

# GILKES INDUSTRIAL PUMPS

Contractors' Pumps

**PUMPING SYSTEMS**  
**GILKES**



[www.gilkes.com](http://www.gilkes.com)

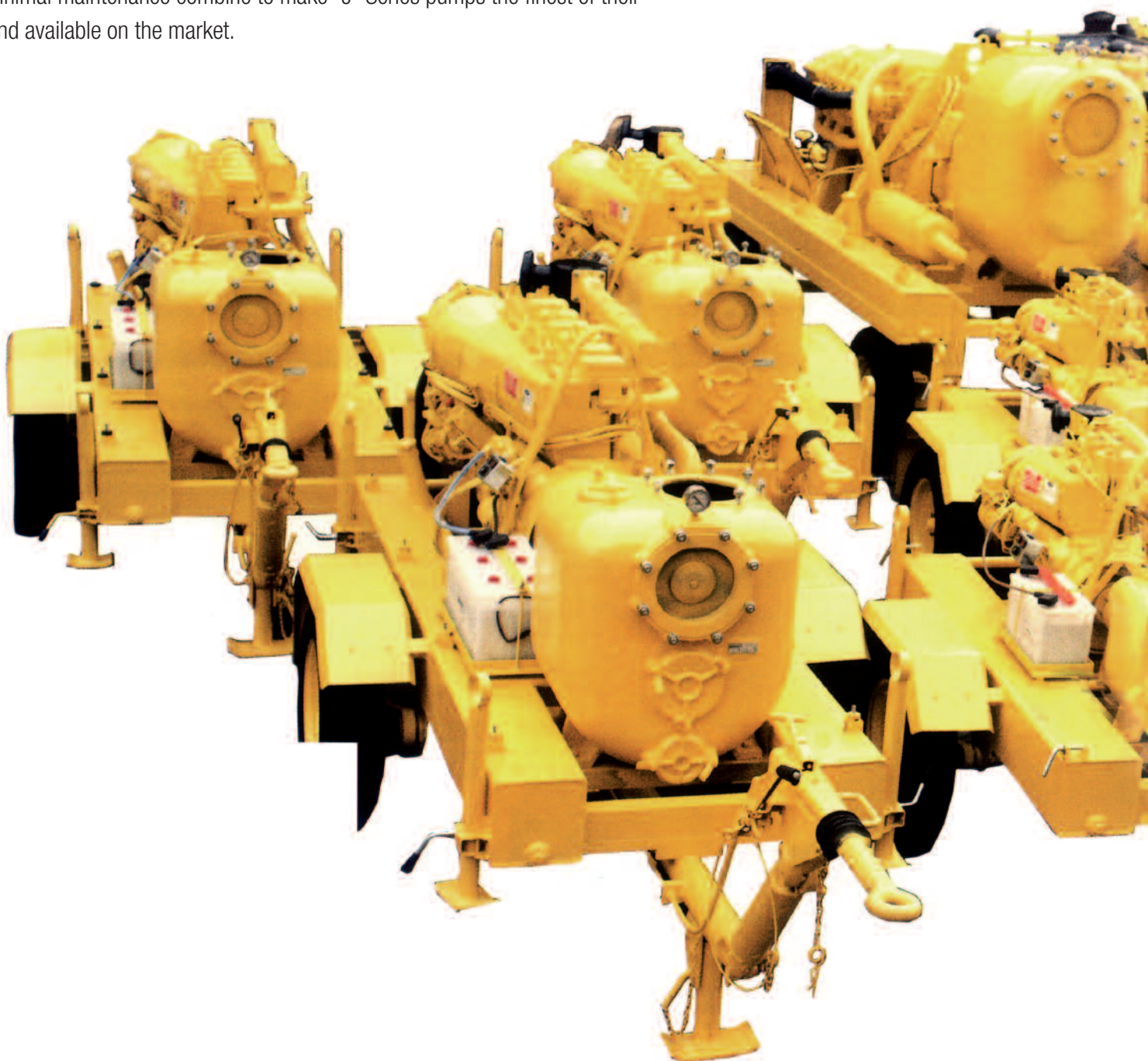
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# The widest range of **self-priming** centrifugal pumps for water containing sand and solids in suspension

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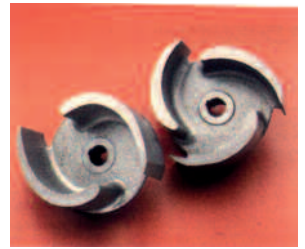
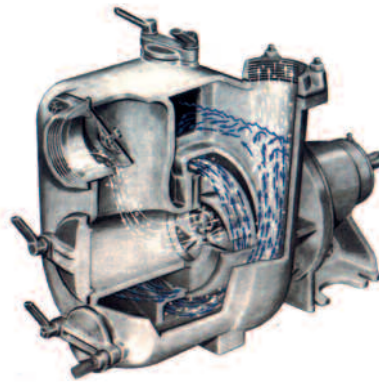
“J” Series contractors’ pumps are designed and built for pumping water containing sand, mud and solids in suspension on construction sites. “J” Series pumps prime themselves quickly and easily.

