

SECTION 9

PORTABLE
AIR COMPRESSORS

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Features

PORTABLE AIR COMPRESSORS

Superb durability

- A job-proven Komatsu construction equipment engine with excellent durability is mounted.
- The Z-screw is well balanced, and the bearings are semipermanent . In addition, the construction is simple and the reliability is high.
- The blades have high resistance to wear, and there is almost no drop in the amount of discharge air caused by wear of the blades.

Excellent economy

- The optimum matching between the low fuel consumption engine and the high efficiency Z-screw ensures reduced fuel consumption.

Easy transportation and storage

- A compact, high output engine and simple Z-screw are used, so the compressors are lighter and more compact than those of other companies.

Easy operation

- A fully automatic control system using an IC controller is used to make starting operations extremely easy (silenced type).
- An automatic load reducing device and loading button type are used to make starting easy(standard type).

Low noise

- The use of a large muffler and sound suppressing material, and the use of an in take duct make the noise extremely low(low-noise type).

High levels of safety

- A monitor system is used, so when there is an abnormality, starting is prevented or an emergency stop is activated.

Easy maintenance

- Daily inspection and maintenance is made easier by the simplification of drainage of oil from the reservoir, together with the use of a one-piece compressor case, cartridge type filter element, and tilting hood(EC35Z(S),EC50Z(S)).

Specifications

AIR COMPRESSORS

Model		EC25Z-1	EC35Z-2	EC50Z-5	EC75Z-3
Compressor:					
Rated operating pressure	kg/cm ² (PSI)	7.0 (100)	7.0 (100)	7.0 (100)	7.0 (100)
Actual free-air delivery	m ³ /min(CFM)	2.5 (88)	3.7 (131)	5.0 (177)	7.5 (265)
Capacity of compressor oil	ltr.(U.S.Gal)	16 (4.2)	18 (4.8)	21 (5.5)	40 (10.6)
Capacity of air receiver	ltr.(U.S.Gal)	39 (10.3)	39 (10.3)	39 (10.3)	110 (29.1)
Air service cock	in.	Ø3/4" × 2	Ø3/4" × 3	Ø3/4" × 3	Ø3/4" × 3
Engine:					
Model		KOMATSU 2D94	KOMATSU 3D95S	KOMATSU 4D95S	KOMATSU 4D95L
Number of cylinders- bore × stroke	mm (in)	2 – 94 × 106 (3.7" × 4.17")	3 – 95 × 95 (3.74" × 3.74")	4 – 95 × 95 (3.74" × 3.74")	4 – 95 × 115 (3.74" × 4.53")
Piston displacement	ltr.(cu.in)	1.47 (90)	2.02 (123)	2.69 (164)	3.26 (199)
Rated output	HP(kW/RPM)	25(19)/2500	35(26)/2650	45(33)/2800	64(48)/3000
Capacity of lubricating oil	ltr.(U.S.Gal)	5.6 (1.5)	5.0 (1.3)	7.0 (1.8)	7.0 (1.8)
Capacity of fuel tank	ltr.(U.S.Gal)	37 (9.8)	60 (15.9)	75 (19.8)	120 (31.7)
Dimentions and weight:					
Overall length	mm(fi.in)	*2450 (8' 0")	2545 (8' 4")	2775 (9' 1")	*3060 (10' 0")
Overall width	mm(fi.in)	1250 (4' 1")	1175 (3'10")	1175 (3'10")	1350 (4' 5")
Overall height	mm(fi.in)	*1530 (5' 0")	*1450 (4' 9")	1420 (4' 8")	*1600 (5' 3")
Dry weight(approx.)	kg(lb)	*700 (1,540)	*720 (1,590)	*845 (1,860)	*1100 (2,425)

* indicates non noise-proof type.

Specifications

AIR COMPRESSORS

Item		Model	EC105Z-1	EC170Z-1	EC210Z-1	EC260Z-1
Compressor:						
Rated operating pressure	kg/cm ² (PSI)		7.0 (100)	7.0 (100)	7.0 (100)	7.0 (100)
Actual free-air delivery	m ³ /min(CFM)		11.0 (388)	17.0 (600)	21.0 (742)	25.5 (900)
Capacity of compressor oil	ltr.(U.S.Gal)		55 (14.5)	70 (18.5)	100 (26.4)	120 (31.7)
Capacity of air receiver	ltr.(U.S.Gal)		200 (52.8)	290 (76.6)	390 (103.0)	470 (124)
Air service cock	in.		Ø2"×1, Ø3/4"×3	Ø2"×1, Ø3/4"×3	Ø2"×1, Ø3/4"×3	Ø2"×1, Ø3/4"×3
Engine:						
Model			KOMATSU S4D105	KOMATSU S6D105	KOMATSU SA6D110	KOMATSU S6D125
Number of cylinders- bore x stroke	mm (in)		4 – 105×125 (4.13"×4.92")	6 – 105×125 (4.13"×4.92")	6 – 110×125 (4.33"×4.92")	6 – 125×150 (4.92"×5.91")
Piston displacement	ltr.(cu.in)		4.33 (264)	6.49 (396)	7.13 (435)	11.04 (674)
Rated output	HP(kW/RPM)		101(75)/2400	152(113)/2500	189(141)/2500	228(170)/2150
Capacity of lubricating oil	ltr.(U.S.Gal)		15 (4.0)	24 (6.3)	28 (7.4)	32 (8.5)
Capacity of fuel tank	ltr.(U.S.Gal)		170 (44.9)	300 (79.3)	300 (79.3)	400 (105.7)
Dimentions and weight:						
Overall length	mm(fi.in)		*2900 (9' 6")	*3500 (11' 6")	3500 (11' 6")	3900 (12'10")
Overall width	mm(fi.in)		1400 (4' 7")	1700 (5' 7")	1700 (5' 7")	1800 (5'11")
Overall height	mm(fi.in)		*1860 (6' 1")	*2130 (7' 0")	2130 (7' 0")	2050 (6' 9")
Dry weight(approx.)	kg(lb)		*1850 (4,080)	*2850 (6,280)	2950 (6,500)	3750 (8,270)

* indicates non noise-proof type.