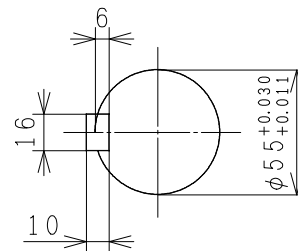
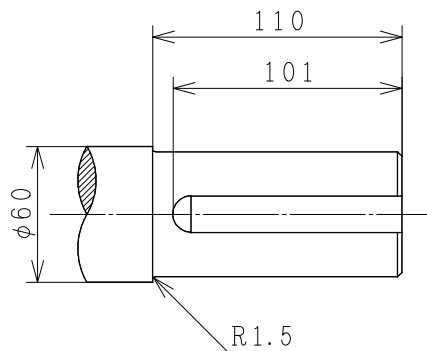
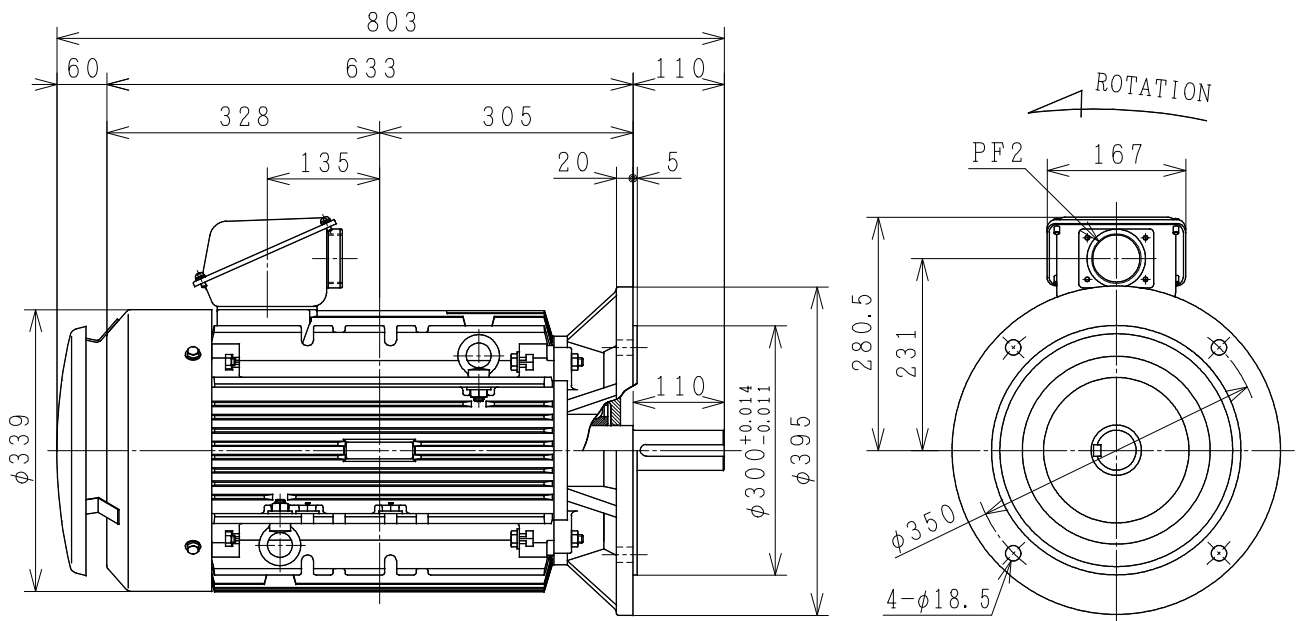


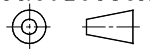
THREE-PHASE INDUCTION MOTOR

OUTPUT	TYPE	FORM	RATING	VOLTAGE (V)	FREQ. (Hz)	SYNC. SPEED (min ⁻¹)	POLES	INS. CLASS	MASS (kg)
40 HP	VTFO	KK	S1	380/415	50	3000	2	F	140
40 HP	VTFO	KK	S1	380/415	50	1500	4	F	165
25 HP	VTFO	KK	S1	380/415	50	1000	6	F	160
30 HP	VTFO	KK	S1	380/415	50	1000	6	F	170



PROTECTION: IP55

PROJECTION



CUSTOMER			QTY.	ORDER No.	WORK No.	REV.
DWN.	D. Theeranan	23-Jun-2015	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <h2 style="margin: 0;">DIMENSIONS</h2> <p style="font-size: small; margin: 0;">FRAME SIZE VTFOD-FF350 (180L)</p> </div> <div style="text-align: center;"> <p style="font-size: x-small; margin: 0;">Hitachi Industrial Technology (Thailand), Ltd.</p> </div> <div style="text-align: center;"> <p style="margin: 0;">HITT WORKS DWG. No.</p> <h1 style="margin: 0;">4HTD03123</h1> </div> </div>			SH.
CHKD.	T. Shimozono	S				
APPD.	T. Shimozono					

HITACHI

MANUFACTURER'S TEST REPORT OF INDUCTION MOTOR

MESSRS		ORDER No	
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SPECIFICATION FOR MOTOR