There is no need to waste time filling the suction hose, and foot valves are not necessary. The replaceable wear plate has an abrasion-resistant rubber facing and the open impeller has wide passages for handling solids. The pump can easily be inspected. Long life, compact size, dependable operation and minimal maintenance combine to make “J” Series pumps the finest of their kind available on the market.



## Self-priming principle

Air (white arrows) is drawn into the pump by the vacuum produced as the impeller rotates and is emulsified with the liquid (blue arrows) contained in the pump casing. The air/liquid mixture is driven into the priming chamber where the air, which is less dense, separates out and vents through the delivery line while the liquid, due to the higher density, falls back and is recirculated. When all the air has been evacuated from the suction line, the pump primes and operates like a normal centrifugal pump. It can also handle a mixture of air and liquid. The check valve mounted in the pump suction port serves two purposes; it prevents the liquid from draining out of the suction line when the pump is not in operation, and if the suction line is drained by accident, enough liquid is retained in the pump casing for the pump to reprime. The delivery line must allow the air drawn from the suction line to vent to atmosphere.



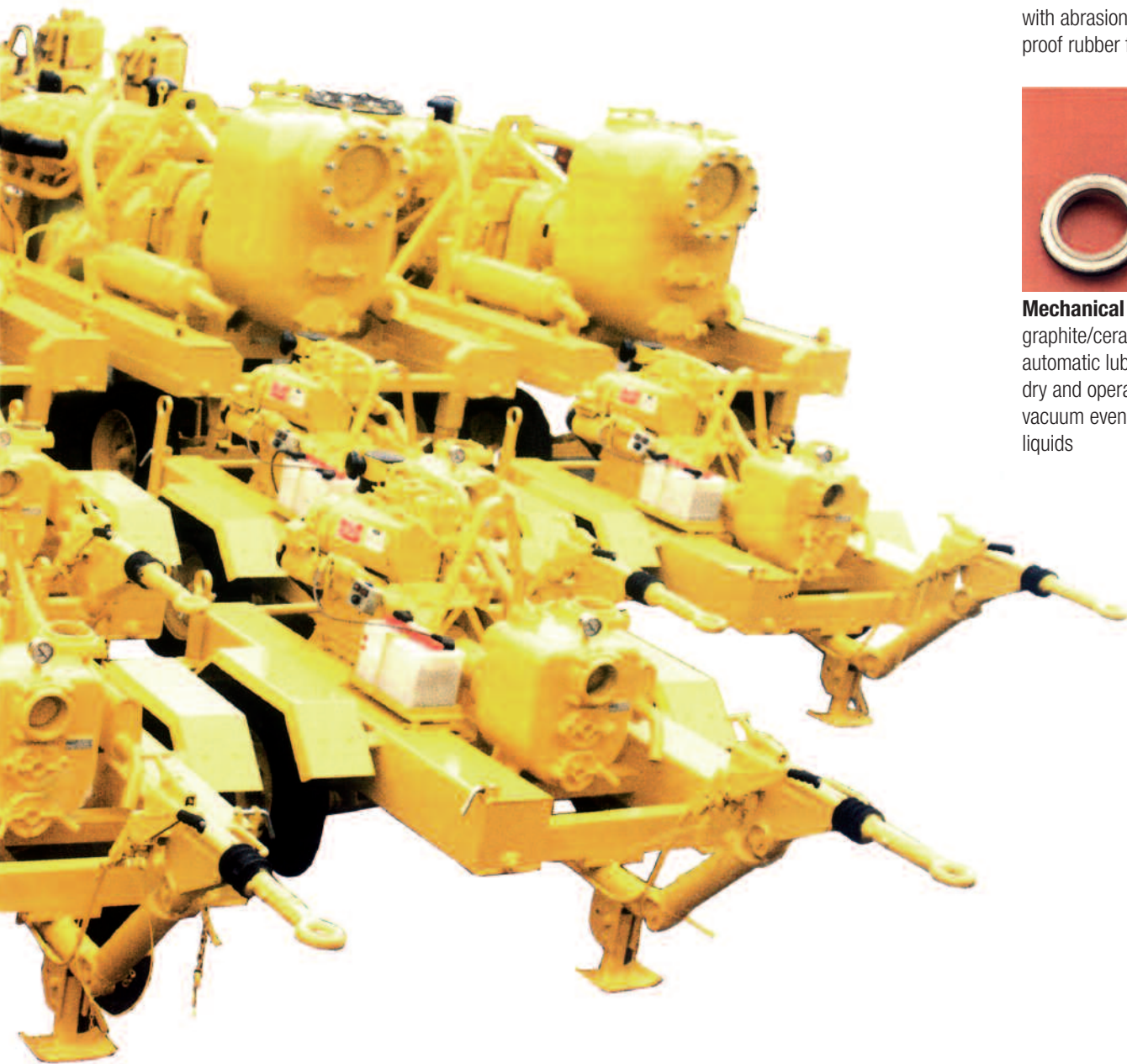
**Impeller:** Open impeller handling large diameter spherical solids



**Wear Plate:** Easily replaced, with abrasion resistant oil proof rubber facing



**Mechanical Seal:** Carbide or graphite/ceramic with automatic lubrication. Can run dry and operate on high vacuum even with abrasive liquids





