

| | | PDS65L-5C5 | PDS65LC-5C5 After-Cooler | PDS80L-5C5 | PDS80LC-5C5 After-Cooler | PDS80S-5C5 | PDS80SC-5C5 After-Cooler | |
|---------------------------------|-------------------------------|---|-----------------------------|-------------------------|-----------------------------|------------------|-----------------------------|------------------|
| COMPRESSOR | Type | Rotary Twin Screw, Single-Stage, Oil-cooled | | | | | | |
| | Free air delivery | m ³ /min | 1.84 | 1.84 | 2.3 | 2.3 | 2.3 | |
| | Rated operating pressure | MPa[kgf/cm ²][psi] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] |
| | Compressor capacity | L | 7.0 | 7.0 | 8.0 | 8.0 | 8 | 8 |
| | Air outlet valve | | 3/4"×1 Air Chuck 3/8"×1 | 3/4"×1 Air Chuck 3/8"×1 | 3/4"×2 | 3/4"×2 | 3/4"×2 | 3/4"×2 |
| ENGINE | Make/Model | KUBOTA D722-K3A | | | | | | |
| | Type | Swirl Chamber | | | | | | |
| | Rated output | PS (kW) /min ⁻¹ | 19.2(14.1)/3,600 | 19.2(14.1)/3,600 | 23.1(17.0)/3,600 | 23.1(17.0)/3,600 | 23.1(17.0)/3,600 | 23.1(17.0)/3,600 |
| | Engine oil capacity | L | 3.8 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 |
| | Fuel tank capacity | L | 18 | 18 | 33 | 33 | 25 | 25<33> |
| DIMENSION & WEIGHT | Battery | | 55B24R 1ヶ | 55B24R×1 | 55B24R×1 | 55B24R×1 | 55B24R×1 | 55B24R×1 |
| | L×W×H | mm | 1,250×700×800 | 1,250×700×800 | 1,395×770×880 | 1,395×770×880 | 1,375×770×865 | 1,375×770×865 |
| | Dry (Operating) weight | kg | 310(340) | 315(345) | 420(460) | 430(470) | 400(435) | 405(440) |
| | Sound power level in decibels | dB | — | — | 93 | 93 | 93 | 93 |
| | Sound pressure level | dB[A] | — | — | 66 | 67 | 66 | 66 |
| Designated emissions regulation | | JPN Stage 3 | | | | | | |

| | | PDS100L-5C5 | PDS100LC-5C5 After-Cooler | PDS100S-5C5 | PDS100SC-5C5 After-Cooler | PDS140L-5C5 | PDS140LC-5C5 After-Cooler | |
|---------------------------------|-------------------------------|---|------------------------------|------------------|------------------------------|-------------------|------------------------------|-------------------------|
| COMPRESSOR | Type | Rotary Twin Screw, Single-Stage, Oil-cooled | | | | | | |
| | Free air delivery | m ³ /min | 2.8 | 2.8 | 2.8 | 2.8 | 4.0 | 4.0 |
| | Rated operating pressure | MPa[kgf/cm ²][psi] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] | 0.7[7.14][102] |
| | Compressor capacity | L | 9.0 | 9.0 | 9 | 9 | 14.0 | 14.0 |
| | Air outlet valve | | 3/4"×2 | 3/4"×2 | 3/4"×2 | 3/4"×2 | 3/4"×2 Air Chuck 3/8"×1 | 3/4"×2 Air Chuck 3/8"×1 |
| ENGINE | Make/Model | KUBOTA D1105-K3B | | KUBOTA D1105-K3B | | YANMAR EDM-3TNV88 | | |
| | Type | Swirl Chamber | | Swirl Chamber | | Direct-Injection | | |
| | Rated output | PS (kW) /min ⁻¹ | 26.1(19.2)/3,400 | 26.1(19.2)/3,400 | 26.1(19.2)/3,400 | 26.1(19.2)/3,400 | 36.5(26.9)/3,000 | 36.5(26.9)/3,000 |
| | Engine oil capacity | L | 4.5 | 4.5 | 4.5 | 4.5 | 6.7 | 6.7 |
| | Fuel tank capacity | L | 33 | 33 | 28 | 28 | 69 | 69 |
| DIMENSION & WEIGHT | Battery | | 80D26R×1 | 80D26R×1 | 80D26R×1 | 80D26R×1 | 85D26R×1 | 85D26R×1 |
| | L×W×H | mm | 1,505×800×905 | 1,505×800×905 | 1,460×770×900 | 1,460×770×900 | 1,580×890×1,130 | 1,580×890×1,130 |
| | Dry (Operating) weight | kg | 515(555) | 525(565) | 460(500) | 470(510) | 690(770) | 700(780) |
| | Sound power level in decibels | dB | 93 | 95 | 93 | 93 | - | - |
| | Sound pressure level | dB[A] | 67 | 67 | 67 | 67 | - | - |
| Designated emissions regulation | | JPN Stage 3 | | | | | | |

● Specifications are subject to change without notice.

LEAKGUARD ENGINE COMPRESSOR PDS-L/PDS-LC series

Portable Diesel Screw



AIRMAN®

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AIRMAN USA CORPORATION

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**OUR HEAD OFFICE AND PLANT ARE CERTIFIED
TO BOTH ISO 9001 AND ISO 14001.**



Niigata plant:

Shimo Aozu, Tsubame-city, Niigata-prefecture, Japan.

ISO9001 : JQA-0581

ISO14001 : JQA-EM4670

SAFETY

- Operate safely in accordance with operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.



