

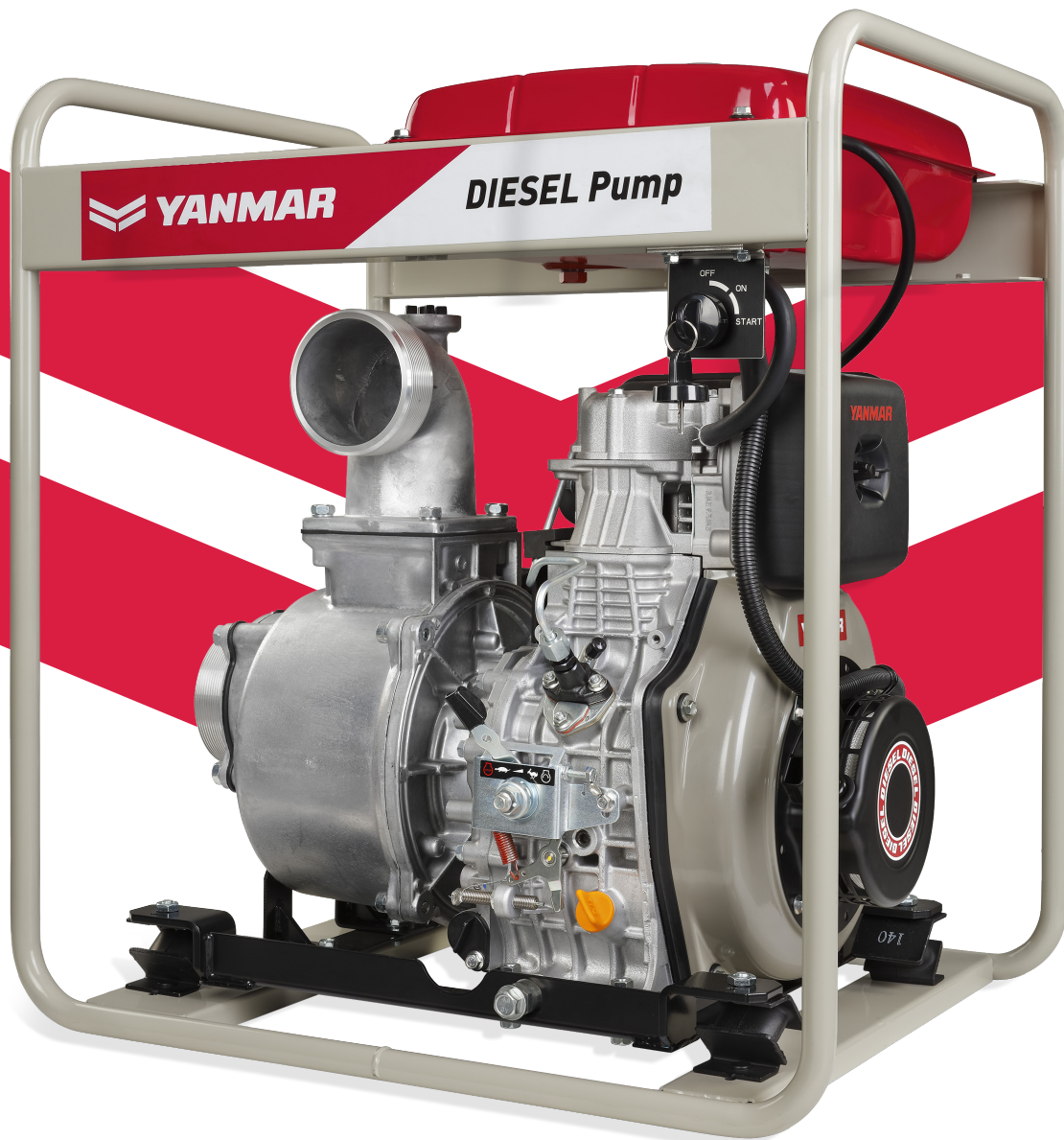


YANMAR

YDP SERIES

Portable Diesel Pumps

A new era in diesel pump technology – 44 models and up to 1.750 ltr/min



YANMAR

A century of heritage and quality

Key Features of the YDP-series

Compact and portable design

Compact and available with optional wheelkit for quick and easy movement from job to job

Suction & Disport Charge Ø

Depending on model available in the size 50mm (2"), 80mm (3") and 100mm (4")

Cast iron and cast steel components

Provides durability and reliability – even in the toughest conditions

Battery for electric start models

Easily start your pump with just a key switch

Suction Charge Ø

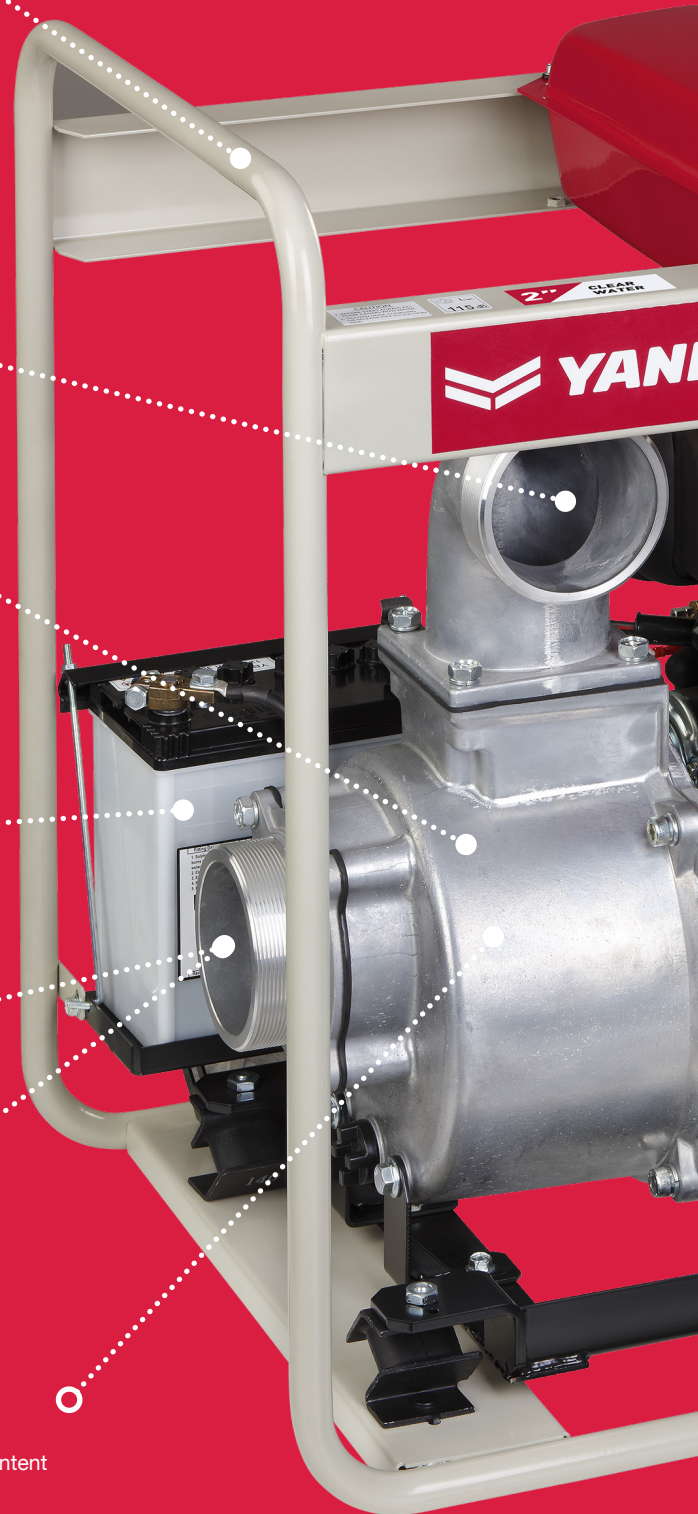
Depending on model available in the size 50mm (2"), 80mm (3") and 100mm (4")

