



Technical data

Ecodesign directive

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Technical data according to the Ecodesign Directive (EU) 2019/1781

The Ecodesign Directive (EU) 2019/1781 stipulates the publication of the following technical data in the fixed sequence 1 to 11.

No.	Motor	5IK150A-BW2			5IK150A-DW2		5IK150A-DW3		5IK150A-TW2 5IK150A-TW2T			
1	Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50/60 Hz operation and 25 °C ambient reference temperature, rounded to one decimal place [%]											
	Rated Voltage U_N [V]	100	110	115	200	220	230	200	220	230		
	Full load	67.1/65.5	69.0	67.2	67.3/64.0	66.3/61.4	65.6/64.0	67.3/71.5	70.3	69.1		
	75%	61.9/58.0	62.8	60.2	62.2/55.5	60.7/53.8	59.5/53.0	64.6/70.0	67.4	65.6		
	50%	50.3/45.8	51.1	48.2	50.9/43.6	49.3/41.4	47.7/41.3	57.5/64.7	60.5	58.1		
2	Efficiency level	IE2						IE3				
3	Manufacturer's name or trade mark, commercial registration number and address	ORIENTAL MOTOR CO., LTD. 4-8-1 Higashi Ueno, Taito-ku, Tokyo, 110-8536, Japan										
4	Product's model identifier	See above										
5	Number of poles	2										
6	The rated power output(s) P_N [kW]	0.15				0.14	0.15					
7	The rated input frequency(s) [Hz]	50/60	60	60	50/60	50/60	50/60	50/60	60	60		
8	The rated voltage(s) [V]	100	110	115	200	220	230	200	220	230		
9	The rated speed(s) [r/min]	2650/3200	3200	3200	2650/3200	2650/3200	2650/3200	2650/3100	3150	3200		
10	Phase	Single-phase						Three-phase				
11	Operating conditions											
	(a) Altitudes above sea-level	1,000 meters or less										
	(b) Minimum and maximum ambient air temperatures including for motors with air cooling	-10 to +50 °C (Non-freezing)	-10 to +40 °C (Non-freezing)	-10 to +50 °C (Non-freezing)	-10 to +40 °C (Non-freezing)	-10 to +50 °C (Non-freezing)	-10 to +40 °C (Non-freezing)	-10 to +50 °C (Non-freezing)	-10 to +40 °C (Non-freezing)			
		Not relevant, since motors are not liquid-cooled										
	(c) Water coolant temperature at the inlet to the product, where applicable	Not relevant, since motors are not liquid-cooled										
(d) Maximum operating temperature	Thermal Class: 130(B)											
(e) Potentially explosive atmospheres	Operation in potentially explosive areas prohibited											