



Technical

Data for Crane Range (KS-Series) Slipring Motors



Motors for the Long Run!



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6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.1

DUTY : S3, STARTING CLASS 6 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS112M	2.2	3.0	900	2.5	6.6	11.2	2.0	2.7	910	2.7	8.0	10.2	1.8	2.4	915	3.0	5.6	9.2	1.5	2.0	930	3.6	5.0	7.6	115	.070		55	109	KS112M
KS132MA	3.3	4.4	925	2.0	6.7	14.4	3.0	4.0	935	2.3	7.3	16.0	2.7	3.6	940	2.6	6.7	14.0	2.2	3.0	950	3.1	5.7	11.6	115	.160		69	115	KS132MA
KS132MC	6.5	8.8	930	2.0	15.0	34.5	5.1	6.8	945	2.5	11.6	27.0	4.5	6.0	950	2.8	10.5	24.0	3.7	5.0	957	3.4	9.0	19.7	115	.260		125	129	KS132MC
KS160M1	8.0	10.7	960	2.8	18.0	26.0	7.0	9.4	965	3.2	16.0	23.0	6.0	8.0	968	3.7	14.0	19.5	5.5	7.5	970	4.1	13.5	18.0	185	.640		222	200	KS160M1
KS160M2	8.0	10.7	960	2.8	18.0	26.0	7.0	9.4	965	3.2	16.0	23.0	6.0	8.0	968	3.7	14.0	19.5	5.5	7.5	970	4.1	13.5	18.0	185	.640		222	200	KS160M2
KS160L1	11.5	15.5	960	2.6	23.5	26.0	10.0	13.5	965	3.0	21.0	22.5	8.5	11.5	968	3.8	18.3	19.0	7.5	10.0	972	4.1	16.5	17.0	270	.670		302	230	KS160L1
KS160L2	11.5	15.5	960	2.6	23.5	26.0	10.0	13.5	967	3.0	21.0	22.5	8.5	11.5	968	3.6	18.3	19.0	7.5	10.0	972	4.1	16.5	17.0	270	.670		302	230	KS160L2
KS180L1	16.5	22.0	962	3.1	35.0	43.5	14.5	19.5	967	3.5	32.0	38.0	12.5	16.8	970	4.0	28.5	33.0	11.0	15.0	972	4.6	26.1	29.0	230	1.300		540	258	KS180L1
KS180L2	17.0	23.0	962	3.0	36.0	45.0	15.0	20.0	967	3.4	33.0	39.0	13.0	17.5	970	3.9	29.8	34.0	11.0	15.0	972	4.6	26.1	29.0	230	1.300		540	258	KS180L2
KS200L1	23.0	31.0	964	2.7	45.0	53.5	20.0	27.0	967	3.0	40.0	46.6	17.5	23.5	972	3.4	35.5	41.0	15.0	20.0	975	4.0	31.5	35.0	260	2.300		587	375	KS200L1
KS200L2	24.5	33.0	964	2.5	48.0	57.0	23.0	31.0	966	2.7	45.0	53.5	18.0	24.0	972	3.4	38.5	42.0	15.5	21.0	975	4.0	32.5	36.0	260	2.300		606	375	KS200L2
KS225SA	28.0	37.5	968	2.5	57.0	60.0	25.0	33.5	972	2.8	52.0	54.0	22.0	29.5	975	3.2	47.0	47.5	18.5	25.0	977	3.8	42.0	40.0	280	3.100		686	500	KS225SA
KS225SB	30.0	40.0	968	2.7	59.0	65.4	28.5	38.2	975	2.6	57.0	62.0	24.5	33.0	975	3.3	51.0	53.5	20.0	27.0	977	4.0	44.0	44.0	280	3.400		781	515	KS225SB
KS225MA1	34.0	46.0	970	2.5	68.0	68.0	30.0	40.0	975	2.8	61.5	60.0	26.0	35.0	978	3.2	54.0	52.0	22.0	30.0	980	3.8	48.0	44.0	300	3.700		813	535	KS225MA1
KS225MA2	34.0	46.0	970	2.5	68.0	68.0	30.0	40.0	975	2.6	61.5	60.0	26.0	35.0	978	3.2	54.0	52.0	22.0	30.0	980	3.8	48.0	44.0	300	3.700		813	535	KS225MA2
KS225MB	40.0	53.5	972	2.5	78.0	79.5	36.0	48.0	975	2.8	72.0	71.0	31.5	42.2	978	3.2	65.0	63.0	26.0	35.0	982	3.9	56.5	52.0	305	4.300		985	580	KS225MB

SHADED OUTPUTS AS PER IPSS

DOC-RMPP-0010102

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

SUPPLY CONDITION 3 PHASE
415V +/-10%
50 C/S +/-3% AMBIENT TEMP. 45°C*

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.1 (Contd.)

DUTY : S3, STARTING CLASS 6 STARTS/H

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS250S	48.0	64.0	975	2.7	95.0	101.0	44.0	59.0	978	2.9	88.6	92.8	37.0	50.0	982	3.5	78.0	78.0	30.0	40.0	985	4.3	68.0	63.5	290	5.200		1249	640	KS250S
KS250M	54.0	72.5	975	2.7	105.0	103.0	50.2	67.3	978	2.9	100.0	96.0	43.2	58.0	982	3.4	89.0	82.0	35.0	47.0	985	4.2	78.0	67.0	320	5.700		1423	675	KS250M
KS280S	72.0	96.5	975	2.5	135.0	189.0	63.0	84.5	978	2.8	121.0	165.0	53.5	72.0	981	3.3	107.0	140.0	45.0	60.0	984	3.9	96.0	118.5	230	8.800		1701	980	KS280S
KS280M1	90.0	120.0	976	2.5	189.0	197.0	78.0	102.0	980	2.9	148.0	167.0	67.0	90.0	982	3.9	141.0	147.0	55.0	75.0	985	4.0	120.0	121.0	275	10.900		2130	1040	KS280M1
KS280M2	90.0	120.0	976	2.5	189.0	130.0	76.0	102.0	980	2.9	148.0	112.0	67.0	90.0	982	3.3	141.0	98.0	55.0	75.0	985	4.0	120.0	80.0	410	10.900		2130	1040	KS280M2
KS315SA	118.0	158.0	978	2.4	203.0	189.0	102.0	137.0	981	2.9	176.0	163.0	88.2	118.0	983	3.2	157.0	142.0	75.0	100.0	986	3.8	137.0	120.0	380	16.400		2756	1300	KS315SA
KS315SB	123.0	165.0	979	2.5	211.0	185.0	106.0	142.0	982	3.0	184.0	160.0	92.0	123.5	984	3.4	161.0	139.0	80.0	170.0	986	3.9	146.0	121.0	405	17.500		3017	1330	KS315SB
KS315MA	140.0	188.0	981	2.7	242.0	184.0	120.0	160.0	983	3.1	210.0	158.0	105.0	140.8	985	3.8	188.0	139.0	90.0	120.0	988	4.2	166.0	119.0	460	19.800		3648	1380	KS315MA
KS315MB	150.0	200.0	982	2.7	256.0	183.0	134.0	179.0	983	3.0	230.0	164.0	116.0	156.0	986	3.5	204.0	142.0	100.0	135.0	987	4.0	182.0	122.0	500	20.000		3864	1430	KS315MB
KS355S	170.0	228.0	983	2.4	296.0	368.0	145.0	195.0	985	2.7	255.0	314.0	130.0	173.0	987	3.1	231.0	282.0	110.0	150.0	989	3.6	200.0	240.0	285	39.300		3818	1900	KS355S
KS355M	200.0	268.0	985	2.6	347.0	350.0	170.0	228.0	987	3.1	299.0	298.0	150.0	200.0	989	3.5	268.0	264.0	132.0	175.0	990	4.0	242.0	232.0	350	44.300		5086	2100	KS355M
KS355LA	240.0	320.0	987	2.8	414.0	348.0	200.0	268.0	989	3.4	351.0	289.0	180.0	240.0	990	3.8	321.0	260.0	160.0	215.0	991	4.2	291.0	231.0	425	55.000		6466	2380	KS355LA
KS355LB	270.0	360.0	987	2.8	461.0	349.0	225.0	300.0	989	3.4	390.0	291.0	200.0	268.0	990	3.8	353.0	259.0	180.0	240.0	991	4.3	323.0	234.0	475	61.000		7447	2500	KS355LB
KS400L	340.0	455.0	986	2.4	590.0	440.0	285.0	395.0	988	2.8	530.0	390.0	275.0	370.0	989	3.0	475.0	378.0	240.0	335.0	990	3.4	420.0	330.0	490	102.00		8280	3100	KS400L

* Up to frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.2

DUTY : S4 & S5, STARTING CLASS 150 STARTS/Hr

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS112M	2.0	2.7	910	2.7	6.0	10.2	1.8	2.4	915	3.0	5.6	9.2	1.5	2.0	930	3.6	6.0	7.6	1.1	1.5	949	5.0	4.5	5.8	115	.070	1.000	55	109	KS112M
KS132MA	3.0	4.0	935	2.3	7.3	16.0	2.6	3.5	943	2.6	6.4	13.7	2.2	3.0	950	3.1	5.7	11.6	2.0	2.7	956	3.5	5.2	10.3	115	.160	1.000	69	115	KS132MA
KS132MC	5.1	6.8	945	2.5	11.6	27.0	4.5	6.0	950	2.8	10.4	24.0	3.7	5.0	957	3.4	9.0	19.7	3.3	4.4	962	3.8	6.5	17.6	115	.260	1.500	125	129	KS132MC
KS160M1	7.0	9.4	965	3.2	16.0	23.0	6.0	8.0	968	3.7	14.0	19.5	5.5	7.5	970	4.1	13.5	18.0							185	.640	1.560	222	200	KS160M1
KS160M2	7.5	10.0	965	2.9	17.0	24.0	6.7	9.0	967	3.3	15.6	21.7	5.5	7.5	970	4.1	13.5	18.0	4.8	6.4	973	4.6	12.0	15.6	185	.640	2.400	222	200	KS160M2
KS160L1	9.5	12.7	965	3.1	20.0	21.5	8.5	11.5	968	3.6	18.0	19.0	7.5	10.0	972	4.1	16.5	17.0							270	.670	2.130	302	230	KS160L1
KS160L2	10.5	14.0	965	2.8	21.5	23.5	9.0	12.0	968	3.3	19.0	20.0	7.5	10.0	972	4.1	16.5	17.0	6.5	8.8	977	4.6	15.0	14.5	270	.670	2.130	302	230	KS160L2
KS180L1	14.0	18.8	967	3.6	31.0	36.5	12.5	16.8	970	4.0	26.5	33.0	11.0	15.0	972	4.6	26.0	29.0							230	1.300	3.100	540	258	KS180L1
KS180L2	14.5	19.5	967	3.5	32.0	36.0	13.5	18.0	970	3.8	29.0	35.0	11.0	15.0	972	4.6	26.0	29.0	9.5	12.7	977	5.3	25.5	25.0	230	1.300	4.600	540	258	KS180L2
KS200L1	19.0	25.5	967	3.1	37.5	44.0	17.0	23.0	972	3.5	34.0	38.5	15.0	20.0	975	4.0	31.5	35.0							260	2.300	3.800	587	375	KS200L1
KS200L2	22.2	29.8	967	2.7	43.5	51.5	17.5	23.5	972	3.4	35.5	41.0	15.5	21.0	975	4.0	32.5	36.0	13.0	17.5	978	4.6	26.5	30.0	260	2.300	6.800	606	375	KS200L2
KS225SA	25.0	33.5	972	2.8	52.0	54.0	22.0	29.5	975	3.2	47.0	47.5	18.5	25.0	977	3.8	42.0	40.0	16.0	21.5	980	4.4	39.0	34.0	280	3.100	7.200	686	500	KS225SA
KS225SB	28.5	38.2	972	2.8	57.0	62.0	24.5	33.0	975	3.3	51.0	53.5	20.0	27.0	977	4.0	44.0	44.0	17.5	23.5	980	4.5	40.6	38.5	280	3.400	7.600	783	515	KS225SB
KS225MA1	28.0	37.5	975	3.0	58.0	56.0	25.0	33.5	978	3.2	52.0	50.0	22.0	29.5	980	3.8	48.0	44.0							300	3.700	5.300	821	535	KS225M1
KS225MA2	30.0	40.0	975	2.8	61.5	60.0	26.0	35.0	978	3.2	54.0	52.0	22.0	29.5	980	3.8	48.0	44.0	19.0	25.5	982	4.4	44.0	38.0	300	3.700	8.000	821	535	KS225MA2
KS225MB	34.5	46.5	976	2.8	69.0	66.5	31.0	41.5	978	3.2	64.0	62.0	26.0	35.0	982	3.9	56.5	52.0	22.5	30.0	984	4.5	52.0	45.0	305	4.300	9.300	966	560	KS225MB

SHADED OUTPUTS AS PER IPSS

DOC-RMPP-0010102

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.2 (Contd.)

