | | | | |
| Model | TF120(E) | TF160(E) | TS190R(S) | TS230R(E) | | |
| Type | Horizontal, 4-cycle | | | | | |
| Cont. rating output | kW/min ⁻¹ (rpm) | 7.4/ 2400 | 10.3/ 2400 | 11.8/ 2200 | 14.0/ 2200 | |
| Unit | Dry mass | kg | 220 | 290 | 355 | 400 |

AIR COOLED DIESEL GENERATORS

YDG series

Generator Max. Capacity 2.2~6.0kVA

- 4-cycle, air cooled diesel engine generator.
- Open frame type.
- Voltage selection available from 120 to 240V for single phase models.



SPECIFICATIONS

| Model | YDG2700N | YDG3700N | YDG5500N | YDG6600TN | | | | | |
|---------------------|---|---------------|-----------------------------|-----------------------------|------------------------------|-------------------|----------|----------|----------|
| Generator | Revolving field type 2 pole generator | | | | | | | | |
| Type | Revolving field type 2 pole generator | | | | | | | | |
| Frequency | Hz | 50 | 60 | 50 | 60 | | | | |
| Max. AC output | kVA | 2.2 | 2.7 | 3.2 | 3.7 | 4.6 | 5.5 | 6.6 | |
| No. of phase | Single phase | | | 3-phase (single) | | | | | |
| Model | L48N5/6-G(E)Y | L70N5/6-G(E)Y | L100N5/6-G(E)Y | L100N5/6-GEYT | | | | | |
| Engine | Vertical, 4-cycle, air-cooled diesel engine | | | | | | | | |
| Type | Vertical, 4-cycle, air-cooled diesel engine | | | | | | | | |
| Cont. rating output | kW/min ⁻¹ (rpm) | 2.8/3000 | 3.1/3600 | 4.1/3000 | 4.4/3600 | 5.7/3000 | 6.6/3600 | 5.7/3000 | 6.6/3600 |
| Unit | Dry mass (Starting system) | kg | 55 (Recoil) / 64 (Electric) | 70 (Recoil) / 82 (Electric) | 95 (Recoil) / 108 (Electric) | -/ 108 (Electric) | | | |

AIR COOLED DIESEL PUMPS

YDP series

Pump Max. Capacity 500~2100lit./min.

- 4-cycle, air-cooled diesel engine pump.
- 4 type available - fresh water / semi-trash / trash / diaphragm.
- Semi-trash pump handles water with gravel and trash below 20 mm dia.
- Trash pump handles water containing 20-31 mm dia. gravel.
- Diaphragm pump handles high viscosity fluid or water with 25-31 mm dia. gravel and sludge.



SPECIFICATIONS

| Type | Fresh water pump | | | Semi-trash pump | | | Trash pump | | | Diaphragm pump | | | |
|-------------|------------------------------------|--------|--------|-----------------|----------|----------|------------|---------|---------|----------------|---------|----|----|
| Model | YDP20N | YDP30N | YDP40N | YDP20STN | YDP30STN | YDP40STN | YDP20TN | YDP30TN | YDP40TN | YDP20DN | YDP30DN | | |
| Pump | 4-stroke, air cooled diesel engine | | | | | | | | | | | | |
| Type | 4-stroke, air cooled diesel engine | | | | | | | | | | | | |
| Max. output | 3.5/3600 | | | 4.9/3600 | | | 3.5/3600 | | | 4.9/3600 | | | |
| Unit | Dry mass | kg | 40 | 42 | 59 | 39 | 40 | 56 | 56 | 72 | 109 | 53 | 60 |

AIR COOLED DIESEL WELDER GENERATOR

YDW series

Current Range 50~180A

- 4-cycle, air cooled diesel engine welder-generator.
- Rectified DC welder with revolving field type AC generator.



YDW190N

SPECIFICATIONS

| Model | YDW190N | | |
|----------------------|--|-------------|-----|
| | Recoil | Dual start | |
| Welder | 4.37 | | |
| Rated output | kW | | |
| Rated current | A | | |
| Rated voltage | V | | |
| Applicable electrode | mm(in.)φ | | |
| A.C. generator | 2.3 (50Hz) / 2.7 (60Hz) | | |
| Rated output | kW | | |
| Engine | Single cylinder, vertical, 4-cycle, air-cooled diesel engine | | |
| Type | Single cylinder, vertical, 4-cycle, air-cooled diesel engine | | |
| Model | L100N6-GYW | L100N6-GEYW | |
| Max. output | kW(hp)/min ⁻¹ (rpm) | | |
| Unit | 7.4(10.0)/3600 | | |
| Dry mass | kg | 107 | 120 |

AIR COOLED DIESEL GENERATORS

eG55

[2-Pole, Single-phase, Silent type]

Generator Output 5.1/5.8kVA

- 4-cycle, air cooled diesel engine generator.
- Silent type available.
- Voltage selection available from 110,220,230,240V for single phase models.



