

Box Series

Compressors supplying air energy to construction sites.

The box series is designed for mounting on pick-up trucks and for operating in confined spaces.



PDS65L



PDS130S



PDS265S



■ SPECIFICATIONS

Model	PDS65L-5C5	PDS80S-5C5 <PDS80L-5C5>	PDS100S-5C5 <PDS100L-5C5>	PDS130S-5C3	PDS140L-5C5	PDS185S-5C5 <PDS185S-7C5> [Oil Fence]	PDS265S-5B2	
● COMPRESSOR								
Type	Rotary Twin Screw, Single-Stage, Oil-cooled							
Free air delivery	m ³ /min	1.84	2.3	2.8	3.7	4.0	5.2	7.5
Rated operating pressure	MPa (kgf/cm ²) (psi)	0.7 (7.14) (102)		0.69 (7.0) (100)	0.7 (7.14) (102)		0.69 (7.0) (100)	
Compressor capacity	L	7	8	9	15	14	15	30
Air outlet valve		3/4"×1, 3/8"×1		3/4"×2		3/4"×2, 3/8"×1	3/4"×3	3/4"×4, 2"×1 (OP)
● ENGINE								
Make/Model	KUBOTA D722-K3A	KUBOTA D902-K3A	KUBOTA D1105-K3B	YANMAR 3TNV88-BDHK	YANMAR EDM-3TNV88	YANMAR 4TNV88-BXDHKS	YANMAR 4TNV98T-NHK	
Type (4Cycle, Water-Cooled)	Swirl-Chamber			Direct-Injection		Direct-Injection, Turbo-Charged		
Rated output	PS (kW) /rpm	19.2 (14.1) /3600	23.1 (17.0) /3600	26.1 (19.2) /3400	36.5 (26.9) /3000	47.5 (34.9) /3000	83.2 (61.2) /2500	
Engine oil capacity	L	3.8	3.7	4.5	6.7	6.7	7.4	10.5
Fuel tank capacity	L	18	25<33>	28<33>	70	69	90<92>	115
Battery	55B24R×1			80D26R×1		95D31R×1		
● DIMENSION & WEIGHT								
Overall length	mm (inch)	1370 (53.9)	1500 (59.1) <1520 (59.8)>	1580 (62.2) <1625 (64.0)>	1700 (66.9)	1700 (66.9)	1970 (77.6) <1300 (51.2)>	2050 (80.7)
Overall width	mm (inch)	700 (27.6)	770 (30.3) <770 (30.3)>	770 (30.3) <800 (31.5)>	890 (35.0)	890 (35.0)	950 (37.4) <825 (32.5)>	1200 (47.2)
Overall Height	mm (inch)	800 (31.5)	865 (34.1) <880 (34.6)>	900 (35.4) <905 (35.6)>	1080 (42.5)	1130 (44.5)	1080 (42.5) <925 (36.4)>	1250 (49.2)
Dry (Operating) weight	kg	310 (340)	400 (435) <420 (460)>	460 (500) <515 (555)>	640 (720)	690 (770)	755 (850) <825 (925)>	1150 (1290)
Tire Size		-	-	-	-	-	-	-
● OTHER								
Sound power level in decibels	dB	93	93<93>	93<95>	94	94	95<94>	98
Sound pressure level	dB (A)	67	66<67>	67<67>	66	68	68	69
Designated emissions regulation		JPN Stage 3						JPN Stage 2

- Specifications are subject to change without notice.
- Sound pressure level is measured at 7m in 4 directions average.

Trailer Series

Compressors supplying air energy to construction sites.

Available in a wide range of models to meet your needs.

Featuring a sound-proof structure with low noise, easy operation, and a complete monitoring system, these models are high-performance with proven reliability and efficiency.



PDS185S



PDS265S



PDS655S



■ SPECIFICATIONS

Model	PDS185S-6C2	PDS265S-4B2	PDS400S-6B5	PDS655S-4B2	PDS750S-4B1	
● COMPRESSOR						
Type	Rotary Twin Screw, Single-Stage, Oil-cooled					
Free air delivery	m ³ /min	5.2	7.5	11.3	18.5	21.2
Rated operating pressure	MPa (kgf/cm ²) (psi)	0.69 (7.0) (100)			0.7 (7.14) (102)	
Compressor capacity	L	15	30	40	80	
Air outlet valve		3/4"×2	3/4"×4, 2"×1 (OP)	3/4"×2, 2"×1	3/4"×2, 2"×1, 3/8"×1	
● ENGINE						
Make/Model	YANMAR 4TNV88-BXDHKS	YANMAR 4TNV98T-NHK	KUBOTA V3800DI-TI-E2B-COHE1	HINO J08C-V	HINO J08C-UT	
Type (4Cycle, Water-Cooled)	Direct-Injection	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection	Direct-Injection, Turbo-Charged	
Rated output	PS (kW) /rpm	49.5 (36.4) /3000	83.2 (61.2) /2500	102.2 (75.2) /2600	160 (118) /2500	197 (145) /2100
Engine oil capacity	L	7.4	10.5	13	23	23
Fuel tank capacity	L	90	115	178	270	310
Battery	80D26R×1	95D31R×1	130F51×1	115F51×2		
● DIMENSION & WEIGHT						
Overall length	mm (inch)	2960 (116.5)	2980 (117.3)	3665 (144.3)	3650 (143.7)	3650 (143.7)
Overall width	mm (inch)	1650 (65.0)	1630 (64.2)	1975 (77.8)	1685 (66.3)	1685 (66.3)
Overall Height	mm (inch)	1510 (59.4)	1715 (67.5)	1773 (69.8)	2135 (84.1)	2135 (84.1)
Dry (Operating) weight	kg	860 (960)	1360 (1500)	1780 (1980)	2930 (3270)	3030 (3380)
Tire Size		175R13-8PR×2W	6.50-14 8PR×2W	6.50-14 8PR×2W	6.50-14 8PR×4W	185R14 8PR×4W
● OTHER						
Sound power level in decibels	dB	99	98	100	102	104
Sound pressure level	dB (A)	72	69	71	73	74
Designated emissions regulation		US Tier 3	JPN Stage 2			

- The parking brake is included as standard equipment on larger units, such as the PDS655S—PDS750S, and is optional on smaller models. An overrun brake and mudguard are available as option.
- Specifications are subject to change without notice.
- Sound pressure level is measured at 7m in 4 directions average.

High Pressure Series

Compressor supplying high pressure air

Displaying excellent performance in mortar spraying, well drilling, and natural resources exploration. The AIRMAN original screw design enables supply of high pressure air. Suitable for foundation work such as jacking, down-the-hole, and large boring.



PDSF140S



PDSF530S



■ SPECIFICATIONS

Model	PDSE900S-4B1 [Trailer]	PDSF100S-5C3 [Box]	PDSF140S-5C3 [Box]	PDSF210S-5C3 [Box]	PDSF330DP-6B5 [Dual Pressure] [Trailer]	PDSF530S-4B2 [Trailer]	
● COMPRESSOR							
Type	Rotary Twin Screw, Single-Stage, Oil-cooled						
Free air delivery	m ³ /min	25.0	2.8	4.0	6.0	9.3/10.6	14.3
Rated operating pressure	MPa(kgf/cm ²)(psi)	0.86(8.8)(125)	1.03(10.5)(149)		1.03(10.5)(149)/0.7(7.14)(102)	1.05(10.7)(150)	
Compressor capacity	L	105	15		30	40	80
Air outlet valve		3/4"×1, 2"×2	3/4"×2	3/4"×3	3/4"×4, 2"×1	3/4"×2, 2"×1	3/4"×2, 2"×1, 3/8"×1
● ENGINE							
Make/Model	MITSUBISHI 6D24-TE1	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BDHS	YANMAR KDP-4TNV98T	KUBOTA V3800DI-TI-E2B-COHE1	HINO J08C-V	
Type (4Cycle, Water-Cooled)	Direct-Injection, Turbo-Charged	Direct-Injection	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection	
Rated output	PS(kW)/rpm	280(206)/2200	36.6(26.9)/3000	47.5(34.9)/3000	83.2(61.2)/2500	102.2(75.2)/2600	160(118)/2500
Engine oil capacity	L	49	6.7	7.4	11	13	23
Fuel tank capacity	L	400	70	90	115	178	270
Battery		155G51×2	85D26R×1		95D31R×1	130F51×1	115F51×2
● DIMENSION & WEIGHT							
Overall length	mm (inch)	4000(157.5)	1700(66.7)	1970(77.6)	2050(80.7)	3665(144.3)	3650(143.7)
Overall width	mm (inch)	1900(74.8)	890(35.0)	950(37.4)	1200(47.2)	1975(77.8)	1685(66.3)
Overall Height	mm (inch)	2150(84.6)	1080(42.5)	1080(42.5)	1250(49.2)	1773(69.8)	2095(82.4)
Dry (Operating) weight	kg	4100(4600)	640(720)	740(840)	1150(1290)	1780(1980)	2960(3300)
Tire Size		6.50-14 8PR×4W	—	—	—	6.50-14 8PR×2W	175R13 8PR×4W
● OTHER							
Sound power level in decibels	dB	110	94	95	98	99	102
Sound pressure level	dB (A)	80	65	65	69	69	73
Designated emissions regulation		—	JPN Stage 3			JPN Stage 2	

