



**TEWATT**  
DIESEL AIR COMPRESSOR

EU STAGE III/TIER 3 SERIES

ESSENTIAL  
POWER ENTIRE  
SAFEGUARD



### 01 TEWATT SCREW AIR-END

- Big rotor/low speed
- Efficient specific power
- Screw rotors 5 years/10000 hours warranty



### 02 INTELLIGENT CONTROLLER

- Multi-language display
- Global smart cloud management system
- GPS/GPRS control
- Full running CVT system



### 03 ELECTRIC FAN

- Speed can be automatically adjusted according to the temperature, more energy saving and lower noise



### 04 ENGINE SERIES

- Lower fuel consumption
- Excellent power to weight ratio
- Extremely long lifetime and low maintenance cost
- Global warranty



### 05 INTAKE SYSTEM

- Flexible CV loading/unloading function
- Anti-vomiting oil one-way function
- Normal closed low bad auxiliary start-up function
- Automatic pressure balance system



| Model  | TWT1520D-25T /1420D-35T                                      | TWT1364D-35T   | TWT1300D-35T                      | TWT1200D-30T                      | TWT1170D-25T   | TWT1100D-25T   | TWT850-24T /950D-17T     | TWT750D-21T    | TWT680D-20T    | TWT605D-17T    | TWT550D-16T    | TWT406D-7T     | TWT375D-12T    | TWT185D-7T     | TWT185D-7T       |
|--|--|----------------|-----------------------------------|-----------------------------------|----------------|----------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| <b>Stage</b>   | TWO  |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |
| <b>Free Air Delivery</b><br>CFM<br>m <sup>3</sup> /min | 1420/1525<br>40.2/43.2                                       | 1364<br>38.6   | 1300<br>36.8                      | 1200<br>34.0                      | 1170<br>33.1   | 1100<br>31.2   | 850/950<br>24.1/26.9     | 750<br>21.2    | 680<br>19.3    | 605<br>17.1    | 550<br>15.6    | 406<br>11.5    | 375<br>10.6    | 185<br>5.2     | 185<br>5.2       |
| <b>Working Pressure</b><br>(psig/bar)                  | 362.5(25)/<br>507.5(35)                                      | 507.5(35)      | 507.5(35)                         | 435(30)                           | 362.5(25)      | 362.5(25)      | 348 (24) /<br>246.5 (17) | 304.5(21)      | 290(20)        | 246.5(17)      | 232(16)        | 101.5(7)       | 174(12)        | 100(7)         | 100(7)           |
| <b>Screw</b><br>Oil                                    | 145<br>38.3  | 140<br>37      | 110<br>29.1                       | 110<br>29.1                       | 110<br>29.0    | 100<br>26.4    | 23.8                     | 90<br>23.8     | 80<br>21.1     | 70<br>18.5     | 50<br>13.2     | 40<br>10.6     | 40<br>10.6     | 20<br>5.3      | 20<br>5.3        |
| <b>Brand</b>   | VOLVO  |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |
| <b>Model</b>   | TAD1643VE-B  | OSZ14-C560-31  | OSZ13-C550-30                     | QSZ13-C550-30                     | QSZ13-C475-30  | QSL8 9-C360-31 | QSL8 9-C360-30           | OSL8 9-C325-30 | QSC8.3-C260-30 | QSB5.9-C210-30 | QSB5.9-C210-30 | OSB3.9-C150    | OSB3.9-C150    | 4TNM88         | YANMAR<br>KUBOTA |
| <b>Power (HP/KW)</b>                                   | 768/565  | 600/441        | 550/410                           | 550/410                           | 475/354        | 400/294        | 360/264                  | 325/242        | 260/194        | 210/154        | 210/154        | 150/112        | 150/112        | 48/35          | 48/35            |
| <b>Rated/Idle Speed (rpm)</b>                          | 1800, 1900/1350  | 1750/1350      | 1700/1350                         | 1850/1350                         | 1800           | 1850           | 1800/1350                | 1800/1350      | 1800/1350      | 2000/1350      | 2200/1350      | 2200           | 2000           | 3000/1800      | 2600/1600        |
| <b>Emission</b>  | EU STAGE IIIA  |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |
| <b>Battery Voltage(V)</b>                              | 24   |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |
| <b>Fuel Tank</b><br>I<br>us gal                        | 1000/1200<br>264.177/317.01                                  | 1200<br>317.01 | 800<br>211.34                     | 800<br>211.3                      | 800<br>211     | 700<br>185     | 600<br>158.5             | 600<br>158.5   | 600<br>158.5   | 250<br>66.04   | 180<br>47.55   | 200<br>53      | 200<br>53      | 90<br>23.78    | 90<br>23.78      |
| <b>Connectors*Qty</b>                                  | G3/4"×1, 2"×1  |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |
| <b>Wheel*Qty</b>                                       | 20×12-16×4   | 20×12-16×4     | ST235/80R 16×4                    | 215/75R 17.5×4                    | ST235/80R 16×4 | 215/75R 16C×4  | 215/75R 16×4             | 215/75R 16×4   | 215/75R 16×4   | 235/80R 16×2   | 7.00-16×2      | 185R14LT×2     | 185R14LT×2     | 165R13×2       | 165R13×2         |
| <b>Weight (kg)</b>                                     | 8400   | 8000           | 5500(6000)/<br>6500(7000)         | 5500(6000)/<br>6500(7000)         | 6000           | 4500           | 4500                     | 4300           | 4300           | 3000           | 2700           | 1800           | 1800           | 1250           | 1250             |
| <b>Dimension (mm)</b> Skid-mounted                     | 4800×2200×2650   | 4800×2200×2650 | 3900×2100×2300/<br>4200×2100×2300 | 3900×2100×2300/<br>4200×2100×2300 | 3900×2100×2300 | 3650×2030×1860 | 4040×2030×2250           | 4040×2030×2250 | 4040×2030×2250 | 2700×1550×1700 | 2700×1550×1700 | 3600×1850×1800 | 3600×1850×1800 | 2060×1200×1200 | 2060×1200×1200   |
| <b>Dimension (mm)</b> Tow                              | 5370×2200×2640   | 5300×2200×2750 | 4250×2100×2650/<br>4550×2100×2650 | 4250×2100×2650/<br>4550×2100×2650 | 4300×2100×2800 | 4040×2030×2250 | 3650×2030×1860           | 3650×2030×1860 | 3650×2030×1860 | 3950×2050×1980 | 3950×2050×1980 | 2250×1400×1500 | 2250×1400×1500 | 3400×1650×1500 | 3400×1650×1500   |
| <b>Noise (dB(A))</b>                                   | 85±5   |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |
| <b>Working Temp. (°C)</b>                              | -10°C ~ +50°C (Special Working Conditions Can be Customized) |                |                                   |                                   |                |                |                          |                |                |                |                |                |                |                |                  |

**OPTIONAL PARTS:**

1. Built-in after cooler and air-water separator meet the special requirements for discharge temperature and quality.
2. Suction fan, to ensure that the air flow to normal operation below-15°C.
3. Free choice of mobile wheels and skid-mounted.
4. Engine cooling water heating system.
5. High and low double pressure switching mode.
6. PTO full range of customization

# Application case



## Air System Solutions

PTO



Electric air compressor



Electric oil-free air compressor



Diesel oil-free air compressor



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