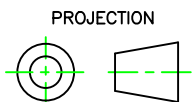
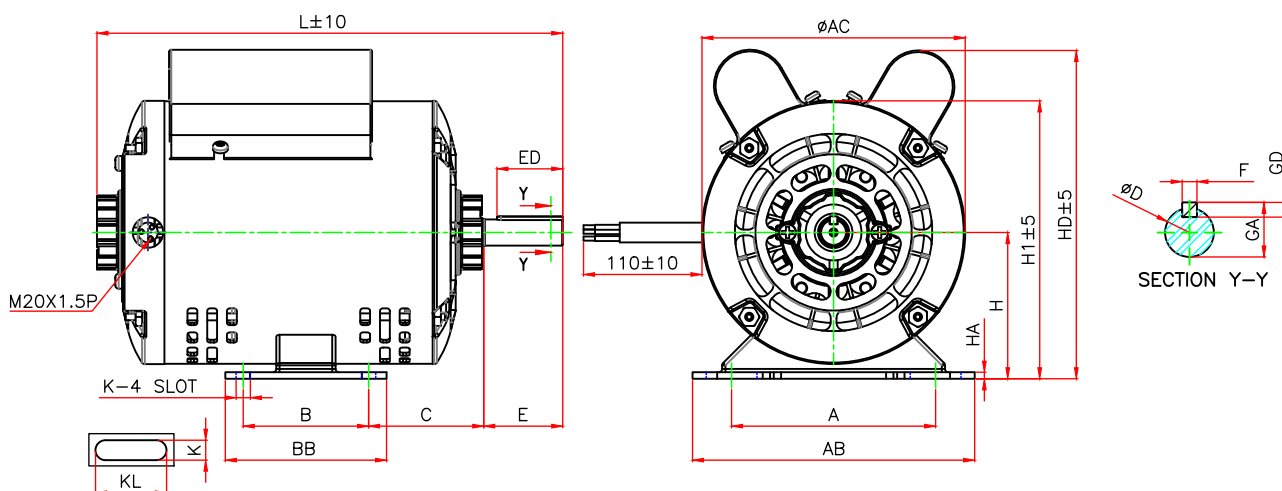


KM1**TECHNICAL DATASHEET
1 PHASE INDUCTION MOTOR****kirloskar
motors**

Sr No	Parameter	Unit	Data
Product Specifications			
1	Rated Output	kW	0.37
2	Number of Poles	No	4
3	Frame Designation		D56
4	Product Code		KM1.0D37.BHM.B03.OSS
5	Mounting		B3
Electrical			
6	Type of Duty		Continuous S1
7	Rated Voltage	V	220 ±10%
8	Rated Frequency	Hz	50 ±5%
9	Rated Speed	RPM	1425
10	Rated Current	A	3.4
11	Method of Starting		Capacitor start capacitor run
12	Starting Capacitor at rated voltage	μF	120 at 275V
13	Running Capacitor at rated voltage	μF	12.5 at 440V
14	Starting Current (SCC)	A	28
15	Rated Torque	Kg-m	0.251
16	Starting Torque (STT)	% of FLT	250
17	Efficiency at 100% load	%	60
18	Power factor at 100% load		0.80
19	Insulation Class / Thermal Limit		F/B
Mechanical			
20	Degree of Protection		IP23
21	Material of construction		
	Body / Enclosure		CRCA sheet / DP
	Endshield		Aluminium
	Winding starting / running		Al / Al
22	Bearing DE/NDE		6203 2RS / 6203 2RS
23	Type of Coupling		Direct/Flexible
24	Moment of Inertia GD ²	kg-m ²	0.0124
25	Position of Terminal Box		Rear endshield
26	Maximum Cable Entry		Flying lead
27	Direction of Rotation		Bidirectional
28	Paint Shade		RAL 7046- Telegrey
29	Net weight	kg	10.3
30	Accessories		NA
Enviromental			
31	Ambient Temperature /Temperature Rise (By resistance method)	°C	40 / 80
32	Altitude Above MSL	m	≤ 1000
Notes: All performance data shall be subject to tolerances as per IS996			
Customer		PO No./ Enq. No	
		Date	
Checked	BMD	08-05-2023	
Approved	SSN	08-05-2023	Document No: KM1-001 Rev.0
KIRLOSKAR OIL ENGINES LTD.			
ELECTRIC MOTORS			



GENERAL ARRANGEMENT DRAWING FOR 1 PHASE INDUCTION MOTOR



MODEL	KW	FRAME	FOOT FIXING								OVER ALL				
			A±1.2	B±1.2	C±0.8	H $\begin{smallmatrix} +0.00 \\ -1.60 \end{smallmatrix}$	AB	BB	K	KL	AC	L	H1	HD	HA
DS1001	0.37	B56	124	76.2	70	88.9	171.5	98	8.64	30.84	160	283	169	200	4

D END SHAFT EXTENSION AND KEY					
D $\begin{smallmatrix} +0.008 \\ -0.003 \end{smallmatrix}$	E	ED	F $\begin{smallmatrix} +0.00 \\ -0.05 \end{smallmatrix}$	GD $\begin{smallmatrix} +0.00 \\ -0.05 \end{smallmatrix}$	GA $\begin{smallmatrix} +0.00 \\ -0.10 \end{smallmatrix}$
15.870	48	40	4.81	4.81	17.935

ALL DIMENSIONS ARE IN mm,

	NAME	DATE	kW	0.37	FRAME	B56
DRAWN	SGS	06/02/2023	POLE	4	MOUNTING	B3 (HORIZONTAL FOOT)
CHECKED	SGS	06/02/2023	PRODUCT CODE	KM1.0D37.BHM.B03.OSS	CUSTOMER	
APPROVED	SSN	06/02/2023	MAX. CABLE SIZE	—	PO NO	
			PROJECT		CLIENT	

KIRLOSKAR OIL ENGINES LTD.
ELECTRIC MOTORS

DO NOT SCALE
FORMAT NO.:KM-GA-2021 R0

DRAWING NO
KMB56B3_1R0