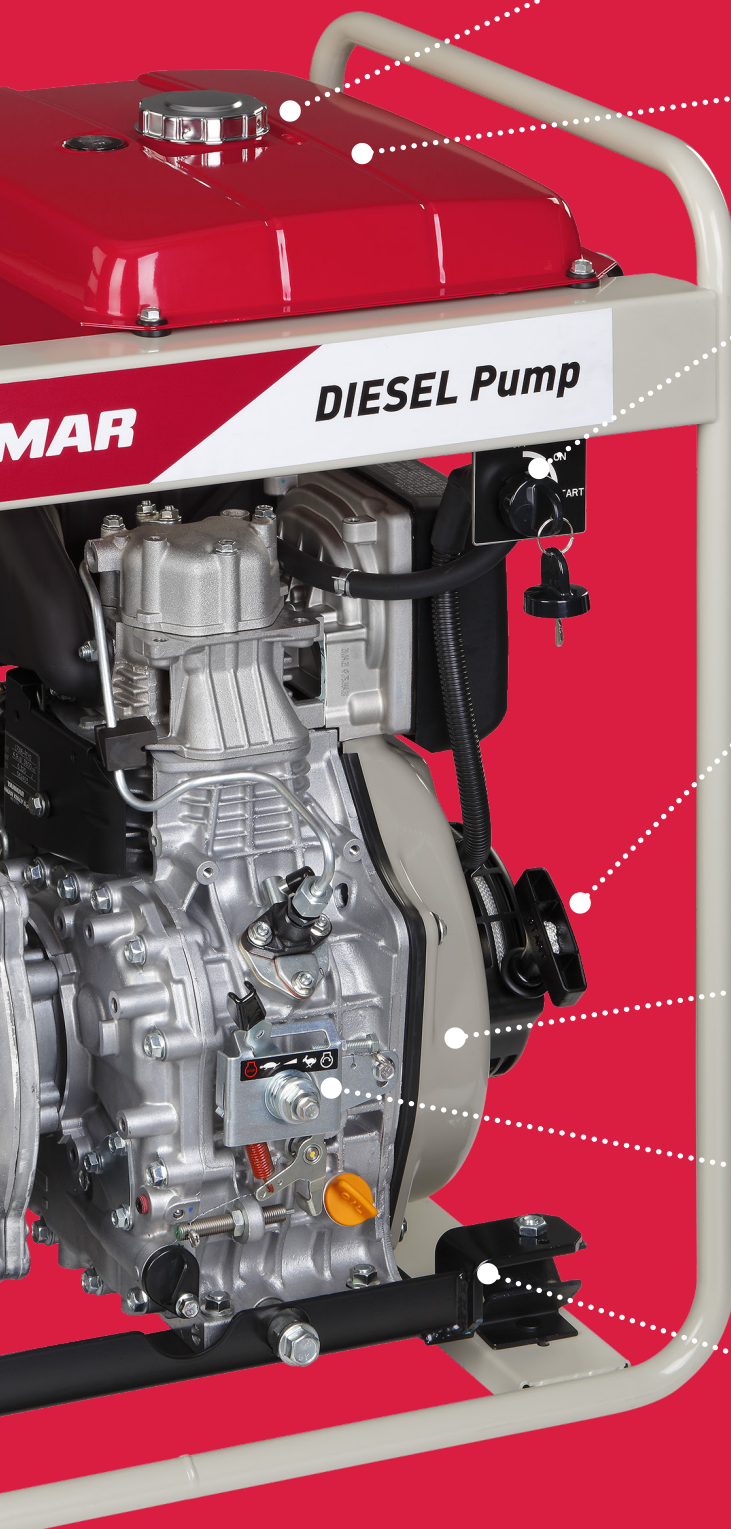
Suction Lift

Suction lift up to 7 meters

High outputs ranging from 500 up to 1.750 liters per minute

Versatile and able to pump liquids with varying characteristics and content from fresh water to liquid with significant amounts of debris





Standard large 13 litre fuel tank

○ With a larger than industry standard fuel tank providing continuous and longer running hours

8 Hours operating time*

○ On average over 8 hrs in full capacity pumping

Electric starting

○ Electric and recoil starting is available in all models ensuring easier starting for operators

