OKOODEC

DIESEL ENGINE

KDPU SERIES FOR INDUSTRIAL

Model: 6KDPU-270

Prime power Standby Power 270.0KW(362.0HP)/2350 rpm 297.0KW(398.0HP)/2350 rpm

- The engine performance is as per ISO 3046. Type of operation is based on ISO 8528.

12 V x 2 x 120 Ah

Battery

- Prime power is available for an unlimited number of hours per year in a variable load application.
- The permissible average power output over 24 hours of operation shall not exceed 80% of the prime power rating.

Engine Specifications		Fuel System	
In-Line, 4 stroke, water-cooled, Turbocharged		Injection pump	Direct Injection type
Combustion type	Direct injection	Governor	Electronic type
Cylinders - Bore × stroke	6 - 126 × 130 mm	Feed pump	Mechanical type
Displacement	9726 cc	Injection nozzle	Multi-hole type/ 0.255 mm
Firing order	1-5-3-6-2-4	Opening pressure	25+0.5MPa
Compression ratio	16:1	Fuel filter	Single Stage, Paper
Dry weight	Approx. 990 kg	Fuel Consumption	
Dimension(LxWxH)	1775 × 865 × 1220 mm	Prime power at 2350rpm	70.0 liters/h
Rotation	Anti-clockwise	Standby power at 2350rpm	77.0 liters/h
Flywheel / Housing	SAE # 14 / # 1		
Cooline Contour		Lubrication Contant	
Cooling System	Fresh water forced	Lubrication System	
Cooling method	type	Lub. Oil Pan Capacity	28.0 liters
Water pump	Centrifugal, Belt driven	Max. allowable Oil Temp	120 degree C.
	28.0 liters (engine		120 008.00 01
Water Capacity	only)		
			Min. 294 kPa
Max. water Temp	95 degree C.	Oil pressure	Max. 490 kPa
Cooling Fan	Blade 7EA - Ø 760 mm		
Intake & Exhaust System		Engineering Data	
Max air restriction	Clean 2 kPa / Dirty 5 kPa	Combustion Air at 2350rpm	27.50 m3/min
Exhaust back	Max 6 kPa	Exhaust Gas at 2350rpm	53.82 m3/min
			55.82 115/1111
Electric System		Conversion Table	
Charging generator	27.5 V × 55 A	PS = kW × 1.3596	in. = mm × 0.0394
Starting motor	24 V × 7.5 kW	psi = kg/cm2 × 14.2233	

HP= PS x 0.98635

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641 222 442 2XM18X1.5 Speed sensor Start motor Ø ₹. -4Xø18 Air inlet M14X1.5 M14X1.5 Water temperature sensor connector l outlet M14X1.5 21/2/8 Speed controlleve Oil fille Silensor : Exclude Water inlet 00000 79888 180000 •••• Radiator : Exclude • : н . -240 -120 0 _____0 ____13 368 581 1493 僱 ۲ -360 \bigcirc မွှု ĥ 1030 • М === ہ ہ . . • • 272 0 ___/__ M18X1.5 Oil pressure sensor connector BB -Outlet M12X1.5525 #466.72H7 #484 -900 뾠 ¢511 17H8 -650 putlet 1/25 DATE 18.09.21 킖 CUSTOMER B view KOODEC POWER L ENGINE ASSEMBL' 6KDPU-270 Magnetic pickup sensor M18X1.5 I **.** 90 153 æ

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Dipstick

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