- The parking brake is included as standard equipment. An overrun brake is available as option.
- Specifications are subject to change without notice.
- Sound pressure level is measured at 7m in 4 directions average.



PDSH600S



PDSF750S



PDSG900DP



PDSG750S



■ SPECIFICATIONS

Model	PDSF750S-4B3 [Trailer]	PDSF830-4B1 [Trailer]	PDSF1000DP-4C5 [Dual Pressure] [Trailer]	PDSG460S-4B2 [Trailer]	PDSG750S-4B1 [Trailer]	PDSG900DP-4C5 [Dual Pressure] [Trailer]	PDSH600S-4B3 [Trailer]	
● COMPRESSOR								
Type	Rotary Twin Screw, Single-Stage, Oil-cooled							
Free air delivery	m ³ /min	21.2	23.5	27.5	12.5	21.2	24.4	17.0
Rated operating pressure	MPa(kgf/cm ²)(psi)	1.03(10.5)(149)		1.03(10.5)(149)/0.7(7.14)(102)	1.27(13.0)(185)	1.27(13.0)(185)	1.03(10.5)(149)/1.4(14.3)(203)	1.7(17.3)(250)
Compressor capacity	L	68	105	110	80	105	95	63
Air outlet valve		3/4"×1, 2"×2		3/4"×1, 2"×3	3/4"×2, 2"×1, 3/8"×1	3/4"×1, 2"×2	3/4"×1, 2 1/2"×1	3/4"×1, 2"×2
● ENGINE								
Make/Model	ISUZU AA-6HK1	MITSUBISHI 6D24-TE1	KOMATSU SAA6D125E-5-A	HINO J08C-V	MITSUBISHI 6D24-TE1	KOMATSU SAA6D125E-5-A	ISUZU AA-6HK1	
Type (4Cycle, Water-Cooled)	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled	
Rated output	PS(kW)/rpm	247(182)/2000	280(206)/2200	357(262.5)/1900	160(118)/2500	280(206)/2200	357(262.5)/1900	248(182.1)/2000
Engine oil capacity	L	44	49	41	23	49	41	44
Fuel tank capacity	L	300	400	600	270	400	600	300
Battery		155G51×2		170F51×2	115F51×2	155G51×2	170F51×2	155G51×2
● DIMENSION & WEIGHT								
Overall length	mm (inch)	4810(189.4)	4000(157.5)	4370(172.0)	3650(143.7)	4000(157.5)	4370(172.0)	4810(189.4)
Overall width	mm (inch)	2150(84.6)	1900(74.8)	2000(78.7)	1685(66.3)	1900(74.8)	2000(78.7)	2150(84.6)
Overall Height	mm (inch)	2130(83.9)	2150(84.6)	2290(90.2)	2135(84.1)	2150(84.6)	2290(90.2)	2130(83.9)
Dry (Operating) weight	kg	3210(3570)	4100(4600)	4990(5680)	2970(3310)	4100(4600)	4950(5620)	3210(3570)
Tire Size		8.25-16 16PR×2W	6.50-14 8PR×4W	7.50-16 14PR×4W	6.50-14 8PR×4W	6.50-14 8PR×4W	7.50-16 14PR×4W	8.25-16 16PR×2W
● OTHER								
Sound power level in decibels	dB	103	110	105	102	110	103	102
Sound pressure level	dB (A)	73	80	75.8	73	80	73.2	73
Designated emissions regulation		JPN Stage 2	—	JPN Stage 3	JPN Stage 2	—	JPN Stage 3	JPN Stage 2

- The parking brake is included as standard equipment. An overrun brake is available as option.
- Specifications are subject to change without notice.
- Sound pressure level is measured at 7m in 4 directions average.



PDSJ750S



PDSH850S/J750S



PDSK900S



PDSJ1550DP



PDSK1200S



After-Cooler Series

Compressor supplying air energy without water vapor

After-cooler to eliminate water moisture from the compressed air. Suitable for sand-blasting and chipping.



PDS65LC



PDS130SC



PDS265SC



■ SPECIFICATIONS

Model	PDSH850S-4B2 [Dual Pressure] [Trailer]	PDSJ750S-4B2 [Dual Pressure] [Trailer]	PDSJ1550DP-4C6 [Dual Pressure] [Trailer]	PDSK900S-402 [Trailer]	PDSK900S-422 [Skid]	PDSK1200S-4C1 [Trailer]
● COMPRESSOR						
Type	Rotary Twin Screw, Two-Stage, Oil-cooled					
Free air delivery	m ³ /min	24.0	21.2	42.5	25.5	34.0
Rated operating pressure	MPa (kgf/cm ²) (psi)	1.5 (15.3) (220) / 1.72 (17.6) (250)	1.5 (15.3) (220) / 2.07 (21.1) (300)	1.7 (17.3) (250) / 2.0 (20.4) (350)	2.41 (24.6) (350)	2.45 (25.0) (355)
Compressor capacity	L	84		150	120	190
Air outlet valve		3/4"×1, 2"×1		3/4"×1, 2"×1	3/4"×1, 2"×1	3/4"×1, 3"×1
● ENGINE						
Make/Model	MITSUBISHI 6D24-TC		KOMATSU SAA6D 140E-5-B	MITSUBISHI S6B3-PTA	CATERPILLAR C-15	
Type (4Cycle, Water-Cooled)	Direct-Injection, Turbo-Charged, Intercooled					
Rated output	PS (kW) / rpm	310 (228) / 2200		568 (418) / 2000	445 (327.3) / 1800	548 (403) / 1800
Engine oil capacity	L	49		61	85	61
Fuel tank capacity	L	555		902	710	874
Battery		170F51×2		225H52×2	195G51×2	225H52×2
● DIMENSION & WEIGHT						
Overall length	mm (inch)	4350 (171.3)		4900 (192.9)	4350 (171.3)	5600 (220.5)
Overall width	mm (inch)	1900 (74.8)		2100 (82.7)	2100 (82.7)	2110 (83.1)
Overall Height	mm (inch)	2350 (92.5)		2500 (98.4)	2315 (91.1)	2500 (98.4)
Dry (Operating) weight	kg	5050 (5650)		7510 (8500)	6470 (7300)	7800 (8800)
Tire Size		7.50-16 14PR×4W		7.00-15 12PR (I) ×4W	7.50-16 12PR×4W	7.00-15 12PR (I) ×4W
● OTHER						
Sound power level in decibels	dB	110		104	—	105
Sound pressure level	dB (A)	80		—	—	75
Designated emissions regulation		—		JPN Stage 3	JPN Stage 1	Tier 3 China GB 3

- The parking brake is included as standard equipment. An overrun brake is available as option.
- Specifications are subject to change without notice.
- Sound pressure level is measured at 7m in 4 directions average.