DUTY : S4 & S5, STARTING CLASS 150 STARTS/Hr

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS250S	40.0	53.5	980	3.2	82.0	84.0	36.0	48.0	982	3.6	76.0	76.0	30.0	40.0	985	4.3	68.0	83.5	26.0	35.0	987	5.0	63.0	55.0	290	5.200	10.400	1249	640	KS250S
KS250M	46.5	62.0	980	3.2	95.0	88.0	42.0	56.0	982	3.5	88.0	80.0	35.0	47.0	985	4.2	78.0	87.0	31.0	41.5	987	4.7	70.0	55.5	320	5.700	11.200	1423	675	KS250M
KS280S	61.5	82.0	979	2.8	120.0	161.0	53.5	72.0	982	3.3	107.0	140.0	45.0	60.0	984	3.9	96.0	118.5	40.0	53.5	986	4.3	88.0	105.0	230	8.800	13.200	1701	980	KS280S
KS280M1	76.0	102.0	980	2.9	148.0	167.0	66.5	89.0	981	3.3	141.0	146.0	55.0	75.0	985	4.0	120.0	121.0	49.0	65.7	986	4.5	115.0	108.0	275	10.500	14.200	2130	1040	KS280M1
KS280M2	76.0	102.0	980	2.9	148.0	112.0	66.5	89.0	981	3.3	141.0	94.0	55.0	75.0	985	4.0	120.0	80.0	49.0	65.7	986	4.5	115.0	71.3	410	10.900	14.200	2130	1040	KS280M2
KS315SA	102.0	137.0	981	2.9	175.0	163.0	90.0	120.0	982	3.2	158.0	144.0	75.0	100.0	986	3.8	137.0	120.0	66.0	88.0	986	4.4	125.0	106.0	380	16.400	15.000	2756	1300	KS315SA
KS315SB	107.0	144.0	982	2.9	166.0	161.0	93.0	126.0	982	3.3	163.0	140.0	80.0	107.0	986	3.9	146.0	121.0	70.0	94.0	988	4.4	130.0	106.0	405	17.500	16.000	3017	1330	KS315SB
KS315MA	122.0	164.0	982	3.0	213.0	162.0	107.0	144.0	984	3.5	192.0	141.0	90.0	120.0	988	4.2	166.0	119.0	80.0	107.0	988	4.7	152.0	106.0	460	19.200	16.000	3648	1380	KS315MA
KS315MB	134.0	179.0	983	3.0	230.0	164.0	116.0	156.0	984	3.5	204.0	142.0	100.0	135.0	987	4.0	182.0	122.0	88.0	117.9	989	4.6	164.0	108.0	500	20.000	21.000	3864	1430	KS315MB
KS355S	145.0	195.0	985	2.7	255.0	314.0	125.0	168.0	986	3.2	223.0	271.0	110.0	150.0	989	3.6	200.0	240.0	95.0	127.0	989	4.1	179.0	207.0	285	39.300	25.000	3818	1900	KS355S
KS355M	170.0	228.0	987	3.1	299.0	298.0	155.0	210.0	987	3.5	268.0	263.0	132.0	175.0	990	4.0	242.0	232.0	110.0	150.0	990	4.8	210.0	194.0	350	44.300	38.000	5086	2100	KS355M
KS355LA	205.0	275.0	989	3.3	358.0	296.0	185.0	250.0	989	3.7	328.0	267.0	160.0	215.0	991	4.2	291.0	231.0	135.0	180.0	992	5.0	256.0	193.0	425	55.000	43.000	6466	2380	KS355LA
KS355LB	230.0	310.0	989	3.3	397.0	298.0	205.0	275.0	990	3.7	382.0	265.0	180.0	240.0	991	4.3	323.0	234.0	155.0	210.0	992	4.9	294.0	207.0	475	61.000	46.500	7447	2500	KS355LB
KS400L	295.0	395.0	988	2.8	530.0	408.0	275.0	370.0	989	3.0	475.0	378.0	240.0	335.0	990	3.4	420.0	330.0	200.0	275.0	992	4.1	355.0	275.0	490	102.00	75.000	8280	3100	KS400L

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.3

DUTY : S4 & S5, STARTING CLASS 300 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS112M	1.8	2.4	915	3.0	5.6	9.2	1.5	2.0	930	3.6	5.0	7.6	1.1	1.6	949	5.0	4.5	5.6							115	.070	.600	55	109	KS112M
KS132MA	2.6	3.5	943	2.6	6.4	13.7	2.2	3.0	950	3.1	5.7	11.6	2.0	2.7	956	3.5	5.2	10.3							115	.160	.600	69	115	KS132MA
KS132MC	4.5	6.0	950	2.8	10.5	24.0	3.7	5.0	957	3.4	9.1	19.7	3.3	4.4	962	3.8	8.5	17.6							115	.260	1.000	125	129	KS132MC
KS160M1							5.5	7.5	970	4.1	13.5	18.0	5.0	6.7	972	4.4	12.5	16.3							185	.640	1.560	222	200	KS160M1
KS160M2	6.7	9.0	967	3.3	15.6	21.7	5.5	7.5	970	4.1	13.5	18.0	5.0	6.7	972	4.4	12.5	16.3							185	.640	1.600	222	200	KS160M2
KS180L1							7.0	9.4	972	4.4	15.7	15.8	6.5	8.8	977	4.6	15.0	14.5							270	.870	2.130	302	230	KS180L1
KS180L2	9.0	12.0	968	3.3	19.0	20.0	7.5	10.0	972	4.1	16.5	17.0	6.5	8.8	977	4.6	15.0	14.5							270	.870	2.200	302	230	KS180L2
KS180L1							10.5	14.0	972	4.7	25.0	27.5	9.5	12.7	977	5.3	25.5	25.0							230	1.300	3.100	540	258	KS180L1
KS180L2	12.5	16.8	970	4.0	28.5	33.0	11.0	15.0	972	4.6	26.0	29.0	9.5	12.7	977	5.3	25.0	25.0							230	1.300	3.200	540	258	KS180L2
KS200L1							14.0	18.8	976	4.0	29.5	32.5	13.0	17.5	976	4.6	26.5	30.0							260	2.300	3.800	587	375	KS200L1
KS200L2	17.5	23.5	972	3.4	35.5	41.0	15.0	20.0	975	4.0	31.5	35.0	13.0	17.5	976	4.6	26.5	30.0							260	2.300	4.530	606	375	KS200L2
KS225SA	22.0	29.5	975	3.2	47.0	47.5	18.5	25.0	977	3.8	42.0	40.0	16.0	21.5	983	4.4	39.0	34.0							280	3.100	4.800	666	500	KS225SA
KS225SB	24.5	33.0	975	3.3	51.0	53.5	20.0	27.0	977	4.0	44.0	44.0	16.0	24.0	982	4.4	41.5	39.5							280	3.400	5.100	781	515	KS225SB
KS225MA1							21.0	28.0	980	4.0	46.0	42.0	19.0	25.5	982	4.4	44.0	38.0							300	3.700	5.300	813	535	KS225M1
KS225MA2	26.0	35.0	978	3.2	54.0	52.0	23.0	31.0	980	3.6	51.0	46.0	19.0	25.5	982	4.4	44.0	38.0							300	3.700	5.300	813	535	KS225MA2
KS225MB	31.0	41.5	978	3.2	64.0	62.0	26.0	35.0	982	3.9	56.5	52.0	22.0	29.5	984	4.6	51.0	44.0							305	4.300	6.200	985	560	KS225MB

SHADED OUTPUTS AS PER IPSS.

DOC-RMPP-0010102

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.3 (Contd.)

DUTY : S4 & S5, STARTING CLASS 300 STARTS/Hr

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS250S	36.0	48.0	983	3.6	76.0	78.0	30.0	40.0	985	4.3	68.0	63.5	26.0	35.0	987	5.0	63.0	55.0							290	5.200	6.930	1249	640	KS250S
KS250M	42.0	56.0	983	3.5	88.0	80.0	35.0	47.0	985	4.2	78.0	67.0	31.0	41.5	987	4.7	70.5	55.5							320	5.700	7.500	1423	675	KS250M
KS280S	53.5	72.0	981	3.3	107.0	140.0	45.0	60.0	984	3.9	96.0	118.5	41.0	55.0	986	4.2	90.0	108.0							230	8.800	8.800	1701	980	KS280S
KS280M1	66.5	89.0	982	3.3	141.0	148.0	55.0	75.0	985	4.0	120.0	121.0	51.0	68.0	986	4.3	117.0	112.0							275	10.900	9.600	2130	1040	KS280M1
KS280M2	66.5	89.0	982	3.3	141.0	94.0	55.0	75.0	985	4.0	120.0	80.0	51.0	68.0	986	4.3	117.0	75.0							410	10.900	9.600	2130	1040	KS280M2
KS315SA	90.0	120.0	982	3.2	158.0	144.0	75.0	100.0	986	3.8	137.0	120.0	66.0	88.0	987	4.4	125.0	106.0							380	16.400	10.000	2756	1300	KS315SA
KS315SB	95.0	127.0	984	3.3	166.0	143.0	80.0	107.0	986	3.9	146.0	121.0	72.0	96.5	988	4.3	133.0	109.0							405	17.500	10.700	3017	1330	KS315SB
KS315MA	106.0	142.0	985	3.6	190.0	140.0	90.0	120.0	988	4.2	166.0	119.0	80.0	107.0	989	4.7	152.0	106.0							460	19.800	12.000	3648	1380	KS315MA
KS315MB	116.00	156.0	986	3.5	204.0	142.0	100.0	135.0	987	4.0	182.0	122.0	90.0	120.0	989	4.5	167.0	110.0							500	20.000	14.000	3884	1430	KS315MB
KS355S	125.0	168.0	987	3.2	223.0	271.0	110.0	150.0	989	3.6	200.0	240.0	95.0	127.0	990	4.1	179.0	207.0							285	39.300	16.700	3818	1900	KS355S
KS355M	150.0	200.0	989	3.5	268.0	264.0	132.0	175.0	990	4.0	242.0	232.0	110.0	150.0	992	4.8	210.0	194.0							350	44.300	25.400	5086	2100	KS355M
KS355LA	180.0	240.0	990	3.8	321.0	260.0	160.0	215.0	991	4.2	291.0	231.0	135.0	180.0	992	5.0	266.0	193.0							425	55.000	28.700	6466	2380	KS355LA
KS355LB	205.0	275.0	990	3.7	362.0	265.0	180.0	240.0	991	4.3	323.00	234.0	157.0	211.0	992	4.8	291.0	205.0							475	61.000	31.000	7447	2500	KS355LB
KS400L	275.0	370.0	989	3.0	475.0	378.0	240.0	335.0	990	3.4	420.0	330.0	200.0	275.0	992	4.1	355.0	275.0							490	102.00	50.000	8280	3100	KS400L

* Up to frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.4

DUTY : S4 & S5, STARTING CLASS 600 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS112M	1.2	1.6	948	4.5	4.8	6.1	1.2	1.6	948	4.5	4.8	6.1	1.0	1.4	950	5.4	4.0	5.2							115	.070	.600	55	109	KS112M
KS132MA	2.2	3.0	952	3.1	5.7	11.6	2.0	2.7	956	3.4	5.4	10.6	1.8	2.4	959	3.8	5.0	9.5							115	.160	.600	69	115	KS132MA
KS132MC	3.6	4.8	959	3.5	6.8	19.1	3.3	4.4	963	3.8	7.8	17.4	3.0	4.0	967	4.2	7.5	16.0							115	.260	1.000	125	129	KS132MC
KS160M1																									185	.640		222	200	KS160M1
KS160M2	4.6	6.2	958	4.8	11.8	15.0	4.2	5.6	960	5.2	11.4	13.7	3.9	982	5.6	10.5	12.7								185	.640	1.600	222	200	KS160M2
KS160L1																									270	.870		302	230	KS160L1
KS160L2	6.0	8.0	978	5.0	13.6	13.5	5.7	7.6	979	5.2	13.0	12.8	5.2	7.0	980	5.5	12.0	12.0							270	.870	2.200	302	230	KS160L2
KS180L1																									230	1.300		540	258	KS180L1
KS180L2	8.7	11.6	979	5.8	24.0	23.0	8.3	11.1	980	6.0	23.0	22.0	7.8	10.4	981	6.4	22.7	21.0							230	1.300	3.200	540	255	KS180L2
KS200L1																									260	2.300		587	375	KS200L1
KS200L2	10.5	14.0	981	5.3	25.6	24.7	10.2	13.7	982	5.4	25.0	24.0	9.6	13.1	983	5.6	24.0	23.0							260	2.300	4.530	606	375	KS200L2
KS225SA	14.2	19.0	983	4.6	37.0	31.0	13.2	17.7	984	4.7	36.0	30.0	12.5	16.8	985	5.2	33.0	27.0							280	3.100	4.800	686	500	KS225SA
KS225SB	15.5	21.0	980	4.1	36.3	34.0	14.6	19.6	981	4.4	34.0	32.0	13.8	18.5	982	4.6	32.3	30.2							280	3.400	5.100	781	515	KS225SB
KS225MA1																									300	3.700		813	535	KS225M1
KS225MA2	19.2	25.8	983	4.2	46.8	38.7	17.6	23.6	984	4.6	43.0	35.4	16.8	22.5	985	4.8	41.0	33.8							300	3.700	5.300	813	535	KS225MA2
KS225MB	21.0	28.0	985	4.7	49.0	42.0	19.6	26.3	986	5.0	45.0	39.0	18.5	25.0	987	5.3	42.0	36.6							305	4.300	6.200	985	560	KS225MB

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

6 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 6.4 (Contd.)

