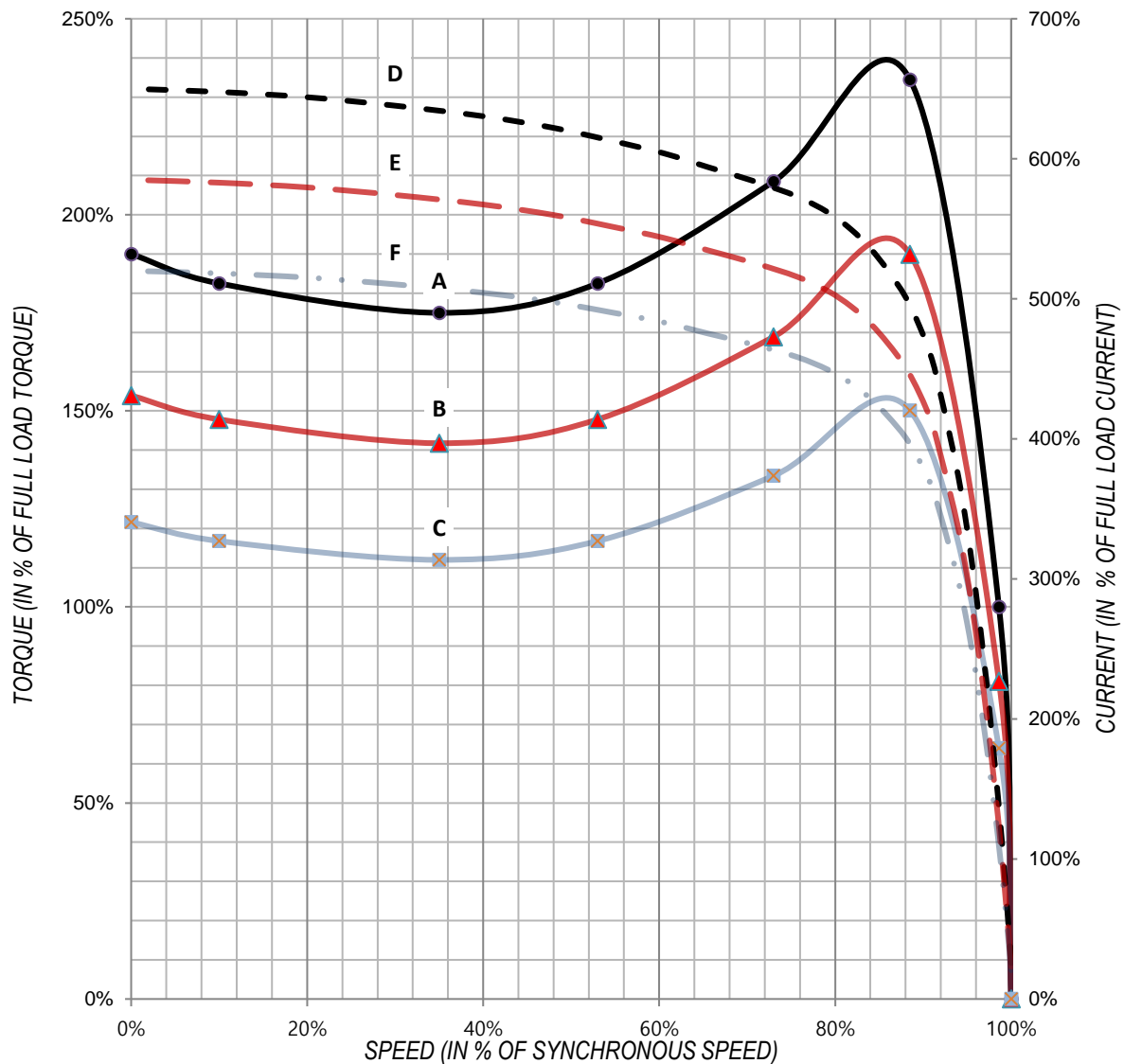


SPEED - TORQUE & CURRENT CURVE

Curve No.