OUT PUT(HP)	40	POLES	2	TYPE-FORM	VTFO-KK
FREQUENCY(HZ)	50/50	VOLTAGE(V)	380/415	CURRENT(A)	55/54
PHASES	3	RATING	S1	INSULATION	F
STANDARD	JEC-2137-2000	SECONDARY VOLTAGE(V)	—	SECONDARY CURRENT(A)	—
COOLING	IC411	PROTECTION	IP55	SPEED(min ⁻¹)	2920/2930

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	14.22	1400.0	71.0	60.0	3250.0
	50	415	22.32	1700.0	71.0	60.0	3250.0

(3)WINDINGS RESISTANCE (BETWEEN LINES) STATOR 115°C 0.29328(Ω)

(4)LOAD CHARACTERISTICS

LOAD(%)	CURRENT(A)	EFFICIENCY(%)	POWER FACTOR(%)	SLIP(%)
25	19.85/25.79	82.9/80.1	69.2/50.4	0.5/0.4
50	30.03/33.20	88.8/87.4	85.5/71.8	1.0/0.9
75	42.03/42.86	89.9/89.3	90.5/81.6	1.6/1.3
100	55.19/53.92	89.7/89.6	92.1/86.2	2.2/1.8
125	69.53/66.09	88.8/89.2	92.3/88.3	2.8/2.4