DISTRIBUTOR :



PDS80L



PDS100LC
After-Cooler

Eco-friendly integrated oil fence. 「Leak-Guard」

Oil fences are incorporated for the first time in the industry.

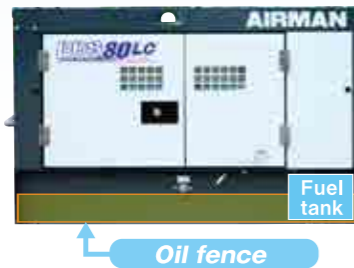
Equipped with high-efficiency AS rotors that achieve increased air volume and low fuel consumption.



Fully equipped

Oil fence

In case fuel, oil or cooling water leaks on the frame, the oil fence prevents the leakage from flowing outside.



※It does not guarantee to prevent all oil leaks.

Easy operation

The machine will run at minimum load and rpm automatically by turning the key switch. In case of failure, operator can view the fault codes from the digital display panel.



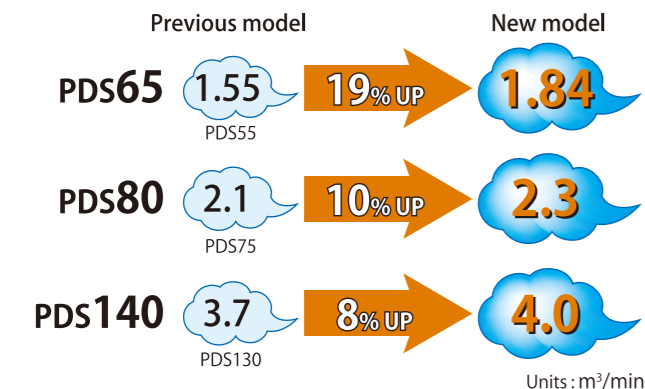
● Protective device

| | |
|----------------|--|
| Emergency stop | Discharged air temp, Coolant temp, Low oil pressure, Engine oil temp(PDS80 only) Sensor disconnections(discharged air temp,coolant temp), Start failure |
| Alarm | Discharged air temp, Coolant temp, Air filter, Charging, Oil fence |

Large increase in air delivery

(PDS65, PDS80, PDS140)

Adopted new AIR-END "AS rotor". Increased Free air delivery and improved fuel consumption.



A rotation stopper is equipped in the service valve

Rotation stoppers are equipped on the service valves to prevent loosening from the daily attaching and reattaching of air tools.



A structure without central pillars

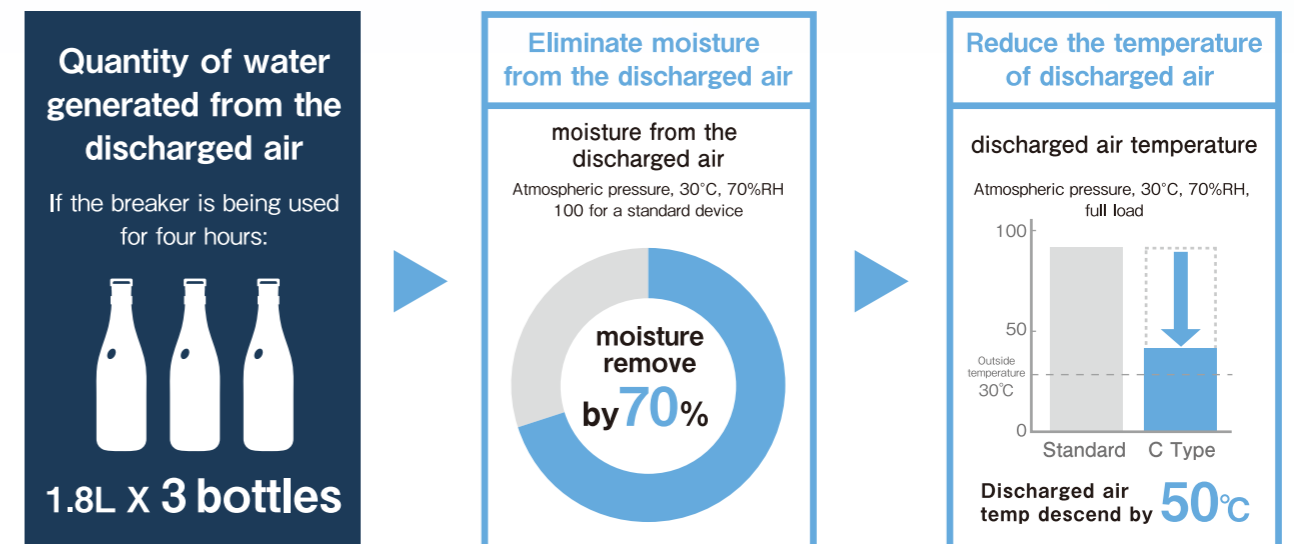
(PDS80L/80LC/100L/100LC/PDS140L/PDS140LC)

No interior, central pillar for easier access to maintenance items.



After-Cooler (PDS65LC,PDS80LC,PDS100LC,PDS140LC)

As the After-cooler cools and condenses the moisture in the compressed air, the discharged air contains only a small amount of water



Built-in After-Cooler (After-Cooler)

A compact design of Standard bonnet structure with built-in After-cooler.

A built-in drain tank (After-Cooler)

(PDS80LC, PDS100LC, PDS140LC)

A built-in After-cooler drain tank that does not discharge to the outside. The tank is easily detachable for easy disposal of drain water.



PDS100LC