## 1 1/2" J40-2 TWGMBS

**Make:** Briggs & Stratton

**Type:** 93432 petrol

**Capacity:** 148 cm<sup>3</sup>

**Power:** kW / HP

N 2.6 / 3.5

Na 2.25 / 3

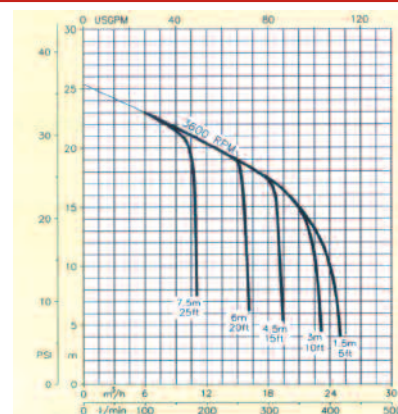
**RPM:** 3600

**Starting:** Vertical pull recoil

**Weight:** 26kg

**Overall dimensions:** h 520 mm  
d 350 mm  
w 460 mm

**Solids handling:** Ø 20 mm



## 1 1/2" J1-180 TWMLD

**Make:** Lombardini

**Type:** 6LD400 diesel

**Capacity:** 395 cm<sup>3</sup>

**Power:** kW / HP

Nb 5.8 / 7.9

Na 5.5 / 7.5

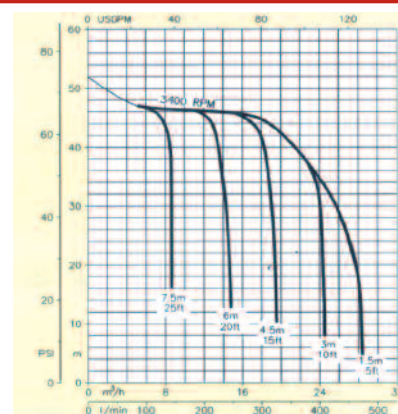
**RPM:** 3400

**Starting:** Rope

**Weight:** 110kg

**Overall dimensions:** h 720 mm  
d 700 mm  
610 x mm

**Solids handling:** Ø 11 mm



## 2" J50 TWGMLD

**Make:** Lombardini

**Type:** 15LD315 diesel

**Capacity:** 315 cm<sup>3</sup>

**Power:** kW / HP

Nb 4.6 / 6.2

Na 4.0 / 5.6

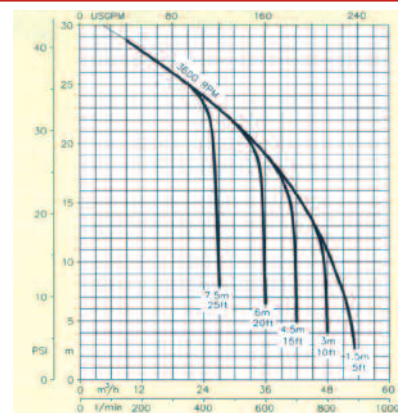
**RPM:** 3600

**Starting:** Vertical pull recoil

**Weight:** 83kg

**Overall dimensions:** h 700 mm  
d 600 mm  
w 700 mm

**Solids handling:** Ø 25 mm



## 2" J2-180 TWGMLD

**Make:** Lombardini

**Type:** 3LD450 diesel

**Capacity:** 454 cm<sup>3</sup>

**Power:** kW / HP

Nb 6.6 / 9.0

Na 5.9 / 8.0

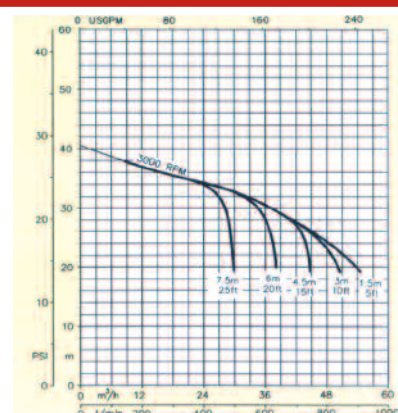
**RPM:** 3000

**Starting:** Rope

**Weight:** 125kg

**Overall dimensions:** h 1020 mm  
d 800 mm  
w 1250 mm

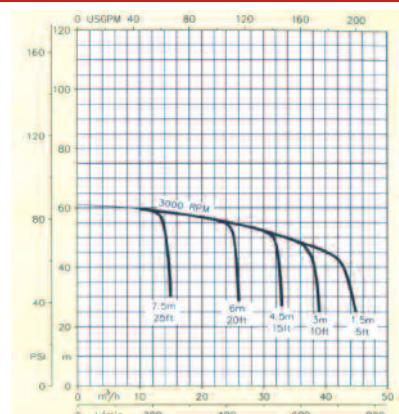
**Solids handling:** Ø 15 mm





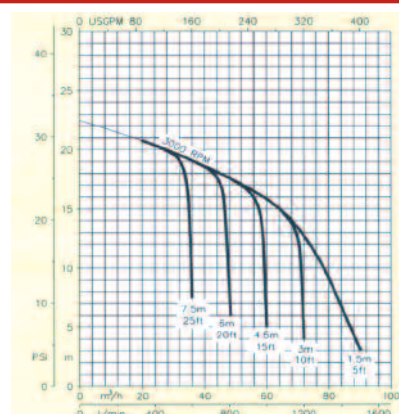
## 2" J60-220 TWGMRD

**Make:** Ruggerini  
**Type:** RP 170 diesel  
**Capacity:** 746 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 11 / 15  
     NA 10 / 13.5  
**RPM:** 3000  
**Starting:** Rope  
**Weight:** 190kg  
**Overall dimensions:** h 990 mm  
                             d 770 mm  
                             w 1100 mm  
**Solids handling:** Ø 12 mm