Recoil start lever

○ Provides a reliable, easy-to-start pull option

Four stroke air cooled YANMAR diesel engine

○ Provides dependable, fuel-efficient power

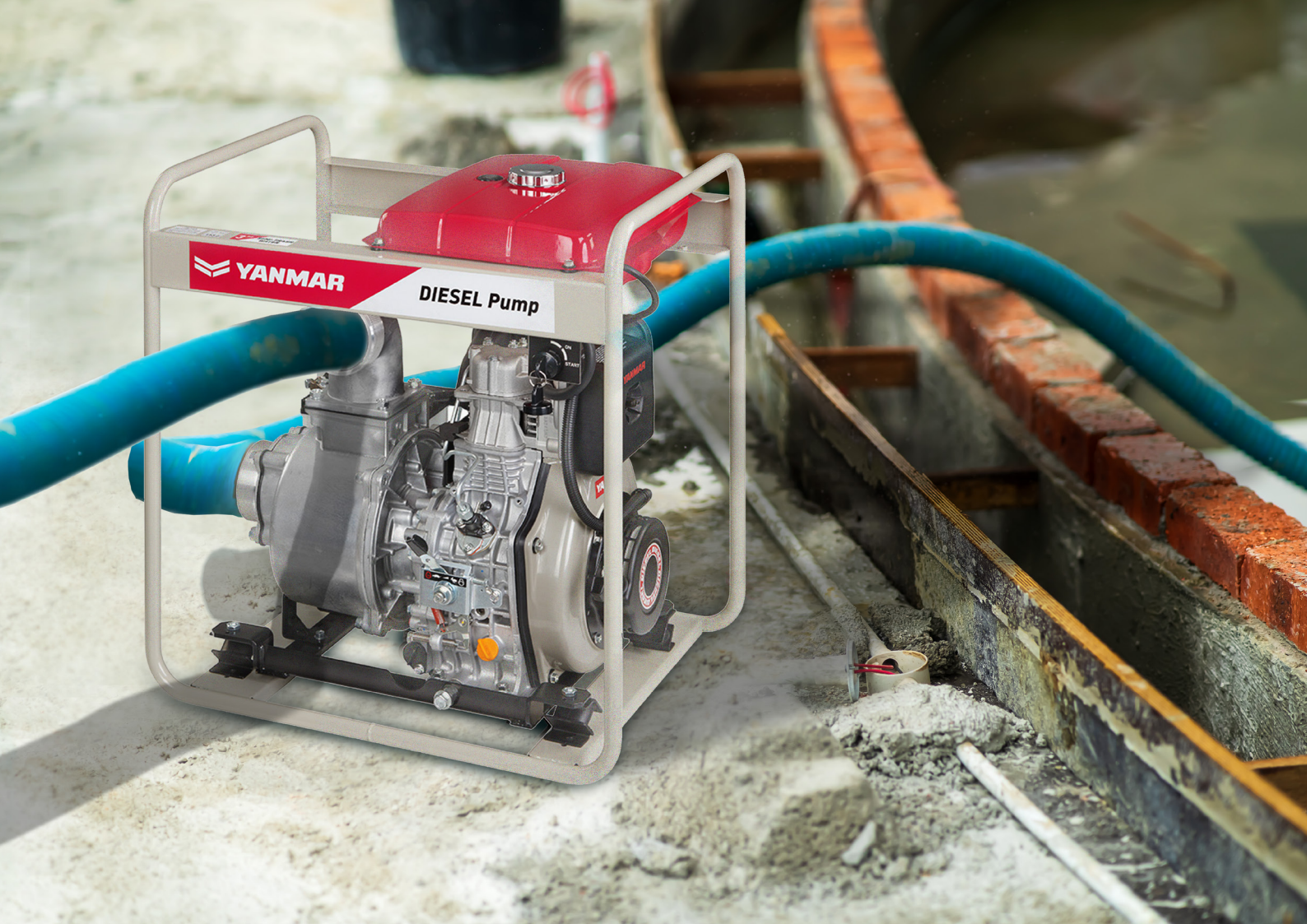
Speed control level

○ Easy control of the discharge volume

Anti-vibration platform

○ Reduces vibration and noise and can extend machine life

** Testing conducted by Yanmar, real world operating time may vary due to local circumstances and/or conditions*



- **A proven performer, now EU Stage-V compliant**

Having proved its credentials in some of the world's harshest working environments the enhanced and durable YDP Series of diesel pumps is now EU Stage-V and CE certified, bringing their performance excellence into Europe.

- **Industry-leading features including electric starting**

The durable and dependable new 44-model YDP Series offers a range of features aimed at increasing productivity and run-time including an advanced Yanmar engine, much larger than standard fuel tanks and electric starting.

- **Operator friendly**

The low noise, low vibration YDP pumps are easier than ever to maintain and are compact and simple to transport due to their optional wheel kit – and all supported by an attractive two-year warranty.

- **Low fuel consumption and versatile power outputs**

The cutting-edge, direct injection, four-stroke Yanmar engine ensures low fuel consumption. Available in a range of power outputs to suit numerous applications and varying content from fresh water to liquid with significant amounts of debris.

- **High performance and high output**

Each model boasts a high output ranging from 500 up to 1.750 liters per minute coupled with low noise and vibrations.

- **European-made**

The pumps are made at Yanmar's facility in Italy ensuring fast deliver and locally held parts for swift availability. Many parts are made from high quality cast iron and cast steel.

YDP-series: Pumping Perfection

The YDP Series provides industry-leading pumping capabilities for applications around the world. And as it is now EU Stage-V compliant and CE marked, the series meets the highest emissions standards globally. High quality components and a renowned Yanmar direct injection ensure optimal, low-cost performance backed by easy maintenance and a two-year warranty. And as the pumps are manufactured at a Yanmar facility in Europe your Yanmar support partner is there for swift back-up standards.

Buying guide

The YDP Series offers a wide choice able to suit your exact pumping needs.

