



Enriching Lives



W&C  
WELLING & CROSSLEY

# KDD & KDT SERIES GENERATORS

## 5 to 20 kVA 1 and 3 Phase



**These Kirloskar KDD and KDT range of generators are powered by their reliable DA and TA series engines.**

The KDD and KDT ranges of single and three phase generators feature Kirloskar's DA and TA series Air Cooled, Direct Injection, Diesel Powered engines. Kirloskar Oil Engine Limited is India's largest manufacturer of Air Cooled diesel engines with modern production facilities and state of the art quality control.

The KDD and KDT ranges are ideal for bore pump use and all sets can be fitted with Welling & Crossley's own IGC114 control panel featuring full engine protection and auto start capability as an option. The fuel tanks are designed to give a



minimum of 6hrs of continuous running time on one tank.

The IGC114 panel features all the engine protection that is expected of a modern control panel including monitoring of:

- Oil Pressure
- Engine cooling temperature whether the engine is air or water cooled
- Battery charge voltage
- Over speed
- AC generator functions
- Pump functions inc. high and low pressure
- Optional set functions
- Engine start/stop ( Manual and Auto start available)
- Single or 3 phase

# Models & Specifications

## SINGLE PHASE

SPECIFICATIONS	KDT5/1	KDT10/1
ENGINE MODEL	TA1	TA2
ELECTRIC POWER	1PH	
ACTIVE POWER	5 kVA	10 kVA
POWER	4 kW	8 kW
VOLTAGE	240 v	
FREQUENCY	50 hz	
DIMENSIONS	1400 x 900 x 1400 mm	
WEIGHT	420 kg	460 kg

## THREE PHASE

SPECIFICATIONS	KDD16/3	KDD20/3
ENGINE MODEL	DA16	DA20
ELECTRIC POWER	3PH	
ACTIVE POWER	16 kVA	20 kVA
POWER	12.8 kW	16 kW
VOLTAGE	415 v	
FREQUENCY	50 hz	
DIMENSIONS	1400 x 900 x 1400 mm	
WEIGHT	460 kg	

## ENGINE SPECIFICATIONS

SPECIFICATIONS	TA1	TA2	DA16	DA20
ENGINE SPEED	1500 RPM			
CYLINDERS	1	2		
CUBIC CAPACITY	0.662	1.324	1.56	1.9
BORE / STROKE	87.5 mm x 110 mm		95 mm x 110 mm	102 mm x 110 mm
COMPRESSION RATIO	17.5 : 1			
ASPIRATION	N/A			
STARTER VOLTAGE	12 V			
CONT. OUTPUT	4.4 kW (6 hp)	8.8 kW (12 hp)	11.8 kW (16 hp)	14.8 kW (20 hp)
COOLING SYSTEM	AIR COOLED			
FUEL TYPE	DIESEL			
FUEL TANK CAPACITY	6.5 L	11.5 L		
FUEL CONSUMPTION (FULL LOAD)	1.4 L/ph	2.9 L/ph	3.9 L/ph	4.8 L/ph



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