

High Pressure Type

The energy produced by this high-pressure compressor is applicable to innovative technologies and new machines.



DIS-600EHS



DIS-1070XS



DIS-1300UB

This type of screw compressors display full performance in a down-the-hole process and a large-diameter boring process and can be applied to groundimproving machines, pneumatic lifts, and concrete-blowing machines. The discharge pressure ranges from 1.03 MPa to 2.4MPa. The DIS-1070XS is also equipped with a two-stage discharge pressure selector to meet a wide range of application requirements.

Specifications

Model	DIS-600EHS	DIS-1300UB	DIS-1070XS
	TRAILER TYPE	BOX TYPE	TRAILER TYPE

COMPRESSOR

Type	Rotary screw, single-stage compression, oil cooled (DIS-1070XS: two-stage compression)		
Rated Pressure MPa (psi)	1.03 (150)	1.27 (185)	2.40 (350) / 1.27 (185)
Air Delivery m ³ /min (cfm)	17 (600)	36.8 (1300)	30.3 (1070)
Lube Oil Capacity L	95	220	210
Air Tank Capacity m ³	0.186	0.52	0.33
Service Cock Size x Q'ty	20A×3, 50A×1	80A×1	20A×1, 50A×1

ENGINE

Model	*1	Hino J08C-UT	Komatsu SA6D140-1	Mitsubishi S6B3-PTA
Type	Direct injected, turbocharged			
No. of Cylinders—Bore x Stroke mm		6-114×130	6-140×165	6-135×170
Displacement L		7.961	15.240	14.600
Rated Output kW (PS)		138 (188)	327 (445)	342 (465)
Rated Revolution min ⁻¹		1900	1800	1800
Fuel	Diesel fuel (ASTM No.2 or equivalent)			
Fuel Tank Capacity L		280	660	680
Fuel Consumption *3 L/h		[21.4] 25.8	[53.0] 62.2	[50.0] 61.0 [44.2] 56.0
Lube Oil Capacity L		25.5	80	85
Coolant Capacity L		25	142	75
Battery x Quantity		145F51×2	245H52×2	245H52×2

DIMENSIONS, WEIGHT, TRAILER & SOUND LEVEL

Length mm		3830 ^{*2}	4510	5160 ^{*2}
Width mm		1600	1870	2200
Height mm		2035	2210	2370
Dry Weight kg		3130	7480	6600
Trailer: No. of Tires x Tire Size *4		4×F: 6.00-13-8PR R: 6.50-14-8PR	—	4×F: 7.50-16-12PR R: 7.50-16-8PR
Sound Level 7mdB(A)		70	—	76

NOTES: *1 All models are equipped with 4-cycle engine.
*2 The figures in () are for mounted trailers.
*3 Fuel consumption data is at 50% / 70% load condition.
*4 Maximum towing speed for trailer type units is 25km/h.

Box (Large Capacity) Type

This-1850SB is used not only in the construction site but also in the factory, and the skiing ground as the air source.



DIS-1850SB

Specifications

Model	DIS-1850SB
	BOX TYPE

COMPRESSOR

Type	Rotary screw, single-stage compression, oil cooled
Rated Pressure MPa (psi)	0.69 (100)
Air Delivery m ³ /min (cfm)	52.4 (1850)
Lube Oil Capacity L	220
Air Tank Capacity m ³	0.66
Service Cock Size x Q'ty	JIS10K 100A×1

ENGINE

Model	*1	Komatsu SA6D140-1
Type	Direct injected, turbocharged	
No. of Cylinders—Bore x Stroke mm		6-140×165
Displacement L		15.240
Rated Output kW (PS)		302 (411)
Rated Revolution min ⁻¹		1800
Fuel	Diesel fuel (ASTM No.2 or equivalent)	
Fuel Tank Capacity L		400
Fuel Consumption *3 L/h		[45.9] 56.6
Lube Oil Capacity L		80
Coolant Capacity L		142
Battery x Quantity		245H52×2

DIMENSIONS, WEIGHT, TRAILER & SOUND LEVEL

Length mm		4970
Width mm		2300
Height mm		2200
Dry Weight kg		8050
Sound Level 7mdB(A)		76