STEP 1. IDENTIFY YOUR PUMPING NEEDS - WHERE ARE YOU BASED?

| | |
|--|---|
| Are you located in a <u>regulated</u> region where EU Stage-V or EPA Tier-4 compliance is needed? | Are you based in a less or <u>non-regulated</u> region where such compliance levels are not required?? |
| <input checked="" type="checkbox"/> Choose one of the brand-new EU Stage-V compliant or EPA Tier-4 YDP Yanmar pumps. | <input checked="" type="checkbox"/> You can choose a non-regulated model. |

STEP 2. WHAT TYPE OF WATER DO YOU NEED TO PUMP?

| | |
|---|---|
| <input checked="" type="checkbox"/> Is it Clean Water? | <input checked="" type="checkbox"/> All the models can handle fresh water. |
| <input checked="" type="checkbox"/> Is it Semi Trash Water? | <input checked="" type="checkbox"/> Semi trash pumps are typically used to pump clean or slightly muddy and sandy water. They are not designed to handle large solids or high concentrations of solids. |
| <input checked="" type="checkbox"/> Is it Trash Water? | <input checked="" type="checkbox"/> Trash pumps are designed to handle water containing debris and solids such as sludge, leaves, sand and mud. |

STEP 3. SIZE SUCTION & DISCHARGE PORTØ

| |
|--|
| <input checked="" type="checkbox"/> Depending on model, pump is equipped with a 50mm (2"), 80mm (4") or 100mm (4") port. |
|--|

STEP 4. MAXIMUM TOTAL HEAD

| |
|--|
| <input checked="" type="checkbox"/> Depending on model pump maximum total head ranges from 24 - 32 meter |
|--|

STEP 5. SELECT YOUR MODEL FROM THE SPECIFICATIONS TABLES

Specifications: Fresh Water Series

| Fresh Water Pumps (Emission: EU STAGE-V) | | | | | |
|--|------------------------------|------------------------------------|-----------------------------------|----------------------------|--------------------------------------|
| Model | | YDP20V(E) | YDP30V(E) | YDP40V(E) | |
| PUMP | Type | Self-priming pump | | | |
| | Suction & Discharge ø | mm (inch) | 50 (2") | 80 (3") | 100 (4") |
| | Maximum total head | m | 32 | 28 | 26.5 |
| | Suction lift | m | 7 | | |
| | Maximum capacity | ltr/min | 550 | 900 | 1300 |
| ENGINE | Model | L48V6V-PY12 (L48V6V-PEY12) | | L70V6V-PY12 (L70V6V-PEY12) | |
| | Type | 4-stroke, air cooled diesel engine | | | |
| | Displacement | cc | 219 | | 320 |
| | Maximum output | kW/rpm | 3.4/3600 | | 4.8/3600 |
| | Continuous output | kW/rpm | 3.1/3600 | | 4.3/3600 |
| | Starting system | Recoil / Electric | | | |
| | Fuel oil tank capacity | ltr | 13 (diesel) | | |
| UNIT | Dimensions LxWxH | mm | 530 x 484 x 637 (530 x 484 x 637) | | 630 x 484 x 727 (630 x 484 x 727) |
| | Dry weight Recoil (Electric) | kg | 46 (61) | 48 (63) | 62 (77) |

| Fresh Water Pumps (Emission: NON-REGULATED) | | | | | |
|---|------------------------------|------------------------------------|-----------------------------------|--------------------------|--------------------------------------|
| Model | | YDP20N(E) | YDP30N(E) | YDP40N(E) | |
| PUMP | Type | Self-priming pump | | | |
| | Suction & Discharge ø | mm (inch) | 50 (2") | 80 (3") | 100 (4") |
| | Maximum total head | m | 32 | 28 | 26.5 |
| | Suction lift | m | 7 | | |
| | Maximum capacity | ltr/min | 550 | 900 | 1300 |
| ENGINE | Model | L48N6-PY12 (L48N6-PEY12) | | L70N6-PY12 (L70N6-PEY12) | |
| | Type | 4-stroke, air cooled diesel engine | | | |
| | Displacement | cc | 219 | | 320 |
| | Maximum output | kW/rpm | 3.5/3600 | | 4.9/3600 |
| | Continuous output | kW/rpm | 3.1/3600 | | 4.4/3600 |
| | Starting system | Recoil / Electric | | | |
| | Fuel oil tank capacity | ltr | 13 (diesel) | | |
| UNIT | Dimensions LxWxH | mm | 530 x 484 x 637 (530 x 484 x 637) | | 630 x 484 x 727 (630 x 484 x 727) |
| | Dry weight Recoil (Electric) | kg | 44 (59) | 46 (61) | 62 (77) |

Specifications: Semi Trash-series

| Semi Trash Pumps (Emission: EU STAGE-V) | | | | | |
|---|------------------------------|------------------------------------|-----------------------------------|----------------------------|--------------------------------------|
| Model | | YDP20STV(E) | YDP30STV(E) | YDP40STV(E) | |
| PUMP | Type | Self-priming pump | | | |
| | Suction & Discharge ø | mm (inch) | 50 (2") | 80 (3") | 100 (4") |
| | Maximum total head | m | 22.5 | 23 | 25 |
| | Suction lift | m | 7 | | |
| | Maximum capacity | ltr/min | 550 | 850 | 1300 |
| ENGINE | Model | L48V6V-PSTYI2 (L48V6V-PESTYI2) | | L70V6V-PYI2 (L70V6V-PEYI2) | |
| | Type | 4-stroke, air cooled diesel engine | | | |
| | Displacement | cc | 219 | | 320 |
| | Maximum output | kW/rpm | 3.4/3600 | | 4.8/3600 |
| | Cont. Output | kW/rpm | 3.1/3600 | | 4.3/3600 |
| | Starting system | Recoil (Electric) | | | |
| | Fuel oil tank capacity | ltr | 13 (diesel) | | |
| UNIT | Dimensions LxWxH | mm | 530 x 484 x 637 (530 x 484 x 637) | | 630 x 484 x 727 (630 x 484 x 727) |
| | Dry weight Recoil (Electric) | kg | 46 (61) | 47 (63) | 61 (76) |

| Semi Trash Pumps (Emission: NON-REGULATED) | | | | | |
|--|------------------------------|------------------------------------|-----------------------------------|--------------------------|--------------------------------------|
| Model | | YDP20STN(E) | YDP30STN(E) | YDP40STN(E) | |
| PUMP | Type | Self-priming pump | | | |
| | Suction & Discharge ø | mm (inch) | 50 (2") | 80 (3") | 100 (4") |
| | Maximum total head | m | 22.5 | 23 | 25 |
| | Suction lift | m | 7 | | |
| | Maximum capacity | ltr/min | 550 | 850 | 1300 |
| ENGINE | Model | L48N6-PSTYI2 (L48N6-PESTYI2) | | L70N6-PYI2 (L70N6-PEYI2) | |
| | Type | 4-stroke, air cooled diesel engine | | | |
| | Displacement | cc | 219 | | 320 |
| | Maximum output | kW/rpm | 3.5/3600 | | 4.9/3600 |
| | Cont. Output | kW/rpm | 3.1/3600 | | 4.4/3600 |
| | Starting system | Recoil / Electric | | | |
| | Fuel oil tank capacity | ltr | 13 (diesel) | | |
| UNIT | Dimensions LxWxH | mm | 530 x 484 x 637 (530 x 484 x 637) | | 630 x 484 x 727 (630 x 484 x 727) |
| | Dry weight Recoil (Electric) | kg | 44 (59) | 45 (61) | 61 (76) |