DUTY : S4 & S5, STARTING CLASS 600, STARTS/Hr

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS250S	24.0	32.0	987	5.3	60.0	51.0	22.5	30.0	988	5.6	64.0	59.5	21.4	28.7	989	5.8	61.0	56.6							290	5.200	6.930	1249	640	KS250S
KS250M	30.0	40.0	987	4.9	75.0	52.0	28.0	37.5	988	5.2	70.0	53.7	26.0	35.0	989	5.5	66.0	50.0							320	5.700	7.500	1420	675	KS250M
KS280S	34.0	46.0	987	5.0	89.0	90.0	32.0	43.0	988	5.4	83.6	84.7	31.0	41.5	989	5.3	81.0	82.0							230	8.600	8.600	1701	980	KS280S
KS280M1	44.5	59.6	987	4.9	116.0	98.0	43.0	57.6	988	5.1	112.0	95.0	40.0	53.5	989	5.5	109.0	88.0							275	10.900	9.600	2130	1040	KS280M1
KS280M2	44.5	59.6	987	4.9	116.0	86.0	43.0	57.6	988	5.1	112.0	84.0	40.0	53.5	989	5.5	109.0	80.0							410	16.400	9.600	2130	1040	KS280M2
KS315SA	57.0	76.4	988	5.0	119.0	92.0	55.0	75.0	989	5.2	115.0	89.0	52.0	70.0	990	5.5	112.0	84.0							380	17.500	10.000	2756	1300	KS315SA
KS315SB	62.0	83.0	989	5.0	125.0	94.0	58.0	78.0	990	5.3	120.0	88.0	55.0	75.0	991	5.6	113.0	83.0							405	19.800	10.700	3017	1330	KS315SB
KS315MA	66.0	88.0	989	5.6	143.0	87.0	64.0	86.0	991	5.8	139.0	85.0	61.0	81.5	992	6.2	133.0	81.0							460	20.000	12.000	3648	1380	KS315MA
KS315MB	88.0	91.0	990	5.9	144.0	84.0	66.0	88.0	991	6.1	140.0	81.0	64.0	86.0	992	6.3	135.0	79.0							500	29.120	14.000	3864	1430	KS315MB
KS355S	71.0	95.0	991	5.5	117.0	156.0	68.0	91.0	992	5.8	142.0	149.0	67.0	90.0	993	5.9	110.0	147.0							285	39.300	16.700	3818	1900	KS355S
KS355M	73.0	98.0	993	7.2	165.0	130.0	71.0	95.0	994	7.4	160.0	127.0	70.0	94.0	995	7.5	158.0	124.0							350	44.300	25.400	5086	2100	KS355M
KS355LA	90.0	120.0	994	7.5	190.0	123.0	87.0	116.7	995	7.7	195.0	128.0	85.0	114.0	996	7.9	191.0	124.0							425	55.000	28.700	6466	2380	KS355LA
KS355LB	105.0	140.8	994	7.3	228.0	138.0	102.0	137.0	995	7.5	220.0	134.0	100.0	135.0	996	7.6	216.0	131.0							475	61.000	31.000	7447	2500	KS355LB
KS400L	100.0	135.0	996	8.2	270.0	138.0	90.0	120.0	998	9.0	262.0	124.0	80.0	107.0	997	10.2	255.0	110.0							490	102.00	50.00	8280	3100	KS400L

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.1

DUTY : S3, STARTING CLASS 6 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS132MA	2.4	3.2	700	2.6	6.4	13.4	2.2	3.0	705	2.8	6.0	12.3	2.0	2.7	710	3.1	6.6	11.2	1.7	2.3	715	3.6	5.2	9.5	105	165	83	109	KS132MA	
KS132MB	3.0	4.0	700	2.5	7.8	16.4	2.7	3.6	705	2.8	7.0	14.7	2.5	3.4	710	3.0	6.7	13.6	2.2	3.0	715	3.4	6.2	12.0	110	190	102	115	KS132MB	
KS132MC	4.1	5.5	700	2.5	10.6	22.0	3.7	5.0	705	2.8	9.8	20.0	3.4	4.6	710	3.0	9.3	18.3	3.0	4.0	715	3.5	8.6	16.2	110	260	140	120	KS132MC	
KS160M	5.5	7.0	710	2.6	12.8	17.2	5.2	7.0	715	2.8	12.2	16.3	4.5	6.0	720	3.2	11.0	14.0	4.1	5.5	725	3.5	10.5	13.0	190	560	194	200	KS160M	
KS160L	8.2	11.0	710	2.6	18.9	21.7	7.5	10.0	715	2.8	17.5	20.0	6.7	9.0	720	3.2	16.0	17.8	5.5	7.5	725	3.8	14.0	14.6	225	740	280	215	KS160L	
KS180L1	11.5	15.5	717	3.0	26.0	29.3	10.0	13.5	720	3.2	23.5	25.7	8.5	11.5	725	3.7	21.2	21.6	7.5	10.0	727	4.3	20.0	19.2	235	1,170	424	250	KS180L1	
KS180L2	12.0	16.0	715	2.7	26.0	30.8	11.5	15.5	717	2.8	26.0	29.3	9.2	12.4	724	3.4	22.2	23.7	7.5	10.0	727	4.3	20.0	19.2	235	1,170	424	250	KS180L2	
KS200L1	16.5	22.0	722	2.5	37.4	39.2	14.5	19.5	725	2.8	34.0	34.5	12.5	16.8	728	3.3	31.0	29.8	11.0	15.0	732	3.8	29.0	26.2	255	2,170	434	370	KS200L1	
KS200L2	17.5	23.5	720	2.5	39.3	41.5	15.5	21.0	724	2.8	32.0	37.0	13.5	18.0	727	3.2	32.5	32.0	11.5	15.5	730	3.7	30.0	27.4	255	2,170	572	370	KS200L2	
KS225SA	23.0	31.0	727	3.0	51.0	62.0	20.0	27.0	730	3.4	47.0	54.0	17.5	23.5	733	4.0	43.0	47.0	15.0	20.0	735	4.6	40.0	41.0	220	4,020	836	510	KS225SA	
KS225SB	27.0	36.0	727	2.8	60.0	60.5	23.0	31.0	730	3.3	53.0	51.5	20.2	27.2	733	3.8	49.0	45.5	16.7	22.4	735	4.5	45.0	37.5	270	4,380	961	525	KS225SB	
KS225MA	28.0	37.5	727	3.0	63.0	61.5	25.0	33.5	730	3.4	58.0	55.0	22.0	29.5	733	3.9	54.5	48.0	18.5	25.0	735	4.6	50.0	40.5	275	4,630	1045	550	KS225MA	
KS225MB	33.0	44.0	727	2.8	71.0	75.0	28.5	38.2	730	3.2	64.0	65.0	24.5	33.0	733	3.7	58.0	58.0	20.0	27.0	735	4.6	51.5	45.5	265	5,120	1117	580	KS225MB	
KS250SA	35.0	47.0	728	3.1	76.5	75.0	30.0	40.0	730	3.7	71.0	64.0	26.0	35.0	733	4.2	62.0	55.5	22.0	29.5	735	5.0	59.0	47.0	260	5,730	1332	640	KS250SA	
KS250SB	41.0	55.0	728	3.0	84.0	85.0	37.0	50.0	730	3.4	80.0	82.5	31.0	41.5	733	4.0	71.0	69.5	26.0	35.0	735	4.8	66.0	58.5	270	6,340	1498	660	KS250SB	
KS250MA	42.0	56.0	728	2.9	89.0	76.5	37.0	50.0	730	3.3	82.0	67.5	32.0	43.0	733	3.8	74.0	58.5	27.0	36.0	735	4.5	67.0	49.0	330	6,830	1585	700	KS250MA	
KS250MB	49.5	66.0	728	2.9	101.0	85.0	43.0	57.6	730	3.4	92.0	72.5	37.0	50.0	733	4.1	84.0	63.0	30.0	40.0	735	5.0	76.0	53.0	355	7,430	1797	725	KS250MB	
KS280SA1	57.0	76.4	732	2.5	115.0	159.0	50.0	67.0	735	2.8	102.0	140.0	44.0	59.0	736	3.2	94.0	123.0	37.0	50.0	736	3.8	85.0	104.0	210	10,800	1816	990	KS280SA1	

SHADED OUTPUTS AS PER IPSS

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

DOC-RMPP-0010102

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.1 (Contd.)

DUTY : S3, STARTING CLASS B STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	SPEED rpm	POT XFLT	FLC amps	RA	ROTOR Kgm2	LOAD Kgm2								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS280SA2	58.0	78.0	732	2.6	116.0	161.0	51.0	68.0	735	2.8	104.0	142.5	44.0	59.0	736	3.3	94.0	123.0	37.0	50.0	738	3.9	85.0	104.0	210	10.800		1853	990	KS280SA2
KS280SB	62.0	83.0	732	2.6	126.0	135.0	54.0	72.5	735	3.0	112.0	132.0	47.0	62.5	739	3.4	106.0	116.0	40.0	53.5	738	4.0	93.0	100.0	245	11.900		2102	1020	KS280SB
KS280SC	58.0	78.0	732	2.6	116.0	138.0	51.0	68.0	735	2.8	104.0	120.0	44.0	58.0	736	3.3	94.0	103.0	37.0	50.0	738	3.9	85.0	87.0	260	12.700		1853	1050	KS280SC
KS280MA1	73.0	98.0	732	2.5	138.0	167.0	63.0	84.5	735	2.9	120.0	144.0	55.0	75.0	736	3.3	108.0	126.0	47.0	62.5	738	3.9	98.0	108.0	265	13.500		2370	1075	KS280MA1
KS280MA2	73.5	98.5	732	2.5	138.5	168.0	64.5	86.5	735	2.8	122.0	147.0	56.0	76.0	736	3.2	110.0	128.0	47.0	62.5	738	3.9	98.0	108.0	260	13.500		2343	1075	KS280MA2
KS280MB	73.5	98.5	732	2.5	138.5	135.0	64.5	86.5	735	2.8	122.0	119.0	56.0	76.0	736	3.2	110.0	103.0	47.0	62.5	738	3.9	98.0	87.0	335	13.900		2343	1090	KS280MB
KS280MB	79.0	105.0	732	2.5	154.0	168.0	69.0	92.0	735	2.8	134.0	147.0	59.0	79.0	736	3.2	118.0	126.0	50.0	67.0	738	3.8	106.0	106.0	285	13.900		2506	1090	KS280MB
KS315S1	93.0	125.0	733	2.6	172.0	180.0	80.0	107.0	735	3.0	150.0	156.0	70.0	94.0	737	3.4	137.0	137.0	60.0	80.0	738	4.0	125.0	118.0	310	22.000		3114	1385	KS315S1
KS315S2	93.0	125.0	733	2.6	172.0	180.0	80.0	107.0	735	3.0	150.0	156.0	70.0	94.0	737	3.4	137.0	137.0	60.0	80.0	738	4.0	125.0	118.0	310	22.000		3114	1385	KS315S2
KS315M1	115.0	155.0	733	2.6	210.0	187.0	100.0	135.0	735	3.0	186.0	163.0	88.0	117.9	737	3.4	170.0	143.0	75.0	100.0	738	4.0	148.0	122.0	370	26.300		3892	1475	KS315M1
KS315M2	115.0	155.0	733	2.6	210.0	187.0	100.0	135.0	735	3.0	186.0	163.0	88.0	117.9	737	3.4	170.0	143.0	75.0	100.0	738	4.0	148.0	122.0	370	26.300		3892	1475	KS315M2
KS355SA	150.0	200.0	736	2.6	278.0	234.0	125.0	168.0	738	3.1	237.0	195.0	110.0	150.0	740	3.5	215.0	172.0	95.0	127.0	740	4.1	196.0	148.0	390	42.000		5007	2000	KS355SA
KS355SB	170.0	228.0	736	2.6	312.0	238.0	140.0	188.0	738	3.2	254.0	197.0	120.0	160.0	740	3.6	234.0	168.0	105.0	140.8	740	4.2	216.0	148.0	435	46.700		5788	2120	KS355SB
KS355M	185.0	250.0	736	2.7	345.0	232.0	160.0	215.0	738	3.2	306.0	200.0	140.0	188.0	740	3.7	276.0	175.0	120.0	160.0	740	4.3	252.0	150.0	480	51.600		6615	2250	KS355M
KS355L	240.0	320.0	738	2.9	436.0	500.0	200.0	268.0	740	3.5	378.0	417.0	170.0	230.0	742	4.1	338.0	347.0	145.0	195.0	743	4.8	302.0	298.0	300	64.000		8945	2500	KS355L
KS400LA	240.0	320.0	736	2.6	422.0	364.0	200.0	268.0	738	3.2	360.0	304.0	170.0	228.0	740	3.7	318.0	259.0	145.0	195.0	742	4.3	286.0	221.0	400	76.000		8269	3100	KS400LA
KS400LB	300.0	400.0	736	2.5	522.0	392.0	250.0	335.0	738	3.0	445.0	329.0	210.0	285.0	740	3.6	387.0	277.0	180.0	240.0	741	4.2	345.0	237.0	460	90.100		9690	3350	KS400LB
KS450LA	350.0	470.0	738	2.7	610.0	516.0	300.0	400.0	740	3.1	536.0	444.0	260.0	350.0	741	3.7	477.0	385.0	220.0	295.0	742	4.3	421.0	328.0	415	162.80		11984	4100	KS450LA
KS450LB	450.0	600.0	738	2.6	776.0	574.0	380.0	510.0	740	3.1	663.0	485.0	330.0	440.0	741	3.6	588.0	422.0	280.0	375.0	742	4.2	518.0	358.0	488	188.80		15179	4300	KS450LB

