

Box Series

Compressor supplying air energy at construction site

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



PDS55S



PDS130S



PDS265S



SPECIFICATIONS

Model	PDS55S-5C1	PDS75S-5C1	PDS100S-5C1	PDS130S-5C3	PDS185S-5C5	PDS185S-7C5 [Oil Fence]	PDS265S-5B2	
● COMPRESSOR								
Type	Rotary Twin Screw, Single-Stage, Oil-cooled							
Free air delivery	m <sup>3</sup> /min	1.6	2.1	2.8	3.7	5.2	5.2	7.5
Rated operating pressure	MPa(kgf/cm <sup>2</sup> )(psi)	0.69(7.0)(100)	0.69(7.0)(100)	0.69(7.0)(100)	0.69(7.0)(100)	0.7(7.14)(102)	0.7(7.14)(102)	0.69(7.0)(100)
Compressor capacity	L	8	11	11	15	15	15	30
Air outlet valve		3/4"×1	3/4"×2	3/4"×2	3/4"×2	3/4"×3	3/4"×3	3/4"×4, 2"×1(OP)
● ENGINE								
Make/Model	IHI SHIBAURA E673L-D	IHI SHIBAURA S753-D	IHI SHIBAURA S773L-D	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BXDHKSR	YANMAR 4TNV88-BXDHKSR	YANMAR 4TNV98T-NHK	
Type (4Cycle, Water-Cooled)	Swirl-Chamber			Direct-Injection			Direct-Injection, Turbo-Charged	
Rated output	PS(kW)/rpm	14.3(10.5)/3200	20.7(15.2)/3500	25.8(19.0)/3500	36.5(26.9)/3000	47.5(34.9)/3000	47.5(34.9)/3000	83.2(61.2)/2500
Engine oil capacity	L	3	4.2	4.5	6.7	7.4	7.4	10.5
Fuel tank capacity	L	18	28	28	70	90	92	115
Battery		55B24R×1	80D26R×1	80D26R×1	80D26R×1	80D26R×1	80D26R×1	95D31R×1
● DIMENSION & WEIGHT								
Overall length	mm (inch)	1420(55.9)	1580(62.2)	1580(62.2)	1700(66.7)	1970(77.6)	1300(51.2)	2050(80.7)
Overall width	mm (inch)	720(28.3)	750(29.5)	750(29.5)	890(35.0)	950(37.4)	825(32.5)	1200(47.2)
Overall Height	mm (inch)	820(32.3)	867(34.1)	865(34.1)	1080(42.5)	1080(42.5)	925(36.4)	1250(49.2)
Dry (Operating) weight	kg	320(350)	425(465)	425(475)	640(720)	755(850)	825(925)	1150(1290)
Tire Size		—	—	—	—	—	—	—
● OTHER								
Sound power level in decibels	dB	92	92	94	94	95	94	98
Sound pressure level	dB(A)	64	64	66	66	68	68	69
Designated emissions regulation		JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 3	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

Compressor supplying air energy at construction site

Available in a wide range of models to meet your need. Featuring sound-proof structure and low noise, easy operation, and completely monitoring system. High-performance compressor with proven reliability and high 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 <sup>3</sup> /min	5.2	7.5	11.3	18.5	21.2
Rated operating pressure	MPa(kgf/cm <sup>2</sup> )(psi)	0.69(7.0)(100)	0.69(7.0)(100)	0.7(7.14)(102)	0.7(7.14)(102)	0.7(7.14)(102)
Compressor capacity	L	15	30	51	80	80
Air outlet valve		3/4"×2	3/4"×4, 2"×1(OP)	3/4"×2, 2"×1	3/4"×2, 2"×1	3/4"×2, 2"×1, 3/8"×1
● ENGINE						
Make/Model		YANMAR 4TNV88-BDHKS	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	315
Battery		80D26R×1	95D31R×1	130F51×2	115F51×2	115F51×2
● DIMENSION & WEIGHT						
Overall length	mm(inch)	2960(116.5)	2400(94.5)	3605(141.9)	3650(143.7)	2070(81.5)
Overall width	mm(inch)	1650(65.0)	1570(61.8)	1975(77.8)	1685(66.3)	1685(66.3)
Overall Height	mm(inch)	1510(59.4)	1650(65.0)	1755(69.1)	2070(81.5)	2070(81.5)
Dry (Operating) weight	kg	860(960)	1310(1450)	1740(1945)	2850(3190)	2950(3300)
Tire Size		175R13-8PR×2W	145R12 8PR×2W	6.50-14 8PR×2W	175R13 8PR×4W	175R13 8PR×4W
● OTHER						
Sound power level in decibels	dB	98	98	100	102	104
Sound pressure level	dB(A)	69	69	71	73	74
Designated emissions regulation		US Tier 3	JPN Stage 2	US Tier 2	JPN Stage 2	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 explorations. AIRMAN original screw design enable to supply high pressure air. Suitable for foundation job such as jacking method, down the hole method, and large boring construction.