Specifications: Trash-series

| Trash Pumps (emission: EU STAGE-V) | | | | | |
|------------------------------------|------------------------------|------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Model | | YDP20TV(E) | YDP30TV(E) | YDP40TV(E) | |
| PUMP | Type | Self-priming pump | | | |
| | Suction & Discharge ø | mm (inch) | 50 (2") | 80 (3") | 100 (4") |
| | Maximum total head | m | 24 | 27 | 24 |
| | Suction lift | m | 7 | | |
| | Maximum capacity | ltr/min | 550 | 1150 | 1700 |
| ENGINE | Model | L48V6V-PYI2 (L48V6V-PEYI2) | L70V6V-PYI2 (L70V6V-PEYI2) | L100V6V-PTYI2 (L100V6V-PETYI2) | |
| | Type | 4-stroke, air cooled diesel engine | | | |
| | Displacement | cc | 219 | 320 | 435 |
| | Maximum output | kW/rpm | 3.4/3600 | 4.8/3600 | 6.8/3600 |
| | Continous output | kW/rpm | 3.1/3600 | 4.6/3600 | 6.2/3600 |
| | Starting system | Recoil (Electric) | | | |
| | Fuel oil tank capacity | ltr | 13 (diesel) | | |
| UNIT | Dimensions L xWxH | mm | 580 x 484 x 620 (580 x 484 x 620) | 680 x 484 x 710 (680 x 484 x 710) | 718 x 484 x 740 (718 x 484 x 740) |
| | Dry weight Recoil (Electric) | kg | 59 (74) | 80 (95) | 94 (109) |

| Trash Pumps (emission: NON-REGULATED) | | | | | |
|---------------------------------------|------------------------------|------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Model | | YDP20TN(E) | YDP30TN(E) | YDP40TN(E) | |
| PUMP | Type | Self-priming pump | | | |
| | Suction & Discharge ø | mm (inch) | 50 (2") | 80 (3") | 100 (4") |
| | Maximum total head | m | 24 | 27 | 25 |
| | Suction lift | m | 7 | | |
| | Maximum capacity | ltr/min | 550 | 1150 | 1750 |
| ENGINE | Model | L48N6-PYI2 (L48N6-PEYI2) | L70N6-PYI2 (L70N6-PEYI2) | L100N6-PTYI2 (L100N6-PETYI2) | |
| | Type | 4-stroke, air cooled diesel engine | | | |
| | Displacement | cc | 219 | 320 | 435 |
| | Maximum output | kW/rpm | 3.5/3600 | 4.9/3600 | 7.4/3600 |
| | Continous output | kW/rpm | 3.1/3600 | 4.4/3600 | 6.6/3600 |
| | Starting system | Recoil (Electric) | | | |
| | Fuel oil tank capacity | ltr | 13 (diesel) | | |
| UNIT | Dimensions LxWxH | mm | 580 x 484 x 620 (580 x 484 x 620) | 680 x 484 x 710 (680 x 484 x 710) | 718 x 484 x 740 (718 x 484 x 740) |
| | Dry weight Recoil (Electric) | kg | 57 (72) | 76 (93) | 91 (109) |

Specifications YDP-W series

| Fresh Water & Semi Trash Pumps (Emission: EPA TIER-4) | | | |
|---|------------------------------|--------------------------------------|--------------------------|
| | | Fresh water | Semi-trash pump |
| Model | | YDP40W(E) | YDP40STW(E) |
| PUMP | Type | Self-priming pump | |
| | Suction & Discharge ø | mm (inch) | 100 (4") |
| | Maximum total head | m | 26.5 |
| | Suction lift | m | 7 |
| | Maximum capacity | ltr/min | 1300 |
| ENGINE | Model | L70W6-PY12 (L70W6-PEY12) | L70W6-PY12 (L70W6-PEY12) |
| | Type | 4-stroke, air cooled diesel engine | |
| | Displacement | cc | 320 |
| | Maximum output | kW/rpm | 4.8/3600 |
| | Continous output | kW/rpm | 4.3/3600 |
| | Starting system | Recoil (Electric) | |
| | Fuel oil tank capacity | ltr | 13 (diesel) |
| UNIT | Dimensions LxWxH | mm 630 x 484 x 727 (630 x 484 x 727) | |
| | Dry weight Recoil (Electric) | kg | 64 (79) |

| Trash Pumps (Emission: EPA TIER-4) | | | |
|------------------------------------|------------------------------|--------------------------------------|-----------------------------------|
| Model | | YDP30TW(E) | YDP40TW(E) |
| PUMP | Type | Self-priming pump | |
| | Suction & Discharge ø | mm (inch) | 80 (3") |
| | Maximum total head | m | 27 |
| | Suction lift | m | 7 |
| | Maximum capacity | ltr/min | 1150 |
| ENGINE | Model | L70W6-PY12 (L70W6-PEY12) | L100W6-PTY12 (L100W6-PETY12) |
| | Type | 4-stroke, air cooled diesel engine | |
| | Displacement | cc | 320 |
| | Maximum output | kW/rpm | 4.8/3600 |
| | Continous output | kW/rpm | 4.3/3600 |
| | Starting system | Recoil (Electric) | |
| | Fuel oil tank capacity | ltr | 13 (diesel) |
| UNIT | Dimensions LxWxH | mm 680 x 484 x 710 (680 x 484 x 710) | 718 x 484 x 740 (718 x 484 x 740) |
| | Dry weight Recoil (Electric) | kg | 77 (95) |

