HITACHI

MANUFACTURER'S TEST REPORT OF INDUCTION MOTOR

MESSRS		ORDER No	

SPECIFICATION FOR MOTOR

OUT PUT(HP)	1/2	POLES	4	TYPE-FORM	EFOUP-KR
FREQUENCY(Hz)	50	VOLTAGE(V)	220	CURRENT(A)	3.8
PHASES	1	RATING	S1	INSULATION	E
STANDARD	JEC-2137-2000	SECONDARY VOLTAGE(V)	——	SECONDARY CURRENT(A)	——
COOLING	——	PROTECTION	IP22	SPEED (min^{-1})	1430

MFG No	FREQUENCY (Hz)	NO-LOAD TEST			LOCKED ROTOR TEST		
		VOLTAGE(V)	CURRENT(A)	INPUT(W)	VOLTAGE(V)	CURRENT(A)	INPUT(W)
	50	220	2.93	160.0	–	–	–

(3)WINDINGS RESISTANCE (BETWEEN LINES) STATOR 75℃ M.COIL 6.99579(Ω)

A.COIL 7.93410(Ω)

(4)LOAD CHARACTERISTICS

LOAD(%)	CURRENT(A)	EFFICIENCY(%)	POWERFACTOR(%)	SLIP(%)
25	2.91	44.1	35.4	1.2
50	3.03	60.2	49.8	2.3
75	3.28	65.6	63.3	3.6
100	3.71	66.2	73.9	5.4
125	4.45	62.7	81.5	8.0
150	5.68	55.5	86.5	11.8

(5)MAXIMUM OUTPUT(%) STARTING CURRENT(A) STARTING TORQUE(%)

—— 13.5 169

(6)TEMPERATURE RISE TEST (R):RESISTANCE METHOD

STATOR WINDINGS(K)	AUX.COIL WINDINGS(K)	FRAME(K)
61.5 (R)	52.5	46.5

(7)INSULATION RESISTANCE BY 500V MEGGER 100MΩ

(8)WITHSTAND VOLTAGE TEST STATOR WINDINGS TO CORE 1500V 1MIN WITHSTOOD

ROTOR WINDINGS TO CORE —— V 1MIN WITHSTOOD

(9)CONSTRUCTION, DIMENSION, PAINTING, OTHER PARTS SATISFACTORY

HITACHI INDUSTRIAL TECHNOLOGY (THAILAND) LTD.	CHECKED BY	M.KAMIZONO
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