

Engine Compressors

PDS series

AIRMAN®

ENGINE COMPRESSORS

PDS series

Portable Diesel Screw



PDS100LC



PDSF550S

HOKUETSU INDUSTRIES CO., LTD.

CHALLENGE TO THE NEW ERA

Engine Compressor **PDS** Series



MODEL LINEUP

We have a wide range of compressor models that you can choose from to suit your needs.

			Model[Free air delivery(CFM)]										
Standard Pressure	Air Quality	Bonnet	65	80	100	130	140	185	265	390	400	670	750
	Standard Pressure	Box											
		Leak-Guard											
		Trailer											
	After Cooler	Box											
		Leak-Guard											
		Trailer											
	Dry-Air	Box											
		Leak-Guard											
		Trailer											

			Model[Free air delivery(CFM)]																
Variable pressure specifications High pressure	Air Quality	Bonnet	F80	F100	F140	F210	F315	F550	F1000	G290	G750	G900	G1400	J850	J1100	J1550	K930	K1250	
	Standard Pressure	Box																	
		Leak-Guard																	
		Trailer																	
	After Cooler	Box																	
		Leak-Guard																	
		Trailer																	
	Dry-Air	Leak-Guard																	
		Trailer																	

			Model[Free air delivery(CFM)]			
Standard Pressure JPN Stage 2	Air Quality	Bonnet	265	400	655	750
	Standard Pressure	Box				
		Leak-Guard				
		Trailer				
	After Cooler	Box				
		Trailer				
	Dry-Air	Leak-Guard				
		Trailer				

			Model[Free air delivery(CFM)]										
Dual pressure High pressure JPN Stage 2	Air Quality	Bonnet	E900	F330	F530	F750	F830	F950	G460	G750	H600	H850	J750
	Standard Pressure	Trailer											
	After Cooler	Trailer											
	Dry-Air	Trailer											

Pressure Range

Standard Pressure PDS

Standard AIRMAN engine compressors. Highly durable with excellent fuel efficiency.



High Pressure PDSF/G/J/K

AIRMAN high-pressure series, providing powerful air pressure.



Variable Pressure PDS-VR/DP

AIRMAN variable pressure series performs many roles, providing for both standard and high pressure needs.



Air Quality

Standard PDS

Standard AIRMAN engine compressors. Oil is separated in consideration of the environment.



After-Cooler PDS-C

Compressed air is cooled to remove moisture. Discharged air only contains a very small amount of moisture.



Dry-Air PDS-D

Provides dry air with low humidity. It is safe even during rainy and humid days.



Enclosure

Box

Box-shaped and stackable, taking up very little storage space.



Leak-Guard

When fuel or oil leaks, the oil fence prevents leakage to the outside as much as possible.



Trailer

Compressors with trailer are easy to move on the construction site.



JPN Stage 2

Standard Pressure PDS

Standard AIRMAN engine compressors. Excellent durability.



High Pressure PDSE/F/G/H/J

AIRMAN high-pressure series providing powerful air pressure.



Eco-friendly integrated oil fence.

「Leak-Guard」

DP

Dual Pressure specifications

VR

Variable pressure specifications



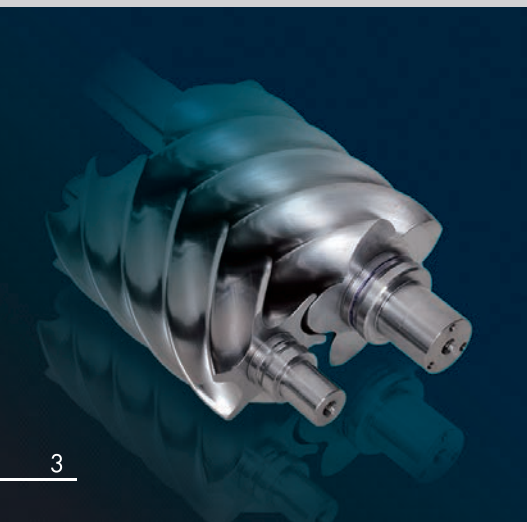
Oil fences are incorporated for the first time in the industry. Equipped with high-efficiency AS rotors that achieve increased air volume and low fuel consumption.

Applicable models

PDS65L	After-Cooler PDS65LC	PDS80L	After-Cooler PDS80LC	PDS100L	After-Cooler PDS100LC	
PDS140L	After-Cooler PDS140LC	PDS185S	After-Cooler PDS185SC	PDS400L	After-Cooler PDS400LC	Dry-Air PDS400LD
Variable pressure specifications PDSG290LVR		Variable pressure specifications / After-Cooler PDSG290LVRC		Variable pressure specifications / Dry-Air PDSG290LVRD		
Dual Pressure specifications PDSG1400LDP		Variable pressure specifications PDSG1400LVR		Dual Pressure specifications PDSK930LDP		Dual Pressure specifications PDSK1250LDP

PDS 100 L C - 5 C5

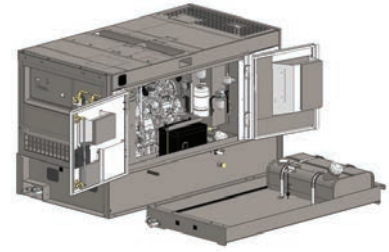
- ① Portable Diesel Screw
- ② Free air delivery (CFM) 1m³/min=35CFM
- ③ Bonnet type L: Leak-Guard
- ④ Pressure types
S : Single pressure DP : 2 stage pressure switching VR : Continuous variable control
※PDS185S/SC-7C5 only
- ⑤ Special specifications
C : After-Cooler D : Dry-Air
- ⑥ Types
5 : BOX 7 : Oil fence
※PDS185S/SC-7C5 only



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.



Eco-friendly and easy maintenance

Built-in drain tank (After-Cooler)

(PDS80LC/100LC/140LC/400LC/400LD/PDSG290LVRC/PDSG290LVLD)

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

Oil drain hose

(PDS185S/185SC)

A hose is equipped to make it easy to discharge engine oil.



Central pillarless structure

(PDS80L/80LC/100L/100LC/140L/PDS140LC/400L/400LC/400LD/PDSG290LVR/290LVRC/290LVLD)

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



ECO mode / AUTO ECO mode

(PDS100L/100LC)

Equipped with [ECO] and [ECO AUTO] buttons. Changes unload rpm dependent on application, saving on fuel consumption.

ECO mode increases fuel savings by lowering engine rpm during periods of lower load.

Leak-Guard PDS series



PDS65L



PDS65LC



PDS80L



PDS80LC



PDS100L



PDS100LC

			PDS65L-5C5	PDS65LC-5C5 After-Cooler	PDS80L-5C5	PDS80LC-5C5 After-Cooler	PDS100L-5C5	PDS100LC-5C5 After-Cooler	
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled						
	Free air delivery	m ³ /min	1.84		2.3		2.8		
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]						
	Compressor oil capacity	L	7.0		8.0		9.0		
	Receiver tank capacity	m ³	0.009		0.014		0.017		
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20	—	Atmospheric Temperature+20	—	Atmospheric Temperature+20	
	Air outlet valve		3/4"×1, Air Chuck 3/8"×1			3/4"×2			
ENGINE	Make/Model		KUBOTA D722-K3A		KUBOTA D902-K3A		KUBOTA D1105-K3A		
	Type		Swirl Chamber						
	Rated output	kW(PS) /min ⁻¹	14.1 (19.2) /3,600		17.0(23.1) /3,600		19.2(26.1) /3,400		
	Engine oil capacity	L	3.8		3.7		4.5		
	Fuel tank capacity	L	18		33				
	Fuel consumption (70% Load)	L/Hr	2.7		3.4		4.2		
	Coolant capacity	L	4.0		3.7		4.1		
Battery		55B24R×1					85D26R×1		
DIMENSION & WEIGHT	L×W×H	mm	1,250×700×800		1,395×770×880		1,505×800×905		
	Dry (Operating) weight	kg	310(340)	315(345)	420(460)	430(470)	515(555)	525(565)	
	Sound power level in decibels	dB	93					94	
	Sound pressure level	dB[A]	67						
	Designated emissions regulation		JPN Stage 3						

*Reference value.

●Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

Leak-Guard PDS series



PDS140L



PDS140LC



PDS185S



PDS185SC

			PDS140L-5C5	PDS140LC-5C5 After-Cooler	PDS185S-7C5	PDS185SC-7C5 After-Cooler	
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m ³ /min	4.0		5.2		
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]				
	Compressor oil capacity	L	14.0		15.0		
	Receiver tank capacity	m ³	0.020				
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20		—	Atmospheric Temperature+20
	Air outlet valve		3/4"×2, Air Chuck 3/8"×1		3/4"×3		
ENGINE	Make/Model		YANMAR 3TNV88-BDHK2		YANMAR 4TNV88-BDHKSR		
	Type		Direct-Injection				
	Rated output	kW(PS) /min ⁻¹	26.9 (36.5) /3,000		34.9 (47.5) /3,000		
	Engine oil capacity	L	6.7		7.4		
	Fuel tank capacity	L	69		92		
	Fuel consumption (70% Load)	L/Hr	4.9		6.3		
	Coolant capacity	L	4.5		5.8		
	Battery		85D26R×1				
DIMENSION & WEIGHT	L×W×H	mm	1,580×890×1,130		1,850×950×1,300		
	Dry (Operating) weight	kg	690 (770)	700 (780)	825 (925)	835 (935)	
	Sound power level in decibels	dB	94				
	Sound pressure level	dB[A]	66		68		
	Designated emissions regulation		JPN Stage 3				

*Reference value.

● Specifications are subject to change without notice.



PDS400L



PDS400LC



PDS400LD

			PDS400L-5C5	PDS400LC-5C5 After-Cooler	PDS400LD-5C5 Dry-Air
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	11.3		
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]		
	Compressor oil capacity	L	40		
	Receiver tank capacity	m ³	0.077		
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20	Atmospheric Temperature+40
	Air outlet valve		3/4"×3, 2"×1		
ENGINE	Make/Model		KUBOTA V3800-DI-TI-K3B		
	Type		Direct-Injection, Turbo-Charged, Intercooled		
	Rated output	kW(PS)/min ⁻¹	79.3(107.8)/2,600		
	Engine oil capacity	L	13		
	Fuel tank capacity	L	177		
	Fuel consumption (70% Load)	L/Hr	13.6		
	Coolant capacity	L	15.6		21
	Battery		130F51×1		
DIMENSION & WEIGHT	L×W×H	mm	2,600×1,300×1,300		
	Dry (Operating) weight	kg	1,560(1,760)	1,610(1,810)	1,660(1,860)
	Sound power level in decibels	dB	99		
	Sound pressure level	dB[A]	71		
	Designated emissions regulation		JPN Stage 3		

*Reference value.

● Specifications are subject to change without notice.



PDSG290LVR



PDSG290LVRC



PDSG290LVRD

			PDSG290LVR-5C5 Variable pressure	PDSG290LVRC-5C5 Variable pressure / After-Cooler	PDSG290LVRD-5C5 Variable pressure / Dry-Air
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	9.6~8.2		
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.6[6.12][87]~1.4[14.3][203]		
	Compressor oil capacity	L	38		
	Receiver tank capacity	m ³	0.076		
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20	Atmospheric Temperature+40
	Air outlet valve		3/4"×3, 2"×1		
ENGINE	Make/Model		KUBOTA V3800-DI-T-K3B		
	Type		Direct-Injection, Turbo-Charged, Intercooled		
	Rated output	kW (PS) /min ⁻¹	79.3 (107.8) /2,600		
	Engine oil capacity	L	13		
	Fuel tank capacity	L	177		
	Fuel consumption (70% Load)	L/Hr	14.5		
	Coolant capacity	L	15.6		21
	Battery		130F51×1		
DIMENSION & WEIGHT	L×W×H	mm	2,600×1,300×1,300		
	Dry (Operating) weight	kg	1,590 (1,790)	1,640 (1,840)	1,690 (1,890)
	Sound power level in decibels	dB	99		
	Sound pressure level	dB[A]	70		
	Designated emissions regulation		JPN Stage 3		

*Reference value.

●Specifications are subject to change without notice.



PDSG1400LDP



PDSG1400LVR



PDSK930LDP



PDSK1250LDP

			PDSG1400LDP-5C5 Dual Pressure	PDSG1400LVR-5C5 Variable pressure	PDSK930LDP-5C5 Dual Pressure	PDSK1250LDP-5C5 Dual Pressure
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		Rotary Twin Screw, Two-Stage, Oil-cooled	
	Free air delivery	m ³ /min	39.7	42.5~39.7	29.7/25.5	35.4
	Rated operating pressure	MPa [kgf/cm ²][psi]	1.03[10.5][150]/ 1.4[14.3][203]	0.65[6.63][94]~ 1.4[14.3][203]	2.0[20.4][290] / 2.5[25.5][363]	
	Compressor oil capacity	L	200		98	165
	Receiver tank capacity	m ³	0.384		0.171	0.232
	Air outlet valve		3/4"×1, 3"×1		3/4"×1, 2"×1	3/4"×1, 3"×1
ENGINE	Make/Model		KOMATSU SAA6D140E-5-B		KOMATSU SAA6D125E-5-C	KOMATSU SAA6D140E-5-B
	Type		Direct-Injection, Turbo-Charged, Intercooled			
	Rated output	kW (PS) /min ⁻¹	398 (541.1) /2,000		282.9 (384.6) /2,100	398 (541.1) /2,000
	Engine oil capacity	L	61		41	61
	Fuel tank capacity	L	780		710	880
	Fuel consumption (70% Load)	L/Hr	83.6	65.0	51.4 (2.0MPa) 51.0 (2.5MPa)	78.5
	Coolant capacity	L	68		69	75
	Battery		225H52×2		170F51×2	225H52・2ヶ
DIMENSION & WEIGHT	L×W×H	mm	4,750×1,950×2,050		4,300×1,850×1,900	4,850×2,150×2,100
	Dry (Operating) weight	kg	6,610 (7,530)		5,080 (5,850)	7,250 (8,250)
	Sound power level in decibels	dB	104		102	104
	Sound pressure level	dB[A]	74		73	74
	Designated emissions regulation		JPN Stage 3			

●Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2



01

High-efficiency rotors achieve large air volume

AS rotors (highly-efficient rotors) enable the device to efficiently produce high-level volumes of air. High efficiency AS rotors enable to produce the class-leading air volume.

AIRMAN PDS series

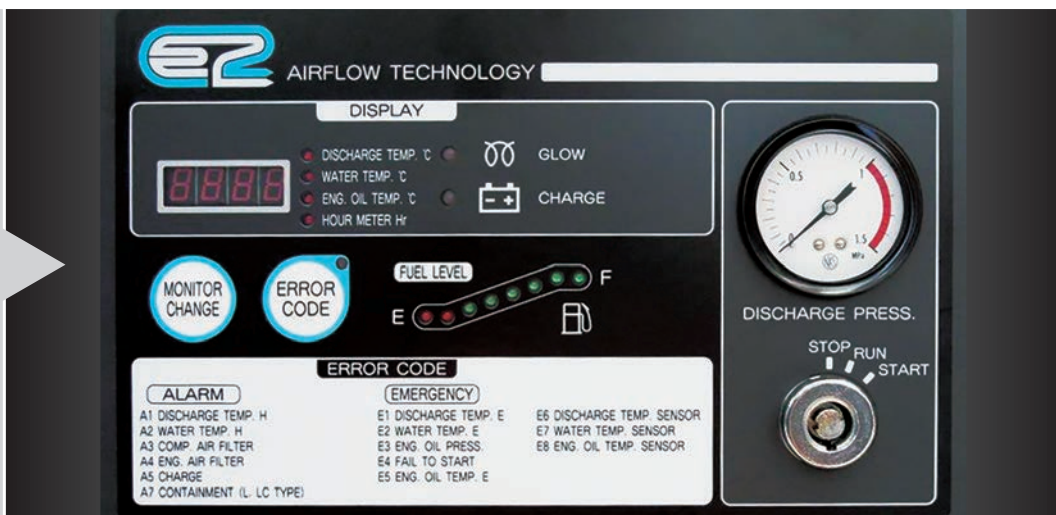
AIRMAN PDS series is the most popular compressor at construction sites. You can choose from a wide range of models from small to very large types to suits your needs.

The series features a sound-proof structure that is certified as a low-noise device, including ease of operation, monitor screens, and an emergency stop function. Also, the high-performance compressor has been field-proven to be durable and fuel efficient.

02

Excellent operability

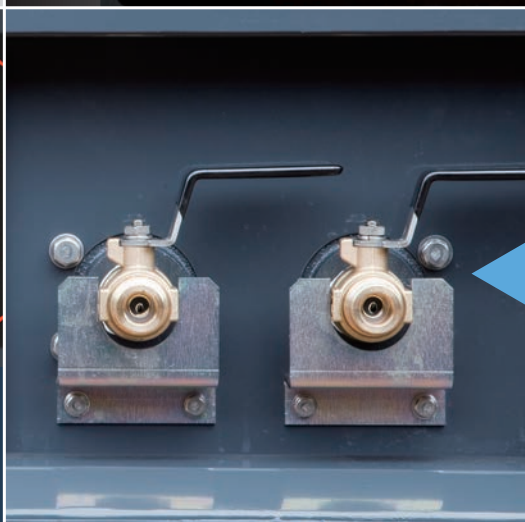
Digital monitor panels and touch screen panel are provided for visibility, while the pressure gauge is equipped with an analog meter that is easy to understand.