Pump Detail

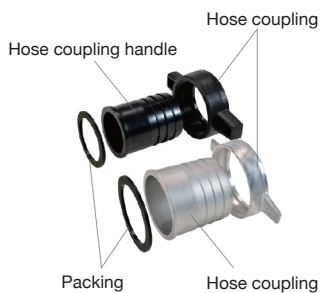
| | | Fresh water | Semi-Trash | Trash |
|-------------------------------|--------------|------------------------------------|--------------------------------------|---------------------------------|
| Construction | | | | |
| Impeller | | | | |
| Material (Principal Parts) | Pump Casing | Aluminum Diecast (ADC12) | | Aluminum Cast (AC2B) |
| | Casing Cover | Aluminum Diecast (ADC12) | | Aluminum Cast (AC2B) |
| | Impeller | Cast Iron (FC150) | Cast Iron (FC200) | Cast Steel (HCr) |
| | Inner Casing | Cast Iron (FC150) | Cast Iron (FC200) | Cast Iron (FC300) |
| | Liner | - | - | Stainless Steel (SUS430, 403) |
| Strainer | | 2" / 3" / 4" ⌀6x5.5 / ⌀7x9 / ⌀7 | 2" / 3" / 4" ⌀20x20 / ⌀20x20 / ⌀7 | 2" / 3" / 4" Φ20 / Φ31 / Φ31 |

Standard Accessories

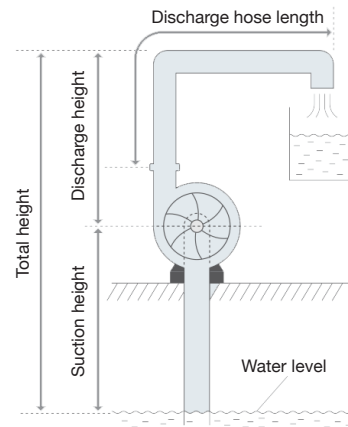
Slot-in type strainer



Hose coupling set



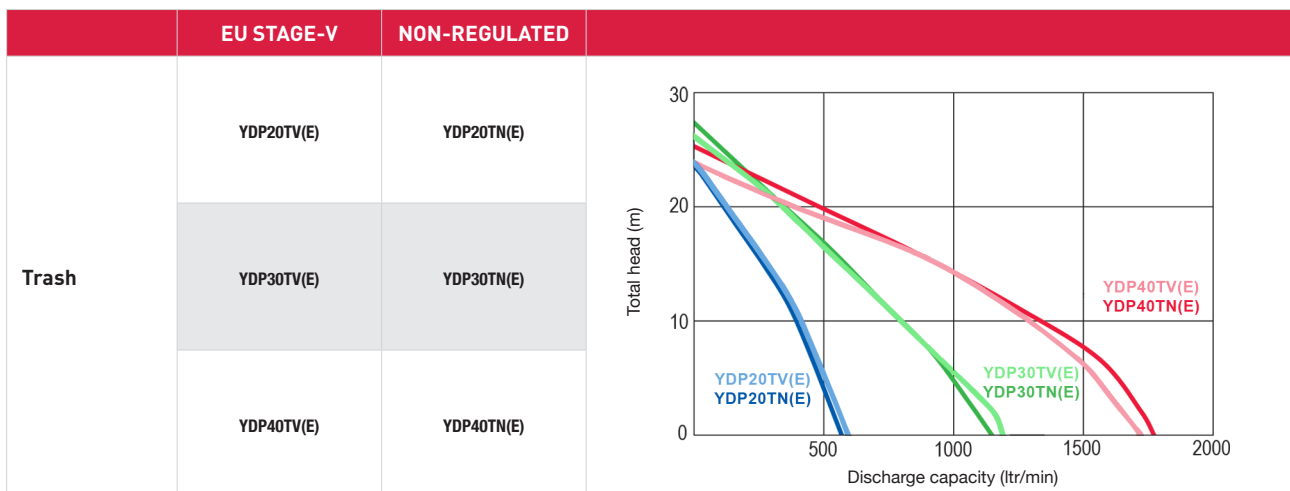
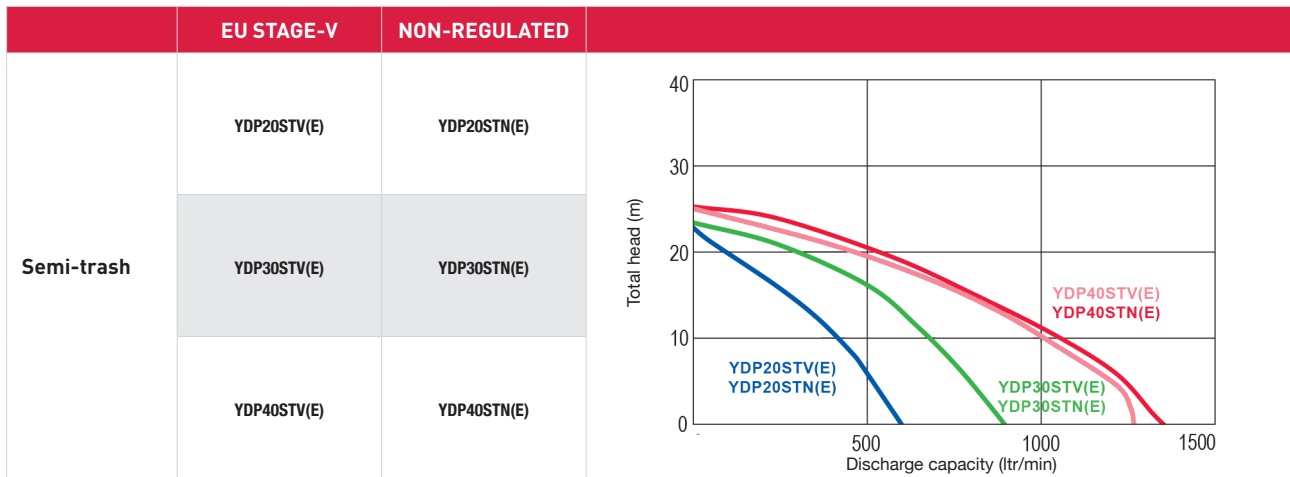
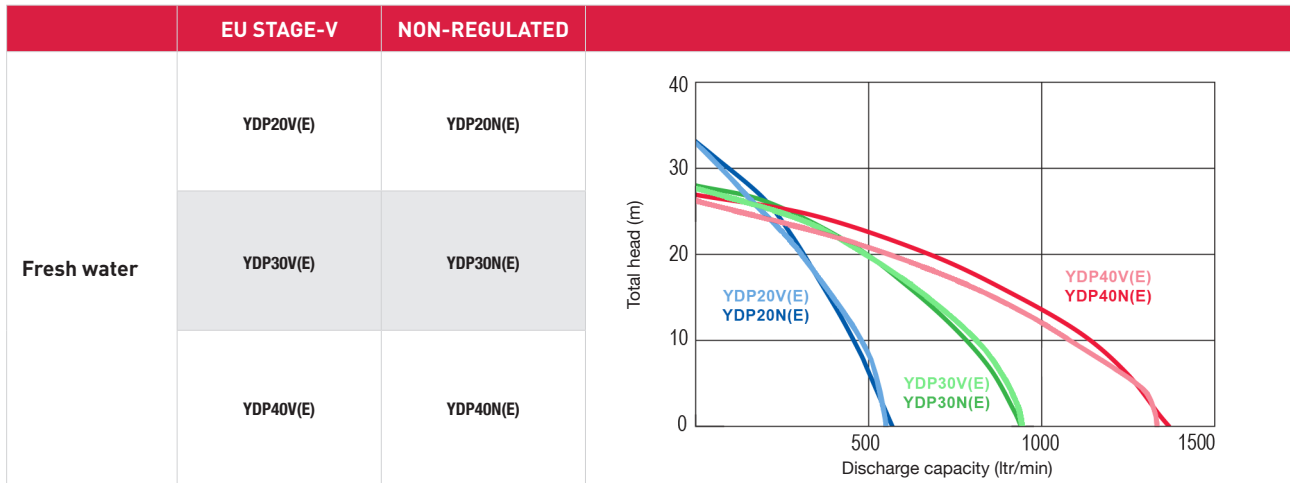
Hose band



