

Electro magnetic knocker EK series

The electromagnetic knocker eliminates blockage trouble of various powders and granules only with electric power (no air supply is required). Since it does not emit oil mist, it is suitable for use in clean environments.



EK5A	EK10A	EK20A
EK5SA	EK10SA	EK20SA

■ Specification (Metric)

Model	Power source	Impact cycle (sec)	Current (average) (A)	Impact energy (N·m)	Impulsive force (kg·m/s)	Converts into hammer pound (lb.)	Unit weight (kg)	Overall weight (kg)
EK5A	DIGIOPE EKC200 Input voltage AC200V	1~60	1.3	13.8	3.2	1.0	8.3	10.7
EK5SA				7.1	2.2	0.7		
EK10A			1.8	28.4	6.6	2.0	15.6	19.1
EK10SA				13.8	4.6	1.5		
EK20A			3.4	48.6	11.9	4.0	23.7	28.8
EK20SA				24.2	8.4	3.0		

■ Specification (Imperial)

Model	Power source	Impact cycle (sec)	Current (average) (A)	Impact energy (lbf·ft)	Impulsive force (ft·lbf/s)	Converts into hammer pound (lb.)	Unit weight (lb)	Overall weight (lb)
EK5A	DIGIOPE EKC200 Input voltage AC200V	1~60	1.3	10.18	23.15	1.0	18.3	23.59
EK5SA				5.24	15.91	0.7		
EK10A			1.8	20.95	47.74	2.0	34.39	42.11
EK10SA				10.18	33.27	1.5		
EK20A			3.4	35.85	86.07	4.0	52.25	63.49
EK20SA				17.85	60.76	3.0		

*The weight includes 5m of cable (1.0kg). *Reinforcing ribs are set on the base assembly.
 *When operates the knocker continuously with impact cycle of 1 second, please do not run more than 1 hour. When continuous operation more than 1 hour is required, please provide cooling time equivalent to the operating time. (Example: Switch-off the knocker for 30 minutes after 30 minutes of operation). If the knocker needs to operate continuously for 1 hour or more, please set the impact cycle for more than 2 seconds.

■ Dimensions (mm)

Model	φA	φC	D	H	I	φJ	φK	L	M	N
EK5A/5SA	92	130	19.5	235.5	24	11	108	9	70	(164)
EK10A/10SA	118	165	22.0	287.5		13	138	10	85	(214.7)
EK20A/20SA	134	190	25.0	321.5		17	160	12	105	(244.6)

■ Dimensions (inch)

Model	φA	φC	D	H	I	φJ	φK	L	M	N
EK5A/5SA	3-5/8	5-1/8	49/64	9-17/64	15/16	7/16	4-1/4	23/64	2-3/4	(6-29/64)
EK10A/10SA	4-1/64	6-1/2	55/64	11-5/16		33/64	5-7/16	25/64	3-11/32	(8-29/64)
EK20A/20SA	5-9/32	7-31/64	63/64	12-21/32		43/64	6-19/64	15/32	4-9/64	(9-5/8)