SPECIFICATIONS

| Model | | eG55N | | | |
|-----------|----------------------------|---------------------------------------|-------------------|--------|----------|
| Generator | Type | Self exciting, field rotating, AVR | | | |
| | Frequency | Hz | 50 | | 60 |
| | Max. AC output | kVA | 5.1 | | 5.8 |
| | No. of phase | Single phase | | | |
| Engine | Model | L100N5 | | L100N6 | |
| | Type | Vertical, air-cooled, 4-stroke diesel | | | |
| | Cont. rating output | kW/min ⁻¹ (rpm) | 5.7/3000 | | 6.6/3600 |
| | Starting system / motor | (V-kW) | Electric / 12-0.8 | | |
| Unit | Dry mass (Starting system) | kg | 171 (Electric) | | |

WATER COOLED DIESEL GENERATORS

YH series

[4-Pole, Three-phase, Silent type]

Generator Output 13.4~54.7kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- 3-phase 4-wire, voltage selection available from 220 to 415V.
- Silent type available.



SPECIFICATIONS

| Model | | YH170DTLS | | YH220DTLS | | YH280DTLS | | YH440DTLS | | YH550DTLS | | | |
|----------------|-------------------------|---------------------------------------|------|-------------|-----------|--------------|-----------|-------------|-----------|--------------|-----------|-----------|-----------|
| Frequency | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | | |
| Generator | Output | Stand-by power rating | kVA | 13.4 | 16.0/16.5 | 18.5 | 21.3/23.1 | 22.0 | 26.6/28.4 | 36.9 | 43.5/44.4 | 45.0 | 47.8/54.7 |
| | | | kW | 10.7 | 12.8/13.2 | 14.8 | 17.0/18.5 | 17.6 | 21.3/22.7 | 29.5 | 34.8/35.5 | 36.0 | 38.2/43.8 |
| | Prime power rating | kVA | 12.5 | 14.9/15.1 | 17.1 | 19.8/20.9 | 20.2 | 24.7/25.8 | 33.4 | 39.6/39.9 | 41.3 | 45.0/49.7 | |
| | | kW | 10.0 | 11.9/12.1 | 13.7 | 15.8/16.7 | 16.2 | 19.8/20.6 | 26.7 | 31.7/31.9 | 33.0 | 36.0/39.8 | |
| Phase and wire | | 3-phase, 4-wire | | | | | | | | | | | |
| Excitation | | Brushless (with damper coil) AVR | | | | | | | | | | | |
| Engine | Model | 3TNV88-GGEH | | 4TNV88-GGEH | | 4TNV84T-GGEH | | 4TNV98-GGEH | | 4TNV98T-GGEH | | | |
| | Type | Vertical, air-cooled, 4-stroke diesel | | | | | | | | | | | |
| | Cont. rating output | kW | 12.2 | 14.7 | 16.4 | 19.6 | 19.1 | 24.2 | 30.7 | 36.4 | 37.7 | 45.3 | |
| | Rated output | kW | 13.2 | 16.2 | 18.0 | 21.6 | 21.0 | 26.8 | 34.1 | 40.8 | 41.4 | 50.1 | |
| Revolutions | min ⁻¹ (rpm) | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | | |
| Unit | Dry mass | kg | 691 | | 870 | | 885 | | 950 | | 960 | | |

WATER COOLED DIESEL GENERATORS

YEG series

[Single-phase type] Generator Output 10.1/54.3kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- Single-phase 2-wire or 3-wire, voltage selection available from 110 to 240V.
- Canopy type and Silent type available.