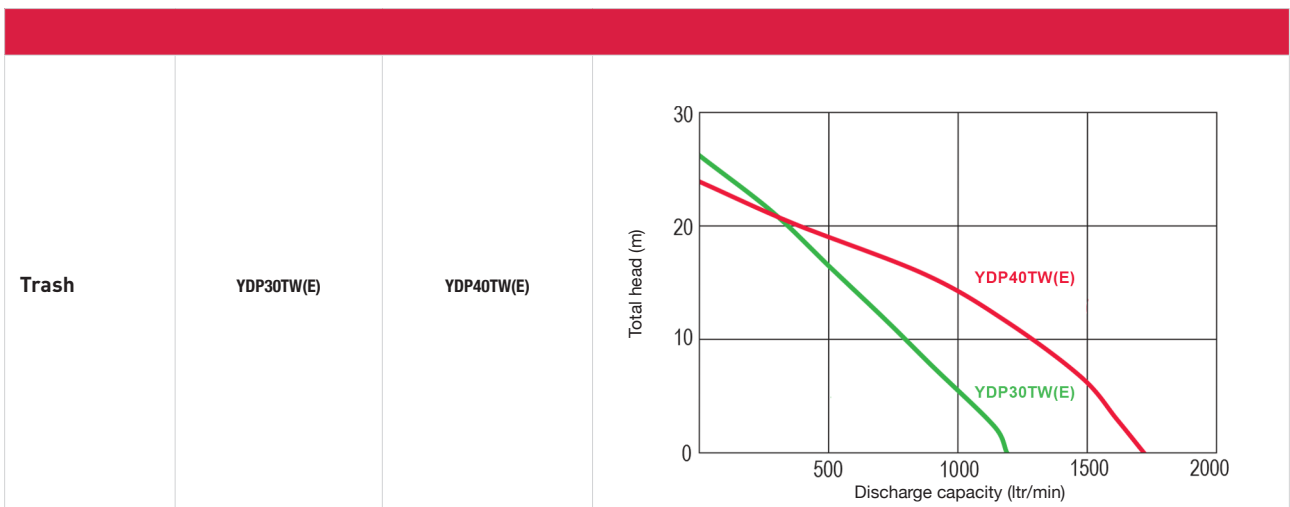
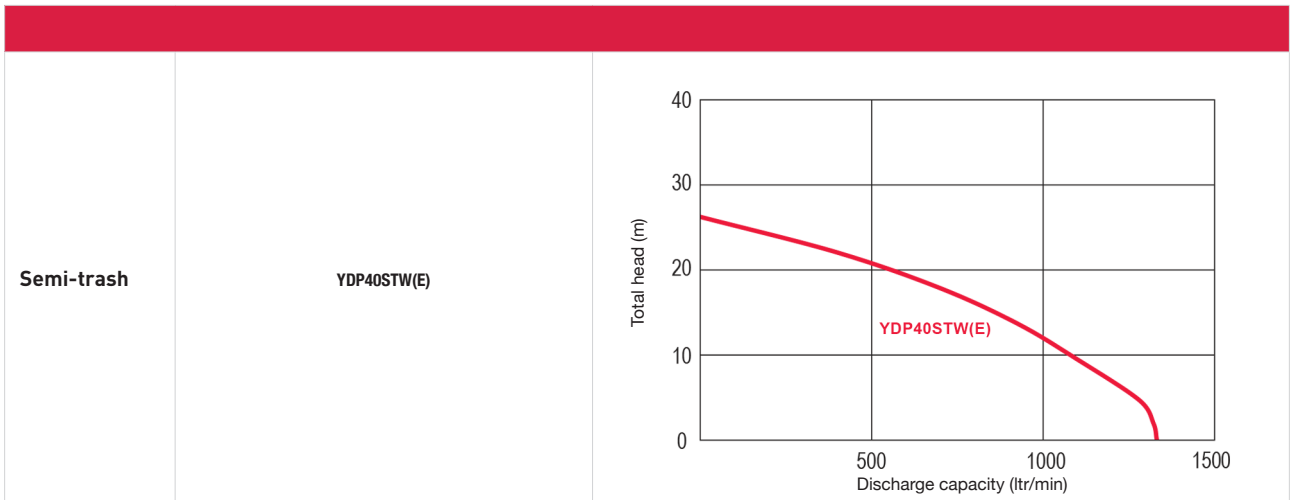
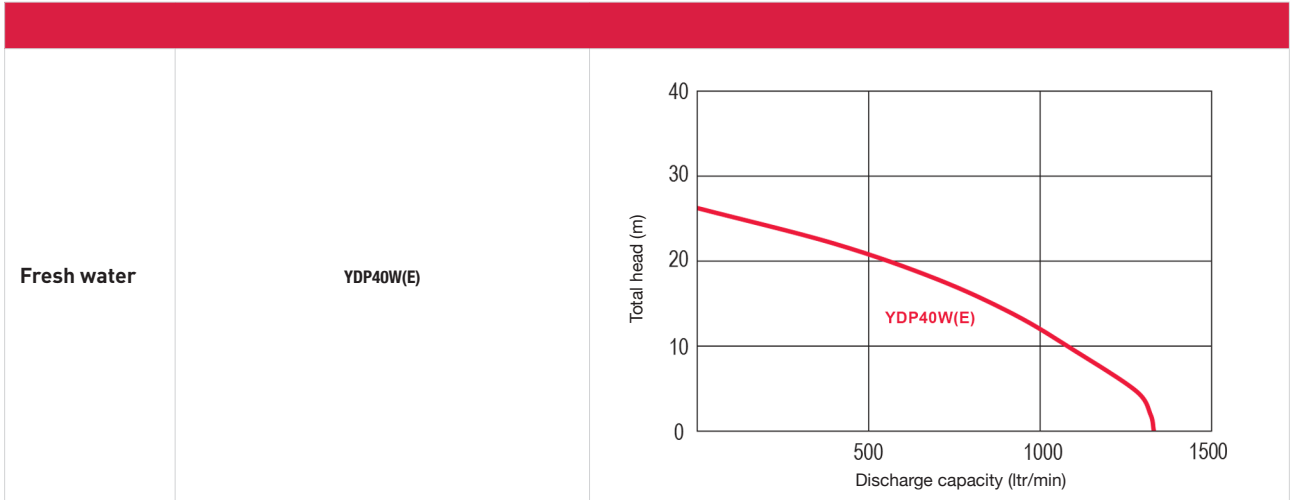
| Pump Type | Fresh water | Semi-trash water | Trash water |
|---------------------|-------------|------------------|-------------|
| Strainer | ○ | ○ | ○ |
| Hose coupling set | ○ | ○ | ○ |
| Hose band (4x) | ○ | ○ | ○ |
| Battery box + cable | ○* | ○* | ○* |
| Tools | ○ | ○ | ○ |