■ SPECIFICATIONS

Model	PDS65LC-5C5 [Leak guard/Box]	PDS80SC-5C5 <PDS80LC-5C5> [Leak guard/Box]	PDS100SC-5C5 <PDS100LC-5C5> [Leak guard/Box]	PDS130SC-5C3 [Box]	PDS140LC-5C5 [Leak guard/Box]	PDS185SC-5C5 [Box] <PDS185SC-7C5> [Oil Fence] [Trailer]	PDS265SC-4B2 [Trailer]	
● COMPRESSOR								
Type	Rotary Twin Screw, Single-Stage, Oil-cooled							
Free air delivery	m ³ /min	1.8	2.3	2.8	3.7	4.0	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)	0.7 (7.14) (102)	0.69 (7.0) (100)	
Compressor capacity	L	7	8	9	15	14	15	
Discharge Air Temperature	°C	Atmospheric Temperature+20						
Air outlet valve		3/4"×1 3/8"×1		3/4"×2	3/4"×2, 3/8"×1	3/4"×3	3/4"×4, 2"×1 (OP)	
● ENGINE								
Make/Model	KUBOTA D722-K3A	KUBOTA D902-K3A	KUBOTA D1105-K3B	YANMAR 3TNV88-BDHK	YANMAR EDM-3TNV88	YANMAR 4TNV88-BDXHKS	YANMAR 4TNV98T-NHK	
Type (4Cycle, Water-Cooled)	Swirl-Chamber			Direct-Injection			Direct-Injection, Turbo-Charged	
Rated output	PS (kW) / rpm	19.2 (14.1) / 3600	23.1 (17.0) / 3600	26.1 (19.2) / 3400	36.6 (26.9) / 3000	36.5 (26.9) / 3000	47.5 (34.9) / 3000	
Engine oil capacity	L	3.8	3.7	4.5	6.7	6.7	7.4	
Fuel tank capacity	L	18	25<33>	28<33>	70	69	90<92>	
Battery		55B24R×1		80D26R×1			95D31R×1	
● DIMENSION & WEIGHT								
Overall length	mm (inch)	1370 (53.9)	1500 (59.1) <1520 (59.8)>	1580 (62.2) <1625 (64.0)>	1700 (66.7)	1700 (66.7)	1970 (77.6)	
Overall width	mm (inch)	700 (27.6)	770 (30.3) <770 (30.3)>	770 (30.3) <800 (31.5)>	890 (35.0)	890 (35.0)	950 (37.4)	
Overall Height	mm (inch)	800 (31.5)	865 (34.1) <880 (34.6)>	900 (35.4) <905 (35.6)>	1080 (42.5)	1130 (44.5)	1080 (42.5) <1300 (51.2)>	
Dry (Operating) weight	kg	315 (345)	405 (440) <430 (470)>	470 (510) <525 (565)>	650 (730)	700 (780)	765 (860) <835 (935)>	
Tire Size		—	—	—	—	—	145R12 8PR×2W	
● OTHER								
Sound power level in decibels	dB	93	93<93>	93<95>	94	94	94<94>	
Sound pressure level	dB (A)	68	67<67>	66<67>	66	66	68	
Designated emissions regulation		JPN Stage 3					JPN Stage 2	

- C: with After Cooler D: with After Cooler and After Warmer
- Specifications are subject to change without notice.
- It is available for a trailer type for PDS265SC/SD.
- Sound pressure level is measured at 7m in 4 directions average.



PDS265SC



PDSF140SC



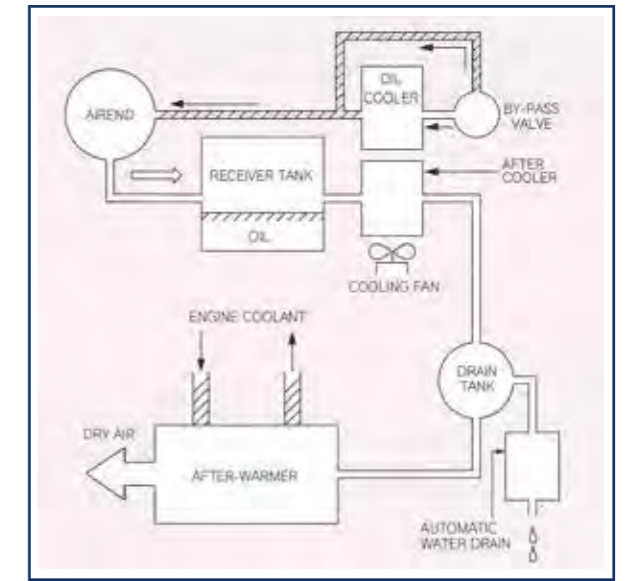
Dry-Air Series

Compressor supplying dry air

Compact body with a built-in After-cooler, Auto-drain, After-warmer, etc.
Supply dry air even in rainy or high humidity conditions.
Suitable for pipe cleaning, painting, and sand-blasting.



PDS655SD



■ SPECIFICATIONS

Model	PDS265SC-5B2 [Box]	PDS400SC-6B5 [Trailer]	PDSF100SC-5C3 [Box]	PDSF140SC-5C3 [Box]	PDSF210SC-5C3 [Box]	PDSF330DPC-6B5 [Dual Pressure] [Trailer]	PDSF1000DPC-4C5 [Dual Pressure] [Trailer]	
● COMPRESSOR								
Type	Rotary Twin Screw, Single-Stage, Oil-cooled							
Free air delivery	m ³ /min	7.5	11.3	2.8	4.0	6.0	9.3/10.6	27.5
Rated operating pressure	MPa (kgf/cm ²) (psi)	0.69 (7.0) (100)	0.7 (7.14) (102)	1.03 (10.5) (149)		1.03 (10.5) (149)/0.7 (7.14) (102)	1.03 (10.5) (149)/0.7 (7.14) (102)	
Compressor capacity	L	30	40	15		30	40	110
Discharge Air Temperature	°C	Atmospheric Temperature+20						
Air outlet valve		3/4"×4, 2"×1 (OP)	3/4"×2, 2"×1	3/4"×2	3/4"×3	3/4"×2, 2"×1		3/4"×1, 2"×3
● ENGINE								
Make/Model	YANMAR 4TNV98T-NHK	KUBOTA V3300DI-TI-E2B-COHE1	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BDHS	YANMAR KDP-4TNV98T	KUBOTA V3300DI-TI-E2B-COHE1	KOMATSU SAA6D125E-5-A	
Type (4Cycle, Water-Cooled)	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection		Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled		
Rated output	PS (kW) /rpm	83.2 (61.2) /2500	102.2 (75.2) /2600	36.5 (26.9) /3000	47.5 (34.9) /3000	83.2 (61.2) /2500	102.2 (75.2) /2600	357 (262.5) /1900
Engine oil capacity	L	10.5	13	6.7	7.4	10.5	13	41
Fuel tank capacity	L	115	178	70	90	115	178	600
Battery		95D31R×1	130F51×1	85D26R×1		95D31R×1	130F51×1	170F51×2
● DIMENSION & WEIGHT								
Overall length	mm (inch)	2050 (80.7)	3665 (144.3)	1700 (66.7)	1970 (77.6)	2050 (80.7)	3665 (144.3)	4370 (172.0)
Overall width	mm (inch)	1200 (47.2)	1975 (77.8)	890 (35.0)	950 (37.4)	1200 (47.2)	1975 (77.8)	2000 (78.7)
Overall Height	mm (inch)	1250 (49.2)	1773 (69.8)	1080 (42.5)	1080 (42.5)	1310 (51.6)	1773 (69.8)	2290 (90.2)
Dry (Operating) weight	kg	1180 (1320)	1820 (2020)	650 (730)	750 (850)	1170 (1310)	1820 (2020)	5100 (5790)
Tire Size		—	6.50-14 8PR×2W	—	—	—	6.50-14 8PR×2W	7.50-16 14PR×4W
● OTHER								
Sound power level in decibels	dB	98	100	94	94	—	99	105
Sound pressure level	dB (A)	69	71	65	—	—	69	76
Designated emissions regulation		JPN Stage 2		JPN Stage 3		JPN Stage 2	JPN Stage 3	

- C: with After Cooler D: with After Cooler and After Warmer
- Specifications are subject to change without notice.
- Sound pressure level is measured at 7m in 4 directions average.