YEG200DSHS



YEG300DSHC



YEG170DSLC



YEG450DLSL

SPECIFICATIONS: Single-phase / 2-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

| Model*1 | Canopy type | | YEG150DSHC | | YEG200DSHC | | YEG300DSHC | | YEG400DSHC | | YEG500DSHC | |
|----------------|-------------------------|---|----------------------------------|------|--------------|------|-------------|------|-------------|------|--------------|------|
| | Silent type | | YEG150DSHS | | YEG200DSHS | | YEG300DSHS | | YEG400DSHS | | YEG500DSHS | |
| Frequency | | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz |
| Generator | Output | Stand-by power rating | kVA | 10.1 | 12.2 | 12.8 | 15.2 | 19.2 | 22.3 | 26.6 | 30.4 | 34.3 |
| | | Prime power rating | kVA | 10.1 | 12.2 | 12.8 | 15.2 | 19.2 | 22.3 | 26.6 | 30.4 | 34.3 |
| | | | kW | 9.1 | 11.0 | 11.7 | 13.8 | 17.5 | 20.3 | 24.1 | 28.0 | 30.4 |
| Phase and wire | | | Single-phase, Two-wire | | | | | | | | | |
| Excitation | | | Brushless (with damper coil) AVR | | | | | | | | | |
| Engine | Model*2 | Canopy type | 3TNV70-HGB2C | | 3TNV76-HGB2C | | 3TNE84-GB2C | | 4TNE84-GB2C | | 4TNE84T-GB2C | |
| | | Silent type | 3TNV70-HGB2B | | 3TNV76-HGB2B | | 3TNE84-GB2B | | 4TNE84-GB2B | | 4TNE84T-GB2B | |
| | Type | Vertical, 4-cycle, water-cooled diesel engine | | | | | | | | | | |
| | Cont. rating output | kW | 12.1 | 14.5 | 15.1 | 17.7 | 22.4 | 26.1 | 29.9 | 34.7 | 37.1 | |
| Rated output | kW | 13.3 | 16 | 16.5 | 19.5 | 24.6 | 28.7 | 32.9 | 38.2 | 41.2 | | |
| Revolutions | min ⁻¹ (rpm) | 3000 | 3600 | 3000 | 3600 | 3000 | 3600 | 3000 | 3600 | 3000 | 3600 | |
| Unit | Dry mass | Canopy type | kg | 300 | | 310 | | 430 | | 480 | | 500 |
| | | Silent type | kg | 400 | | 435 | | 585 | | 685 | | 715 |

SPECIFICATIONS: Single-phase / 4-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

| Model*1 | anopy type | | YEG170DLSL | | YEG230DLSL | | YEG450DLSL | | - | | - | |
|----------------|-------------------------|---|----------------------------------|------|--------------|------|--------------|------|---------------|------|----------------|------|
| | Silent type | | YEG170DLSL | | YEG230DLSL | | YEG450DLSL | | YEG650DLSL | | YEG750DLSL | |
| Frequency | | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz |
| Generator | Output | Stand-by power rating | kVA | 10.8 | 13.0 | 14.4 | 17.3 | 28.2 | 33.5 | 38.6 | 45.5 | 54.3 |
| | | Prime power rating | kVA | 10.8 | 13.0 | 14.4 | 17.3 | 28.2 | 33.5 | 38.6 | 45.5 | 54.3 |
| | | | kW | 9.8 | 11.8 | 13.1 | 15.7 | 25.2 | 29.8 | 35.1 | 41.3 | 41.5 |
| Phase and wire | | | Single-phase, Two-wire | | | | | | | | | |
| Excitation | | | Brushless (with damper coil) AVR | | | | | | | | | |
| Engine | Model*2 | Canopy type | 3TNV88-GGB1C | | 4TNV88-GGB1C | | 4TNV98-GGB1C | | - | | - | |
| | | Silent type | 3TNV88-GGB1B | | 4TNV88-GGB1B | | 4TNV98-GGB1B | | 4TNV106-GGB1B | | 4TNV106T-GGB1B | |
| | Type | Vertical, 4-cycle, water-cooled diesel engine | | | | | | | | | | |
| | Cont. rating output | kW | 12.2 | 14.9 | 16.5 | 19.9 | 30.7 | 36.4 | 44.9 | 53.3 | 51.4 | 61.5 |
| Rated output | kW | 13.4 | 16.4 | 18.2 | 21.9 | 34.1 | 40.8 | 49.4 | 58.7 | 56.6 | 67.7 | |
| Revolutions | min ⁻¹ (rpm) | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | |
| Unit | Dry mass | Canopy type | kg | 440 | | 515 | | 715 | | - | | - |
| | | Silent type | kg | 575 | | 635 | | 890 | | 1210 | | 1230 |

WATER COOLED DIESEL GENERATORS

YEG series

[3-phase type] Generator Output 13.3~74.0kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- 3-phase 4-wire, voltage selection available from 220 to 415V.
- Canopy type and Silent type available.



