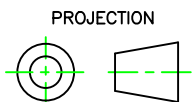
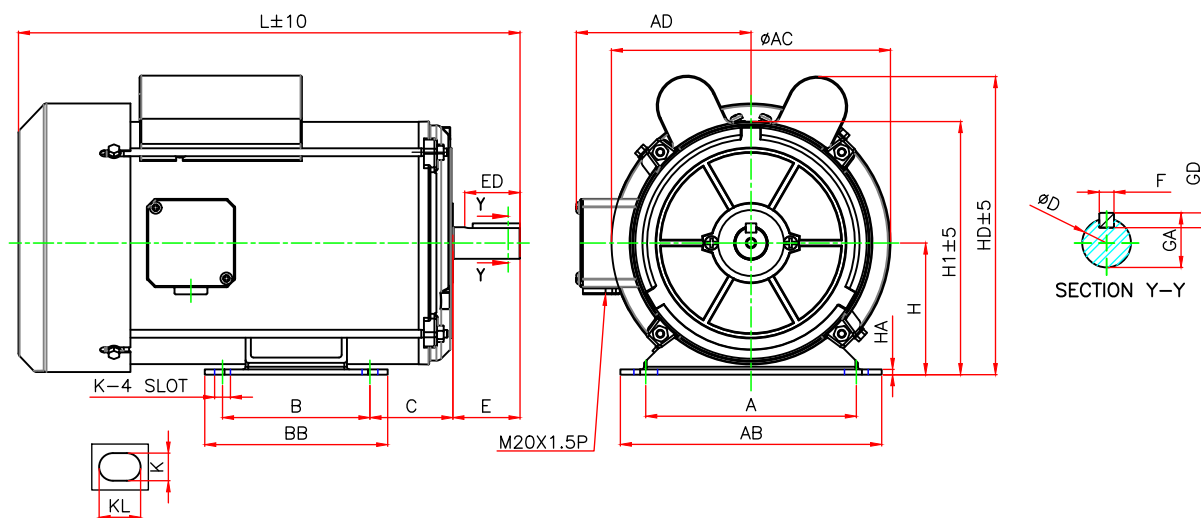


KM1**TECHNICAL DATASHEET
1 PHASE INDUCTION MOTOR****kirloskar
motors**

Sr No	Parameter	Unit	Data
Product Specifications			
1	Rated Output	kW	1.5
2	Number of Poles	No	4
3	Frame Designation		100L
4	Product Code		KM1.1T50.BIM.B03.LSS
5	Mounting		B3
Electrical			
6	Type of Duty		Continuous S1
7	Rated Voltage	V	220 $\pm$ 10%
8	Rated Frequency	Hz	50 $\pm$ 5%
9	Rated Speed	RPM	1440
10	Rated Current	A	9.8
11	Method of Starting		Capacitor start capacitor run
12	Starting Capacitor at rated voltage	μ F	200 at 275V
13	Running Capacitor at rated voltage	μ F	20 at 440V
14	Starting Current (SCC)	A	88
15	Rated Torque	Kg-m	0.995
16	Starting Torque (STT)	% of FLT	200
17	Efficiency at 100% load	%	71
18	Power factor at 100% load		0.94
19	Insulation Class / Thermal Limit		F/B
Mechanical			
20	Degree of Protection		IP44
21	Material of construction		
	Body / Enclosure		CRCA sheet / TEFC
	Endshield		Aluminium
	Winding starting / running		Al / Cu
22	Bearing DE/NDE		6205ZZ / 6203 2RS
23	Type of Coupling		Direct/Flexible
24	Moment of Inertia GD ²	kg-m ²	0.0420
25	Position of Terminal Box		LHS from DE
26	Maximum Cable Entry		M20x1.5P
27	Direction of Rotation		Bidirectional
28	Paint Shade		RAL 7046- Telegrey
29	Net weight	kg	26.6
30	Accessories		NA
Enviromental			
31	Ambient Temperature /Temperature Rise (By resistance method)	°C	40 / 80
32	Altitude Above MSL	m	$\leq$ 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	AD	HA
DS1004	1.50	100S	160	112	63	100	198.5	139	12	18	212	353	193	228	134	4

D END SHAFT EXTENSION AND KEY					
D $\begin{smallmatrix} +0.009 \\ -0.004 \end{smallmatrix}$	E	ED	F $\begin{smallmatrix} +0.00 \\ -0.05 \end{smallmatrix}$	GD $\begin{smallmatrix} +0.00 \\ -0.05 \end{smallmatrix}$	GA $\begin{smallmatrix} +0.00 \\ -0.10 \end{smallmatrix}$
24	51	42	8	7	27

ALL DIMENSIONS ARE IN mm,

	NAME	DATE	kW	1.50	FRAME	100S
DRAWN	SGS	06/02/2023	POLE	4	MOUNTING	B3 (HORIZONTAL FOOT)
CHECKED	SGS	06/02/2023	PRODUCT CODE	KM1.1T50.BIM.B03.LSS	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
KM100SB3L_1R0