■ SPECIFICATIONS

Model	PDS655SD-4B2 [Trailer]	PDSF530SD-4B2 [Trailer]	
● COMPRESSOR			
Type	Rotary Twin Screw, Single-Stage, Oil-cooled		
Free air delivery	m ³ /min	18.5	15.0
Rated operating pressure	MPa (kgf/cm ²) (psi)	0.7 (7.14) (102)	1.05 (10.7) (150)
Compressor capacity	L	80	
Discharge Air Temperature	°C	Atmospheric Temperature+40	
Air outlet valve		3/4"×2, 2"×1, 3/8"×1	
● ENGINE			
Make/Model	HINO J08C-V		
Type (4Cycle, Water-Cooled)	Direct-Injection		
Rated output	PS (kW) /rpm	160 (118) /2500	
Engine oil capacity	L	23	
Fuel tank capacity	L	270	
Battery		115F51×2	
● DIMENSION & WEIGHT			
Overall length	mm (inch)	3650 (143.7)	3650 (143.7)
Overall width	mm (inch)	1685 (66.3)	1685 (66.3)
Overall Height	mm (inch)	2095 (82.5)	2070 (81.5)
Dry (Operating) weight	kg	3190 (3530)	3210 (3550)
Tire Size		175R13-8PR×4W	175R13-8PR×4W
● OTHER			
Sound power level in decibels	dB	102	
Sound pressure level	dB (A)	73	
Designated emissions regulation		JPN Stage 2	

- Sound pressure level is measured at 7m in 4 directions average.

CHALLENGE TO THE NEW ERA

Engine Compressor **PDS** Series



Discharged air pressure

Standard Pressure PDS

Standard AIRMANN engine compressor. Highly durable with excellent fuel efficiency.



High Pressure PDSF/G/H/J/K

AIRMANN high-pressure series, providing powerful air pressure.



Variable Pressure PDS-VR/DP

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



Air Quality

Standard Pressure PDS

Standard AIRMANN engine compressor. 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.



Bonnet

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

With a trailer, the device is easy to move.



MODEL LINEUP

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

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

		Model [Free air delivery (CFM)]												
		F100	F140	F210	F315	F550	F1000	G750	G900	G1400	H800	J850	J1550	K900
High pressure - Variable pressure specifications	Air Quality													
	Bonnet													
	Box													
	Leak-Guard													
	Trailer													
	After Cooler													
	Box													
	Trailer													
	Dry-Air	Trailer												

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

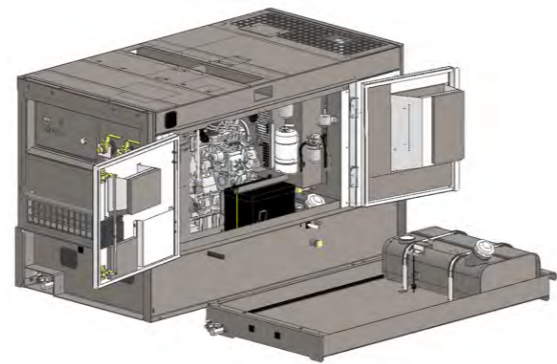
Oil fences are incorporated for the first time in the industry. Equipped with high-efficiency AS rotors that achieve increased air volume and low fuel consumption.

Applicable models

PDS65L	PDS80L	PDS100L	PDS140L	PDS185S	Variable pressure specifications PDSG1400LDP
After-Cooler PDS65LC	After-Cooler PDS80LC	After-Cooler PDS100LC	After-Cooler PDS140LC	After-Cooler PDS185SC	Variable pressure specifications PDSG1400LVR

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 control
S : Single pressure DP : 2 stage pressure switching VR : Continuous variable control
※PDS185S/SC-7C5 only
- ⑤ Special specification
C : After-Cooler
- ⑥ Class number
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 functions and easy maintenance

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

Hoses to discharge oil

(PDS185S/185SC)

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



ECO mode / AUTO ECO mode

(PDS100L/100LC)

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

A structure without central pillars

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

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



Leak-Guard PDS series



		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	1.84	2.3	2.3	2.8	
	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	9.0	9.0
	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	KUBOTA D722-K3A	KUBOTA D902-K3A	KUBOTA D902-K3A	KUBOTA D1105-K3B	KUBOTA D1105-K3B
	Type		Swirl Chamber	Swirl Chamber	Swirl Chamber	Swirl Chamber	Swirl Chamber	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	26.1(19.2) /3,400	26.1(19.2) /3,400
	Engine oil capacity	L	3.8	3.8	3.7	3.7	4.5	4.5
	Fuel tank capacity	L	18	18	33	33	33	33
DIMENSION & WEIGHT	Battery		55B24R 1ヶ	55B24R×1	55B24R×1	55B24R×1	80D26R×1	80D26R×1
	L×W×H	mm	1,250×700×800	1,250×700×800	1,395×770×880	1,395×770×880	1,505×800×905	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	93	93	93	93	95
	Sound pressure level	dB[A]	67	67	66	67	67	67
Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	



		PDS140L-5C5	PDS140LC-5C5 After-Cooler	PDS185S-7C5	PDS185SC-7C5 After-Cooler	PDSG1400LDP-5C5 High Pressure	PDSG1400LVR-5C5 High Pressure	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled						
	Free air delivery	m ³ /min	4.0	4.0	5.2	5.2	39.7	42.5~39.7
	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]	1.03[10.5][149] / 1.4[14.3][203]	0.65[6.63][94]~ 1.4[14.3][203]
	Compressor capacity	L	14.0	14.0	15.0	15.0	200	200
	Air outlet valve		3/4"×2 Air Chuck 3/8"×1	3/4"×2 Air Chuck 3/8"×1	3/4"×3	3/4"×3	3/4"×1, 3"×1	3/4"×1, 3"×1
ENGINE	Make/Model		YANMAR EDM-3TNV88	YANMAR EDM-3TNV88	YANMAR 4TNV88-BXDHKSR	YANMAR 4TNV88-BXDHKSR	KOMATSU SAA6D140E-5-B	KOMATSU SAA6D140E-5-B
	Type		Direct-Injection	Direct-Injection	Direct-Injection	Direct-Injection	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	36.5(26.9) /3,000	36.5(26.9) /3,000	47.5(34.9) /3,000	47.5(34.9) /3,000	568(418) /2,000	568(418) /2,000
	Engine oil capacity	L	6.7	6.7	7.4	7.4	61	61
	Fuel tank capacity	L	69	69	92	92	780	780
DIMENSION & WEIGHT	Battery		85D26R×1	85D26R×1	80D26R×1	80D26R×1	225H52×2	225H52×2
	L×W×H	mm	1,580×890×1,130	1,580×890×1,130	1,850×950×1,300	1,850×950×1,300	4,750×1,950×2,050	4,750×1,950×2,050
	Dry (Operating) weight	kg	690(770)	700(780)	825(925)	835(935)	6,610(7,530)	6,610(7,530)
	Sound power level in decibels	dB	94	94	94	94	104	104
	Sound pressure level	dB[A]	66	66	68	68	78.6	78.6
Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	

● Specifications are subject to change without notice.



01

High-efficiency gears achieve large air volume

AS rotors (highly-efficient gears) enable the device to efficiently produce high-level volumes of air.

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.

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.