YEG200DTHS



YEG300DTHC



YEG170DTLC



YEG450DTLS

SPECIFICATIONS: 3-phase / 2-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

| Model*1 | Canopy type | | YEG150DTHC | | YEG200DTHC | | YEG300DTHC | | YEG400DTHC | | YEG500DTHC | | |
|----------------|---------------------|-------------------------|---|------|--------------|------|-------------|------|-------------|------|--------------|------|--|
| | Silent type | | YEG150DTHS | | YEG200DTHS | | YEG300DTHS | | YEG400DTHS | | YEG500DTHS | | |
| Generator | Frequency | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | | |
| | Output | Stand-by power rating | kVA | 13.3 | 16 | 16.9 | 20 | 25.2 | 29.4 | 35 | 40.1 | 45.2 | |
| | | | kW | 10.6 | 12.8 | 13.5 | 16 | 20.1 | 23.5 | 28 | 32 | 36.1 | |
| | Prime power rating | kVA | 12 | 14.5 | 15.3 | 18.2 | 23 | 26.8 | 31.8 | 36.9 | 40 | | |
| kW | | 9.6 | 11.6 | 12.3 | 14.5 | 18.4 | 21.4 | 25.4 | 29.5 | 32 | | | |
| Phase and wire | | | 3-phase, 4-wire | | | | | | | | | | |
| Excitation | | | Brushless (with damper coil) AVR | | | | | | | | | | |
| Engine | Model*2 | | 3TNV70-HGB2C | | 3TNV76-HGB2C | | 3TNE84-GB2C | | 4TNE84-GB2C | | 4TNE84T-GB2C | | |
| | Silent type | | 3TNV70-HGB2B | | 3TNV76-HGB2B | | 3TNE84-GB2B | | 4TNE84-GB2B | | 4TNE84T-GB2B | | |
| Type | | | Vertical, 4-cycle, water-cooled diesel engine | | | | | | | | | | |
| Engine | Cont. rating output | kW | 12.1 | 14.5 | 15.1 | 17.7 | 22.4 | 26.1 | 29.9 | 34.7 | 37.1 | | |
| | Rated output | kW | 13.3 | 16 | 16.5 | 19.5 | 24.6 | 28.7 | 32.9 | 38.2 | 41.2 | | |
| | Revolutions | min ⁻¹ (rpm) | 3000 | 3600 | 3000 | 3600 | 3000 | 3600 | 3000 | 3600 | 3000 | | |
| Unit | Dry mass | Canopy type | 300 | | 310 | | 430 | | 480 | | 500 | | |
| | | Silent type | 400 | | 435 | | 585 | | 685 | | 715 | | |

SPECIFICATIONS: 3-phase / 4-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

| Model*1 | Canopy type | | YEG170DTLC | | YEG230DTLC | | YEG450DTLC | | - | | - | | |
|----------------|---------------------|-------------------------|---|------|--------------|------|--------------|------|---------------|------|----------------|------|------|
| | Silent type | | YEG170DTLS | | YEG230DTLS | | YEG450DTLS | | YEG650DTLS | | YEG750DTLS | | |
| Generator | Frequency | | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | |
| | Output | Stand-by power rating | kVA | 13.8 | 16.7 | 18.7 | 22.7 | 37.4 | 44.4 | 54.1 | 64.1 | 62.0 | 74.0 |
| | | | kW | 11.1 | 13.4 | 14.9 | 18.1 | 29.9 | 33.5 | 43.3 | 51.3 | 49.6 | 59.2 |
| | Prime power rating | kVA | 12.6 | 15.2 | 17.0 | 20.6 | 33.4 | 39.6 | 49.2 | 58.3 | 56.2 | 67.2 | |
| kW | | 10.1 | 12.1 | 13.6 | 16.5 | 26.7 | 31.7 | 39.3 | 46.6 | 45.0 | 53.8 | | |
| Phase and wire | | | 3-phase, 4-wire | | | | | | | | | | |
| Excitation | | | Brushless (with damper coil) AVR | | | | | | | | | | |
| Engine | Model*2 | | 3TNV88-GGB1C | | 4TNV88-GGB1C | | 4TNV98-GGB1C | | - | | - | | |
| | Silent type | | 3TNV88-GGB1B | | 4TNV88-GGB1B | | 4TNV98-GGB1B | | 4TNV106-GGB1B | | 4TNV106T-GGB1B | | |
| Type | | | Vertical, 4-cycle, water-cooled diesel engine | | | | | | | | | | |
| Engine | Cont. rating output | kW | 12.2 | 14.9 | 16.5 | 19.9 | 30.7 | 36.4 | 44.9 | 53.3 | 51.4 | 61.5 | |
| | Rated output | kW | 13.4 | 16.4 | 18.2 | 21.9 | 34.1 | 40.8 | 49.4 | 58.7 | 56.6 | 67.7 | |
| | Revolutions | min ⁻¹ (rpm) | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | 1500 | 1800 | |
| Unit | Dry mass | Canopy type | 440 | | 515 | | 715 | | - | | - | | |
| | | Silent type | 575 | | 635 | | 890 | | 1210 | | 1230 | | |