SHADED OUTPUTS AS PER IPSS

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.2

DUTY : S4 & S5, STARTING CLASS 150 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS132MA	2.4	3.2	700	2.6	6.4	13.4	2.1	2.9	705	2.9	5.8	11.8	1.7	2.3	715	3.5	5.2	9.5	1.4	1.9	720	4.2	4.7	7.8	105	.165	.530	83	109	KS132MA
KS132MB	3.0	4.0	700	2.6	7.8	16.4	2.6	3.5	705	2.8	6.9	14.2	2.2	3.0	715	3.4	6.2	12.0	1.7	2.3	720	4.4	5.5	9.3	110	.190	1.000	102	115	KS132MB
KS132MC	4.1	5.5	700	2.5	10.6	22.0	3.5	4.8	705	2.8	9.6	19.4	3.0	4.0	715	3.5	8.6	16.2	2.6	3.5	720	3.7	8.0	14.0	110	.260	1.730	140	120	KS132MC
KS160M	5.2	7.0	715	2.5	12.2	16.3	4.8	6.4	720	2.6	11.6	15.0	4.1	5.5	725	3.1	10.5	13.0							190	.560	2.530	165	200	KS160M
KS160L	7.5	10.0	715	2.5	17.5	20.0	6.7	9.0	720	2.8	16.0	17.8	5.3	7.3	725	3.5	13.7	14.0							225	.740	3.740	280	215	KS160L
KS180L1	9.5	12.7	722	3.3	22.7	24.1	8.5	11.5	725	3.7	21.2	21.5	7.0	9.4	730	4.5	19.0	18.0							235	1.170	5.100	424	250	KS180L1
KS180L2	11.5	15.5	717	2.7	26.0	29.0	9.3	12.5	723	3.4	22.4	23.6	7.5	10.0	727	4.3	20.0	19.0	6.7	9.0	732	4.8	18.5	17.2	235	1.170	6.000	424	250	KS180L2
KS200L1	14.0	18.8	727	3.0	33.6	33.2	12.0	16.0	730	3.5	31.2	28.6	11.0	15.0	732	3.8	29.0	26.2							255	2.170	7.200	434	370	KS200L1
KS200L2	15.5	21.0	724	2.7	33.5	37.0	13.5	18.0	727	3.2	32.5	32.0	11.5	15.5	730	3.7	30.0	27.4	10.0	13.5	735	4.1	27.2	24.0	255	2.170	10.600	572	370	KS200L2
KS225SA	20.0	27.0	730	3.4	47.0	54.0	17.5	23.5	733	4.0	43.0	47.0	15.0	20.0	735	4.6	40.0	41.0	13.0	17.5	737	5.5	38.0	36.0	220	4.020	12.000	636	510	KS225SA
KS225SB	23.0	31.0	730	3.5	53.0	51.5	20.0	27.0	733	3.8	48.5	45.0	16.7	22.4	735	4.6	45.0	37.5	14.5	19.5	737	5.4	44.5	32.5	270	4.380	12.900	961	525	KS225SB
KS225MA	23.0	31.0	731	3.6	57.0	50.5	20.0	27.0	734	4.2	52.0	44.0	18.5	25.0	735	4.6	50.0	40.5							275	4.630	10.800	1045	550	KS225MA
KS225MB	29.0	38.8	730	3.1	65.5	66.0	26.0	35.0	733	3.6	59.0	59.0	20.0	27.0	735	4.6	51.5	45.5	17.8	23.9	737	5.2	49.0	40.6	265	5.120	14.100	1117	580	KS225MB
KS250SA	30.0	40.0	730	3.7	71.0	64.0	26.0	35.0	733	4.2	62.0	56.0	22.0	29.5	735	5.0	58.0	47.0	19.5	26.0	736	5.6	54.0	42.0	280	5.730	15.800	1332	640	KS250SA
KS250SB	37.0	50.0	730	3.4	80.0	82.5	31.5	42.2	733	3.9	71.0	70.5	26.0	35.0	735	4.8	66.0	58.5	22.0	29.5	738	5.5	64.0	49.1	270	6.340	22.500	1498	660	KS250SB
KS250MA	34.0	46.0	730	3.6	79.0	62.0	30.0	40.0	733	4.1	70.0	55.0	27.0	36.0	735	4.5	67.0	49.0							330	6.830	15.800	1595	700	KS250MA
KS250MB	43.2	58.0	730	3.4	92.5	73.0	37.0	50.0	733	4.1	84.0	63.0	30.0	40.0	735	5.0	78.0	51.0	26.0	35.0	738	5.4	70.0	44.0	355	7.430	24.000	1737	725	KS250MB
KS280SA1	47.0	62.5	735	3.0	96.0	132.0	41.0	55.0	737	3.4	80.0	114.0	37.0	50.0	738	3.8	85.0	104.0							210	10.800	17.000	18.16	990	KS280SA1

SHADED OUTPUTS AS PER IPSS

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

DOC-RMPP-0010102

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.2 (Contd.)

DUTY : S4 & S5, STARTING CLASS 150 STARTS/Hr

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS280SA2	52.0	70.0	734	2.8	105.0	145.0	44.0	59.0	736	3.3	94.0	123.0	37.0	50.0	738	3.9	85.0	104.0	31.0	41.5	740	4.6	74.0	86.0	210	10.800	30.000	1853	990	KS280SA2
KS280SB	56.0	76.0	734	2.9	113.0	136.0	48.0	64.0	736	3.3	107.0	118.0	40.0	53.5	738	4.0	93.0	100.0	34.0	46.0	740	4.7	87.0	84.0	245	11.900	32.400	2102	1020	KS280SB
KS280SC	52.0	70.0	734	2.8	105.0	122.0	44.0	59.0	738	2.9	94.0	103.0	37.0	50.0	738	3.9	85.0	87.0	31.0	41.5	740	4.6	74.0	73.0	264	12.700	30.000	1853	1050	KS280SC
KS280MA1	60.0	80.0	736	3.0	114.0	137.0	52.0	70.0	737	3.4	105.0	119.0	47.0	62.5	738	3.8	98.0	108.0							265	13.500	21.600	2370	1075	KS280MA1
KS280MA2	66.0	88.0	735	2.6	124.0	150.0	56.0	76.0	736	3.2	110.0	128.0	47.0	62.5	738	3.9	98.0	108.0	40.0	53.5	740	4.8	90.0	92.0	265	13.500	38.400	2343	1075	KS280MA2
KS280MB	66.0	88.0	735	2.8	124.0	120.0	56.0	76.0	736	3.2	110.0	103.0	47.0	62.5	738	3.9	98.0	87.0	40.0	53.5	740	4.8	90.0	74.0	335	13.900	38.400	2543	1090	KS280MB
KS280MB	70.0	94.0	735	2.8	136.0	149.0	59.0	79.0	736	3.2	118.0	129.0	50.0	67.0	738	3.8	106.0	106.0	42.0	56.0	740	4.5	96.0	90.0	285	13.900	39.000	2506	1090	KS280MB
KS315S1	75.0	100.0	736	3.1	145.0	147.0	66.0	88.0	737	3.6	132.0	130.0	60.0	80.0	738	4.0	125.0	118.0							310	22.000	25.500	3114	1385	KS315S1
KS315S2	87.0	116.7	735	2.7	160.0	168.0	72.0	96.5	737	3.3	140.0	141.0	60.0	80.0	738	3.8	125.0	118.0	52.0	70.0	740	4.6	114.0	102.0	310	22.000	40.000	3114	1385	KS315S2
KS315M1	95.0	127.0	736	3.1	180.0	154.0	83.0	112.0	737	3.3	162.0	135.0	75.0	100.0	738	4.0	148.0	122.0							370	26.300	31.300	3892	1475	KS315M1
KS315M2	106.0	142.0	735	2.8	198.0	172.0	86.0	115.3	737	3.4	165.0	140.0	75.0	100.0	738	4.0	148.0	122.0	64.0	86.0	740	4.7	137.0	104.0	370	26.300	54.000	3892	1475	KS315M2
KS355SA	140.0	188.0	736	2.8	260.0	219.0	115.0	155.0	739	3.5	222.0	178.0	95.0	127.0	740	4.1	196.0	148.0	75.0	100.0	743	5.2	169.0	118.0	390	42.000	76.000	5007	2000	KS355SA
KS355SB	155.0	208.0	737	2.9	267.0	217.0	120.0	160.0	740	3.6	234.0	168.0	105.0	140.8	740	4.2	216.0	148.0	85.0	114.0	743	5.2	189.0	120.0	435	46.700	84.000	5788	2140	KS355SB
KS355M	160.0	200.0	740	3.4	292.0	188.0	132.0	175.0	740	3.9	264.0	165.0	120.0	160.0	740	4.3	252.0	150.0							480	51.500	94.000	6615	2250	KS355M
KS355L	210.0	285.0	740	3.4	394.0	409.0	175.0	235.0	742	4.0	344.0	341.0	145.0	195.0	743	4.8	302.0	284.0	115.0	155.0	745	5.4	269.0	238.0	300	64.000	116.00	8945	2500	KS355L
KS400LA	210.0	285.0	737	3.0	376.0	320.0	175.0	235.0	740	3.6	325.0	267.0	145.0	195.0	742	4.3	286.0	221.0	115.0	155.0	744	5.4	248.0	174.0	400	76.000	116.00	8269	3100	KS400LA
KS400LB	270.0	360.0	737	3.0	475.0	355.0	220.0	295.0	740	3.4	400.0	290.0	180.0	240.0	741	4.2	345.0	237.0	140.0	188.0	744	5.4	297.0	185.0	460	90.100	125.00	9690	3350	KS400LB
KS450LA	320.0	430.0	738	3.0	566.0	473.0	265.0	355.0	741	3.6	482.0	392.0	220.0	295.0	742	4.3	421.0	326.0	170.0	228.0	744	5.6	380.0	253.0	415	182.80	136.00	11984	4100	KS450LA
KS450LB	410.0	550.0	738	3.0	708.0	529.0	330.0	440.0	741	3.5	602.0	434.0	280.0	375.0	742	4.3	520.0	358.0	220.0	295.0	744	5.6	442.0	282.0	460	188.80	160.00	15179	4300	KS450LB