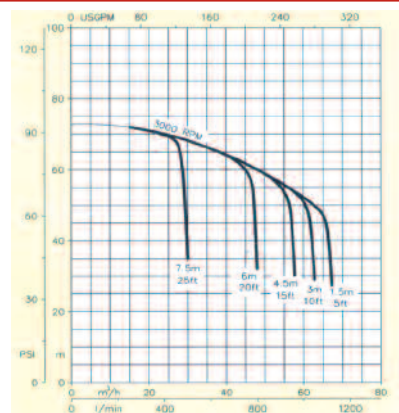
## 3" J3-140 TWGMLD

**Make:** Lombardini  
**Type:** GLD400 diesel  
**Capacity:** 395 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 5.5 / 7.4  
     NA 5.0 / 6.8  
**RPM:** 3000  
**Starting:** Rope  
**Weight:** 110kg  
**Overall dimensions:** h 720 mm  
                             d 750 mm  
                             w 610 mm  
**Solids handling:** Ø 28 mm



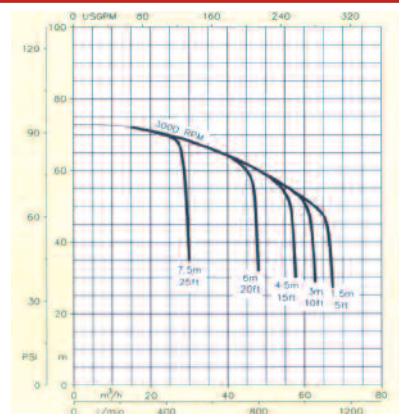
## 3" J70-250 TWGMRDE

**Make:** Ruggerini  
**Type:** RP 360 diesel  
**Capacity:** 1732 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 24.2 / 33.0  
     NA 22.0 / 30.0  
**RPM:** 3000  
**Starting:** Electric  
**Weight:** 375kg  
**Overall dimensions:** h 1300 mm  
                             d 1750 mm  
                             w 1000 mm  
**Solids handling:** Ø 12 mm



## 3" J70-250 TWGS/LDE

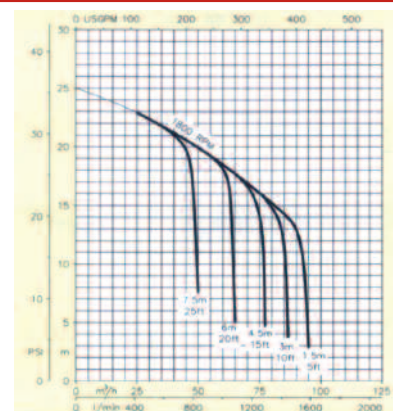
**Make:** Lombardini  
**Type:** 5LD 825-2 diesel  
**Capacity:** 1648 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 22 / 30  
     NA 21 / 28  
**RPM:** 3000  
**Starting:** Electric  
**Weight:** 400kg  
**Overall dimensions:** h 1300 mm  
                             d 1750 mm  
                             w 1000 mm  
**Solids handling:** Ø 12 mm





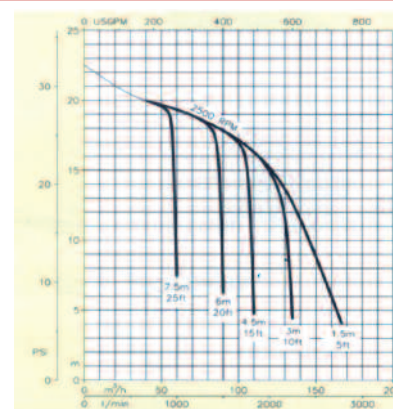
## 3" J85 TWGMLD

**Make:** Lombardini  
**Type:** 4LD 820L diesel  
**Capacity:** 817 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 8.0 / 11.0  
     NA 7.5 / 10.0  
**RPM:** 1800  
**Starting:** Rope  
**Weight:** 257kg  
**Overall dimensions:** h 1200 mm  
                                     d 800 mm  
                                     w 1250 mm  
**Solids handling:** Ø 40 mm



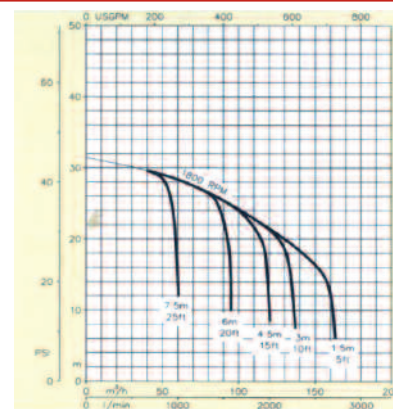
## 4" J90-2 TWGMLD

**Make:** Lombardini  
**Type:** 4LD 820 diesel  
**Capacity:** 817 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 11.4 / 15.5  
     NA 10.3 / 14.0  
**RPM:** 2500  
**Starting:** Rope  
**Weight:** 207kg  
**Overall dimensions:** h 1120 mm  
                                     d 1250 mm  
                                     w 800 mm  
**Solids handling:** Ø 45 mm