Touch screen Panel

※Image is for illustration purposes.

Touch screen Panel adoption model —
PDS400L/LC/LD, PDSG290LVR/C/D,
PDSK930LDP, PDSK1250LDP



03

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.

04

Large wheels

We selected the most suitable wheel dimensions for effortless movement on-site.



05

Highly durable compressor oil

The series employs high-performance compressor oil originating from AIRMAN's independent research.

06

The lineup of eco-friendly equipped oil fences 「Leak-Guard」

Eco-friendly type with an integrated 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.

Built-in aftercooler drain tank allows to accumulates condensate. The tank is easily detachable for easy disposal of drain water.



Oil fence

「Leak-Guard」Applicable models

Posted on P.4

PDS65L	After-Cooler PDS65LC
PDS80L	After-Cooler PDS80LC
PDS100L	After-Cooler PDS100LC

Posted on P.5

PDS140L	After-Cooler PDS140LC
PDS185S	After-Cooler PDS185SC
PDS400L	After-Cooler PDS400LC

Dry-Air PDS400LD

Posted on P.6

Variable pressure specifications PDSG290LVR	Variable pressure specifications / After-Cooler PDSG290LVRC
Variable pressure specifications / Dry-Air PDSG290LVRD	
Dual Pressure specifications PDSG1400LDP	Variable pressure specifications PDSG1400LVR
Dual Pressure specifications PDSK930LDP	Dual Pressure specifications PDSK1250LDP

07

Variable pressure

Meeting the needs of a wide variety of applications.



08

Abundant options

AIRMAN's portable air compressor has variety of options to make you more convenient. Please contact us for more details.

Standard PDS series



PDS80S



PDS100S



PDS130S

			PDS80S-5C5 Box	PDS100S-5C5 Box	PDS130S-5C3 Box
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	2.3	2.8	3.7
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]		
	Compressor oil capacity	L	8	9	15
	Receiver tank capacity	m ³	0.014	0.017	0.020
	Air outlet valve		3/4"×2		
ENGINE	Make/Model		KUBOTA D902-K3A	KUBOTA D1105-K3A	YANMAR 3TNV88-BDHK
	Type		Swirl Chamber		
	Rated output	kW (PS) /min ⁻¹	17.0 (23.1) /3,600	19.2 (26.1) /3,400	26.9 (36.5) /3,000
	Engine oil capacity	L	3.7	4.5	6.7
	Fuel tank capacity	L	25	28	70
	Fuel consumption (70% Load)	L/Hr	3.4	4.2	5.2
	Coolant capacity	L	3.7	4.1	4.5
DIMENSION & WEIGHT	Battery		55B24R×1	85D26R×1	
	L×W×H	mm	1,375×770×865	1,460×770×900	1,580×890×1,080
	Dry (Operating) weight	kg	400 (435)	460 (500)	640 (720)
	Sound power level in decibels	dB	93		
	Sound pressure level	dB[A]	66	67	66
	Designated emissions regulation		JPN Stage 3		

●Specifications are subject to change without notice.



PDS185S



PDS185S



PDS265S



PDS265S

			PDS185S-5C5 Box	PDS185S-6C2 Trailer	PDS265S-5C3 Box	PDS265S-4C3 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	5.2		7.5	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]		0.69[7.0][100]	
	Compressor oil capacity	L	15		30	
	Receiver tank capacity	m ³	0.020		0.069	
	Air outlet valve		3/4"×3		3/4"×4, 2"×1(OP)	
ENGINE	Make/Model		YANMAR 4TNV88-BDHKSR	YANMAR 4TNV88-BDXHKS1	YANMAR KDP-4TNV98T	
	Type		Direct-Injection		Direct-Injection, Turbo-Charged	
	Rated output	kW (PS) /min ⁻¹	34.9 (47.5) /3,000	36.4 (49.5) /3,000	61.2 (83.2) /2,500	
	Engine oil capacity	L	7.4		11	
	Fuel tank capacity	L	90		115	
	Fuel consumption (70% Load)	L/Hr	6.3		10.0	
	Coolant capacity	L	5.8		10	
DIMENSION & WEIGHT	Battery		85D26R×1		95D31R×1	
	L×W×H	mm	1,850×950×1,080	2,960×1,650×1,510	2,050×1,200×1,250	2,400×1,550×1,650
	Dry (Operating) weight	kg	755 (850)	860 (960)	1,150 (1,290)	1,350 (1,490)
	Tire Size		—	175/80R13 97/95N×2W	—	145/80R12 86/84N×2W
	Sound power level in decibels	dB	95	98	98	
	Sound pressure level	dB[A]	68	72	70	
	Designated emissions regulation		JPN Stage 3	US Tier 3	JPN Stage 3	

●Specifications are subject to change without notice.



PDS390S



PDS390S

			PDS390S-5C1 Box	PDS390S-4C1 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	11.0	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]	
	Compressor oil capacity	L	50	
	Receiver tank capacity	m ³	0.098	
	Air outlet valve		3/4"×4, 2"×1	
ENGINE	Make/Model		ISUZU CI-4JJ1X	
	Type		Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	kW(PS)/min ⁻¹	84.4(114.8)/2,200	
	Engine oil capacity	L	15	
	Fuel tank capacity	L	180	
	Fuel consumption (70% Load)	L/Hr	15.5	
	Coolant capacity	L	11	
DIMENSION & WEIGHT	Battery		85D26R×2	
	L×W×H	mm	2,680×1,300×1,400	3,065×1,405×1,870
	Dry (Operating) weight	kg	1,660(1,870)	1,965(2,175)
	Tire Size		—	175/80R13 97/95N×4W
	Sound power level in decibels	dB	99	98
	Sound pressure level	dB[A]	70	
	Designated emissions regulation		JPN Stage 3	

● Specifications are subject to change without notice.



PDS670S

			PDS670S-4C5 Trailer	
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	19.0	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]	
	Compressor oil capacity	L	97	
	Receiver tank capacity	m ³	0.188	
	Air outlet valve		3/4"×2, 2"×1, Air Chuck 3/8"×1	
ENGINE	Make/Model		ISUZU AI-4HK1X	
	Type		Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	kW(PS)/min ⁻¹	118.6(161)/2,000	
	Engine oil capacity	L	20.5	
	Fuel tank capacity	L	310	
	Fuel consumption (70% Load)	L/Hr	20.5	
	Coolant capacity	L	26	
DIMENSION & WEIGHT	Battery		130F51×2	
	L×W×H	mm	3,690×1,680×2,145	
	Dry (Operating) weight	kg	2,940(3,310)	
	Tire Size		175/80R13 97/95N×4W	
	Sound power level in decibels	dB	102	
	Sound pressure level	dB[A]	76	
	Designated emissions regulation		JPN Stage 3	

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

After-Cooler PDS-C SERIES

Adiabatic expansion within a high-load device such as a concrete breaker, rapidly cools compressed air. As a result, water droplets can scatter from the breaker's exhaust or can freeze in some areas during winter. But since the integrated After-Cooler cools, condenses and eliminates moisture from compressed air, the discharged air from PDS-C contains only a small amount of water. This functionality proves its true value in chipping and sandblasting operations.

PDS 185 S C - 5 C5

①

②

③

④

① Portable Diesel Screw

② Air volume (CFM) 1m³/min=35CFM

③ Pressure types S : Single pressure

④ Types 3 : Skid

4 : Trailer

5 : Box

Do you have the following experiences?



Dirty due to water splash



Too hot to hold



Rust damages
the air tools



Air bubbles
in the paint



Frozen and unable
to move

All are caused by moisture within the compressed air!

