

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		PDSF900S-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



PDSE900S



PDSE900S



SPECIFICATIONS

Model		PDSF750S-4B4 [Trailer]	PDSF830-4B1 [Trailer]	PDSF1000DP-4C5 [Dual Pressure] [Trailer]	PDSG460S-4B2 [Trailer]	PDSG750S-4B1 [Trailer]	PDSG900DP-4C5 [Dual Pressure] [Trailer]	PDSH600S-4B4 [Trailer]
● COMPRESSOR								
Type		Rotary Twin Screw, Single-Stage, Oil-cooled						
Free air delivery	m³/min	21.2	23.5	27.5	12.5	21.2	24.4	17.0
Rated operating pressure	MPa (kgf/cm²) (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	75	105	110	80	105	95	65
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"×2, 2"×1
● ENGINE								
Make/Model		ISUZU AA-6HK1	MITSUBISHI 6D24-TE1	KOMATSU SAA6D 125E-5-A	HINO J08C-V	MITSUBISHI 6D24-TE1	KOMATSU SAA6D 125E-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, Intercooled	
Rated output	PS (kW) /rpm	248 (182.1) /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 (3580)	4100 (4600)	4990 (5680)	2970 (3310)	4100 (4600)	4950 (5620)	3210 (3580)
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

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