



## Diesel Engines 8V/12V/16V 4000 M60

For Vessels with Unrestricted  
Continuous Operation (1A)

### Dimensions

#### 4000 M60 - with gearbox

##### 8V/WAF 562L

|                                |                       |                        |
|--------------------------------|-----------------------|------------------------|
| Dimensions (L x W x H) mm - in | 3305 x 1380 x 2250 mm | 130.1 x 54.3 x 88.6 in |
| Dry weight kg - lbs            | 6400 kg               | 14109 lbs              |

##### 12V/WAF 665

|                                |                       |                        |
|--------------------------------|-----------------------|------------------------|
| Dimensions (L x W x H) mm - in | 3970 x 1520 x 2125 mm | 156.3 x 59.8 x 83.7 in |
| Dry weight kg - lbs            | 8565 kg               | 1882 lbs               |

##### 16V/WAF 763

|                                |                       |                     |
|--------------------------------|-----------------------|---------------------|
| Dimensions (L x W x H) mm - in | 4330 x 1520 x 2225 mm | 170.5 x 59.8 x 87.6 |
| Dry weight kg - lbs            | 10365 kg              | 22851 lbs           |

### Engine Type

#### 8V 4000 M60 \*\*

|                                     |           |               |
|-------------------------------------|-----------|---------------|
| Rated power ICFN                    | 880 kW    | 1180 bhp      |
| Speed                               | 1800 rpm  |               |
| Number of cylinders                 | 8         |               |
| Bore mm - in                        | 165 mm    | 6.5 in        |
| Stroke mm - in                      | 190 mm    | 7.5 in        |
| Displacement, total l : cu - in     | 32.5 cu   | 1983 in       |
| Flywheel housing                    | SAE 00    |               |
| Gearbox type                        | WAF 562L  | i = 5.0 – 5.9 |
| Optimization of exhaust emissions * | IMO I *** |               |

### Engine Type

#### 12V 4000 M60

|                                 |         |               |
|---------------------------------|---------|---------------|
| Rated power ICFN                | 1320 kW | 1770 bhp      |
| Speed                           | 1800    |               |
| Number of cylinders             | 12      |               |
| Bore mm - in                    | 165 mm  | 6.5 in        |
| Stroke mm - in                  | 190 mm  | 7.5           |
| Displacement, total l : cu - in | 48.7 cu | 2972 in       |
| Flywheel housing                | SAE 00  |               |
| Gearbox type                    | WAF 665 | i = 4.6 – 5.5 |

Optimization of exhaust emissions \* IMO I \*\*\* /EPA 2/CCNR II

|                                     |                          |               |
|-------------------------------------|--------------------------|---------------|
| <b>Engine Type</b>                  | <b>16V 4000 M60</b>      |               |
| Rated power ICFN                    | 1760 kW                  | 2360 bhp      |
| Speed                               | 1800 rpm                 |               |
| Number of cylinders                 | 16                       |               |
| Bore mm - in                        | 165 mm                   | 6.5 in        |
| Stroke mm - in                      | 190 mm                   | 7.5 in        |
| Displacement, total I : cu - in     | 65.0 cu                  | 3967 in       |
| Flywheel housing                    | SAE 00                   |               |
| Gearbox type                        | WAF 763                  | i = 4.6 – 5.7 |
| Optimization of exhaust emissions * | IMO I *** /EPA 2/CCNR II |               |

\* IMO - International Maritime Organization (MARPOL)

EPA - US marine directive 40 CFR 94

RheinSchUO - CCNR, Stage II

\*\* 8V 4000 M60 available with 850 kW (1140 bhp) also with EPA 2 and CCNR II

\*\*\* Availble also with IMO-40% (only E3-Cycle or on request)