

KIRLOSKAR ELECTRIC COMPANY

*Professional &
Trust worthy...*



- Economic Product cost**
- Low diesel consumption**
- Low Lube oil consumption**
- Longer interval between Overhauls**
- Longer life of parts**
- Economically priced spares**

*... that is how our customers describe
their experience with us.*

Almost all makes of Diesel Gensets supplied are in Ready To Use (RTU) version;
Then what is that extra one can look up to by finalizing order for
BLISS Diesel Genset of Kirloskar Electric?



KIRLOSKAR ELECTRIC
BLISS
Power-fully Reliable



PROJECT MANAGEMENT INPUTS	EXPERIENCE OF SIMILAR APPLICATION	TECHNICAL EXPERTISE	INDUSTRY SPECIFIC SOLUTIONS	COST OPTIMISED SOLUTIONS	BEST PRACTICE REFERENCES	SEAMLESS INTEGRATION OF PHASES
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Stage	Project Stages	BLISS supports you and partners you in setting targets and achieving the same for each of the stages				
1	User Department Indent					
2	List of loads to be considered on Diesel Genset					
3	Preliminary identification of site					
4	Load study and interaction on best way to deal					
5	Application study and interaction for best course to take					
6	Sizing of Diesel Genset					
7	Recommendations on sequencing, balancing etc.					
8	Specifications drafting					
9	Firming up scope of Supply					
10	Firming up scope of Services					
11	Firming up location and its requirements					
12	Ordering for product supply					
13	Ordering for installation work					
14	Civil work					
15	Material shifting					
16	Structural					
17	Piping					
18	Arranging accessories					
19	Laying					
20	Termination					
21	Approvals					
22	Training					
23	Logistics					
24	Commissioning					
25	Ordering for consumables and spares					
26	Preventive maintenance					
27	Annual service contract					