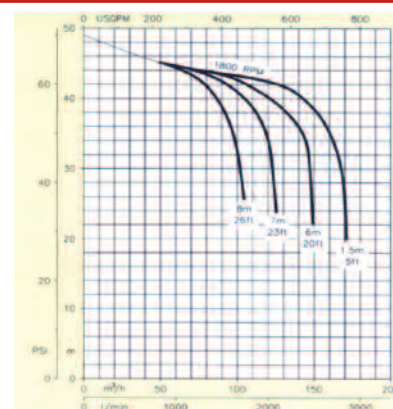
## 4" J101 TWGMVM

**Make:** VM  
**Type:** SUN 2105 diesel  
**Capacity:** 1992 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 24.0 / 33.8  
     NA 22.0 / 30.0  
**RPM:** 1800  
**Starting:** Electric  
**Weight:** 420kg  
**Overall dimensions:** h 1200 mm  
                                     d 1200 mm  
                                     w 1250 mm  
**Solids handling:** Ø 50 mm



## 4" J4-316 TWGMVM

**Make:** VM  
**Type:** SUN 3105 diesel  
**Capacity:** 2985 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 36.5 / 50.0  
     NA 31.6 / 43.0  
**RPM:** 1800  
**Starting:** Electric  
**Weight:** 850kg  
**Overall dimensions:** h 1550 mm  
                                     d 1500 mm  
                                     w 2100 mm  
**Solids handling:** Ø 38 mm