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

Quantity of water generated from the discharged air

If the breaker is being used
for 4 hours:

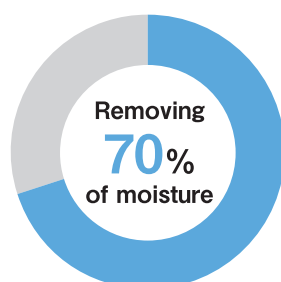


1.8L X 3 bottles

Eliminate moisture from the discharged air

Moisture from the discharged air

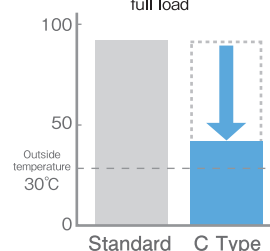
Atmospheric pressure, 30°C, 70%RH,
100 for a standard device



Lower the temperature of discharged air

Discharged air temperature

Atmospheric pressure, 30°C, 70%RH,
full load



Discharged air
temp decreases by **50°C**

After-Cooler PDS series



PDS80SC



PDS100SC



PDS130SC



PDS185SC



PDS185SC

			PDS80SC-5C5 Box	PDS100SC-5C5 Box	PDS130SC-5C3 Box	PDS185SC-5C5 Box	PDS185SC-3C5 Skid
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m ³ /min	2.3	2.8	3.7	5.2	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]		0.69[7.0][100]	0.7[7.14][102]	
	Compressor oil capacity	L	8	9	15		
	Receiver tank capacity	m ³	0.014	0.017	0.020		
	Discharge Air Temperature*	°C	Atmospheric Temperature+20				
	Air outlet valve		3/4"×2			3/4"×3	
ENGINE	Make/Model		KUBOTA D902-K3A	KUBOTA D1105-K3A	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BXDHKSR	
	Type		Swirl Chamber		Direct-Injection		
	Rated output	kW(PS) /min ⁻¹	17.0 (23.1) /3,600	19.2 (26.1) /3,400	26.9 (36.5) /3,000	34.9 (47.5) /3,000	
	Engine oil capacity	L	3.7	4.5	6.7	7.4	
	Fuel tank capacity	L	25	28	70	90	
	Fuel consumption (70% Load)	L/Hr	3.4	4.2	5.2	6.3	
	Coolant capacity	L	3.7	4.1	4.5	5.8	
	Battery		55B24R×1	85D26R×1			
DIMENSION & WEIGHT	L×W×H	mm	1,375×770×865	1,460×770×900	1,580×890×1,080	1,850×950×1,080	1,850×1,130×1,270
	Dry (Operating) weight	kg	405 (440)	470 (510)	650 (730)	765 (860)	800 (900)
	Sound power level in decibels	dB	93		94	95	94
	Sound pressure level	dB[A]	66	67	66	68	65
	Designated emissions regulation		JPN Stage 3				

*Reference value.

● Specifications are subject to change without notice.



PDS265SC



PDS265SC



PDS390SC



PDS390SC

			PDS265SC-5C3 Box	PDS265SC-4C3 Trailer	PDS390SC-5C1 Box	PDS390SC-4C1 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	7.5		11.0	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]			
	Compressor oil capacity	L	30		50	
	Receiver tank capacity	m ³	0.069		0.098	
	Discharge Air Temperature*	°C	Atmospheric Temperature+20			
	Air outlet valve		3/4"×4, 2"×1(OP)		3/4"×4, 2"×1	
ENGINE	Make/Model		YANMAR KDP-4TNV98T		ISUZU CI-4JJ1X	
	Type		Direct-Injection,Turbo-Charged		Direct-Injection,Turbo-Charged, Intercooled	
	Rated output	kW (PS) /min ⁻¹	61.2 (83.2) /2,500		84.4 (114.8) /2,200	
	Engine oil capacity	L	11		15	
	Fuel tank capacity	L	115		180	
	Fuel consumption (70% Load)	L/Hr	10.0		15.5	
	Coolant capacity	L	10		11	
	Battery		95D31R×1		85D26R×2	
DIMENSION & WEIGHT	L×W×H	mm	2,050×1,200×1,250	2,400×1,550×1,650	2,680×1,300×1,400	3,065×1,405×1,870
	Dry (Operating) weight	kg	1,170 (1,310)	1,370 (1,510)	1,700 (1,910)	2,005 (2,215)
	Tire Size		—	145/80R12 86/84N×2W	—	175/80R13 97/95N×4W
	Sound power level in decibels	dB	98		99	98
	Sound pressure level	dB[A]	70			
	Designated emissions regulation		JPN Stage 3			

*Reference value.

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

Dry-Air PDS-D SERIES

AIRMAN PDS-D is a series of compressors that supplies dry air with low humidity. It supplies dry service air at atmospheric temperature +40°C and contains numerous devices such as aftercooler to cool the compressed air, auto drain to discharge collected water, and afterwarmer to lower the humidity of the compressed air. Because the machine frees compressed air from water in humid conditions like a rainy day or even a rainy season, this series is particularly suitable for duct recover, painting, sandblasting, and factory air. *Does not supply oil-free air.

PDS 670 S D - 4 C5

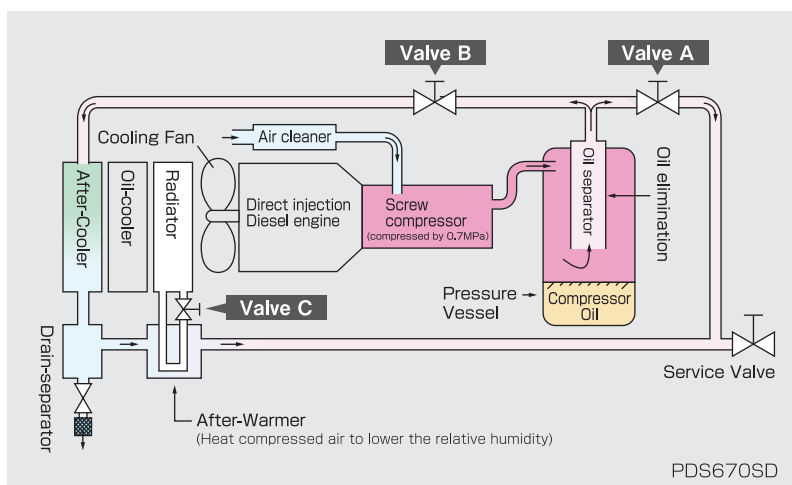
- ① Portable Diesel Screw
- ② Air volume (CFM) 1m³/min=35CFM
- ③ Pressure types S : Single pressure
- ④ Types 4 : Trailer
5 : Box

How dry air is produced?

After the removal of oil by the oil separator, the compressed air is cooled significantly by the aftercooler.

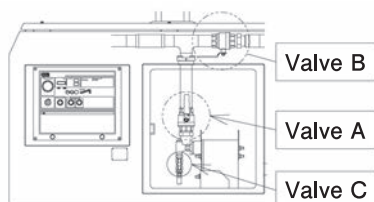
As the compressed air is cooled, a saturated vapor (vapor that cannot be absorbed in the compressed air) is changed into small water drops and then drained.

The dehydrated compressed air is heated by the afterwarmer, reusing the hot water from the engine. The heat makes the compressed air less humid, transforming it into dry air.



Switchable between dry air (high temperature), after-cooled air (low temperature) and normal air

You can switch valves to obtain 3 types of air: dry air, after-cooled air, and normal air depending on application.



	Dry Air (High Temp.)	After-cooler Air (Low Temp.)	Normal Air
Valve A Dehumidification switching	Shut	Open	Open
Valve B Dehumidification switching	Open	Shut	Shut
Valve C Temp. switching for Dry air	Open	Shut	Shut

※After-cooler air of applications: intake air to separated dryer

PDS670SD

Dry-Air PDS series



PDS265SD



PDS265SD

			PDS265SD-5C3 Box	PDS265SD-4C3 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	7.5	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]	
	Compressor oil capacity	L	30	
	Receiver tank capacity	m ³	0.069	
	Discharge Air Temperature*	°C	Atmospheric Temperature+40	
	Air outlet valve		3/4"×4, 2"×1(OP)	
ENGINE	Make/Model		YANMAR KDP-4TNV98T	
	Type		Direct-Injection, Turbo-Charged	
	Rated output	kW (PS) /min ⁻¹	61.2 (83.2) /2,500	
	Engine oil capacity	L	11	
	Fuel tank capacity	L	115	
	Fuel consumption (70% Load)	L/Hr	10.0	
	Coolant capacity	L	10	
DIMENSION & WEIGHT	Battery		95D31R×1	
	L×W×H	mm	2,175×1,200×1,250	2,400×1,550×1,650
	Dry (Operating) weight	kg	1,210 (1,350)	1,410 (1,550)
	Tire Size		—	145/80R12 86/84N×2W
	Sound power level in decibels	dB	98	
	Sound pressure level	dB[A]	70	
	Designated emissions regulation		JPN Stage 3	

*Reference value.

● Specifications are subject to change without notice.



