

HITACHI

MANUFACTURER'S TEST REPORT OF INDUCTION MOTOR

MESSRS		ORDER No	
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SPECIFICATION FOR MOTOR

OUT PUT(HP)	40	POLES	6	TYPE-FORM	VTFO-KK
FREQUENCY(HZ)	50/50	VOLTAGE(V)	380/415	CURRENT(A)	60.5/61.0
PHASES	3	RATING	S1	INSULATION	F
STANDARD	JEC-2137-2000	SECONDARY VOLTAGE(V)	—	SECONDARY CURRENT(A)	—
COOLING	IC411	PROTECTION	IP55	SPEED(min ⁻¹)	965/970

MFG No	FREQUENCY (HZ)	(1)NO-LOAD TEST			(2)LOCKED ROTOR TEST		
		VOLTAGE(V)	CURRENT(A)	INPUT(W)	VOLTAGE(V)	CURRENT(A)	INPUT(W)
	50	380	24.73	1040.0	75.0	60.0	3125.0
	50	415	33.20	1400.0	75.0	60.0	3125.0

(3)WINDINGS RESISTANCE (BETWEEN LINES) STATOR 115°C 0.29524 (Ω)

(4)LOAD CHARACTERISTICS

LOAD(%)	CURRENT(A)	EFFICIENCY(%)	POWER FACTOR(%)	SLIP(%)
25	28.13/35.44	86.1/82.3	47.1/35.7	0.4/0.3
50	36.24/41.28	90.7/88.7	69.4/56.8	0.8/0.7
75	47.14/49.74	91.3/90.3	79.4/69.5	1.2/1.0
100	59.91/60.10	90.8/90.5	83.8/76.6	1.6/1.4
125	74.35/71.99	89.7/89.9	85.4/80.4	2.1/1.8

(5)MAXIMUM OUT PUT(%) STARTING CURRENT(A) STARTING TORQUE(%)

226/265 380/421 226/277

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

STATOR WINDINGS(K)	FRAME(K)	ROTOR WINDINGS(K)
61.0/61.0 (R)	39.5/39.5	—

(7)INSULATION RESISTANCE BY 500V MEGGER

100MΩ

(8)WITHSTAND STATOR WINDINGS TO CORE 1900V 1MIN WITHSTOOD
 VOLTAGE TEST ROTOR WINDINGS TO CORE — V 1MIN WITHSTOOD

(9)CONSTRUCTION, DIMENSION, PAINTING, OTHER PARTS

SATISFACTORY

HITACHI INDUSTRIAL TECHNOLOGY (THAILAND) LTD.	CHECKED BY	T.SHIMOZONO
	DATE	09-Jun-2015

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