## 5" J120-2 TWGMLDE

**Make:** Lombardini

**Type:** 5LD 825-2L diesel

**Capacity:** 1649 cm<sup>3</sup>

**Power:** kW / HP

Nb 18.0 / 24.6

NA 16.4 / 22.3

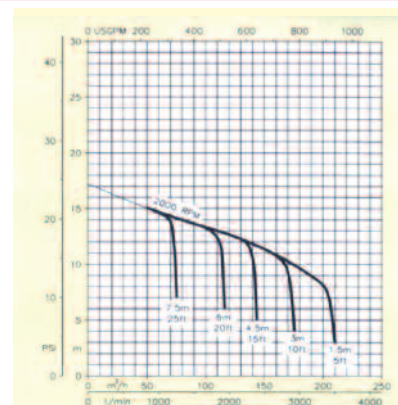
**RPM:** 2000

**Starting:** Electric

**Weight:** 400kg

**Overall dimensions:** h 1200 mm  
d 1200 mm  
w 1250 mm

**Solids handling:** Ø 60 mm



## 6" J151 TWGMVM

**Make:** VM

**Type:** SUN 2105 diesel

**Capacity:** 1992 cm<sup>3</sup>

**Power:** kW / HP

Nb 24.0 / 33.0

NA 22.0 / 30.0

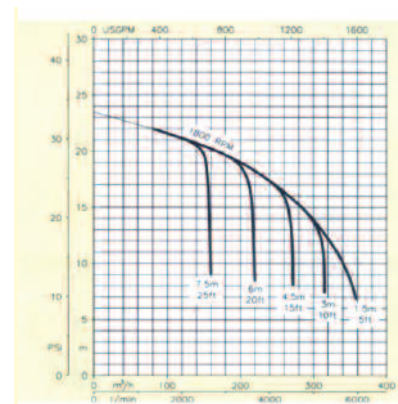
**RPM:** 1800

**Starting:** Electric

**Weight:** 700kg

**Overall dimensions:** h 1700 mm  
d 1400 mm  
w 1750 mm

**Solids handling:** Ø 76 mm



## 6" J150-2 TWGS/VM

**Make:** VM

**Type:** SUN 3105e diesel

**Capacity:** 3984 cm<sup>3</sup>

**Power:** kW / HP

Nb 28.7 / 39.0

NA 26.1 / 35.5

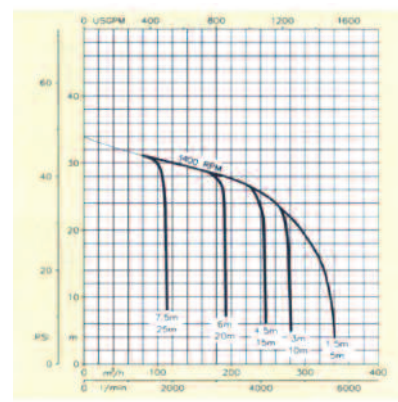
**RPM:** 1400

**Starting:** Electric

**Weight:** 1040kg

**Overall dimensions:** h 1700 mm  
d 1500 mm  
w 2500 mm

**Solids handling:** Ø 37 mm



## 6" J6-400 TWGS/VM

**Make:** VM

**Type:** SUN 6105e diesel

**Capacity:** 5976 cm<sup>3</sup>

**Power:** kW / HP

Nb 61.7 / 84.0

NA 55.9 / 76.0

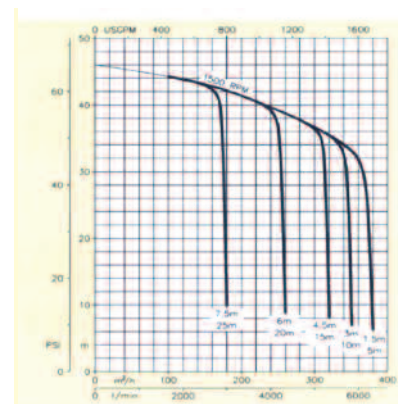
**RPM:** 1500

**Starting:** Electric

**Weight:** 1450kg

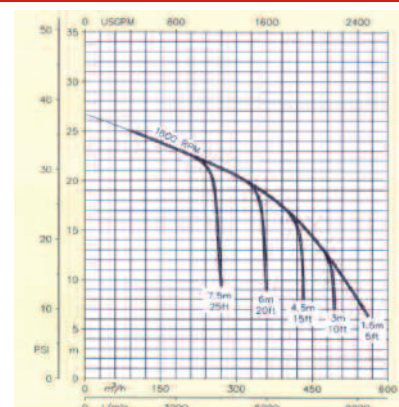
**Overall dimensions:** h 1700 mm  
d 2700 mm  
w 1520 mm

**Solids handling:** Ø 50 mm



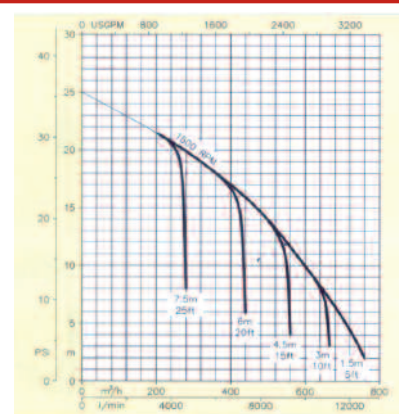
## 8" J8-300 TWGMVM

**Make:** VM  
**Type:** SUN 3105 diesel  
**Capacity:** 2987 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 33.0 / 45.0  
     NA 30.1 / 41.0  
**RPM:** 1600  
**Starting:** Electric  
**Weight:** 850kg  
**Overall dimensions:** h 1700 mm  
                                     d 1520 mm  
                                     w 1850 mm  
**Solids handling:** Ø 60 mm



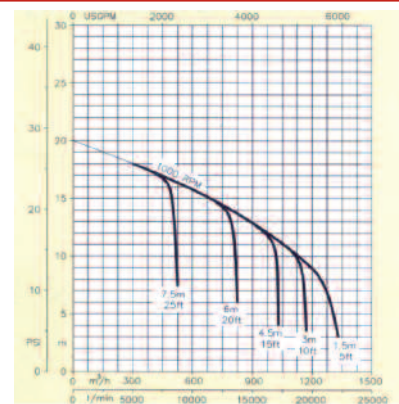
## 10" J10-305 TWGS/VM

**Make:** VM  
**Type:** SUN 4105e diesel  
**Capacity:** 3984 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 40.5 / 55.0  
     NA 36.8 / 50.0  
**RPM:** 1500  
**Starting:** Electric  
**Weight:** 1450kg  
**Overall dimensions:** h 1900 mm  
                                     d 1550 mm  
                                     w 2500 mm  
**Solids handling:** Ø 76 mm



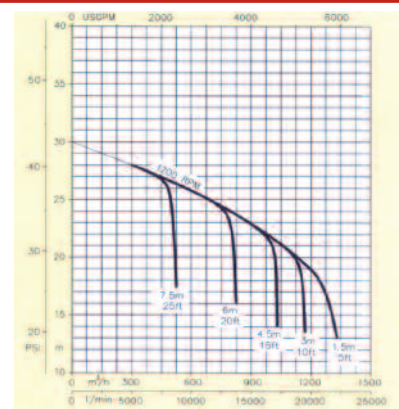
## 12" J300 TWGR/VM

**Make:** VM  
**Type:** SUN 6105e diesel  
**Capacity:** 5976 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 81.0 / 110  
     NA 73.5 / 100  
**RPM:** 2000  
**Starting:** Electric  
**Weight:** 2000kg  
**Overall dimensions:** h 1800 mm  
                                     d 1600 mm  
                                     w 3100 mm  
**Solids handling:** Ø 70 mm



## 12" J300 TWGR/VMTe

**Make:** VM  
**Type:** SUN 6105Te diesel  
**Capacity:** 5976 cm<sup>3</sup>  
**Power:** kW / HP  
     Nb 114 / 155  
     NA 104 / 142  
**RPM:** 2400  
**Starting:** Electric  
**Weight:** 2100kg  
**Overall dimensions:** h 1800 mm  
                                     d 1600 mm  
                                     w 3100 mm  
**Solids handling:** Ø 70 mm



