

# LINEAR IRON CORE MOTORS



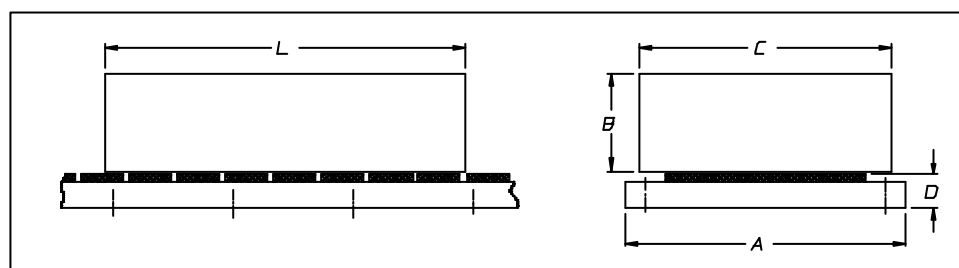
SERIES

# SKA 75HM 600

FORCE

# 600 N

SINEWAVE FORM			TYPE OF WINDING				
			14	15	16	17	18
MOTOR SPEED	Vn drive 3phase 145 V (ac)	[ m/s ]	3	2	1.5	1.1	
	Vn drive 3phase 220 V (ac)	[ m/s ]	4.5	3	2	1.5	1
	Vn drive 3phase 380 V (ac)	[ m/s ]		5	4	3	2
<b>WINDING DATA</b>							
	Poles number	P	21				
	Continuous force	Fn0 [ N ]	600				
	Voltage constant ± 5%	Ke [V/m/s]	50.9	77.8	102.5	136.8	205
	Force constant ± 5%	Kf [N/Amp]	50.9	77.8	102.5	136.8	205
	Rated current	In0 [A]	12	7.7	5.8	4.4	2.9
	Peak force	Fmax [ N ]	1200				
	Peak current	I fmax [A]	24	15.4	11.6	8.8	5.8
	Phase/phase res. ± 10% a 25°C	[Ohm]	3.65	5.8	7.25	9.67	14.51
	Phase/phase inductance	[mH]	35	56.3	70	94	141
	Electrical time constant	[msec]	9.7				
	Temperature range	[°C]	0 ÷ 40				
	Attractive force	[ N ]	5880				
<b>MECHANICAL DATA</b>			<i>Power parts</i>		<i>Complete motor</i>		
	Coil assembly length	L [mm]	461				
	Coil assembly width	C [mm]	95		SEE THE		
	Coil assembly height	B [mm]	53				
	Coil assembly mass	[Kg]	8,9		MECHANICAL		
	Magnet track width	A [mm]	120				
	Magnet track height	D [mm]	16		DRAWINGS		
	Magnet track weight	[ kg/m ]	13				
Type of thermal cut - off			N C : normally closed				
THERMAL PROTECTION	Rated voltage	Vn [ Vac ]	250				
	Rated current	In [ A ]	2.5				
	Operative temperature	Tn [ °C ]	140 °C ± 5%				
	Resetting temperature	Tr [ °C ]	100 °C ± 15°C				
	Operative time	[ ms ]	1				
	Insulation class		F				



DATA SHEET N° 1B3103030100