06

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

Eco-friendly type with an integrated oil fence

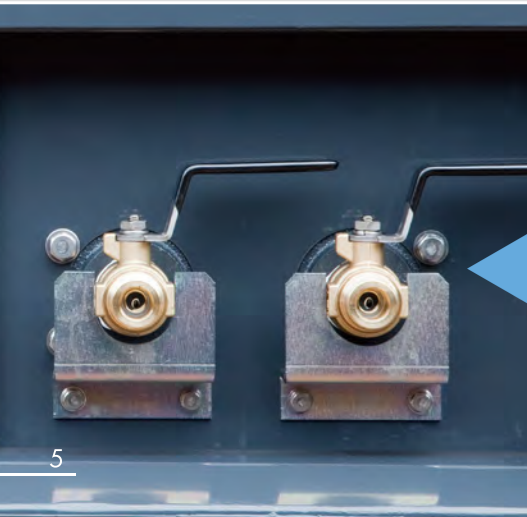
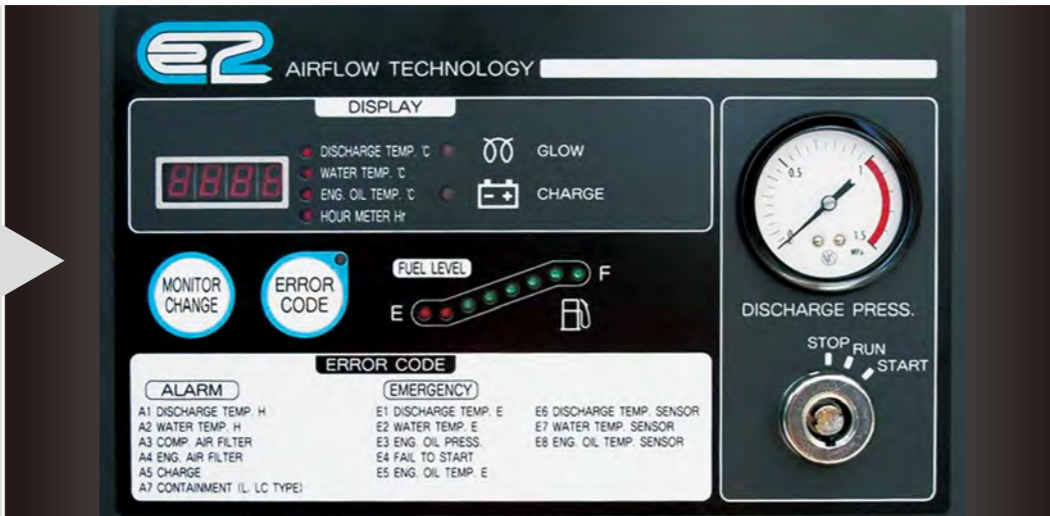
- In case fuel, oil or cooling water leaks on the frame, the oil fence prevents the leakage from flowing outside. It does not guarantee to prevent all oil leaks.
- A built-in aftercooler drain tank that does not discharge to the outside. The tank is easily detachable for easy disposal of drain water.

- [Leak-Guard] Applicable models
Posted on P4
- - PDS65L
 -
 - After-Cooler
 - PDS65LC
 -
 - PDS80L
 -
 - After-Cooler
 - PDS80LC
 -
 - PDS100L
 -
 - After-Cooler
 - PDS100LC
 -
 - PDS140L
 -
 - After-Cooler
 - PDS140LC
 -
 - PDS185S
 -
 - After-Cooler
 - PDS185SC
 -
 - Variable pressure specifications
 - PDSG1400LDP
 -
 - Variable pressure specifications
 - PDSG1400LVR
 -

02

Excellent operability

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



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.



07

Variable pressure

Meeting the needs of a wide variety of applications.



08

Abundant options

Many useful options such as lightweight and rigid hoses, hose drums made from special resins, and casters are available.



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]	0.7[7.14][102]	0.69[7.0][100]
	Compressor capacity	L	8	9	15
	Air outlet valve		3/4"×2	3/4"×2	3/4"×2
ENGINE	Make/Model		KUBOTA D902-K3A	KUBOTA D1105-K3B	YANMAR 3TNV88-BDHK
	Type		Swirl Chamber	Swirl Chamber	Direct-Injection
	Rated output	PS (kW) /min ⁻¹	23.1 (17.0) /3600	26.1 (19.2) /3400	36.5 (26.9) /3000
	Engine oil capacity	L	3.7	4.5	6.7
	Fuel tank capacity	L	25	28	70
DIMENSION & WEIGHT	Battery		55B24R×1	80D26R×1	85D26R×1
	L×W×H	mm	1375×770×865	1,460×770×900	1,580×890×1,080
	Dry (Operating) weight	kg	400 (435)	460 (500)	640 (720)
	Tire Size		—	—	—
	Sound power level in decibels	dB	93<93>	93<95>	94
	Sound pressure level	dB[A]	66<67>	67<67>	66
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3



PDS185S



PDS265S

			PDS185S-6C2 Trailer	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]	0.69[7.0][100]	0.69[7.0][100]
	Compressor capacity	L	15	30
	Air outlet valve		3/4"×2	3/4"×4, 2"×1(OP)
ENGINE	Make/Model		YANMAR 4TNV88-BXDHKS	YANMAR KDP-4TNV98T
	Type		Direct-Injection	Direct-Injection, Turbo-Charged
	Rated output	PS (kW) /min ⁻¹	49.5 (36.4) /3000	83.2 (61.2) /2500
	Engine oil capacity	L	7.4	11
	Fuel tank capacity	L	90	115
DIMENSION & WEIGHT	Battery		80D26R×1	95D31R×1
	L×W×H	mm	2960×1650×1510	2400×1570×1650
	Dry (Operating) weight	kg	860 (960)	1350 (1490)
	Tire Size		175R13-8PR×2W	145R12 8PR×2W
	Sound power level in decibels	dB	98	98
	Sound pressure level	dB[A]	69	70
	Designated emissions regulation		US Tier 3	JPN Stage 3



PDS185S



PDS265S



PDS390S

			PDS185S-5C5 Box	PDS265S-5C3 Box	PDS390S-5C1 Box
COMPRESSOR	Type		Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	5.2	7.5	11.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]	0.69[7.0][100]	0.69[7.0][100]
	Compressor capacity	L	15	30	50
	Air outlet valve		3/4"×3	3/4"×4, 2"×1(OP)	3/4"×4, 2"×1
ENGINE	Make/Model		YANMAR 4TNV88-BXDHKSR	YANMAR KDP-4TNV98T	ISUZU CI-4JJ1X
	Type		Direct-Injection	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	47.5 (34.9) /3000	83.2 (61.2) /2500	114.8 (84.4) /2200
	Engine oil capacity	L	7.4	10.5	15
	Fuel tank capacity	L	90	115	180
DIMENSION & WEIGHT	Battery		80D26R×1	95D31R×1	80D26R×2
	L×W×H	mm	1850×950×1080	2050×1200×1250	2680×1300×1400
	Dry (Operating) weight	kg	755 (850)	1150 (1290)	1660 (1870)
	Tire Size		—	—	—
	Sound power level in decibels	dB	95	98	99
	Sound pressure level	dB[A]	68	70	70
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3



PDS390S



PDS670S

			PDS390S-4C1 Trailer	PDS670S-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]	0.7[7.14][102]	0.7[7.14][102]
	Compressor capacity	L	50	97
	Air outlet valve		3/4"×4, 2"×1	3/4"×2, 2"×1
ENGINE	Make/Model		ISUZU CI-4JJ1X	ISUZU AI-4HK1X
	Type		Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	114.8 (84.4) /2200	161 (118.6) /2000
	Engine oil capacity	L	15	20.5
	Fuel tank capacity	L	180	310
DIMENSION & WEIGHT	Battery		80D26R×2	130F51×2
	L×W×H	mm	3065×1415×1870	3690×1680×2145
	Dry (Operating) weight	kg	1965 (2175)	2940 (3310)
	Tire Size		175R13 8PR×4W	175R13 8PR×4W
	Sound power level in decibels	dB	98	102
	Sound pressure level	dB[A]	70	76
	Designated emissions regulation		JPN Stage 3	JPN Stage 3

● Specifications are subject to change without notice.

After-Cooler PDS-C SERIES

Adiabatic expansion within a high-load device such as a concrete breaker, rapidly cools compressed air, resulting in water droplets that 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 in the 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 Portable Diesel Screw
- ② Air volume (CFM) 1m³/min=35CFM
- ③ Control S : Single pressure
- ④ Type 3 : Skid
4 : Trailer
5 : Box

Do you have the following experiences?