## OPTIONAL ENGINE DRIVES

| PUMP TYPE |  |  |  |  |  |  |  |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| J40-2     | -                                                                                 | -                                                                                 | 93432                                                                             | -                                                                                 | -                                                                                  | -                                                                                   | -                                                                                   |
| J1-180    | ADN37W ACT280                                                                     | -                                                                                 | -                                                                                 | -                                                                                 | 1D 40                                                                              | AC1                                                                                 | 6LD 400 IM350                                                                       |
| J50       | ADN37W ADX300                                                                     | -                                                                                 | 171432                                                                            | -                                                                                 | E673 LS                                                                            | AC1                                                                                 | 15LD 315 IM350                                                                      |
| J2-180    | ADN48                                                                             | -                                                                                 | -                                                                                 | -                                                                                 | 1D 60                                                                              | AD1 LT1                                                                             | 3LD 450                                                                             |
| J60-220   | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | 2G 40                                                                              | LAP2                                                                                | -                                                                                   |
| J3-140    | ADN 37 W                                                                          | -                                                                                 | -                                                                                 | -                                                                                 | 1D 40                                                                              | AD1 LT1                                                                             | 6LD 400                                                                             |
| J70-250   | -                                                                                 | -                                                                                 | -                                                                                 | F2L1011                                                                           | 2M 41                                                                              | TX2                                                                                 | 5LD 825-2                                                                           |
| J85       | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | 1D 80                                                                              | TR1 TS1                                                                             | 4LD 820L                                                                            |
| J90-2     | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                 | 1D 80                                                                              | TR1 TS1                                                                             | 4LD820                                                                              |
| J101      | -                                                                                 | 803 I                                                                             | -                                                                                 | F2L1011                                                                           | 2M 41                                                                              | TX2 TR2                                                                             | 5LD 825-2L                                                                          |
| J4-316    | -                                                                                 | -                                                                                 | -                                                                                 | F3L912                                                                            | 3M 41 4M 41                                                                        | CRK3                                                                                | 5LD 930-3                                                                           |
| J120-2    | -                                                                                 | -                                                                                 | -                                                                                 | F2L1011                                                                           | 2M 41                                                                              | TX2                                                                                 | 9LD 625-2                                                                           |
| J150-4    | -                                                                                 | 804 I                                                                             | -                                                                                 | F4L912                                                                            | -                                                                                  | CRK3 CD4                                                                            | 5LD 930-4                                                                           |
| J151      | -                                                                                 | 803 I                                                                             | -                                                                                 | F3L1011                                                                           | 3M 41                                                                              | TX3 TR3                                                                             | 5LD 825-3L                                                                          |
| J160-403  | -                                                                                 | 804 I 805 I                                                                       | -                                                                                 | F6L912                                                                            | -                                                                                  | CD6 CD6T                                                                            | -                                                                                   |
| J8-300    | -                                                                                 | 803 I 805 I                                                                       | -                                                                                 | F3L912/F4L912                                                                     | 4M 40                                                                              | CRK3 CD4                                                                            | 5LD 930-3                                                                           |
| J10-305   | -                                                                                 | 803 I                                                                             | -                                                                                 | F4L912                                                                            | -                                                                                  | CD4 CD6                                                                             | 5LD 930-4                                                                           |
| J300      | -                                                                                 | 805 I                                                                             | -                                                                                 | F6L912                                                                            | -                                                                                  | CD6 CD6T                                                                            | -                                                                                   |

| PUMP TYPE |  |  |  |  |  |  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| J40-2     | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | BH 153                                                                               | -                                                                                     |
| J1-180    | -                                                                                   | -                                                                                   | BRIO RF 90                                                                          | -                                                                                   | -                                                                                    | -                                                                                     |
| J50       | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                    | -                                                                                     |
| J2-180    | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                    | -                                                                                     |
| J60-220   | -                                                                                   | -                                                                                   | RP 170                                                                              | -                                                                                   | -                                                                                    | -                                                                                     |
| J3-140    | -                                                                                   | -                                                                                   | BRIO RF 90                                                                          | -                                                                                   | -                                                                                    | -                                                                                     |
| J70-250   | -                                                                                   | -                                                                                   | RP 360                                                                              | -                                                                                   | -                                                                                    | -                                                                                     |
| J85       | D 1005                                                                              | 103-10                                                                              | RP 178                                                                              | -                                                                                   | -                                                                                    | -                                                                                     |
| J90-2     | D 1005                                                                              | 103-10                                                                              | RP 170                                                                              | -                                                                                   | -                                                                                    | -                                                                                     |
| J101      | D 1703                                                                              | 103-15                                                                              | RP 270                                                                              | -                                                                                   | -                                                                                    | SUN 2105                                                                              |
| J4-316    | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                    | SUN 3105                                                                              |
| J120-2    | D 1703                                                                              | 103-15                                                                              | RP 368                                                                              | -                                                                                   | -                                                                                    | -                                                                                     |
| J150-2/4  | -                                                                                   | -                                                                                   | -                                                                                   | 1053-P                                                                              | -                                                                                    | SUN 4105e                                                                             |
| J151      | V 2203                                                                              | 104-22                                                                              | -                                                                                   | 1052-P                                                                              | -                                                                                    | SUN 2105                                                                              |
| J160-403  | -                                                                                   | 6.3544/T6.3544                                                                      | -                                                                                   | 1056 PT                                                                             | -                                                                                    | SUN 6105e                                                                             |
| J8-300/5  | -                                                                                   | 4.248                                                                               | -                                                                                   | 1053 P/1054 PT                                                                      | -                                                                                    | SUN 3105                                                                              |
| J10-305   | -                                                                                   | 4.248                                                                               | -                                                                                   | 1054 PT                                                                             | -                                                                                    | SUN 3105                                                                              |
| J300      | -                                                                                   | 6.3544/T6.3544                                                                      | -                                                                                   | 1056 PT                                                                             | -                                                                                    | SUN 6105e                                                                             |

