

**TECHNICAL DATA OF KLAM RETARDERS FOR DYNAMOMETERS**

TECHNICAL DATA	K-10	K-40C	K-70AL	CFK-140	KR-250AL	CFK-300	CFK-390	CFK-500
TOTAL WEIGHT (Kgs)	17,2	88	135	180	360	301	381	455
ROTORS WEIGHT (Kgs)	2,8	22	36	58	94	118	126	126
ROTORS INERTIA (Kgm <sup>2</sup> )	0,01	0,26	0,55	1,689	2,915	4,4	4,74	4,74
MAXIMUM SPEED (rpm)	11000	9500	9000	7500	6200	6200	6200	6200
Constant	11000	9500	9000	7500	6200	6200	6200	6200
Periodic	13000	10000	9500	8000	6700	6700	6700	6700
DISTANCE NUT TO NUT (mm)	153,28	296,3	399	325,5	458,2	335	360	420
DIMENSIONS (mm)	186x178	370x332	380x369	452x446	554x538	554x559	554x626	554x624
ELECTRICAL CONSUMPTION (A)								
* 96V	28	22	32	39	37	38	38	38
* 192V	14	11	16	19,5	18,5	19	19	19
BRAKING TORQUE (Nm)	27	400	810	1700	2530	2600	3370	3820
RPM OF MAX. COLD BRAKING TORQUE	2200	1200	1800	900	800	650	650	650
POWER IN COLD CONDITIONS (Hp)								
* 500 rpm	0,56	17	48	111	167	178	221	223
* 1000 rpm	2,23	55	107	227	343	356	425	523
* 1500 rpm	4,61	82	168	314	502	523	670	734
* 2000 rpm	7,26	106	223	396	642	670	837	921
* 2500 rpm	9,08	124	272	487	750	768	977	1082
* 3000 rpm	10,47	140	305	575	795	837	1130	1214
* 4000 rpm	13,4	167	330	850	995	1045	1170	1250
* 5000 rpm	15,38	195	350	910	1075	1125	1225	1310
* 6000 rpm	14,76	210	365	960	1150	1195	1310	1405
POWER IN HOT CONDITIONS (Hp)								
* 500 rpm	0,42	5	20	40	75	75	85	95
* 1000 rpm	1,82	21	40	70	125	125	130	135
* 1500 rpm	3,98	33	60	80	145	146	148	150
* 2000 rpm	5,86	39	70	90	157	158	160	165
* 2500 rpm	6,98	47	75	98	165	165	173	180
* 3000 rpm	7,96	52	80	105	170	170	184	190
* 4000 rpm	10,05	65	84	111	174	174	188	196
* 5000 rpm	11,87	70	87	115	177	177	191	200
* 6000 rpm	12,04	73	89	118	179	179	193	202