PDS390SD



PDS390SD



PDS670SD

			PDS390SD-5C1 Box	PDS390SD-4C1 Trailer	PDS670SD-4C5 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	11.0		19.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]		0.7[7.14][102]
	Compressor oil capacity	L	50		97
	Receiver tank capacity	m ³	0.098		0.188
	Discharge Air Temperature*	°C	Atmospheric Temperature+40		
	Air outlet valve		3/4"×4, 2"×1		3/4"×2, 2"×1, Air Chuck 3/8"×1
ENGINE	Make/Model		ISUZU CI-4JJ1X		ISUZU AI-4HK1X
	Type		Direct-Injection, Turbo-Charged, Intercooled		
	Rated output	kW (PS) /min ⁻¹	84.4 (114.8) /2,200		118.6 (161) /2,000
	Engine oil capacity	L	15		20.5
	Fuel tank capacity	L	180		310
	Fuel consumption (70% Load)	L/Hr	15.5		20.5
	Coolant capacity	L	11		36
DIMENSION & WEIGHT	Battery		85D26R×2		130F51×2
	L×W×H	mm	2,680×1,300×1,400	3,065×1,405×1,870	3,690×1,680×2,145
	Dry (Operating) weight	kg	1,770 (1,980)	2,075 (2,285)	3,050 (3,430)
	Tire Size		—	175/80R13 97/95N×4W	175/80R13 97/95N×4W
	Sound power level in decibels	dB	99	98	102
	Sound pressure level	dB[A]	70		76
	Designated emissions regulation		JPN Stage 3		

*Reference value.

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

High Pressure

PDSF SERIES

Variable Pressure

PDS-DP/VR SERIES

DP

Dual Pressure

[2 stage pressure switching]

VR

Variable Ratings

[Continuous variable control]



AIRMAN high-pressure compressors and variable pressure compressors are the foundation of urban development. The core of the compressors, screw rotors are all developed in-house allowing us to achieve both incomparable power and variety in our products. This series is particularly effective for urban development projects including foundation work using down-the-hole or large-diameter boring techniques and spraying work to ensure the safety of slopes around a mountain road. Just a single one of our variable pressure compressors can handle multiple roles in a project, adjusting easily to the various pressure and air volume needs of your projects.

PDS G 1400 L VR - 5 C5

1

2

3

4

5

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7

1 Portable Diesel Screw

2 Pressure specification symbols

Blank: 0.7 MPa H: 1.7 MPa
F: 1.03 MPa J: 2.0 MPa
G: 1.4 MPa K: 2.5 MPa

3 Air volume (CFM) 1m³/min=35CFM

4 Bonnet types

Blank: Standard
L: Leak-Guard

5 Pressure types

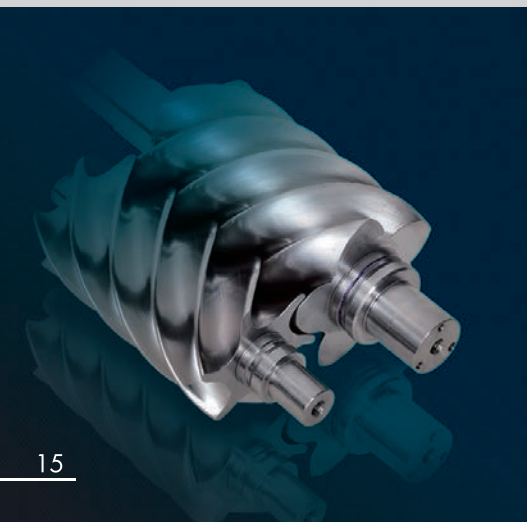
S: Single pressure
DP: 2 stage pressure switching
VR(S): Continuous variable control

6 Special specifications

Blank: Standard
C: After-Cooler
D: Dry-Air

7 Types

4: Trailer
5: Box



High Pressure

Full lineup of the high-pressure series

A wide range of discharge pressure ratings from 1.03 to 2.5 MPa are available depending on usage.

Variable Pressure [DP]

Play a dual role

Pressure Switch is available for switching between low pressure or high pressure depending on usage.

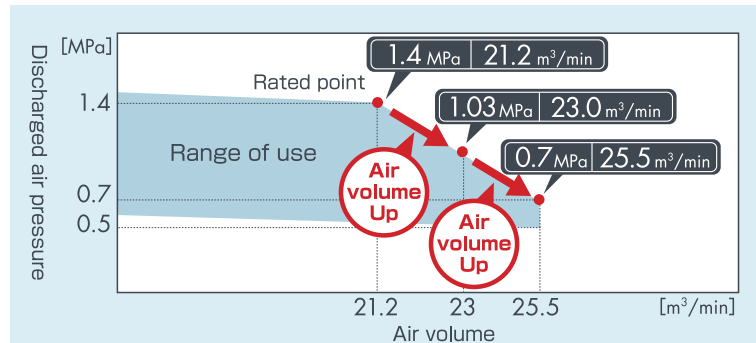
Model	Discharged air pressure (MPa)	Air volume (m ³ /min)
PDSF550S	0.7 / 1.03	17.0 / 15.6
PDSF1000DP	0.7 / 1.03	27.5
PDSG900DP	1.03 / 1.4	24.4
PDSG1400LDP	1.03 / 1.4	39.7
PDSJ850DP	1.7 / 2.0	24.1
PDSJ1100DP	1.7 / 2.0	29.7
PDSJ1550DP	1.7 / 2.0	43.9 / 42.5
PDSK930DP	2.0 / 2.5	25.5
PDSK930LDP	2.0 / 2.5	29.7 / 25.5
PDSK1250LDP	2.0 / 2.5	35.4

Variable Pressure [VR(S)]

Pressure setting that fits each site

You can freely choose any pressure within the range from 0.5MPa to 1.4MPa. Also, it has an integrated air boosting to automatically raise the engine rotation speed if the pressure drops.

Wide-range pressure control(VRS)



PDSG750S

Variable Pressure [VR(S)]

Pressure selector switch

Operator is able to change pressure value in 0.01 MPa increments on the display.



Range setting	Low	Middle	High
Initial setting[MPa]	0.7	1.03	1.4
Range setting[MPa]	0.65~0.75	0.76~1.08	1.09~1.4

※Setting can be adjustable by 0.01MPa

PDSG1400LVR

High Pressure PDSF series



PDSF80S



PDSF100S



PDSF140S

			PDSF80S-5C5 Box	PDSF100S-5C3 Box	PDSF140S-5C3 Box
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	2.15	2.8	4.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.96[9.8][140]	1.03[10.5][150]	
	Compressor oil capacity	L	9.0	15	
	Receiver tank capacity	m ³	0.016	0.020	
	Air outlet valve		3/4"×2		3/4"×3
ENGINE	Make/Model		KUBOTA D1105-K3A	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BDHKS
	Type		Swirl Chamber	Direct-Injection	
	Rated output	kW(PS) /min ⁻¹	19.2(26.1) /3,400	26.9(36.6) /3,000	34.9(49.6) /3,000
	Engine oil capacity	L	4.5	6.7	7.4
	Fuel tank capacity	L	28	70	90
	Fuel consumption (70% Load)	L/Hr	4.2	5.2	6.3
	Coolant capacity	L	4.1	4.5	5.8
	Battery		85D26R×1		
DIMENSION & WEIGHT	L×W×H	mm	1,460×770×900	1,580×890×1,080	1,850×950×1,080
	Dry (Operating) weight	kg	460 (500)	640 (720)	740 (840)
	Sound power level in decibels	dB	92	94	
	Sound pressure level	dB[A]	65		
	Designated emissions regulation		JPN Stage 3		

● Specifications are subject to change without notice.



PDSF315S



PDSF315S

			PDSF210S-5C3 Box	PDSF315S-5C1 Box	PDSF315S-4C1 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	6.0	8.9	
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][150]		
	Compressor oil capacity	L	30	50	
	Receiver tank capacity	m ³	0.0682	0.098	
	Air outlet valve		3/4"×4, 2"×1(OP)	3/4"×4, 2"×1	
ENGINE	Make/Model		YANMAR KDP-4TNV98T	ISUZU CI-4JJ1X	
	Type		Direct-Injection,Turbo-Charged	Direct-Injection,Turbo-Charged, Intercooled	
	Rated output	kW (PS) /min ⁻¹	61.2 (83.2) /2,500	84.4 (114.8) /2,200	
	Engine oil capacity	L	11	15	
	Fuel tank capacity	L	115	180	
	Fuel consumption (70% Load)	L/Hr	10.0	15.5	
	Coolant capacity	L	10	11	
	Battery		95D31R×1	85D26R×2	
DIMENSION & WEIGHT	L×W×H	mm	2,050×1,200×1,250	2,680×1,300×1,400	3,065×1,405×1,870
	Dry (Operating) weight	kg	1,150 (1,290)	1,700 (1,910)	2,005 (2,215)
	Tire Size		—		175/80R13 97/95N×4W
	Sound power level in decibels	dB	98	99	
	Sound pressure level	dB[A]	70		
	Designated emissions regulation		JPN Stage 3		

● Specifications are subject to change without notice.