Do you have the following experiences?



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 four hours:



1.8L x 3 bottles

Eliminate moisture from the discharged air

moisture from the discharged air

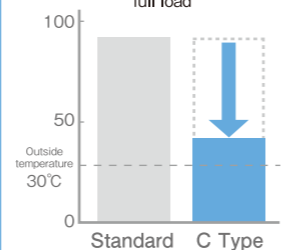
Atmospheric pressure, 30°C, 70%RH
100 for a standard device

moisture remove by **70%**

Reduce the temperature of discharged air

discharged air temperature

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



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

After-Cooler PDS series



PDS80SC



PDS100SC



PDS185SC

		PDS65LC-5C5 Leak guard/Box	PDS80SC-5C5 <PDS80LC-5C5> <Leak guard/Box>	PDS100SC-5C5 <PDS100LC-5C5> <Leak guard/Box>	PDS140LC-5C5 Leak guard/Box	PDS185SC-5C5 Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled					
	Free air delivery	m ³ /min	1.8	2.3	2.8	4.0	5.2
	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]
	Compressor capacity	L	7	8	9	14	15
	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	3/4"×2	3/4"×2 Air Chuck 3/8"×1	3/4"×3
ENGINE	Make/Model	KUBOTA D722-K3A		KUBOTA D902-K3A	KUBOTA D1105-K3B	YANMAR EDM-3TNV88	YANMAR 4TNV88-BXDKSR
	Type	Swirl Chamber		Swirl Chamber	Swirl Chamber	Direct-Injection	Direct-Injection
	Rated output	PS (kW) /min ⁻¹	19.2(14.1)/3600	23.1(17.0)/3600	26.1(19.2)/3400	36.5(26.9)/3000	47.5(34.9)/3000
	Engine oil capacity	L	3.8	3.7	4.5	6.7	7.4
	Fuel tank capacity	L	18	25<33>	28<33>	69	90
	Battery		55B24R×1	55B24R×1	80D26R×1	85D26R×1	80D26R×1
DIMENSION & WEIGHT	L×W×H	mm	1250×700×800	1375×770×865 <1395×770×880>	1460×770×900 <1505×800×905>	1580×890×1130	1850×950×1080
	Dry (Operating) weight	kg	315(345)	405(440)<430(470)>	470(510)<525(565)>	700(780)	765(860)
	Tire Size		—	—	—	—	—
	Sound power level in decibels	dB	93	93<93>	93<95>	94	94
	Sound pressure level	dB[A]	67	66<67>	67<67>	66	68
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3



PDS265SC



PDS265SC



PDS390SC



PDS390SC

		PDS265SC-4C3 Trailer	PDS265SC-5C3 Box	PDS390SC-4C1 Trailer	PDS390SC-5C1 Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m ³ /min	7.5	7.5	11.0	11.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]	0.69[7.0][100]	0.69[7.0][100]	0.69[7.0][100]
	Compressor capacity	L	30	30	50	50
	Discharge Air Temperature	°C	Atmospheric Temperature+20	Atmospheric Temperature+20	Atmospheric Temperature+20	Atmospheric Temperature+20
	Air outlet valve		3/4"×4, 2"×1(OP)	3/4"×4, 2"×1(OP)	3/4"×4, 2"×1	3/4"×4, 2"×1
ENGINE	Make/Model	YANMAR KDP-4TNV98T	YANMAR KDP-4TNV98T	ISUZU CI-4JJ1X	ISUZU CI-4JJ1X	
	Type	Direct-Injection, Turbo-Charged		Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	PS (kW) /min ⁻¹	83.2(61.2)/2500	83.2(61.2)/2500	114.8(84.4)/2200	114.8(84.4)/2200
	Engine oil capacity	L	11	11	15	15
	Fuel tank capacity	L	115	115	180	180
	Battery		95D31R×1	95D31R×1	80D26R×2	80D26R×2
DIMENSION & WEIGHT	L×W×H	mm	2400×1570×1650	2050×1200×1250	3065×1415×1870	2680×1300×1400
	Dry (Operating) weight	kg	1370(1510)	1170(1310)	2005(2215)	1700(1910)
	Tire Size		145R12 8PR×2W	—	175R13 8PR×4W	—
	Sound power level in decibels	dB	98	98	99	98
	Sound pressure level	dB[A]	70	70	70	70
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3

● Specifications are subject to change without notice.

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 an aftercooler to cool the compressed air, an auto drain to discharge collected water, and an 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

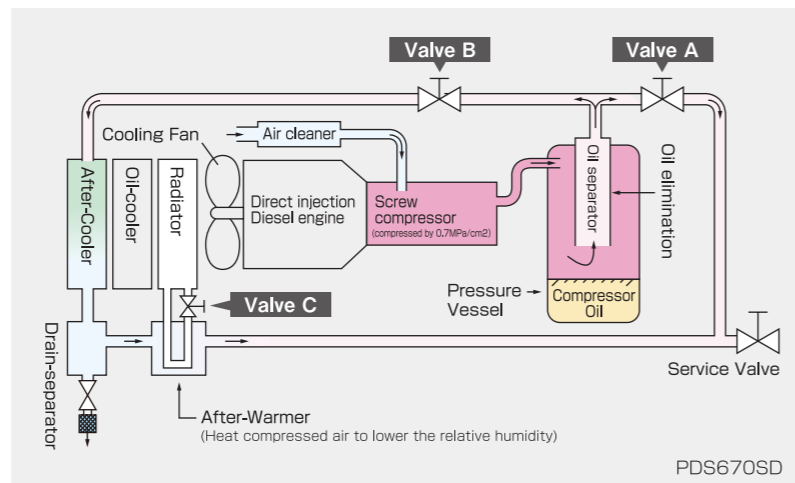
- ① Portable Diesel Screw
- ② Air volume (CFM) 1m³/min=35CFM
- ③ Control S : Single pressure
- ④ Type 4 : Trailer
5 : Box

The following is how dry air is born

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.

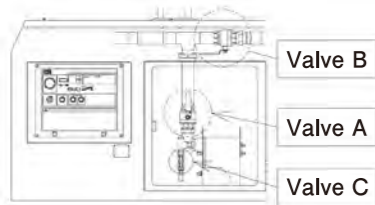
The dehydrated compressed air is heated by the afterwarmer, reusing the hot water from the engine. The heat makes the compressed air less humid, transforming it into dry air.



PDS670SD

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

PDS670SD

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

Dry-Air PDS series



PDS265SD



PDS265SD



PDS390SD



PDS390SD

		PDS265SD-4C3 Trailer	PDS265SD-5C3 Box	PDS390SD-4C1 Trailer	PDS390SD-5C1 Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m ³ /min	7.5	7.5	11.0	11.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.69[7.0][100]	0.69[7.0][100]	0.69[7.0][100]	0.69[7.0][100]
	Compressor capacity	L	30	30	50	50
	Discharge Air Temperature	°C	Atmospheric Temperature+40	Atmospheric Temperature+40	Atmospheric Temperature+40	Atmospheric Temperature+40
	Air outlet valve		3/4"×4, 2"×1(OP)	3/4"×4, 2"×1(OP)	3/4"×4, 2"×1	3/4"×4, 2"×1
ENGINE	Make/Model	YANMAR KDP-4TNV98T	YANMAR KDP-4TNV98T	ISUZU CI-4JJ1X	ISUZU CI-4JJ1X	
	Type	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	PS(kW) /min ⁻¹	83.2(61.2) /2500	83.2(61.2) /2500	114.8(84.4) /2200	114.8(84.4) /2200
	Engine oil capacity	L	11	11	15	15
	Fuel tank capacity	L	115	115	180	180
	Battery		95D31R×1	95D31R×1	80D26R×2	80D26R×2
DIMENSION & WEIGHT	L×W×H	mm	2400×1570×1650	2175×1200×1250	3065×1415×1870	2680×1300×1400
	Dry (Operating) weight	kg	1410(1550)	1210(1350)	2075(2285)	1770(1980)
	Tire Size		145R12 8PR×2W	—	175R13 8PR×4W	—
	Sound power level in decibels	dB	98	98	99	98
	Sound pressure level	dB[A]	70	70	70	70
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3