* Only for Electric start

Performance Charts



Performance Charts YDP-W series*



Model Overview

| Emission | Model | Fresh | Semi-trash | Trash | Maximum capacity lit/min | Total head data kW/rpm | Dry weight Recoil (Electric) kg | Dimensions LxWxH (Electric) mm |
|---------------|-------------|-------|------------|-------|-----------------------------|---------------------------|---------------------------------------|--------------------------------------|
| EU STAGE-V | YDP20V(E) | • | | | 550 | 3,4/3600 | 46 (61) | 530x484x637 (530x484x637) |
| | YDP30V(E) | • | | | 900 | 3,4/3600 | 48 (63) | 530x484x637 (530x484x637) |
| | YDP40V(E) | • | | | 1300 | 4,8/3600 | 62 (77) | 630x484x727 (630x484x727) |
| | YDP20STV(E) | | • | | 550 | 3,4/3600 | 46 (61) | 530x484x637 (530x484x637) |
| | YDP30STV(E) | | • | | 850 | 3,4/3600 | 47 (63) | 530x484x637 (530x484x637) |
| | YDP40STV(E) | | • | | 1300 | 4,8/3600 | 61 (76) | 630x484x727 (630x484x727) |
| | YDP20TV(E) | | | • | 550 | 3,4/3600 | 59 (74) | 580x484x620 (580x484x620) |
| | YDP30TV(E) | | | • | 1150 | 4,8/3600 | 80 (95) | 680x484x710 (680x484x710) |
| EPA TIER-4 | YDP40TV(E) | | | • | 1700 | 6,8/3600 | 94 (109) | 718x484x740 (718x484x740) |
| | YDP40W(E) | • | | | 1300 | 4,8/3600 | 64 (79) | 630x484x727 (630x484x727) |
| | YDP40STW(E) | | • | | 1300 | 4,8/3600 | 63 (78) | 630x484x727 (630x484x727) |
| | YDP30TW(E) | | | • | 1150 | 4,8/3600 | 77 (95) | 680x484x710 (680x484x710) |
| NON-REGULATED | YDP40TW(E) | | | • | 1700 | 6,8/3600 | 93 (111) | 718x484x740 (718x484x740) |
| | YDP20N(E) | • | | | 550 | 3,5/3600 | 44 (59) | 530x484x637 (530x484x637) |
| | YDP30N(E) | • | | | 900 | 3,5/3600 | 46 (61) | 530x484x637 (530x484x637) |
| | YDP40N(E) | • | | | 1300 | 4,9/3600 | 62 (77) | 630x484x727 (630x484x727) |
| | YDP20STN(E) | | • | | 550 | 3,5/3600 | 44 (59) | 530x484x637 (530x484x637) |
| | YDP30STN(E) | | • | | 850 | 3,5/3600 | 45 (61) | 530x484x637 (530x484x637) |
| | YDP40STN(E) | | • | | 1300 | 4,9/3600 | 61 (76) | 630x484x727 (630x484x727) |
| | YDP20TN(E) | | | • | 550 | 3,5/3600 | 57 (72) | 580x484x620 (580x484x620) |
| YDP30TN(E) | | | • | 1150 | 4,9/3600 | 76 (93) | 680x484x710 (680x484x710) | |
| YDP40TN(E) | | | • | 1750 | 7,4/3600 | 91 (109) | 718x484x740 (718x484x740) | |



Find your Yanmar dealer nearby

Home-based in Japan, Yanmar is a premium brand in industrial diesel engines and power products. European headquarters are located in The Netherlands.

For industrial products, spare parts and support we have a broad network of carefully selected dealers and distributors in European countries, Middle East and Africa.

www.yanmar.com/eu/industrial





Regional Office / Sales & Service

Yanmar Europe B.V.

Brugplein 11, 1332 BS Almere, The Netherlands

T: +31 (0)36 549 3200

F: +31 (0)36 549 3209

www.yanmar.com/eu