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

257/302 384.0/420.5 243/292

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

STATOR WINDINGS(K)	FRAME(K)	ROTOR WINDINGS(K)
82.5/79.0 (R)	39.0/37.5	—

(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	8-JUN-2015

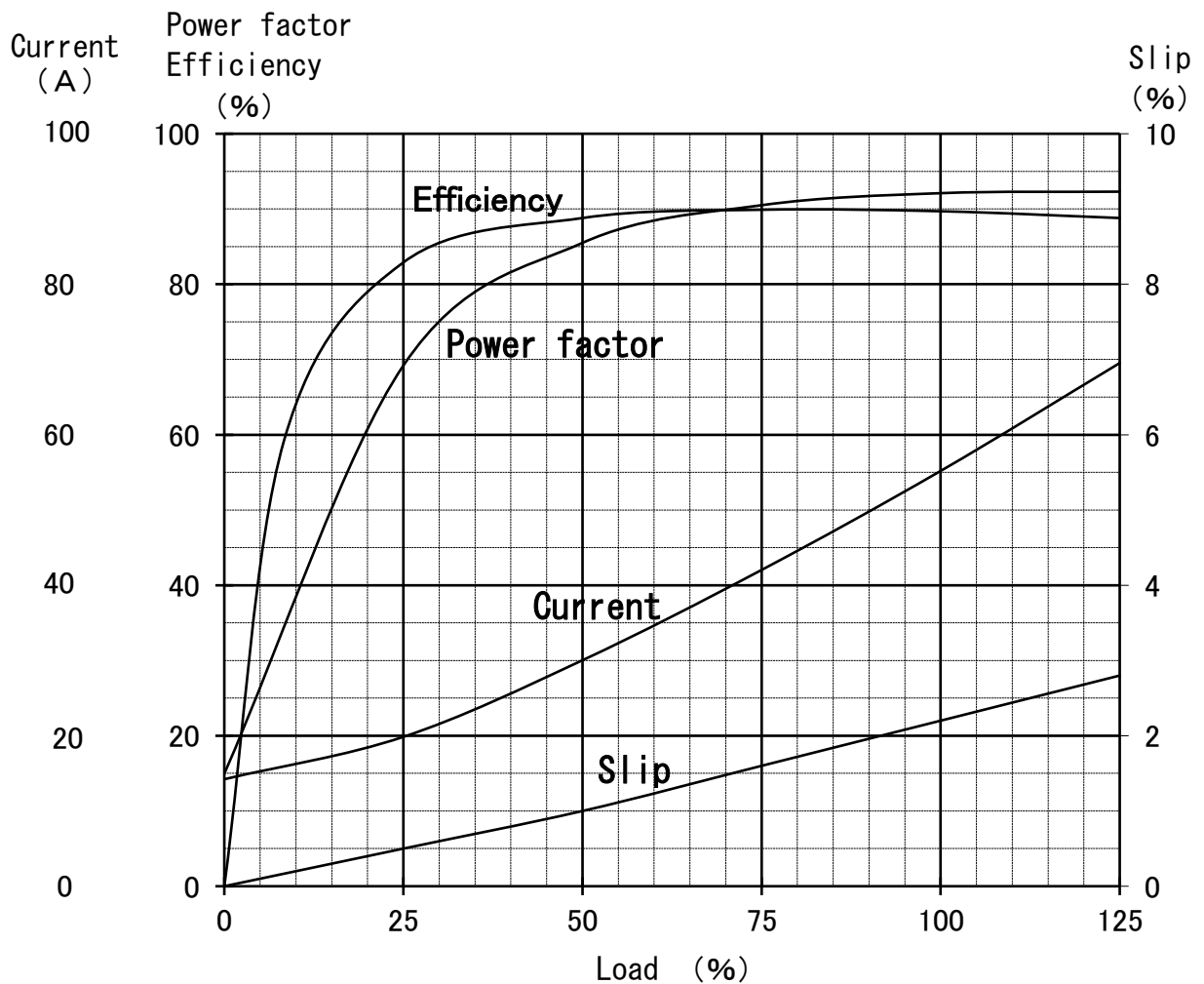
REP.No. RP10079

Three Phase Induction Motor Characteristic Curve

Hitachi Industrial Technology(Thailand),Ltd

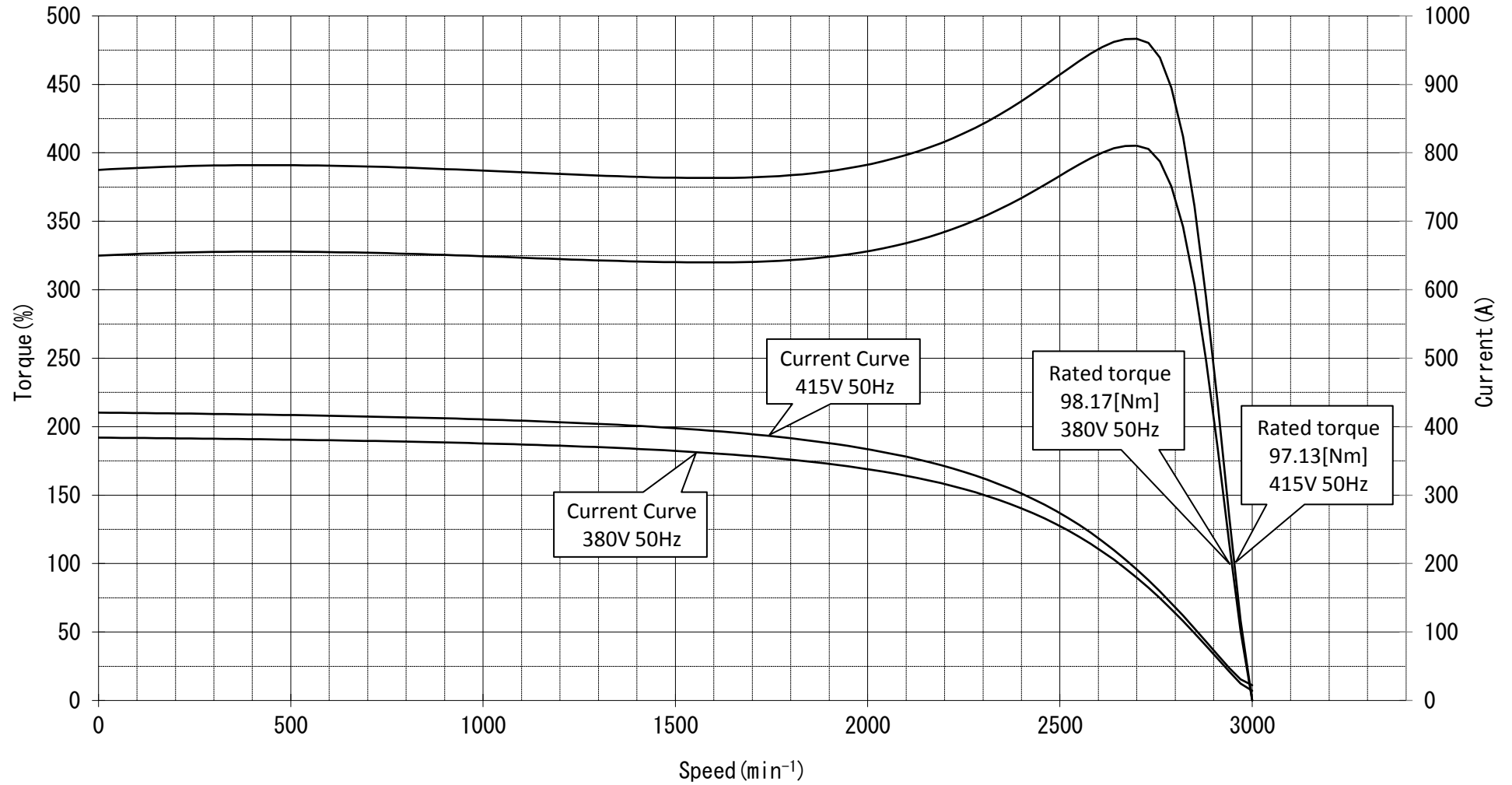
Power (HP)	40
Pole	2
Type-Form	TFO-KK, VTFO-KK
Voltage (V)	380
Frequency (Hz)	50
Protection	IP44, IP55

Load (%)	0	25	50	75	100	125
Current(A)	14.22	19.85	30.03	42.03	55.19	69.53
Efficiency(%)	0	82.9	88.8	89.9	89.7	88.8
Power factor(%)	15.0	69.2	85.5	90.5	92.1	92.3
Slip (%)	0	0.5	1.0	1.6	2.2	2.8



Speed-Torque, Current Curve

40HP (V) TF0-KK 2P
380/415V 50Hz
IP44/IP55



RP10040