SHADED OUTPUTS AS PER IPSS

• Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

DOC-RMPP-0010102

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.3

DUTY : S4 & S5, STARTING CLASS 300, STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS132MA	2.1	2.9	705	2.9	5.8	11.8	1.7	2.3	715	3.5	5.2	9.5	1.4	1.9	720	4.2	4.7	7.8							105	.165	.350	83	109	KS132MA
KS132MB	2.6	3.5	705	2.5	6.9	14.2	2.2	3.0	715	3.0	6.2	12.0	1.7	2.3	720	3.9	5.5	9.3							110	.190	.670	102	115	KS132MB
KS132MC	3.6	4.8	710	2.6	9.5	19.4	3.0	4.0	715	3.2	8.6	16.2	2.6	3.5	720	3.7	8.0	14.0							110	.260	1.150	140	120	KS132MC
KS160M													3.7	5.0	727	3.4	9.6	117							190	.560	2.530	167	200	KS160M
KS160L													4.8	6.4	730	3.9	12.8	127							225	.740	3.740	280	215	KS160L
KS180L1							7.0	9.4	730	4.5	19.0	18.0	6.5	8.8	732	4.9	18.0	16.7							235	1.170	5.100	424	250	KS180L1
KS180L2	9.3	12.5	722	3.3	22.5	23.6	7.5	10.0	727	4.3	20.0	19.0	6.7	9.0	732	4.8	18.5	17.2							235	1.170	4.000	424	250	KS180L2
KS200L1							10.5	14.0	731	3.9	27.7	25.0	9.8	13.1	735	4.2	26.7	23.5							255	2.170	7.200	434	370	KS200L1
KS200L2	13.5	18.0	727	3.2	32.5	32.0	11.5	15.5	730	3.7	30.0	27.4	10.0	13.5	735	4.9	27.2	24.0							255	2.170	7.200	572	370	KS200L2
KS225SA	18.5	25.0	732	3.7	45.5	50.0	15.0	20.0	735	4.6	40.0	41.0	13.0	17.5	737	5.4	37.0	36.5							220	4.020	8.00	836	510	KS225SA
KS225SB	20.5	27.5	733	3.7	50.0	46.5	16.7	22.4	735	4.6	45.0	37.5	15.0	20.0	737	5.3	45.5	33.5							270	4.380	8.600	961	525	KS225SB
KS225MA							17.5	23.5	735	4.6	48.0	41.1	16.0	21.5	737	5.2	46.0	35.0							275	4.630	10.800	1045	550	KS225MA
KS225MB	27.0	36.0	730	3.5	61.1	61.0	20.0	27.0	735	4.6	51.5	45.5	19.0	25.5	736	4.8	49.0	43.0							265	5.120	9.400	1117	580	KS225MB
KS250SA	27.0	36.0	733	4.1	63.5	57.0	22.0	29.5	735	5.0	58.0	47.0	20.0	27.0	737	5.5	55.0	43.0							280	5.730	10.500	1332	640	KS250SA
KS250SB	32.0	43.0	733	3.6	72.0	71.5	26.0	35.0	735	4.4	62.0	58.0	22.0	29.5	737	5.2	62.5	49.1							270	6.340	15.000	1498	660	KS250SB
KS250MA							26.0	35.0	736	4.4	66.0	48.0	24.0	32.0	78	5.2	63.0	44.0							330	6.830	15.800	1595	700	KS250MA
KS250MB	37.0	50.0	73	4.1	84.0	63.0	30.0	40.0	735	5.0	78.0	51.0	26.0	35.0	738	5.7	70.0	44.0							355	7.430	16.000	1737	725	KS250MB
KS280SA1							35.0	47.0	739	4.0	82.0	98.0	32.0	43.0	748	4.3	76.0	88.5							210	10.800	17.000	1818	990	KS280SA1

SHADED OUTPUTS AS PER IPSS

* Up to frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

DOC-RMPP-0010102

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.3 (Contd.)

DUTY : S4 & S5, STARTING CLASS 300 STARTS/H

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS280SA2	45.0	60.0	736	3.2	96.0	125.5	37.0	50.0	738	3.9	85.0	104.0	34.0	46.0	739	4.2	81.5	95.5							210	10,800	20,000	1853	990	KS280SA2
KS280SB	48.0	64.0	736	3.3	107.0	118.0	40.0	53.5	738	4.0	93.0	100.0	35.0	47.0	740	4.6	89.0	86.5							245	11,900	21,600	2102	1020	KS280SB
KS280SC	45.0	60.0	736	3.2	96.0	106.0	37.0	50.0	738	3.9	85.0	87.0	34.0	46.0	739	4.2	81.5	80.0							260	12,700	20,000	1853	1050	KS280SC
KS280MA1							45.0	60.0	738	4.0	94.5	104.0	41.0	55.0	740	4.7	92.0	94.0							265	13,500	21,600	2370	1075	KS280MA1
KS280MA2	56.0	76.0	736	3.2	110.0	129.0	47.0	62.5	738	3.9	98.0	108.0	42.0	56.0	740	4.7	94.0	96.0							265	13,500	25,600	2343	1575	KS280MA2
KS280MB	56.0	76.0	736	3.2	110.0	103.0	47.0	62.5	738	3.9	98.0	87.0	42.0	56.0	740	4.7	94.0	78.0							335	13,900	25,600	2343	1090	KS280MB
KS280MB	61.0	81.5	736	3.1	120.0	130.0	50.0	67.0	738	3.8	106.0	106.0	43.0	57.6	740	4.4	98.0	92.0							285	13,900	28,000	2506	1090	KS280MB
KS315S1							57.0	77.0	739	4.2	121.0	112.0	52.0	70.0	740	4.6	114.0	102.0							310	22,000	25,500	3114	1385	KS315S1
KS315S2	75.0	100.0	736	3.2	144.0	146.0	60.0	80.0	738	4.0	125.0	118.0	53.0	71.0	740	4.5	116.0	104.0							310	22,000	26,700	3114	1385	KS315S2
KS315M1							72.0	96.5	739	4.2	143.0	117.0	65.0	87.0	740	4.6	139.0	105.0							370	26,300	31,300	3892	1475	KS315M1
KS315M2	92.0	123.5	736	3.2	178.0	149.0	75.0	100.0	738	4.0	148.0	122.0	64.0	86.0	740	4.7	137.0	104.0							370	26,300	36,000	3892	1475	KS315M2
KS355SA	115.0	155.0	739	3.5	222.0	178.0	95.0	127.0	740	4.1	196.0	148.0	80.0	107.0	743	5.0	178.0	125.0							390	42,000	50,700	5007	2000	KS355SA
KS355SB	120.0	160.0	740	3.6	234.0	168.0	105.0	140.8	740	4.2	216.0	148.0	90.0	120.0	743	5.0	194.0	128.0							435	46,700	58,000	5788	2120	KS355SB
KS355M							115.0	155.0	740	4.5	246.0	144.0	105.0	140.0	743	5.0	236.0	132.0							480	51,500	60,000	6615	2250	KS355M
KS355L	175.0	235.0	742	4.0	344.0	359	145.0	195.0	743	4.8	302.0	298.0	125.0	168.0	745	5.6	284.0	257.0							300	64,000	76,000	8945	2500	KS355L
KS400LA	180.0	240.0	740	3.5	330.0	274.0	145.0	195.0	742	4.3	286.0	221.0	125.0	168.0	743	5.0	268.0	198.0							400	75,000	76,000	8269	3100	KS400LA
KS400LB	220.0	295.0	740	3.5	398.0	290.0	180.0	249.0	741	4.2	345.0	237.0	150.0	200.0	743	5.0	308.0	190.0							460	90,100	82,000	9690	3350	KS400LB
KS450LA	280.0	350.0	741	3.7	477.0	385.0	220.0	295.0	742	4.3	422.0	326.0	185.0	250.0	743	5.1	377.0	274.0							415	162,30	90,000	11984	4100	KS450LA
KS450LB	335.0	450.0	741	3.5	595.0	428.0	280.0	375.0	742	4.4	518.0	358.0	240.0	320.0	743	5.0	464.0	306.0							480	188.80	101.00	15179	4300	KS450LB

SHADED OUTPUTS AS PER IPSS

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

DOC-RMPP-0010102

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.4

DUTY : S4 & S5, STARTING CLASS 600 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro Wt. (Kg)	Frame Size
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS132MA	2.1	2.9	705	2.9	5.8	11.8	1.7	2.3	715	3.5	5.2	9.5	1.4	1.9	720	4.2	4.7	7.8							105	.165	.350	83	109	KS132MA
KS132MB	2.6	3.5	705	2.5	6.9	14.2	2.2	3.0	715	3.0	6.2	12.0	1.7	2.3	720	3.9	5.5	9.3							110	.190	.670	102	115	KS132MB
KS132MC	3.6	4.8	710	2.6	9.5	19.4	3.0	4.0	715	3.2	8.6	16.2	2.6	3.5	720	3.7	6.0	14.0							110	.260	1.150	140	120	KS132MC
KS160M																									190	.560		167	200	KS160M
KS160L																									225	.740		280	215	KS160L
KS180L1																									235	1.170		424	250	KS180L1
KS180L2	8.0	10.7	727	3.6	19.5	20.0	6.8	9.1	728	4.2	18.5	17.3	6.3	8.4	730	4.6	19.0	16.0							235	1.170	4.000	424	250	KS180L2
KS200L1																									255	2.170		434	370	KS200L1
KS200L2	10.5	14.0	722	3.7	27.4	25.0	9.4	12.6	725	4.1	26.0	22.0	8.5	11.5	735	4.5	25.5	20.3							255	2.170	7.200	572	370	KS200L2
KS225SA	14.0	18.8	736	4.8	38.0	39.0	12.5	16.8	737	5.4	36.0	35.0	11.2	15.2	739	6.0	35.0	31.4							220	4.020	8.000	836	510	KS225SA
KS225SB	16.0	21.5	736	4.7	44.0	35.7	14.0	18.8	738	5.5	40.0	31.0	12.8	17.2	739	6.0	40.0	28.5							270	4.380	8.600	961	525	KS225SB
KS225MA																									275	4.630		1045	550	KS225MA
KS225MB	20.0	27.0	735	4.6	51.5	45.5	18.0	24.0	736	4.9	48.5	41.0	16.0	21.5	738	5.7	46.4	36.5							265	5.120	9.400	1117	580	KS225MB
KS250SA	22.0	29.5	736	5.0	58.0	47.0	19.5	26.0	738	5.6	55.5	42.0	17.6	23.6	738	6.2	54.0	37.7							280	5.730	10.500	1332	640	KS250SA
KS250SB	23.5	31.5	737	5.2	65.0	53.0	21.0	28.0	738	5.8	63.0	47.0	19.0	25.5	739	6.4	60.0	43.0							270	6.340	15.000	1498	660	KS250SB
KS250MA																									330	6.830		1595	700	KS250MA
KS250MB	28.0	37.5	737	5.4	76.0	49.0	25.0	33.5	738	5.8	68.0	44.0	23.0	31.0	739	6.4	66.0	40.7							355	7.430	16.000	1797	725	KS250MB
KS260SA1																									210	10.800		1816	990	KS260SA1

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

8 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

Table 8.4 (Contd.)