WATER COOLED DIESEL GENERATOR

eG-i series Inverter

Generator Output 7.5~11.0kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- Single-phase 2-wire, voltage available 240V.



eG100i

SPECIFICATIONS

| Model | | eG100i | | eG140i | |
|----------------|---------------------|---|----------------------|-------------|-------------|
| Frequency | | 50Hz / 60Hz | | 50Hz / 60Hz | |
| Generator | Output | Stand-by power rating | kVA | 7.5 | 11.0 |
| | | | kW | 7.5 | 11.0 |
| | Prime power rating | kVA | 7.0 | 10.0 | |
| | | kW | 7.0 | 10.0 | |
| Phase and wire | | | Single-phase, 2-wire | | |
| Excitation | | | PMG type | | |
| Model | | 2TNV70-ASG | | 3TNM68-ASG | |
| Type | | Vertical, 4-cycle, water-cooled diesel engine | | | |
| Engine | Cont. rating output | kW/min ⁻¹ (rpm) | 8.5 / 3600 | | 12.5 / 3600 |
| | Rated output | kW/min ⁻¹ (rpm) | 9.3 / 3600 | | 13.8 / 3600 |
| | Revolutions | min ⁻¹ (rpm) | 2300~3400 | | |
| Unit | Dry mass | kg | 257 | 281 | |

GAS ENGINE GENERATORS

YEG-G series

Generator Output 9.6~25.2kVA

- Brushless with new AVR.
- 4-cycle, water cooled gas engine generator.
- 3-phase 4-wire, voltage available 380V.



YEG160NTLC

SPECIFICATIONS

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

| Model*1 | Canopy type | | YEG160NTLC | YEG160PTLC | YEG160NSLC | YEG160PSLC | YEG250NTHC | YEG250PTHC | YEG250NSHC | YEG250PSHC | |
|----------------|---------------------|-------------------------|--|-------------|---------------------------|-------------|-----------------|-------------|---------------------------|-------------|--|
| | Silent type | | YEG160NTLS | YEG160PTLS | YEG160NSLS | YEG160PSLS | YEG250NTHS | YEG250PTHS | YEG250NSHS | YEG250PSHS | |
| Generator | Frequency | | 50Hz / 60Hz | | | | 50Hz | | | | |
| | Output | Stand-by power rating | kVA | 12.6/15.2 | | 9.6/11.5 | | 25.2 | | 19.2 | |
| | | | kW | 10.1/12.1 | | 8.8/10.6 | | 20.1 | | 17.5 | |
| | Prime power rating | kVA | 11.6/13.9 | | 8.8/10.6 | | 23.0 | | 17.5 | | |
| kW | | 9.3/11.1 | | 8.8/10.6 | | 18.4 | | 17.5 | | | |
| Phase and wire | | | 3-phase, 4-wire | | Single phase, 2 or 3 wire | | 3-phase, 4-wire | | Single phase, 2 or 3 wire | | |
| Excitation | | | Brushless (with damper coil) AVR | | | | | | | | |
| Engine | Model*2 | | 3GP88-GB1NC | | 3GP88-GB1PC | | 3GP88-GB2NC | | 3GP88-GB2PC | | |
| | Silent type | | 3GP88-GB1NB | | 3GP88-GB1PB | | 3GP88-GB2NB | | 3GP88-GB2PB | | |
| Type | | | Vertical, 4-cycle, water-cooled gas engine | | | | | | | | |
| Engine | Cont. rating output | kW | 11.3/13.6 | | | | 22.3 | | | | |
| | Rated output | kW | 12.3/14.8 | | | | 24.5 | | | | |
| | Revolutions | min ⁻¹ (rpm) | 1500/1800 | | | | 3000 | | | | |
| Fuel | | | Natural gas | Propane gas | Natural gas | Propane gas | Natural gas | Propane gas | Natural gas | Propane gas | |
| Unit | Dry mass | kg | 430 (Canopy type) · 565 (Silent type) | | | | | | | | |