High Pressure PDSF series After-Cooler



PDSF100SC



PDSF140SC

			PDSF100SC-5C3 Box	PDSF140SC-5C3 Box
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	2.8	4.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][150]	
	Compressor oil capacity	L	15	
	Receiver tank capacity	m ³	0.020	
	Discharge Air Temperature*	°C	Atmospheric Temperature+20	
	Air outlet valve		3/4"×2	3/4"×3
ENGINE	Make/Model		YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BDHS
	Type		Direct-Injection	
	Rated output	kW(PS)/min ⁻¹	26.9(36.5)/3,000	34.9(49.6)/3,000
	Engine oil capacity	L	6.7	7.4
	Fuel tank capacity	L	70	90
	Fuel consumption (70% Load)	L/Hr	5.2	6.3
	Coolant capacity	L	4.5	5.8
DIMENSION & WEIGHT	Battery		85D26R×1	
	L×W×H	mm	1,580×890×1,080	1,850×950×1,080
	Dry (Operating) weight	kg	650(730)	750(850)
	Sound power level in decibels	dB	94	
	Sound pressure level	dB[A]	65	
	Designated emissions regulation		JPN Stage 3	

*Reference value.

● Specifications are subject to change without notice.



PDSF315S



PDSF315S

			PDSF210SC-5C3 Box	PDSF315SC-5C1 Box	PDSF315SC-4C1 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	6.0	8.9	
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][150]		
	Compressor oil capacity	L	30	50	
	Receiver tank capacity	m ³	0.0682	0.098	
	Discharge Air Temperature*	°C	Atmospheric Temperature+20		
	Air outlet valve		3/4"x4, 2"x1(OP)	3/4"x4, 2"x1	
ENGINE	Make/Model		YANMAR KDP-4TNV98T	ISUZU CI-4JJ1X	
	Type		Direct-Injection,Turbo-Charged	Direct-Injection,Turbo-Charged, Intercooled	
	Rated output	kW (PS) /min ⁻¹	61.2 (83.2) /2,500	84.4 (114.8) /2,200	
	Engine oil capacity	L	11	15	
	Fuel tank capacity	L	115	180	
	Fuel consumption (70% Load)	L/Hr	10.0	15.5	
	Coolant capacity	L	10	11	
	Battery		95D31R×1	85D26R×2	
DIMENSION & WEIGHT	L×W×H	mm	2,050×1,200×1,310	2,680×1,300×1,400	3,065×1,405×1,870
	Dry (Operating) weight	kg	1,160 (1,300)	1,740 (1,950)	2,045 (2,255)
	Tire Size		—		175/80R13 97/95N×4W
	Sound power level in decibels	dB	98	99	
	Sound pressure level	dB[A]	70		
	Designated emissions regulation		JPN Stage 3		

*Reference value.

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

Variable Pressure PDS-DP/ VR series



PDSF550S



PDSF550SD



PDSF1000DP



PDSF1000DPC

			PDSF550S-4C5 Trailer	PDSF550SD-4C5 Trailer / Dry-Air	PDSF1000DP-4C5 Trailer	PDSF1000DPC-4C5 Trailer / After-Cooler	
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m ³ /min	17.0/15.6			27.5	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]/1.03[10.5][150]				
	Compressor oil capacity	L	97			110	
	Receiver tank capacity	m ³	0.186			0.224	
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+40		—	Atmospheric Temperature+20
	Air outlet valve		3/4"×2, 2"×1, Air Chuck 3/8"×1			3/4"×1, 2"×3	
ENGINE	Make/Model		ISUZU AI-4HK1X			KOMATSU SAA6D 125E-5	
	Type		Direct-Injection, Turbo-Charged, Intercooled				
	Rated output	kW(PS)/min ⁻¹	118.6(161)/2,000			247(335.8)/1,900	
	Engine oil capacity	L	20.5			41	
	Fuel tank capacity	L	310			600	
	Fuel consumption (70% Load)	L/Hr	21.5			38.1	42.2
	Coolant capacity	L	26	36		64	
	Battery		130F51×2			170F51×2	
DIMENSION & WEIGHT	L×W×H	mm	3,690×1,680×2145			4,370×2,000×2,290	
	Dry (Operating) weight	kg	2,980 (3,350)	3,090 (3,470)		4,990 (5,680)	5,100 (5,790)
	Tire Size		175/80R13 97/95N×4W			7.50-16 14PR×4W	
	Sound power level in decibels	dB	101			105	
	Sound pressure level	dB[A]	72			75	
	Designated emissions regulation		JPN Stage 3				

*Reference value.

●Specifications are subject to change without notice.



PDSG290LVR



PDSG290LVRC



PDSG290LVRD

			PDSG290LVR-5C5 Leak-Guard	PDSG290LVRC-5C5 Leak-Guard / After-Cooler	PDSG290LVRD-5C5 Leak-Guard / Dry-Air
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	9.6~8.2		
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.6[6.12][87]~1.4[14.3][203]		
	Compressor oil capacity	L	38		
	Receiver tank capacity	m ³	0.076		
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20	Atmospheric Temperature+40
	Air outlet valve		3/4"×3, 2"×1		
	Make/Model		KUBOTA V3800-DI-TI-K3B		
ENGINE	Type		Direct-Injection, Turbo-Charged, Intercooled		
	Rated output	kW(PS) /min ⁻¹	79.3(107.8) /2,600		
	Engine oil capacity	L	13		
	Fuel tank capacity	L	177		
	Fuel consumption (70% Load)	L/Hr	14.5		
	Coolant capacity	L	15.6		21
	Battery		130F51×1		
	L×W×H	mm	2,600×1,300×1,300		
DIMENSION & WEIGHT	Dry (Operating) weight	kg	1,590(1,790)	1,640(1,840)	1,690(1,890)
	Sound power level in decibels	dB	99		
	Sound pressure level	dB[A]	70		
	Designated emissions regulation		JPN Stage 3		

*Reference value.

●Specifications are subject to change without notice.



PDSG750S



PDSG750SD

			PDSG750S-4C5 Trailer	PDSG750SD-4C5 Trailer / Dry-Air
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	25.5~21.2	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.5[5.1][73]~1.4[14.3][203]	
	Compressor oil capacity	L	82	
	Receiver tank capacity	m ³	0.213	
	Discharge Air Temperature*	°C	—	
	Air outlet valve		Atmospheric Temperature+40	
ENGINE	Make/Model		3/4"×2, 2"×1	
	Type		HINO J08E-UK	
	Rated output	kW (PS) /min ⁻¹	Direct-Injection, Turbo-Charged, Intercooled	
	Engine oil capacity	L	197 (268) /2,100	
	Fuel tank capacity	L	28.5	
	Fuel consumption (70% Load)	L/Hr	400	
	Coolant capacity	L	30.5	
DIMENSION & WEIGHT	Battery		37	
	L×W×H	mm	170F51×2	
	Dry (Operating) weight	kg	3,830×1,730×2,325	
	Tire Size		3,410 (3,870)	
	Sound power level in decibels		185/80R14 102/100N×4W	
	Sound pressure level	dB	102	
	Designated emissions regulation		74	
			JPN Stage 3	

*Reference value.

● Specifications are subject to change without notice.



PDSG900DP



PDSG900DPC

			PDSG900DP-4C5 Trailer	PDSG900DPC-4C5 Trailer / After-Cooler
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	24.4	
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][150]/1.4[14.3][203]	
	Compressor oil capacity	L	95	
	Receiver tank capacity	m ³	0.186	
	Discharge Air Temperature*	°C	—	
	Air outlet valve		Atmospheric Temperature+20	
ENGINE	Make/Model		3/4"×1, 2 1/2"×1	
	Type		KOMATSU SAA6D 125E-5-A	
	Rated output	kW (PS) /min ⁻¹	Direct-Injection, Turbo-Charged, Intercooled	
	Engine oil capacity	L	247 (335.8) /1,900	
	Fuel tank capacity	L	41	
	Fuel consumption (70% Load)	L/Hr	600	
	Coolant capacity	L	38.1	
DIMENSION & WEIGHT	Battery		64	
	L×W×H	mm	170F51×2	
	Dry (Operating) weight	kg	4,370×2,000×2,290	
	Tire Size		4,950 (5,620)	
	Sound power level in decibels		7.50-16 14PR×4W	
	Sound pressure level	dB	103	
	Designated emissions regulation		73	
			JPN Stage 3	

*Reference value.

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

Variable Pressure PDS-DP/ VR series



PDSG1400LDP



PDSG1400LVR

			PDSG1400LDP-5C5 Leak-Guard	PDSG1400LVR-5C5 Leak-Guard
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	40.3/39.7	42.5~39.7
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][150]/1.4[14.3][203]	0.65[6.63][94]~1.4[14.3][203]
	Compressor oil capacity	L	200	
	Receiver tank capacity	m ³	0.384	
	Air outlet valve		3/4"×1, 3"×1	
ENGINE	Make/Model		KOMATSU SAA6D140E-5-B	
	Type		Direct-Injection,Turbo-Charged, Intercooled	
	Rated output	kW(PS)/min ⁻¹	398(541.1)/2,000	
	Engine oil capacity	L	61	
	Fuel tank capacity	L	780	
	Fuel consumption (70% Load)	L/Hr	83.6	65.0
	Coolant capacity	L	68	
DIMENSION & WEIGHT	Battery		225H52×2	
	L×W×H	mm	4,750×1,950×2,050	
	Dry (Operating) weight	kg	6,610(7,530)	
	Sound power level in decibels	dB	104	
	Sound pressure level	dB[A]	74	
	Designated emissions regulation		JPN Stage 3	

●Specifications are subject to change without notice.