DUTY : S4 & S5, STARTING CLASS 600 STARTS/Hr

Frame Size	CDF 25%						CDF 40%						CDF 60%						CDF 100%						RV	GD2		POT (Nm)	Appro Wt. (Kg)	Frame Size	
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA		ROTOR Kgm2	LOAD Kgm2				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
KS280SA2	30.0	40.0	741	4.5	76.0	84.0	28.0	37.5	742	4.8	74.0	79.0	25.0	33.5	742	5.4	71.0	70.0								210	10.800	20.000	1853	990	KS280SA2
KS280SB	33.0	44.0	742	4.8	91.0	82.0	30.0	40.0	743	5.3	88.0	74.0	27.5	37.0	743	5.8	86.0	68.0								245	11.900	21.600	2102	1020	KS280SB
KS280SC	30.0	40.0	741	4.5	76.0	71.0	28.0	37.5	742	4.8	74.0	66.0	25.0	33.5	742	5.4	71.0	60.0								260	12.700	20.000	1853	1050	KS280SC
KS280MA1																										265	13.500		2370	1075	KS280MA1
KS280MA2	38.0	51.0	741	4.4	90.0	87.0	35.0	47.0	742	4.7	87.0	80.0	32.0	43.0	743	5.2	84.0	74.0								265	13.500	25.600	2343	1075	KS280MA2
KS280MB	38.0	51.0	741	4.4	90.0	70.5	35.0	47.0	742	4.7	87.0	65.0	32.0	43.0	743	5.2	84.0	60.0								335	13.900	25.600	2343	1090	KS280MB
KS280MB	42.0	56.0	742	4.3	100.0	90.0	38.5	51.5	742	4.7	96.0	82.0	35.0	47.0	743	5.2	92.0	75.0								285	13.900	26.000	2508	1090	KS280MB
KS315S1																										310	22.000		3114	1385	KS315S1
KS315S2	52.0	70.0	742	4.4	115.0	102.0	47.0	62.5	742	5.0	109.0	99.0	43.0	57.6	743	5.4	104.0	85.0								310	22.000	26.700	3114	1385	KS315S2
KS315M1																										370	26.300		3892	1475	KS315M1
KS315M2	64.0	86.0	742	4.4	138.0	105.0	57.0	76.4	743	5.0	129.0	93.0	53.0	71.0	744	5.3	125.0	87.0								370	26.300	36.000	3892	1475	KS315M2
KS355SA	68.0	91.0	744	5.7	170.0	107.0	64.0	86.0	744	6.1	166.0	101.0	59.0	79.0	745	6.6	161.0	93.0								390	42.000	50.700	5007	2000	KS355SA
KS355SB	74.0	99.0	744	6.0	187.0	104.0	70.0	94.0	745	6.3	183.0	99.0	65.0	87.0	745	6.8	178.0	92.0								435	46.700	56.000	5788	2120	KS355SB
KS355M																										480	51.500		6615	2250	KS355M
KS355L	110.0	150.0	745	6.3	276.0	225.0	100.0	135.0	745	6.9	257.0	206.0	90.0	120.0	747	7.8	247.0	155.0								300	67.200	76.000	8945	2500	KS355L
KS400LA	110.0	150.0	744	5.3	240.0	166.0	100.0	135.0	745	6.1	234.0	153.0	90.0	120.0	745	7.0	230.0	137.0								400	78.000	76.000	8269	3100	KS400LA
KS400LB	130.0	173.0	745	5.6	289.0	172.0	120.0	160.0	745	6.0	277.0	159.0	115.0	155.0	745	6.2	271.0	152.0								460	90.100	82.000	9690	3350	KS400LB
KS450LA	120.0	160.0	746	7.8	315.0	176.0	115.0	155.0	746	8.1	310.0	171.0	110.0	150.0	746	8.5	306.0	164.0								415	162.30	90.000	11984	4100	KS450LA
KS450LB	180.0	240.0	745	6.2	406.0	230.0	170.0	228.0	746	6.6	397.0	217.0	160.0	215.0	746	7.0	385.0	205.0								480	188.80	101.00	15179	4300	KS450LB

* Upto frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

10 POLE SLIPRING CRANE DUTY MOTORS-PERFORMANCE FIGURES

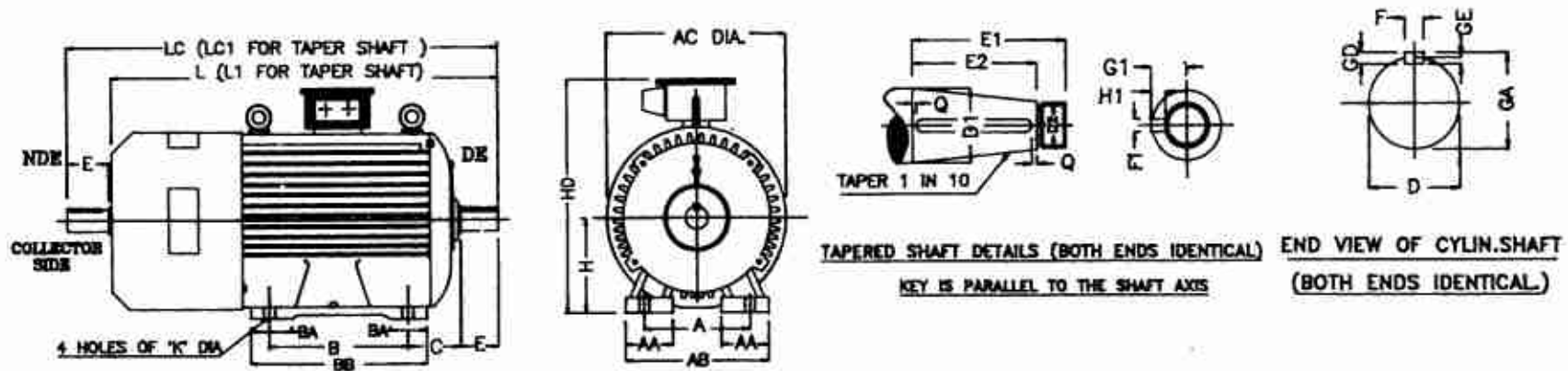
Table 10.4

DUTY : S4 & S5, STARTING CLASS 600 STARTS/Hr

Frame Size	CDF 25%					CDF 40%					CDF 60%					CDF 100%					RV	GD2		POT (Nm)	Appro. Wt. (Kg)	Frame Size				
	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP	SPEED rpm	POT XFLT	FLC amps	RA	OUTPUT KW	HP		SPEED rpm	POT XFLT				FLC amps	RA	ROTOR Kgm2	LOAD Kgm2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KS225S	10.5	14.0	588	4.2	33.0	27.6	9.5	12.7	589	4.7	32.0	25.0	8.5	11.5	590	5.3	31.0	22.5							230	4.000	10.700	749	515	KS225S
KS225M	15.0	20.0	588	4.1	46.2	31.8	14.0	18.8	589	4.4	45.3	29.7	12.0	16.0	591	5.1	43.0	25.3							285	5.100	11.300	1001	550	KS225M
KS250SA	15.0	20.0	589	4.3	48.7	31.7	14.0	18.8	590	4.6	45.7	29.6	12.0	16.0	592	5.4	43.6	25.4							285	5.700	15.300	1045	620	KS250SA
KS250SB	17.0	23.0	590	4.5	52.4	29.5	15.5	21.0	591	4.9	51.0	27.0	13.5	18.0	592	5.7	49.0	23.5							350	6.300	16.500	1228	640	KS250SB
KS250M	20.0	27.0	590	4.2	58.5	34.4	17.0	23.0	591	4.9	55.4	29.2	15.0	20.1	592	5.6	53.6	25.8							350	6.800	18.000	1300	675	KS250M
KS280SA	25.0	33.5	591	4.2	74.2	70.2	22.5	30.0	592	4.7	71.6	63.2	20.0	27.0	592	5.3	69.0	56.2							215	10.500	21.200	1789	990	KS280SA
KS280SB	30.0	40.0	591	4.1	86.0	72.7	27.5	37.0	592	4.5	83.0	66.7	24.0	32.0	593	5.2	80.0	58.3							250	12.300	24.000	2120	1020	KS280SB
KS280MA	33.0	44.0	591	4.1	93.3	74.6	29.0	38.8	592	4.6	89.4	65.7	26.0	35.0	593	5.2	86.3	59.0							265	13.500	28.700	2263	1075	KS280MA
KS280MB	38.0	51.0	592	4.1	109.0	75.0	33.0	44.0	593	4.8	104.0	65.0	30.0	40.0	593	5.2	101.0	59.0							305	14.8	32.000	2651	1120	KS280MB
KS315SA																									380	22.000		2693	1385	KS315SA
KS315SA	36.0	48.0	594	5.0	100.0	72.0	34.0	46.0	594	5.3	98.0	68.0	30.0	40.0	593	5.7	101.0	46.0							305	22.000	35.200	2993	1385	KS315SA
KS315SB	42.0	56.0	594	5.0	121.0	75.0	38.0	51.0	595	5.5	117.0	68.0	34.0	45.0	596	6.2	103.0	60.0							340	25.200	22.000	3221	1450	KS315SB
KS315M1																									370	27.700		3544	1480	KS315M1
KS315M2	46.0	61.5	594	5.2	128.0	75.0	44.0	59.0	595	5.4	123.0	73.0	37.0	50.0	596	6.4	126.0	61.0							370	27.700	44.000	3544	1480	KS315M2
KS355SA	57.0	76.4	594	4.4	139.0	108.0	52.0	70.0	595	5.0	134.0	98.0	46.0	61.5	595	5.5	128.0	87.0							320	39.600	47.200	4195	2000	KS355SA
KS355SB	57.0	76.4	594	4.7	144.0	93.0	52.0	70.0	595	5.2	140.0	85.0	46.0	61.5	596	5.8	135.0	75.5							370	45.800	69.300	4829	2100	KS355SB
KS355MA																									370	45.600		4829	2200	KS355MA
KS355MB	70.0	94.0	594	5.2	170.0	100.0	66.0	88.0	595	5.5	160.0	96.0	58.0	78.0	596	6.2	152.0	84.0							420	51.600	86.700	5937	2300	KS355MB
KS355LA																									420	51.600		5937	2390	KS355LA
KS355LB	75.0	100.0	595	6.3	205.0	132.0	72.0	96.5	595	6.5	197.0	127.0	65.0	87.0	596	7.0	190.0	114.0							350	67.000	118.70	7766	2550	KS355LB
KS400LA																									410	85.000		7952	3000	KS400LA
KS400LB																									475	99.100		9809	3300	KS400LB
KS450LA	120.0	160.0	596	5.8	307.0	177.0	110.0	150.0	596	6.3	289.0	163.0	100.0	135.0	597	7.0	288.0	148.0							410	162.80	140.00	11867	4000	KS450LA
KS450LB	150.0	200.0	596	5.7	382.0	192.0	140.0	188.0	598	6.1	371.0	179.0	120.0	160.0	597	7.1	352.0	154.0							475	183.60	175.00	14504	4400	KS450LB
KS500L	170.0	228.0	596	4.4	602.0	360.0	160.0	215.0	597	7.4	487.0	215.0	140.0	188.0	597	8.4	471.0	188.0							455	271.00	200.00	19039	5400	KS500L
KS500LX	180.0	240.0	596	6.8	630.0	240.0	175.0	235.0	596	7.0	530.0	233.0	160.0	215.0	597	7.8	540.0	213.0							460	332.00	220.00	20277	5900	KS500LX
KS560LX	400.0	540.0	597	5.9	980.0	475.0	350.0	470.0	597	6.7	945.0	415.0	300.0	400.0	597	7.9	900.0	355.0							500	740.00	300.00	38630	10000	KS560LX

* Up to frame size 315. For frame sizes above 315 the applicable ambient temp. will be 40°C.

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



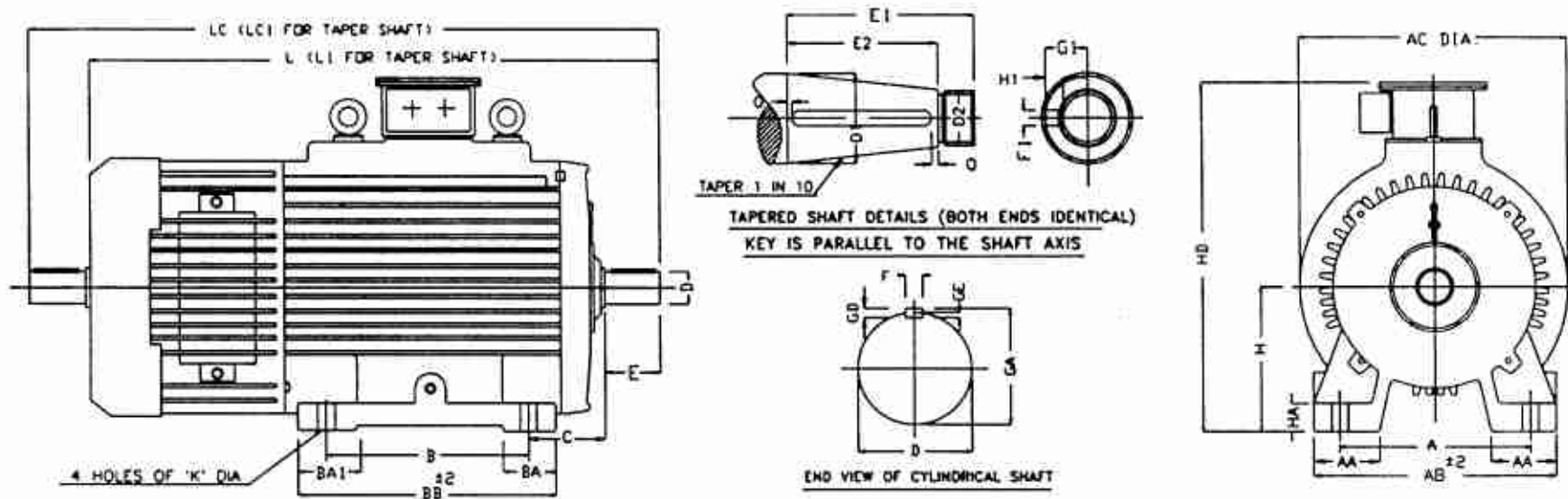
All dimensions are in m.m.

STANDARD DIMENSIONS CONFORMS TO IS1231—1974 & IPSS SPEC.