Technical Particulars of Kirloskar Electric BLISS DG Sets - Independence Series

	Model	180K-6IKK135ZLD	200K-6IKK135ZLD	250K-6IKC120IZD2	320K-12VKK135AZD	380K-12VKK135IAZLD	500K-12VKK135IBZLD2
DG SET	RATING (kVA)	180	200	250	320	380	500
	Rated kW	144	160	200	256	304	400
	Rated Current (Amps)	251	278	348	445	528	695
	Length x Width x Height (mm)x(mm)x(mm)	4600 x1600x2000	4600 x1600x2000	4600 x1600x2000	5100x2100x2300	5400x2100x2300	6200x2100x2450
	Total Dry Weight (Kgs)	3800	3800	3800	5700	5900	6750
	Make	Kirloskar Electric	Kirloskar Electric	Kirloskar Electric	Kirloskar Electric	Kirloskar Electric	Kirloskar Electric
	Model	6IKK135ZLD	6IKK135ZLD	6IKC120IZD2	12VKK135AZD	12VKK135IAZLD	12VKK135IBZLD2
	BHP	254	254	321	408	461	645
	No. of Cylinders	6	6	6	12	12	12
	RPM	1500	1500	1500	1500	1500	1500
	Bore(mm)	135	135	120	135	135	135
	Stroke(mm)	150	150	152	150	150	155
	Displacement(ltrs)	12.88	12.88	10.45	25.80	25.80	26.6
	Compression ratio	17:1	17:1	16.5:1	16:1	16:1	16:1
	SFC at FL (gms/BHP-hr)	147 (+ 5%)	147 (+ 5%)	150 (+ 5%)	155 (+ 5%)	147 (+ 5%)	142 (+ 5%)
ENGINE	Governor	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Class of Governing	A1	A1	A1	A1	A1	A1
	Aspiration	TCI	TCI	TCI	TC	TCI	TCI
	Air filter	Dry type	Dry type	Dry type	Dry type	Dry type	Dry type
	Fuel	HSD	HSD	HSD	HSD	HSD	HSD
	Type of oil	CF	CF	CF	CF	CF	CF
	Oil sump capacity(ltrs)	24	24	27.5	34	34	34
	Lub Oil consumption (gms/BHP-hr)	0.22	0.22	0.15	0.30	0.30	0.30
	Cooling	Radiator cooled STD (Heat exchanger cooled optional)					
	Bare Radiator Coolant capacity(ltrs)	24	24	34	36	50	110
	Coolant Capacity with engine Jacket(ltrs)	23	23	20	48	48	48
	Engine Dry Weight (Kgs)	1200	1200	960	1800	1850	1900
	Electric Starting System	24V DC	24V DC	24V DC	24V DC	24V DC	24V DC
	Make	KEC	KEC	KEC	KEC	KEC	KEC
	Model	4AB280M1	4AB280M1	4AB280L1	4AB315S1	4AB315M1	4AB355S1
	Type	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
	Rating (kVA)	180	200	250	320	380	500
	Voltage (V)	415	415	415	415	415	415
ALTERNATOR	No. of Phases	3	3	3	3	3	3
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8
	Speed (RPM) / Frequency (Hz)	1500 / 50	1500 / 50	1500 / 50	1500 / 50	1500 / 50	1500 / 50
	Voltage Regulation	+/- 1%	+/- 1%	+/- 1%	+/- 1%	+/- 1%	+/- 1%
	Endlosure	SPDP	SPDP	SPDP	SPDP	SPDP	SPDP
	Insulation class	H	H	H	H	H	H
	Weight of ACG(Kgs)	645	645	870	925	1080	1450
	Make	Kirloskar Electric					
	Type	RTU as Standard					
	Power Interruption	By Moulded case circuit breaker	By Moulded case circuit breaker	By Moulded case circuit breaker	By Moulded case circuit breaker	By Moulded case circuit breaker	By Moulded case circuit breaker
CONTROL PANEL	Monitoring	BLISS EAR MONITOR WITH LCD display indicating kWh, kW, kVA, pf, Volts, Amps, Hz, RPM, Hour, Oil pressure, Oil temperature, Coolant Temperature & Fuel Level.					
	Indications	Short circuit, Over Current, Over Speed, Over Load as Standard & Reverse Power as optional					
	Protection	Safeties Auto shut down, Visual & audio alarm for low lub oil pressure, High coolant temperature, Low fuel level & Radiator water level					
	Safeties	Auto shut down, Visual & audio alarm for low lub oil pressure, High coolant temperature, Low fuel level & Radiator water level					
	Make	Exide	Exide	Exide	Exide	Exide	Exide
	Type	MAINTENANCE FREE					
BATTERY	Rating (AH)	180	180	180	180	180	180
	Quantity(Nos)	2	2	2	2	2	2
	Charging Facility	Charging Alternator					
	Battery metering	DC Voltmeter / Auto charging cut off					
	Silencer type	Hospital / Residential					
EXHAUST SYSTEM	Location	TOP					
	Exhaust pipe size(inches)	6	6	6	8	8	8
FUEL TANK	Type	Detachable, Mechanical level indicator, Strainer & Drain cock					
	Capacity (ltrs)	400	400	500	650	650	850
	Type	BOLTED					
CANOPY	Sheet metal	CRCA					
	Draft	NATURAL					
	Insulation	ROCK WOOL					
	Noise level at one mtr	75 db @ one mtr In line with CPCB norms					
	Base frame	ISMC					
OTHER ITEMS	AVMs Qty(Nos.)	6	6	6	8	8	8
	Emergency stop	YES	YES	YES	YES	YES	YES
	Internal Lights	YES	YES	YES	YES	YES	YES

Engine Power Declared is at NTR.

In view of the continuous product development, the format furnished is subject to revision. Since published data is widely circulated, responsibility of seeking update rests with the user.

KEC/PGG/S/100/500/R1 Date:- 18-01-2011