## ARRANGEMENTS

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**Trailer for light duty**



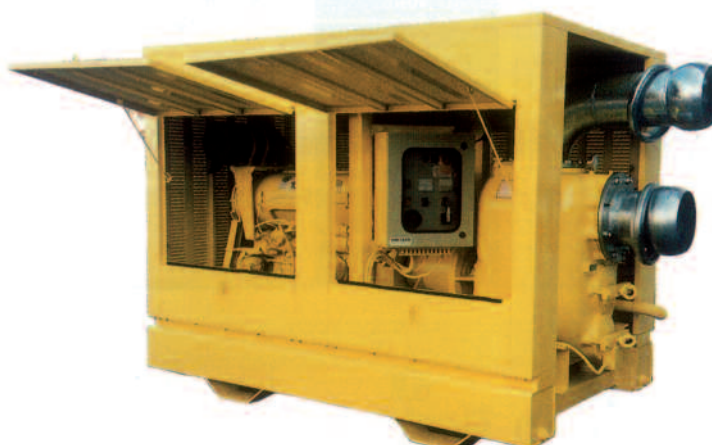
**Heavy duty trailer**

## OPTIONS

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**Jetting version**



**Weather-proof canopy**

**Heavy duty trailer with pivot**



**Skid base and tubular protection frame and engine sound proof canopy**

# ELECTRIC MOTOR VERSION



| Pump    | Size |    | Solids | Capacity | Max. Head | Max. Speed | Engine |
|---------|------|----|--------|----------|-----------|------------|--------|
|         | mm   | in | Ø mm   | m³/h     | m         | RPM        | kW     |
| J1-180  | 40   | 1½ | 11     | 28       | 38        | 2900       | 4      |
| J40     | 40   | 1½ | 20     | 24       | 17        | 2900       | 1.1    |
| J50     | 50   | 2  | 25     | 49       | 21        | 2900       | 2.2    |
| J2-180  | 50   | 2  | 15     | 55       | 38        | 2900       | 5.5    |
| J60-220 | 50   | 2  | 12     | 43       | 59        | 2900       | 11     |
| J3-140  | 80   | 3  | 28     | 80       | 22        | 2900       | 4      |
| J70-250 | 80   | 3  | 12     | 65       | 67        | 2900       | 18.5   |
| J85     | 80   | 3  | 40     | 80       | 16        | 1450       | 4      |
| J90-4   | 100  | 4  | 45     | 165      | 29        | 2900       | 11     |
| J101    | 100  | 4  | 50     | 160      | 21        | 1450       | 7.4    |
| J4-316  | 100  | 4  | 38     | 190      | 32        | 1450       | 18.5   |
| J151    | 150  | 6  | 76     | 320      | 18        | 1450       | 11     |
| J150-4  | 150  | 6  | 47     | 360      | 35        | 1450       | 30     |
| J8-300  | 200  | 8  | 60     | 520      | 22        | 1450       | 22     |
| J10-305 | 250  | 10 | 75     | 700      | 23        | 1450       | 30     |
| J300    | 300  | 12 | 70     | 1200     | 20        | 975        | 55     |

These units adopt the standard trolley or trailer. The electric motor is a three phase TEFC motor. Depending on the power, the voltages available are: 220/380 V, 380/415 V, 660/720 V, at 50 Hz. IP55 protection, class F isolation.

Waterproof control box containing: door interlocked main switch, fuses, star/delta starter, magnetothermic protection and socket for connection to an emergency standby unit. On request, a simplified control box is available. For further information consult the “Self-priming centrifugal pump J” leaflet.

# SOUND PROOF CANOPY



| Type                 | Noise Level | Engine |      |         | Dimensions         | Weight |
|----------------------|-------------|--------|------|---------|--------------------|--------|
|                      |             | RPM    | Make | Type    |                    |        |
| Without vacuum pump  |             |        |      |         |                    |        |
| J101 TWGMVM2+CS-ML   | 74          | 1500   | VM   | SUN2105 | 2070 x 1550 x 1500 | 1000   |
| J151 TWGMVM2+CS-ML   | 74          | 1800   | VM   | SUN2105 | 2070 x 1550 x 1500 | 1050   |
| J8-300 TWGMVM3+CS-ML | 76          | 1600   | VM   | SUN3105 | 2500 x 1750 x 1900 | 1300   |
| With vacuum pump     |             |        |      |         |                    |        |
| J101 TWGMVM2+CS-ML   | 80          | 1500   | VM   | SUN2105 | 2180 x 1550 x 1500 | 1110   |
| J151 TWGMVM2+CS-ML   | 80          | 1800   | VM   | SUN2105 | 2180 x 1550 x 1500 | 1150   |
| J8-300 TWGMVM3+CS-ML | 78          | 1800   | VM   | SUN3105 | 2580 x 1350 x 1830 | 1430   |

## Sound-proofing

Sheet steel canopy, expanded polyurethane foam sound absorbing material.

## Control panel including:

- Fuel level gauge
- Alternator warning light
- Oil warning light
- Hour meter
- Vacuum gauge
- Auto shut down
- Hand accelerator
- Starting key

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