FRAME	H		FIXING DIMENSIONS				AC DIA	HD	AA	AB	BA	BB
	NOM.	TOL.	A	B	C	K						
KS112M	112	-0.5	190	140	70	12	252	325	45	226	50	170
KS132M	132	-0.5	216	178	89	12	300	372	55	260	55	220
KS160M	160	-0.5	254	210	108	15	346	445	55	305	75	260
KS160L	160	-0.5	254	254	108	15	346	445	55	305	78	305

FRAME	CYLINDRICAL SHAFT DIMENSION DETAILS (BOTH ENDS)												TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)									
	L	LC	E	D		GA	F		GD		GE		L1	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM.	TOL.		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.										
KS112M	610	675	60	28	+0.18 +0.002	31	8	-0.036	7	-0.090	4	+2	610	675	T 28	M16X1.5	60	42	5	5	27.9	3
KS132M	700	785	80	38	+0.18 +0.002	41	10	-0.036	8	-0.090	5	+2	700	785	T 38	M20X1.5	80	54	8	7	20	5
KS160M	780	894	110	42	+0.18 +0.002	45	12	-0.043	8	-0.090	5	+2	780	894	T 42	M24X2	110	82	10	8	22	5
KS160L	824	938	110	42	+0.18 +0.002	45	12	-0.043	8	-0.090	5	+2	824	938	T 42	M24X2	110	82	10	8	22	5

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



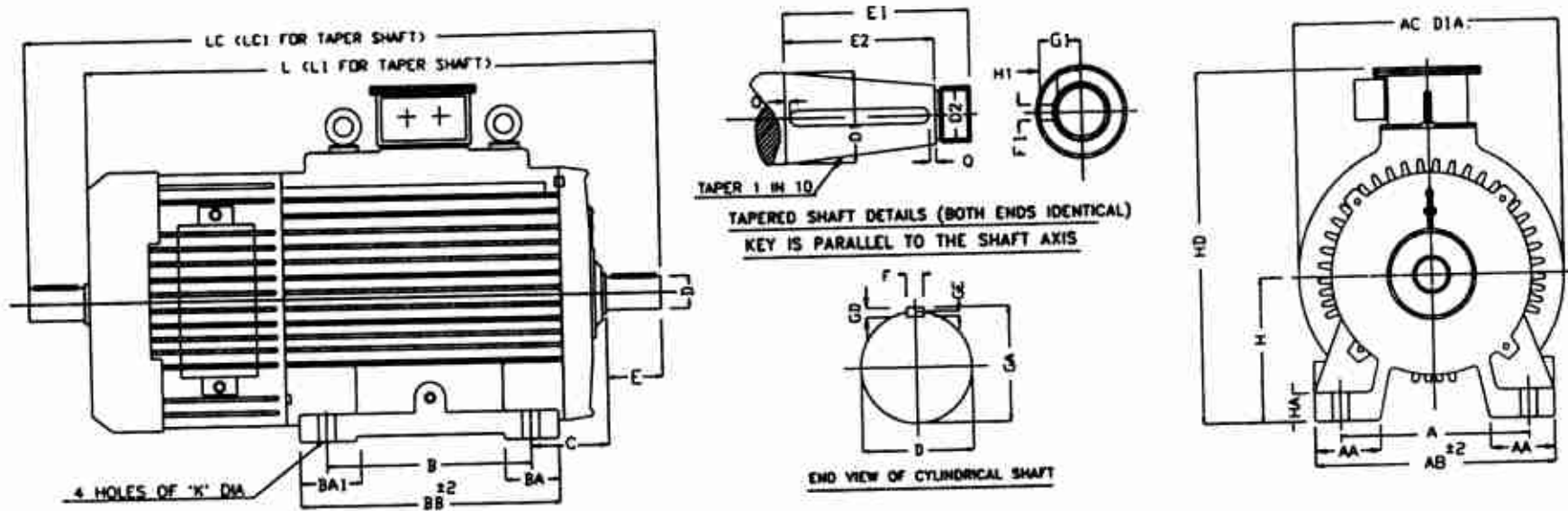
All dimensions are in m.m.

STANDARD DIMENSIONS CONFORMS TO IS1231—1974 & IPSS SPEC.

FRAME	H		FIXING DIMENSIONS				HA	AC DIA	HD (Max.)	AB	AA	BB	BA (Min.)	BA1 (Min.)
	NOM.	TOL.	A	B	C	K								
KS180L	180	-0.5	279	279	121	15	21	395	490	340	75	340	85	85
KS200L	200	-0.5	318	305	133	19	25	450	545	400	89	365	95	95

FRAME	CYLINDRICAL SHAFT DIMENSION DETAILS (BOTH ENDS)												TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)									
	L (Max.)	LC	E	D		GA	F		GD		GE		L1 (Max.)	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM.	TOL.		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.										
KS180L	880	990	110	48	+0.030 +0.011	51.5	14	-0.052	9	-0.011	5.5	+0.2	880	990	T 48	M30X2	110	82	12	8	25	5
KS200L	947	1057	110	55	+0.030 +0.011	59	16	-0.052	10	-0.011	6	+0.2	947	1057	T 55	M36X3	110	82	14	9	29	5

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



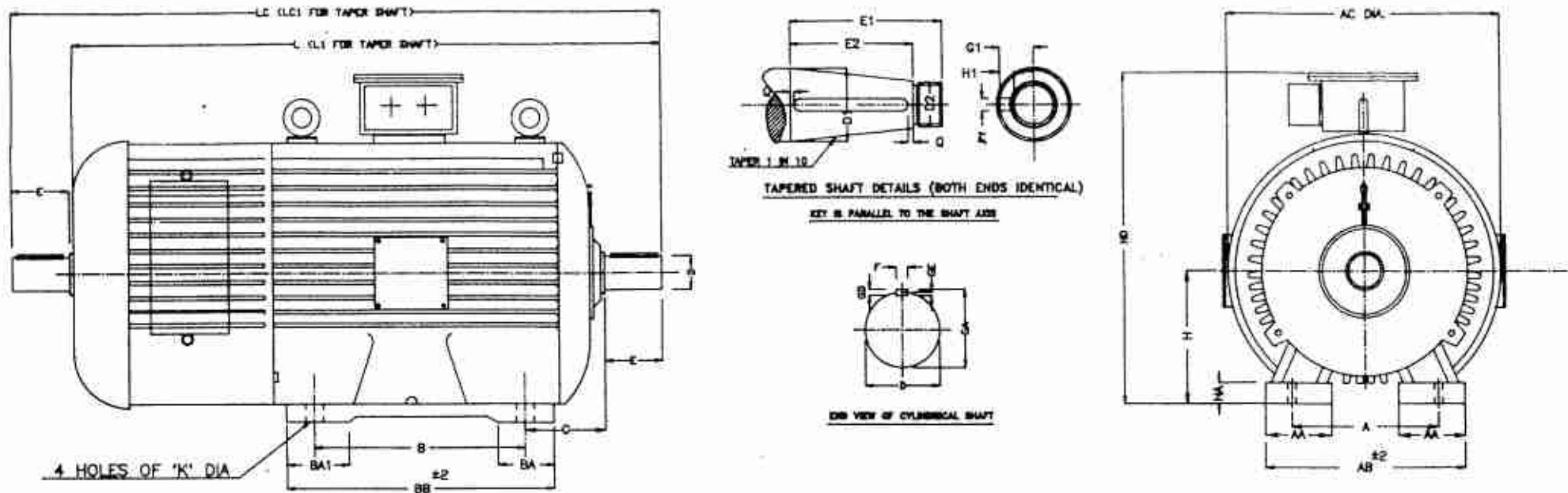
All dimensions are in m.m.

STANDARD DIMENSIONS CONFORMS TO IS1231—1974 & IPSS SPEC.

FRAME	H		FIXING DIMENSIONS				HA	AC DIA	HD (Max.)	AB	AA	BB	BA (Min.)	BA1 (Min.)
	NOM.	TOL.	A	B	C	K								
KS225S	225	-0.5	356	286	149	19	27	500	635	457	108	345	108	108
KS225M	225	-0.5	356	311	149	19	27	500	635	457	108	370	108	108
KS250S	250	-0.5	406	311	168	24	30	500	660	483	108	382	115	115
KS250M	250	-0.5	406	349	168	24	30	500	660	483	108	420	115	115

FRAME	CYLINDRICAL SHAFT DIMENSION DETAILS (BOTH ENDS)												TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)									
	L (Max.)	LC	E	D		GA	F		GD		GE		L1 (Max.)	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM.	TOL.		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.										
KS225S	1053	1194	140	60	+0.030 +0.011	64	18	-0.052	11	-0.011	7	+2	1053	1194	T 60	M42X3	140	105	16	10	31.4	5
KS225M	1077	1218	140	60	+0.030 +0.011	64	18	-0.052	11	-0.011	7	+2	1077	1218	T 60	M42X3	140	105	16	10	31.4	5
KS250S	1117	1256	140	65	+0.030 +0.011	69	18	-0.052	11	-0.011	7	+2	1117	1256	T 70	M48X3	140	105	18	11	36.4	5
KS250M	1155	1294	140	65	+0.030 +0.011	69	18	-0.052	11	-0.011	7	+2	1155	1294	T 70	M48X3	140	105	18	11	36.4	5

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



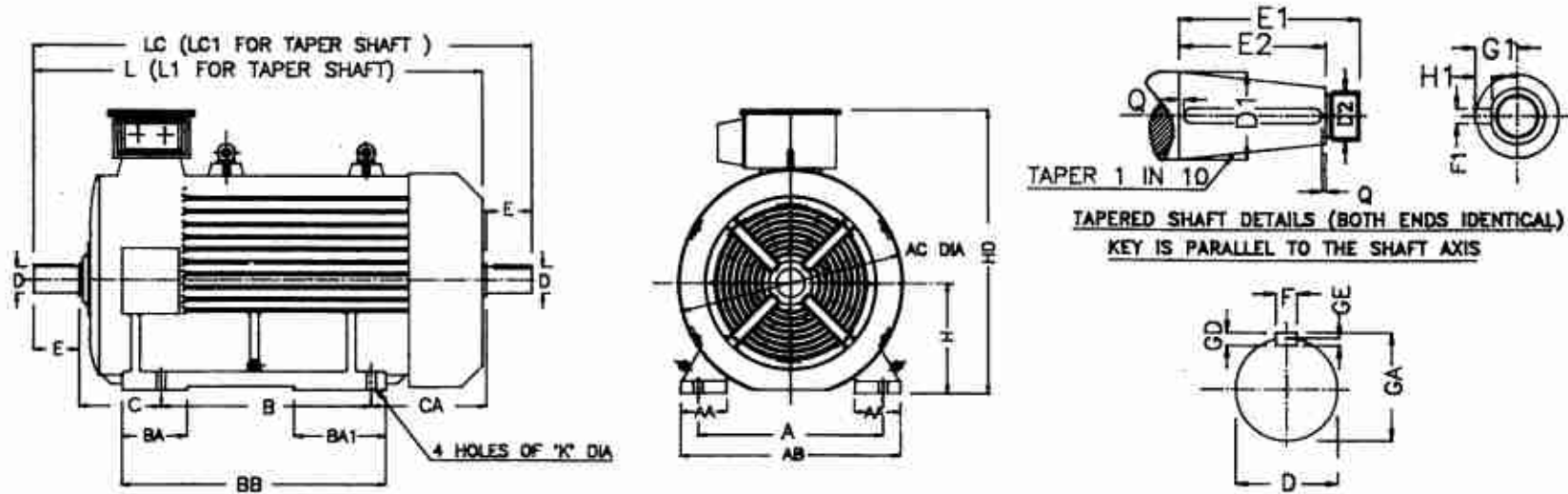
All dimensions are in m.m.

STANDARD DIMENSIONS CONFORMS TO IS1231—1974 & IPSS SPEC.