PDSJ850DP



PDSJ850DPC

			PDSJ850DP-4C5 Trailer	PDSJ850DPC-4C5 Trailer / After-Cooler
COMPRESSOR	Type		RRotary Twin Screw, Two-Stage, Oil-cooled	
	Free air delivery	m ³ /min	24.1	
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.7[17.4][250]/2.0[20.4][290]	
	Compressor oil capacity	L	98	
	Receiver tank capacity	m ³	0.171	
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20
ENGINE	Air outlet valve		3/4"×1, 2"×1	
	Make/Model		KOMATSU SAA6D 125E-5-A	
	Type		Direct-Injection,Turbo-Charged, Intercooled	
	Rated output	kW(PS)/min ⁻¹	247(335.8)/1,900	
	Engine oil capacity	L	41	
	Fuel tank capacity	L	600	
	Fuel consumption (70% Load)	L/Hr	41.0	
DIMENSION & WEIGHT	Coolant capacity	L	64	
	Battery		170F51×2	
	L×W×H	mm	4,370×2,000×2,290	
	Dry (Operating) weight	kg	5,270(5,940)	5,350(6,030)
	Tire Size		7.50-16 14PR×4W	
	Sound power level in decibels	dB	103	
DIMENSION & WEIGHT	Sound pressure level	dB[A]	73	
	Designated emissions regulation		JPN Stage 3	

*Reference value.

●Specifications are subject to change without notice.



PDSJ1100DP



PDSJ1550DP

			PDSJ1100DP-4C5 Trailer	PDSJ1550DP-4C6 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Two-Stage, Oil-cooled	
	Free air delivery	m ³ /min	29.7	43.9/42.5
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.7[17.4][250]/2.0[20.4][290]	
	Compressor oil capacity	L	98	150
	Receiver tank capacity	m ³	0.171	0.232
	Air outlet valve		3/4"×1, 2"×1	
ENGINE	Make/Model		KOMATSU SAA6D 125E-5-C	KOMATSU SAA6D 140E-5-B
	Type		Direct-Injection,Turbo-Charged, Intercooled	
	Rated output	kW(PS)/min ⁻¹	282.9(384.6)/2,100	398(541.1)/2,000
	Engine oil capacity	L	41	61
	Fuel tank capacity	L	700	902
	Fuel consumption (70% Load)	L/Hr	50.8	91.0
DIMENSION & WEIGHT	Coolant capacity	L	64	75
	Battery		170F51×2	225F52×2
	L×W×H	mm	4,370×2,000×2,290	4,900×2,100×2,500
	Dry (Operating) weight	kg	5,520(6,270)	7,510(8,500)
	Tire Size		7.50-16 14PR×4W	7.00-15 14PR(i)×4W
	Sound power level in decibels	dB	103	104
	Sound pressure level	dB[A]	78	75
	Designated emissions regulation		JPN Stage 3	

● Specifications are subject to change without notice.



PDSK930DP



PDSK930LDP



PDSK1250LDP

			PDSK930DP-4C5 Trailer	PDSK930LDP-5C5 Leak-Guard	PDSK1250LDP-5C5 Leak-Guard
COMPRESSOR	Type		Rotary Twin Screw, Two-Stage, Oil-cooled		
	Free air delivery	m ³ /min	25.5	29.7/25.5	35.4
	Rated operating pressure	MPa[kgf/cm ²][psi]	2.0[20.4][290]/2.5[25.5][363]		
	Compressor oil capacity	L	98		165
	Receiver tank capacity	m ³	0.171		0.232
	Air outlet valve		3/4"×1, 2"×1		3/4"×1, 3"×1
ENGINE	Make/Model		KOMATSU SAA6D125E-5-C		KOMATSU SAA6D140E-5-B
	Type		Direct-Injection,Turbo-Charged, Intercooled		
	Rated output	kW(PS) /min ⁻¹	282.9(384.6) /2,100		398(541.1) /2,000
	Engine oil capacity	L	41		61
	Fuel tank capacity	L	700	710	880
	Fuel consumption (70% Load)	L/Hr	50.8	51.4 (2.0MPa) 51.0 (2.5MPa)	78.5
	Coolant capacity	L	64	69	75
	Battery		170F51×2		225H52×2
DIMENSION & WEIGHT	L×W×H	mm	4,370×2,000×2,290	4,300×1,850×1,900	4,850×2,150×2,100
	Dry (Operating) weight	kg	5,520 (6,270)	5,080 (5,850)	7,250 (8,250)
	Tire Size		7.50-16 14PR×4W	—	
	Sound power level in decibels	dB	103	102	104
	Sound pressure level	dB[A]	75	73	74
	Designated emissions regulation		JPN Stage 3		

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

Standard PDS series 〈JPN Stage 2〉



PDS265S



PDS265S

			PDS265S-5B2 BOX	PDS265S-4B2 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	7.5	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]	
	Compressor oil capacity	L	30	
	Receiver tank capacity	m ³	0.069	
	Air outlet valve		3/4"×4, 2"×1	
ENGINE	Make/Model		YANMAR 4TNV98T-NHK	
	Type		Direct-Injection, Turbo-Charged	
	Rated output	kW(PS)/min ⁻¹	61.2(83.2)/2,500	
	Engine oil capacity	L	10.5	
	Fuel tank capacity	L	115	
	Fuel consumption (70% Load)	L/Hr	10.0	
	Coolant capacity	L	10	
DIMENSION & WEIGHT	Battery		95D31R×1	
	L×W×H	mm	2,050×1,200×1,250	2,980×1,630×1,715
	Dry (Operating) weight	kg	1,140 (1,280)	1,360 (1,500)
	Tire Size		—	6.50-14 8PR×2W
	Sound power level in decibels	dB	97	98
	Sound pressure level	dB[A]	70	69
	Designated emissions regulation		JPN Stage 2	

● Specifications are subject to change without notice.



PDS400L



PDS400LC



PDS400LD

			PDS400L-5B5 Leak-Guard	PDS400LC-5B5 Leak-Guard / After-Cooler	PDS400LD-5B5 Leak-Guard / Dry-Air
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	11.3		
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]		
	Compressor oil capacity	L	40		
	Receiver tank capacity	m ³	0.077		
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20	Atmospheric Temperature+40
ENGINE	Air outlet valve		3/4"×2, 2"×1		
	Make/Model		KUBOTA V3800-DI-TI-E2B		
	Type		Direct-Injection, Turbo-Charged, Intercooled		
	Rated output	kW(PS)/min ⁻¹	75.2(102.2)/2,600		
	Engine oil capacity	L	13.0		
	Fuel tank capacity	L	177		
	Fuel consumption (70% Load)	L/Hr	13.2		
DIMENSION & WEIGHT	Coolant capacity	L	15.6		21
	Battery		130F51×1		
	L×W×H	mm	2,600×1,300×1,300		
	Dry (Operating) weight	kg	1,570 (1,770)	1,610 (1,810)	1,640 (1,840)
	Sound power level in decibels	dB	100		
	Sound pressure level	dB[A]	72		
	Designated emissions regulation		JPN Stage 2		

*Reference value.

● Specifications are subject to change without notice.



PDS400S

			PDS400S-6B5 Trailer	PDS400SC-6B5 Trailer / After-Cooler
COMPRESSOR	Type		Rotary Twin Screw, Two-Stage, Oil-cooled	
	Free air delivery	m ³ /min	11.3	
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]	
	Compressor oil capacity	L	40	
	Receiver tank capacity	m ³	0.077	
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+20
	Air outlet valve		3/4"×2, 2"×1	
ENGINE	Make/Model		KUBOTA V3800-DI-T-E2B	
	Type		Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	kW (PS) /min ⁻¹	75.2 (102.2) /2,600	
	Engine oil capacity	L	13.0	
	Fuel tank capacity	L	178	
	Fuel consumption (70% Load)	L/Hr	13.2	
	Coolant capacity	L	15.6	
DIMENSION & WEIGHT	Battery		130F51×1	
	L×W×H	mm	3,665×1,975×1,773	
	Dry (Operating) weight	kg	1,780 (1,980)	1,820 (2,020)
	Tire Size		6.50-14 8PR×2W	
	Sound power level in decibels	dB	100	
	Sound pressure level	dB[A]	71	
	Designated emissions regulation		JPN Stage 2	

*Reference value.