PDS670SD



PDS600SD/F550SD



PDSG750VRSD

		PDS670SD-4C5 Trailer	PDS600SD/F550SD-4C5 Dual Pressure / Trailer	PDSG750VRSD-4C5 Variable pressure / Trailer	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	19.0	17.0/15.6	25.5~21.2
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]	1.03[10.5][149]/0.7[7.14][102]	1.4[14.3][203]~0.5[5.1][73]
	Compressor capacity	L	97	97	82
	Discharge Air Temperature	°C	Atmospheric Temperature+40	Atmospheric Temperature+40	Atmospheric Temperature+40
	Air outlet valve		3/4"×2, 2"×1, 3/8"×1	3/4"×2, 2"×1, 3/8"×1	2"×1, 3/4"×2
ENGINE	Make/Model	ISUZU AI-4HK1X	ISUZU AI-4HK1X	HINO J08E-UK	
	Type	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	PS(kW) /min ⁻¹	161(118.6) /2000	161(118.6) /2000	268(197) /2100
	Engine oil capacity	L	20.5	20.5	28.5
	Fuel tank capacity	L	310	310	400
	Battery		130F51×2	130F51×2	170F51×2
DIMENSION & WEIGHT	L×W×H	mm	3690×1680×2145	3690×1680×2145	3820×1730×2300
	Dry (Operating) weight	kg	3050(3430)	3090(3470)	3510(3970)
	Tire Size		175R13-8PR×4W	175R13-8PR×4W	185R14-8PR×4W
	Sound power level in decibels	dB	102	101	102
	Sound pressure level	dB[A]	76	72	74
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3

● Specifications are subject to change without notice.

High Pressure

PDSF/K 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, the 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 Portable Diesel Screw

2 Pressure specification symbol

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

3 Air volume (CFM) 1m³/min=35CFM

4 Bonnet type

Blank: Standard
L: Leak-Guard

5 Control

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

6 Special specification

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

7 Type

4: Trailer
5: Box



High Pressure

Full lineup of the high-pressure series

A wide range of discharge pressure ratings from 1.03 to 2.41 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.

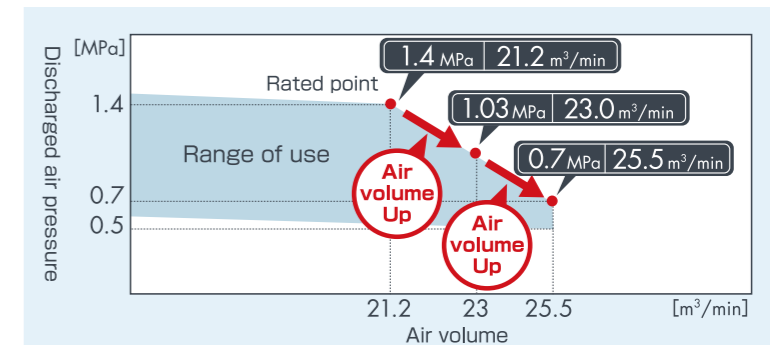
Model	Discharged air pressure (MPa)	Air volume (m ³ /min)
PDS600S/F550S	0.7 / 1.03	17.0 / 15.6
PDSF1000DP	0.7 / 1.03	27.5
PDSG900DP	1.03 / 1.4	24.4
PDSG1400LDP	1.03 / 1.4	39.7
PDSH800DP	1.4 / 1.7	22.1
PDSJ850DP	1.7 / 2.0	24.1
PDSJ1550DP	1.7 / 2.0	42.5

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)



PDSG750VRS

Variable Pressure [VR(S)]

Pressure selector switch

An 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/K series



PDSF100S



PDSF140S

		PDSF100S-5c3 Box	PDSF140S-5c3 Box	PDSF210S-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][149]	1.03[10.5][149]	1.03[10.5][149]
	Compressor capacity	L	15	15	30
	Air outlet valve		3/4"×2	3/4"×3	3/4"×4, 2"×1
ENGINE	Make/Model	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BDHKS	YANMAR KDP-4TNV98T	
	Type	Direct-Injection	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	PS (kW) /min ⁻¹	36.6(26.9) /3000	49.6(34.9) /3000	83.2(61.2) /2500
	Engine oil capacity	L	6.7	7.4	11
	Fuel tank capacity	L	70	90	115
	Battery		80D26R×1	80D26R×1	95D31R×1
DIMENSION & WEIGHT	L×W×H	mm	1580×890×1080	1850×950×1080	2050×1200×1310
	Dry (Operating) weight	kg	640(720)	750(850)	1170(1300)
	Tire Size		—	—	—
	Sound power level in decibels	dB	94	94	98
	Sound pressure level	dB[A]	65	65	69
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3



PDSF315S



PDSF315S



PDSK900S

		PDSF315S-4c1 Trailer	PDSF315S-5c1 Box	PDSK900S-4c2 Trailer	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	8.9	8.9	25.5
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][149]	1.03[10.5][149]	2.41[24.6][350]
	Compressor capacity	L	50	50	120
	Air outlet valve		3/4"×4, 2"×1	3/4"×4, 2"×1	3/4"×1, 2"×1
ENGINE	Make/Model	ISUZU CI-4JJ1X	ISUZU CI-4JJ1X	MITSUBISHI S6B3-PTA	
	Type	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	PS (kW) /min ⁻¹	114.8(84.4) /2200	114.8(84.4) /2200	445(327.3) /1,800
	Engine oil capacity	L	15	15	85
	Fuel tank capacity	L	180	180	710
	Battery		80D26R×2	80D26R×2	195G51×2
DIMENSION & WEIGHT	L×W×H	mm	3065×1415×1870	2680×1300×1400	4,670×2,100×2,315
	Dry (Operating) weight	kg	2005(2215)	1700(1910)	6,470(7,300)
	Tire Size		175R13 8PR×4W	175R13 8PR×4W	7.50-16 12PR×4W
	Sound power level in decibels	dB	99	99	—
	Sound pressure level	dB[A]	70	70	—
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 1

High Pressure PDSF series After-Cooler



PDSF100SC



PDSF140SC

		PDSF100SC-5c3 Box	PDSF140SC-5c3 Box	PDSF210SC-5c3 Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	2.8	4.0	6.0
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][149]	1.03[10.5][149]	1.03[10.5][149]
	Compressor capacity	L	15	15	30
	Air outlet valve		3/4"×2	3/4"×3	3/4"×4, 2"×1
ENGINE	Make/Model	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BDHKS	YANMAR KDP-4TNV98T	
	Type	Direct-Injection	Direct-Injection	Direct-Injection, Turbo-Charged	
	Rated output	PS (kW) /min ⁻¹	36.5(26.9) /3000	49.6(34.9) /3000	83.2(61.2) /2500
	Engine oil capacity	L	6.7	7.4	11
	Fuel tank capacity	L	70	90	115
	Battery		85D26R×1	85D26R×1	95D31R×1
DIMENSION & WEIGHT	L×W×H	mm	1580×890×1080	1850×950×1080	2050×1200×1310
	Dry (Operating) weight	kg	650(730)	750(850)	1170(1300)
	Tire Size		—	—	—
	Sound power level in decibels	dB	94	94	—
	Sound pressure level	dB[A]	65	65	—
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3



PDSF315SC



PDSF315SC

		PDSF315SC-4c1 Trailer	PDSF315SC-5c1 Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled		
	Free air delivery	m ³ /min	8.9	8.9
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.03[10.5][149]	1.03[10.5][149]
	Compressor capacity	L	50	50
	Discharge Air Temperature		Atmospheric Temperature+20	Atmospheric Temperature+20
ENGINE	Make/Model	ISUZU CI-4JJ1X	ISUZU CI-4JJ1X	
	Type	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	
	Rated output	PS (kW) /min ⁻¹	114.8(84.4) /2200	114.8(84.4) /2200
	Engine oil capacity	L	15	15
	Fuel tank capacity	L	180	180
	Battery		80D26R×2	80D26R×2
DIMENSION & WEIGHT	L×W×H	mm	3065×1415×1870	2680×1300×1400
	Dry (Operating) weight	kg	2045(2255)	1740(1950)
	Tire Size		175R13 8PR×4W	175R13 8PR×4W
	Sound power level in decibels	dB	99	99
	Sound pressure level	dB[A]	70	70
	Designated emissions regulation		JPN Stage 3	JPN Stage 3

● Specifications are subject to change without notice.