FRAME	H		FIXING DIMENSIONS				HA	AC DIA	HD (Max.)	AB	AA	BB	BA (Min.)	BA1 (Min.)
	NOM.	TOL.	A	B	C	K								
KS280S	280	-1	457	368	190	24	32	560	830	560	112	490	120	120
KS280M	280	-1	457	419	190	24	32	560	830	560	112	490	120	120
KS315S	315	-1	508	406	216	28	36	620	885	620	120	520	143	143
KS315M	315	-1	508	457	216	28	36	620	885	620	120	520	143	143

FRAME	CYLINDRICAL SHAFT DIMENSION DETAILS (BOTH ENDS)												TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)									
	L (Max.)	LC	E	D		GA	F		GD		GE		L1 (Max.)	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM.	TOL.		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.										
KS280S	1300	1428	140	75	+0.030 +0.011	79.5	20	-0.052	12	-0.011	7.5	+2	1330	1488	T 80	M56X4	170	130	20	12	41.3	5
KS280M	1300	1428	140	75	+0.030 +0.011	79.5	20	-0.052	12	-0.011	7.5	+2	1330	1488	T 80	M56X4	170	130	20	12	41.3	5
KS315S	1425	1602	170	80	+0.030 +0.011	85	22	-0.052	14	-0.011	9	+2	1425	1602	T 90	M64X4	170	130	22	14	46.7	5
KS315M	1425	1602	170	80	+0.030 +0.011	85	22	-0.052	14	-0.011	9	+2	1425	1602	T 90	M64X4	170	130	22	14	46.7	5

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



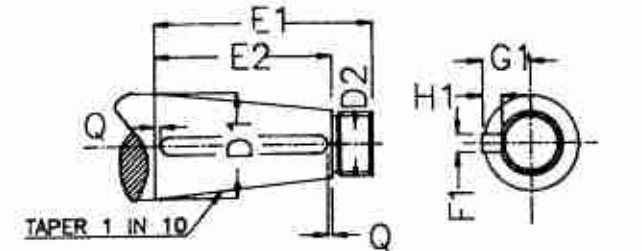
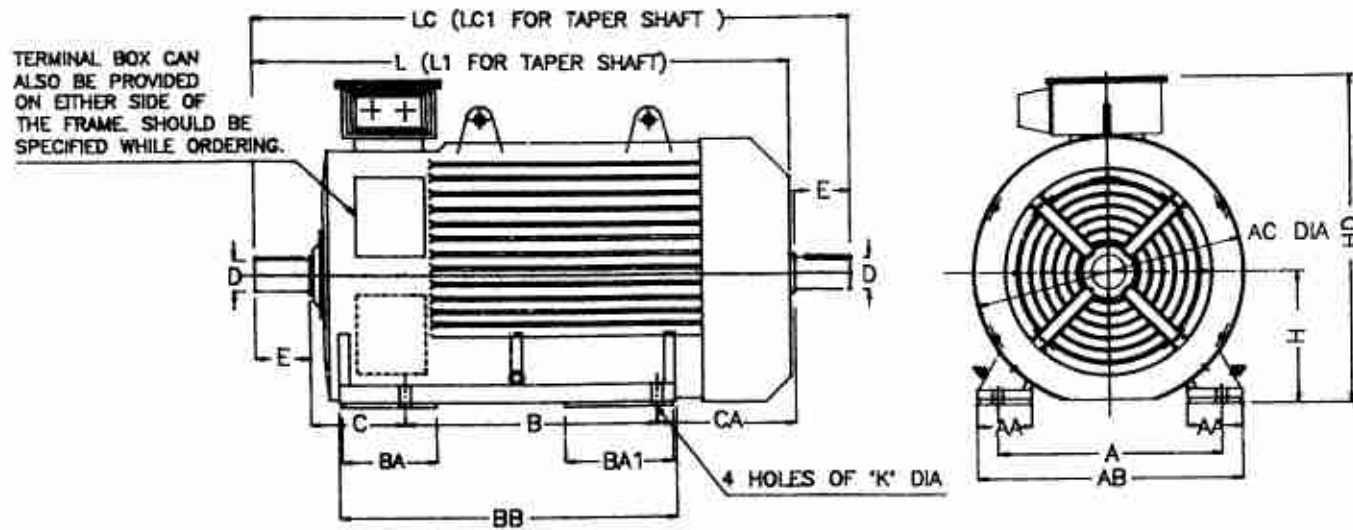
All dimensions are in m.m.

STANDARD DIMENSIONS CONFORMS TO IS 8223 & IPSS SPEC.

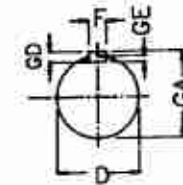
FRAME	H		FIXING DIMENSIONS					AC DIA	HD	AA	AB	BA	BA1	BB
	NOM.	TOL.	A	B	C	CA	K							
KS355S	355	-1	610	500	254	631	28	760	1025	152	710	200	300	770
KS355M	355	-1	610	560	254	631	28	760	1025	152	710	200	300	830
KS355L	355	-1	610	630	254	631	28	760	1025	152	710	200	300	900
KS 400L	400	-1	686	710	280	615	35	850	1068	180	812	200	400	1005
KS450L	450	-1	750	900	315	670	35	960	1215	180	876	200	400	1223

FRAME	CYLINDRICAL SHAFT DIMENSION DETAILS (BOTH ENDS)												TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)									
	L	LC	E	D		GA	F		GD		GE		L1	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM.	TOL.		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.										
KS355S	1545	1725	170	90	+0.035 +0.013	95	25	-0.052	14	-0.110	9	-0.2	1585	1805	100	M72X4	210	165	25	14	50.9	5
KS355M	1605	1785	170	90	+0.035 +0.013	95	25	-0.052	14	-0.110	9	-0.2	1645	1865	100	M72X4	210	165	25	14	50.9	5
KS355L	1675	1855	170	90	+0.035 +0.002	95	25	-0.052	14	-0.110	9	-0.2	1715	1935	100	M72X4	210	165	25	14	50.9	5
KS400L	1805	2025	210	100	+0.035 +0.013	105	25	-0.052	14	-0.110	9	-0.2	1805	2025	110	M80X4	210	165	25	14	55.9	5
KS450L	2080	2305	210	110	+0.035 +0.013	116	28	-0.052	16	-0.110	9	-0.2	2080	2305	118	M80X4	210	165	28	16	61.9	5

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



TAPERED SHAFT DETAILS (BOTH ENDS IDENTICAL)
KEY IS PARALLEL TO THE SHAFT AXIS



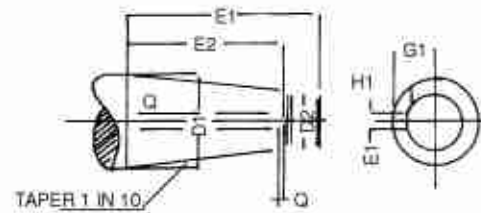
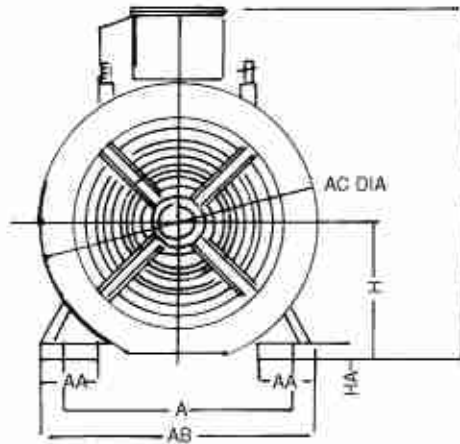
END VIEW OF CYLINDRICAL SHAFT

All dimensions are in m.m.

FRAME	H		FIXING DIMENSIONS					AC DIA	HD	HA	AA	AB	BA	BA1	BB
	NOM.	TOL.	A	B	C	CA	K								
KS500L	500	-1.5	850	1120	355	635	42	1045	1280	55	200	1000	436	544	1410

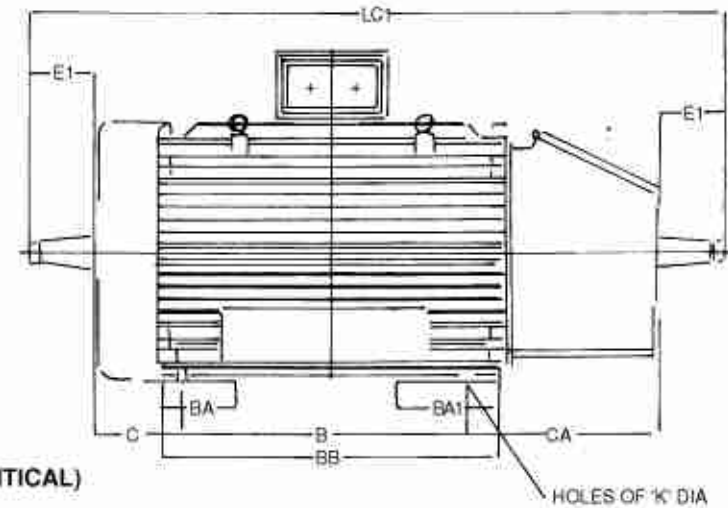
FRAME	CYLINDRICAL SHAFT DIMENSION DETAILS (BOTH ENDS)											TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)										
	L	LC	E	D		GA	F		GD		GE		L1	LC1	D1	D2	E1	E2	F1	H1	G1	Q
				NOM.	TOL.		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.										
KS500L	2300	2530	210	120	+0.035 +0.013	127	32	-0.062	18	-0.110	11	+2	2340	2610	128	M90X4	250	200	32	18	66	5

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



TAPERED SHAFT DETAILS (BOTH ENDS IDENTICAL)

KEY IS PARALLEL TO THE SHAFT AXIS

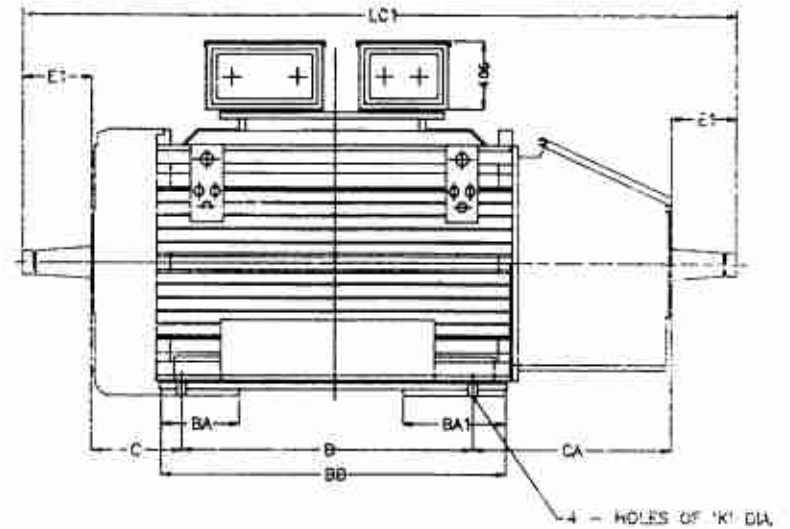
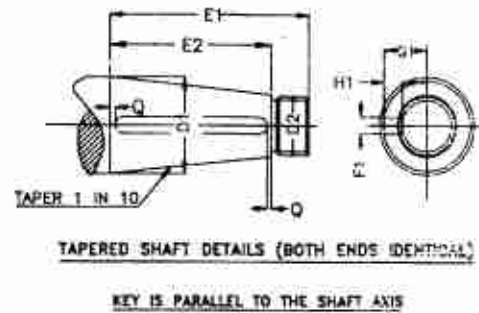
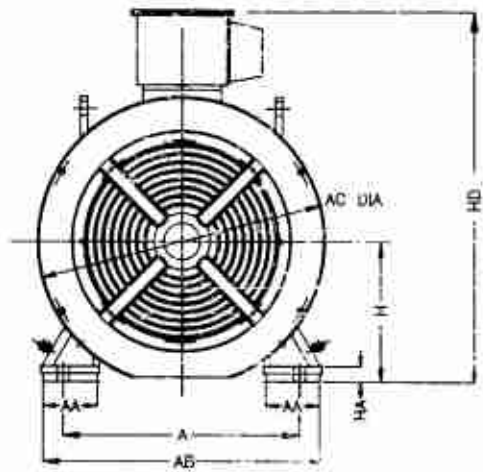


All dimensions are in m.m.

FRAME	H		FIXING DIMENSIONS					TAPER SHAFT DIMENSIONS DETAILS (BOTH)								
	NOM.	TOL.	A	B	C	CA	K	LC1	D1	D2	E1	E2	F1	H1	G1	Q
KS500LX	500	-1.5	850	1120	365	775	42	2760	128	M90X4	250	200	32	18	66	5

FRAME	HA	AC DIA	HD	AA	AB	BA	BA1	BB
KS500LX	45	1013	1322	200	1000	300	400	1336

OUTLINE DIMENSIONAL DRAWING FOR CRANE RANGE OF MOTORS



All dimensions are in m.m.

FRAME	H		FIXING DIMENSIONS					AC DIA	HD	HA	AA	AB	BA	BA1	BB
	NOM.	TOL.	A	B	C	CA	K								
KS560LX	560	-1.5	950	1250	375	825	42	1200	1700	55	265	1100	350	400	1470

FRAME	TAPER SHAFT DIMENSION DETAILS (BOTH ENDS)								
	LC1	D1	D2	E1	E2	F1	H1	G1	Q
KS560LX	2950	150	M110X4	250	200	36	20	83	5



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