PDSF75S



PDSF140S



## SPECIFICATIONS

Model	PDSE900S-4B1	PDSF75S-5C1	PDSF100S-5C3 [Box]	PDSF140S-5C3 [Box]	PDSF210S-5C3 [Box]	PDSF330DP-6B5 [2 stage Pressure switching] [Trailer]
COMPRESSOR						
Type	Rotary Twin Screw, Single-Stage, Oil-cooled					
Free air delivery	m <sup>3</sup> /min	25.0	2.1	2.8	4.0	6.0
Rated operating pressure	MPa(kgf/cm <sup>2</sup> )(psi)	0.86(8.8)(125)	0.98(10.0)(140)	1.05(10.7)(150)	1.05(10.7)(150)	1.05(10.7)(150)
Compressor capacity	L	105	4.5	15	15	30
Air outlet valve		3/4"×1 2"×2	3/4"×2	3/4"×2	3/4"×2	3/4"×4
ENGINE						
Make/Model	MITSUBISHI 6D24-TE1	IHI SHIBAURA S773L-D	YANMAR 3TNV88-BDHK	YANMAR 4TNV88-BXDHSR	YANMAR 4TNV98T-ZNHK	KUBOTA V3800DI-TI-E2B-COHE1
Type (4Cycle, Water-Cooled)	Direct-Injection, Turbo-Charged	Swirl-Chamber	Direct-Injection	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled
Rated output	PS(kW)/rpm	280(206)/2200	35.1(25.8)/3000	36.6(26.9)/3000	49.6(36.5)/3000	83.2(61.2)/2500
Engine oil capacity	L	54	4.5	6.7	7.4	10.5
Fuel tank capacity	L	400	28	70	90	115
Battery		155G51×2	80D26R×1	80D26R×1	80D26R×1	95D31R×1
DIMENSION & WEIGHT						
Overall length	mm(inch)	4000(157.5)	1580(62.2)	1700(66.7)	1970(77.6)	2050(80.7)
Overall width	mm(inch)	1900(74.8)	750(29.5)	890(35.0)	950(37.4)	1200(47.2)
Overall Height	mm(inch)	2150(84.6)	865(34.1)	1080(42.5)	1080(42.5)	1310(51.6)
Dry (Operating) weight	kg	4150(4650)	440(480)	640(720)	740(840)	1150(1290)
Tire Size		6.50-14 8PR×4W	—	—	—	—
OTHER						
Sound power level in decibels	dB	110	94	94	94	98
Sound pressure level	dB(A)	71.5	65	65	65	69
Designated emissions regulation		JPN Stage 1	JPN Stage 3	JPN Stage 3	JPN Stage 3	JPN Stage 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.



PDSF530S



PDSF750S



PDSF920S



PDSG750S



## SPECIFICATIONS

Model	PDSF530S-4B2 [Trailer]	PDSF750S-4B3 [Trailer]	PDSF830-4B1 [Trailer]	PDSF920S-4B3 [Trailer]	PDSF920S/G820S-4B1 [2 stage Pressure switching] [Trailer]	PDSG460S-4B2 [Trailer]	PDSG750S-4B1 [Trailer]
COMPRESSOR							
Type	Rotary Twin Screw, Single-Stage, Oil-cooled						
Free air delivery	m <sup>3</sup> /min	15.0	21.2	23.5	26.0	26.0/23.2	12.5
Rated operating pressure	MPa(kgf/cm <sup>2</sup> )(psi)	1.05(10.7)(150)	1.05(10.7)(150)	1.05(10.7)(150)	1.05(10.7)(150)	1.05(10.7)(150)/1.27(13.0)(185)	1.27(13.0)(185)
Compressor capacity	L	80	68	105	120	120	80
Air outlet valve		3/4"×2, 2"×1	3/4"×2, 2"×2	3/4"×2, 2"×2	3/4"×1, 2"×1	3/4"×1, 2"×1	3/4"×2, 2"×1
ENGINE							
Make/Model	HINO J08C-V	ISUZU AA-6HK1X	MITSUBISHI 6D24-TE1	MITSUBISHI 6D24-TLE2A	MITSUBISHI 6D24-TLE2A	HINO J08C-V	MITSUBISHI 6D24-TE1
Type (4Cycle, Water-Cooled)	Direct-Injection	Direct-Injection, Turbo-Charged, Intercooled	Direct-Injection, Turbo-Charged	Direct-Injection, Turbo-Charged, Intercooled		Direct-Injection	Direct-Injection, Turbo-Charged
Rated output	PS(kW)/rpm	160(118)/2500	247(182)/2000	280(209)/2200	324(238)/2200	LP: 324(238)/2200 HP: 320(235)/2000	160(118)/2200
Engine oil capacity	L	23	44	54	49	49	54
Fuel tank capacity	L	270	300	400	400	555	270
Battery		115F51×2	155G51×2	155G51×2	170F51×2	170F51×2	115F51×2
DIMENSION & WEIGHT							
Overall length	mm(inch)	3650(143.7)	4095(161.2)	4000(157.5)	4250(167.3)	4350(171.3)	3650(143.7)
Overall width	mm(inch)	1685(66.3)	2150(84.6)	1900(74.8)	1900(74.8)	2000(78.7)	1685(66.3)
Overall Height	mm(inch)	2070(81.5)	2130(83.9)	2150(84.6)	2150(84.6)	2445(96.3)	2070(81.5)
Dry (Operating) weight	kg	2890(3230)	3210(3570)	4150(4650)	4250(4750)	4650(5300)	2890(3230)
Tire Size		175R13 8PR×4W	8.25-16 14PR×2W	6.50-14 8PR×4W	6.50-14 8PR×4W	6.50-16 10PR×4W	6.50-14 8PR×4W
OTHER							
Sound power level in decibels	dB	102	103	110	109	104	102
Sound pressure level	dB(A)	73	73	80	79	78.6	73
Designated emissions regulation		JPN Stage 2	China GB II	JPN Stage 1	JPN Stage 2 China GB II	JPN Stage 2 China GB II	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.