Leak-Guard

Standard

After-Cooler

Dry-Air

High Pressure

Variable Pressure PDS-DP series



		PDS600S/F550S-4C5 Dual Pressure / Trailer	PDSF1000DP-4C5 Dual Pressure / Trailer	PDSG900DP-4C5 Dual Pressure / Trailer	PDSG1400LDP-5C5 Dual Pressure / Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled				
	Free air delivery	m ³ /min	17.0/15.6	27.5	24.4	40.3/39.7
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]/ 1.03[10.5][149]	0.7[7.14][102]/ 1.03[10.5][149]	1.03[10.5][149]/ 1.4[14.3][203]	1.03[10.5][149]/ 1.5[15.3][220]
	Compressor capacity	L	97	110	95	200
	Air outlet valve		3/4"×2, 2"×1, 3/8"×1	3/4"×1, 2"×3	3/4"×1, 2 1/2"×1	3/4"×1, 3"×1
ENGINE	Make/Model		ISUZU AI-4HK1X	KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D140E-5-B
	Type		Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	161 (118.6) /2000	356.9 (262.5) /2200	356.9 (262.5) /1900	568 (418) /2000
	Engine oil capacity	L	20.5	41	41	61
	Fuel tank capacity	L	310	600	600	780
DIMENSION & WEIGHT	Battery		130F51×2	170F51×2	170F51×2	170F51×2
	L×W×H	mm	3690×1680×2145	4370×2000×2290	4370×2000×2290	4750×1950×2050
	Dry (Operating) weight	kg	2980 (3350)	4990 (5680)	4950 (5620)	6610 (7530)
	Tire Size		175R13 8PR×4W	7.50-16 14PR×4W	7.50-16 14PR×4W	—
	Sound power level in decibels	dB	—	105	103	104
	Sound pressure level	dB[A]	—	75.8	75.5/73.4	78.6
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3



		PDSH800DP-4C5 Dual Pressure / Trailer	PDSJ850DP-4C5 Dual Pressure / Trailer	PDSJ1550DP-4C6 Dual Pressure / Trailer	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	22.1	24.1	43.9/42.5
	Rated operating pressure	MPa[kgf/cm ²][psi]	1.4[14.3][203]/1.7[17.4][250]	1.7[17.4][250]/2.0[20.4][290]	1.7[17.4][250]/2.0[20.4][290]
	Compressor capacity	L	100	98	150
	Air outlet valve		3/4"×2, 2"×1	3/4"×2, 2"×1	3/4"×1, 2"×1
ENGINE	Make/Model		KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D 140E-5-B
	Type		Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	356.9 (262.5) /1900	356.9 (262.5) /1900	568 (418) /2000
	Engine oil capacity	L	41	41	61
	Fuel tank capacity	L	600	600	902
DIMENSION & WEIGHT	Battery		170F51×2	170F51×2	225H52×2
	L×W×H	mm	4370×2000×2290	4370×2000×2290	4900×2100×2500
	Dry (Operating) weight	kg	4955 (5630)	5270 (5940)	7510 (8500)
	Tire Size		7.50-16 14PR×4W	7.50-16 14PR×4W	7.00-15 12PR(i)×4W
	Sound power level in decibels	dB	104	103	104
	Sound pressure level	dB[A]	74	73.5	75
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3

Variable Pressure PDS-DP series After-Cooler/Dry-Air



		PDS600SD/ F550SD-4C5 Dual Pressure / Trailer	PDSF1000DPC -4C5 Dual Pressure / Trailer	PDSG900DPC -4C5 Dual Pressure / Trailer	PDSH800DPC -4C5 Dual Pressure / Trailer	PDSJ850DPC -4C5 Dual Pressure / Trailer	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled					
	Free air delivery	m ³ /min	17.0/15.6	27.5	24.4	22.1	24.1
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.7[7.14][102]/ 1.03[10.5][149]	0.7[7.14][102]/ 1.03[10.5][149]	1.03[10.5][149]/ 1.4[14.3][203]	1.4[14.3][203]/ 1.7[17.4][250]	1.7[17.4][250]/ 2.0[20.4][290]
	Compressor capacity	L	97	110	95	105	98
	Discharge Air Temperature	°C	Atmospheric Temperature+40	Atmospheric Temperature+20	Atmospheric Temperature+20	Atmospheric Temperature+20	Atmospheric Temperature+20
ENGINE	Air outlet valve		3/4"×2, 2"×1, 3/8"×1	3/4"×1, 2"×3	3/4"×1, 2 1/2"×1	3/4"×2, 2"×1	3/4"×1, 2"×1
	Make/Model		ISUZU AI-4HK1X	KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D 125E-5-A	KOMATSU SAA6D 125E-5-A
	Type		Direct-Injection, Turbo -Charged, Intercooled	Direct-Injection, Turbo -Charged, Intercooled	Direct-Injection, Turbo -Charged, Intercooled	Direct-Injection, Turbo -Charged, Intercooled	Direct-Injection, Turbo -Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	161 (118.6) /2000	356.9 (262.5) /2200	356.9 (262.5) /1900	356.9 (262.5) /1900	356.9 (262.5) /1900
	Fuel tank capacity	L	310	600	600	600	600
DIMENSION & WEIGHT	Battery		130F51×2	170F51×2	170F51×2	170F51×2	170F51×2
	L×W×H	mm	3690×1680×2145	4370×2000×2290	4370×2000×2290	4370×2000×2290	4370×2000×2290
	Dry (Operating) weight	kg	3090 (3470)	5100 (5790)	5050 (5720)	5055 (5730)	5350 (6030)
	Tire Size		175R13 8PR×4W	7.50-16 14PR×4W	7.50-16 14PR×4W	7.50-16 14PR×4W	7.50-16 14PR×4W
	Sound power level in decibels	dB	—	105	103	104	103
	Sound pressure level	dB[A]	—	75.8	73	74	73
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3

Variable Pressure PDS-VR series



		PDSG750VRS-4C5 Variable pressure / Trailer	PDSG750VRS-D-4C5 Variable pressure / Trailer	PDSG1400LVR-5C5 Dual Pressure / Box	
COMPRESSOR	Type	Rotary Twin Screw, Single-Stage, Oil-cooled			
	Free air delivery	m ³ /min	25.5~21.2	25.5~21.2	42.5~39.7
	Rated operating pressure	MPa[kgf/cm ²][psi]	0.5[5.1][73]~1.4[14.3][203]	0.5[5.1][73]~1.4[14.3][203]	0.65[6.63][94]~1.4[14.3][203]
	Compressor capacity	L	82	82	200
	Discharge Air Temperature	°C	—	Atmospheric Temperature+20	—
ENGINE	Air outlet valve		3/4"×2, 2"×1	3/4"×2, 2"×1	3/4"×1, 3"×1
	Make/Model		HINO J08E-UK	HINO J08E-UK	KOMATSU SAA6D140E-5-B
	Type		Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged, Intercooled
	Rated output	PS (kW) /min ⁻¹	268 (197) /2100	268 (197) /2100	568 (418) /2000
	Fuel tank capacity	L	400	400	780
DIMENSION & WEIGHT	Battery		170F51×2	170F51×2	170F51×2
	L×W×H	mm	3820×1730×2325	3820×1730×2325	4750×1950×2050
	Dry (Operating) weight	kg	3410 (3870)	3580 (4040)	6610 (7530)
	Tire Size		185R14 8PR×4W	185R14 8PR×4W	—
	Sound power level in decibels	dB	102	102	104
	Sound pressure level	dB[A]	74	74	78.6
	Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3