● Specifications are subject to change without notice.



PDS655S



PDS655SD



PDS750S

			PDS655S-4B2 Trailer	PDS655SD-4B2 Trailer / Dry-Air	PDS750S-4B1 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	17.9		21.2
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]		
	Compressor oil capacity	L	80		
	Receiver tank capacity	m ³	0.189		
	Discharge Air Temperature*	°C	—	Atmospheric Temperature+40	—
	Air outlet valve		3/4"×2, 2"×1, 3/8"×1		
ENGINE	Make/Model		HINO J08C-V		HINO J08C-UT
	Type		Direct-Injection		Direct-Injection, Turbo-Charged
	Rated output	kW (PS) /min ⁻¹	118 (160) /2,500		144.5 (196) /2,100
	Engine oil capacity	L	23		
	Fuel tank capacity	L	270		310
	Fuel consumption (70% Load)	L/Hr	22.0		27.0
	Coolant capacity	L	29	35	29
DIMENSION & WEIGHT	Battery		130F51×2		
	L×W×H	mm	3,650×1,685×2,095		
	Dry (Operating) weight	kg	2,920 (3,260)	3,190 (3,530)	3,020 (3,370)
	Tire Size		175/80R13 97/95N×4W		
	Sound power level in decibels	dB	102		104
	Sound pressure level	dB[A]	73		74
	Designated emissions regulation		JPN Stage 2		

*Reference value.

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

High Pressure PDSE/F/G/H/J series 〈JPN Stage 2〉



PDSE900S



PDSF330DP



PDSF330DPC



PDSF530S

			PDSE900S-4B1 Trailer	PDSF330DP-6B5 Trailer / Dual Pressure	PDSF330DPC-6B5 Trailer / Dual Pressure / After-Cooler	PDSF530S-4B2 Trailer	PDSF530SD-4B2 Trailer / Dry-Air
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m³/min	25.0	9.3/10.6		14.3	15.0
	Rated operating pressure	MPa[kgf/cm²][psi]	0.86[8.8][125]	1.03[10.5][150]/0.7[7.14][102]		1.05[10.7][150]	
	Compressor oil capacity	L	105	40		80	
	Receiver tank capacity	m³	0.248	0.077		0.189	
	Discharge Air Temperature*	°C	—		Atmospheric Temperature+20	—	Atmospheric Temperature+40
	Air outlet valve		3/4"×1, 2"×2	3/4"×2, 2"×1		3/4"×2, 2"×1, 3/8"×1	
ENGINE	Make/Model		MITSUBISHI 6D24-TE1	KUBOTA V3800-DI-TI-E2B		HINO J08C-V	
	Type		Direct-Injection,Turbo-Charged	Direct-Injection,Turbo-Charged,Intercooled		Direct-Injection	
	Rated output	kW (PS) /min ⁻¹	206 (280) /2,200	75.2 (102.2) /2,600		118 (160) /2,500	
	Engine oil capacity	L	49	13		23	
	Fuel tank capacity	L	400	178		270	
	Fuel consumption (70% Load)	L/Hr	38.0	13.5		22.0	
	Coolant capacity	L	45	15.6		29	
DIMENSION & WEIGHT	Battery		155G51×2	130F51×1		130F51×2	
	L×W×H	mm	4,000×1,900×2,150	3,665×1,975×1,773		3,650×1,685×2,095	
	Dry (Operating) weight	kg	4,100 (4,600)	1,780 (1,980)	1,820 (2,020)	2,960 (3,300)	3,190 (3,530)
	Tire Size		6.50-14 8PR×4W	6.50-14 8PR×2W		175/80R13 97/950N×4W	
	Sound power level in decibels	dB	110	99		102	
	Sound pressure level	dB[A]	80	69		73	
	Designated emissions regulation		—	JPN Stage 2			

*Reference value.

● Specifications are subject to change without notice.



PDSF750S



PDSF830S



PDSF950S

			PDSF750S-4B4 Trailer	PDSF830S-4B1 Trailer	PDSF950S-4B4 Trailer	PDSF950SC-4B4 Trailer / After-Cooler
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	21.2	23.5	26.9	
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][150]			
	Compressor oil capacity	L	75	105	100	
	Receiver tank capacity	m ³	0.155	0.248	0.185	
	Discharge Air Temperature*	°C	—			Atmospheric Temperature+20
	Air outlet valve		3/4"x1, 2"x2			2"x2, 3/4"x1
ENGINE	Make/Model		ISUZU AA-6HK1	MITSUBISHI 6D24-TE1	Dongfeng Cummins 6LTA8.9-C360	
	Type		Direct-Injection, Turbo-Charged,Intercooled	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged,Intercooled	
	Rated output	kW (PS) /min ⁻¹	182.1 (248) /2,000	206 (280) /2,200	264 (359) /2,200	
	Engine oil capacity	L	44	49	21	
	Fuel tank capacity	L	300	400	540	
	Fuel consumption (70% Load)	L/Hr	28.0	38.0	41.3	
	Coolant capacity	L	39	45	57	
	Battery		120Ah×2	155G51×2	165Ah×2	
DIMENSION & WEIGHT	L×W×H	mm	4,810×2,150×2,130	4,000×1,900×2,150	4,490×2,000×2,430	
	Dry (Operating) weight	kg	3,210 (3,580)	4,100 (4,600)	4,400(5,070)	4,500(5,170)
	Tire Size		8.25-16 16PR×2W	6.50-14 8PR×4W	7.50-16-14PR×4W	
	Sound power level in decibels	dB	103	110	109	
	Sound pressure level	dB[A]	73	80		
	Designated emissions regulation		JPN Stage 2	—	GBII	

*Reference value.

● Specifications are subject to change without notice.



PDSG460S



PDSG750S

			PDSG460S-4B2 Trailer	PDSG750S-4B1 Trailer
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled	
	Free air delivery	m ³ /min	12.5	21.2
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.27[13.0][185]	
	Compressor oil capacity	L	80	105
	Receiver tank capacity	m ³	0.189	0.255
	Air outlet valve		3/4"×2, 2"×1, 3/8"×1	3/4"×1, 2"×2
ENGINE	Make/Model		HINO J08C-V	MITSUBISHI 6D24-TE1
	Type		Direct-Injection	Direct-Injection, Turbo-Charged
	Rated output	kW (PS) /min ⁻¹	118 (160) /2,500	206 (280) /2,200
	Engine oil capacity	L	23	49
	Fuel tank capacity	L	270	400
	Fuel consumption (70% Load)	L/Hr	20.5	38.0
	Coolant capacity	L	29	45
DIMENSION & WEIGHT	Battery		130F51×2	155G51×2
	L×W×H	mm	3,650×1,685×2,135	4,000×1,900×2,150
	Dry (Operating) weight	kg	2,970 (3,310)	4,100 (4,600)
	Tire Size		6.50-14 8PR×4W	
	Sound power level in decibels	dB	102	110
	Sound pressure level	dB[A]	73	80
	Designated emissions regulation		JPN Stage 2	—

● Specifications are subject to change without notice.



PDSH600S



PDSH850S / PDSJ750S

			PDSH600S-4B4 Trailer	PDSH850S-4B2 Trailer / Dual Pressure	PDSJ750S-4B2 Trailer / Dual Pressure
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	17.0	24.0	21.2
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.7[17.3][250]	1.72[17.6][250]	2.07[21.1][300]
	Compressor oil capacity	L	65	84	
	Receiver tank capacity	m ³	0.124	0.170	
	Air outlet valve		3/4"×2, 2"×1	3/4"×1, 2"×1	3/4"×1, 2"×2
ENGINE	Make/Model		ISUZU AA-6HK1	MITSUBISHI 6D24-TC	
	Type		Direct-Injection,Turbo-Charged,Intercooled		
	Rated output	kW (PS) /min ⁻¹	182.1 (248) /2,000	228 (310) /2,000	
	Engine oil capacity	L	44	49	
	Fuel tank capacity	L	300	555	
	Fuel consumption (70% Load)	L/Hr	35.5	37.5	
	Coolant capacity	L	39	45	
	Battery		120Ah×2	170F51×2	
DIMENSION & WEIGHT	L×W×H	mm	4,810×2,150×2,130	4,350×1,900×2,445	4,350×1,900×2,350
	Dry (Operating) weight	kg	3,170 (3,530)	5,050 (5,650)	
	Tire Size		8.25-16 16PR×2W	7.50-16 14PR×4W	
	Sound power level in decibels	dB	102	110	
	Sound pressure level	dB[A]	73	80	
	Designated emissions regulation		JPN Stage 2	—	

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

JPN Stage 2

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