1ST_D1ML5438

OUTPUT	37 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	20.3 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	190 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1775 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	1.427 kg·m ²

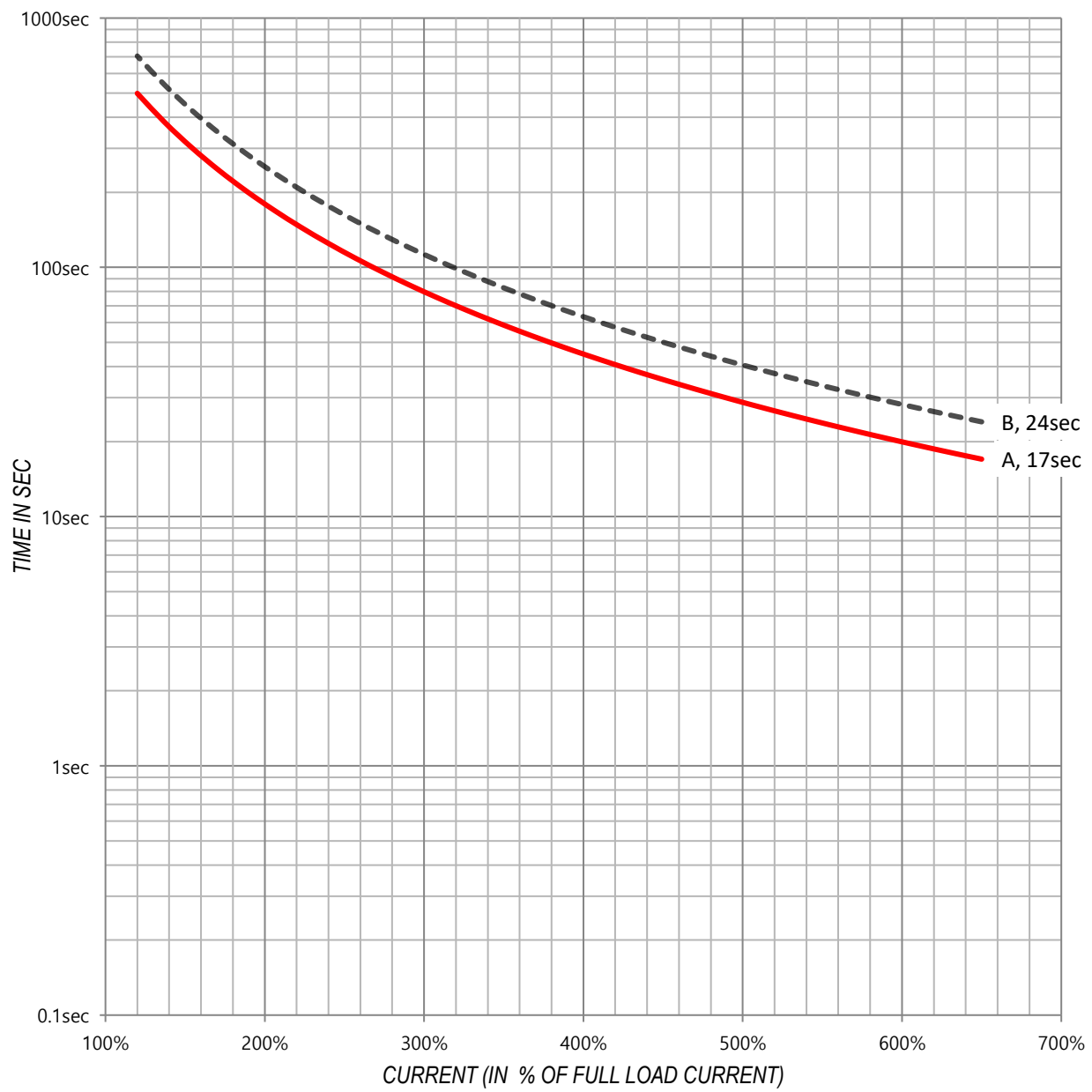


NOTE

- A : SPEED-TORQUE CURVE AT 100% RATED VOLTAGE
- ▲— B : SPEED-TORQUE CURVE AT 90% RATED VOLTAGE
- C : SPEED-TORQUE CURVE AT 80% RATED VOLTAGE
- - - D : SPEED-CURRENT CURVE AT 100% RATED VOLTAGE
- - - E : SPEED-CURRENT CURVE AT 90% RATED VOLTAGE
- · - F : SPEED-CURRENT CURVE AT 80% RATED VOLTAGE

	THERMAL LIMIT & TIME - CURRENT CURVE			Curve No.	
				1TL_D1ML5438	

OUTPUT	37 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	20.3 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	190 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1775 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	1.427 kg·m ²



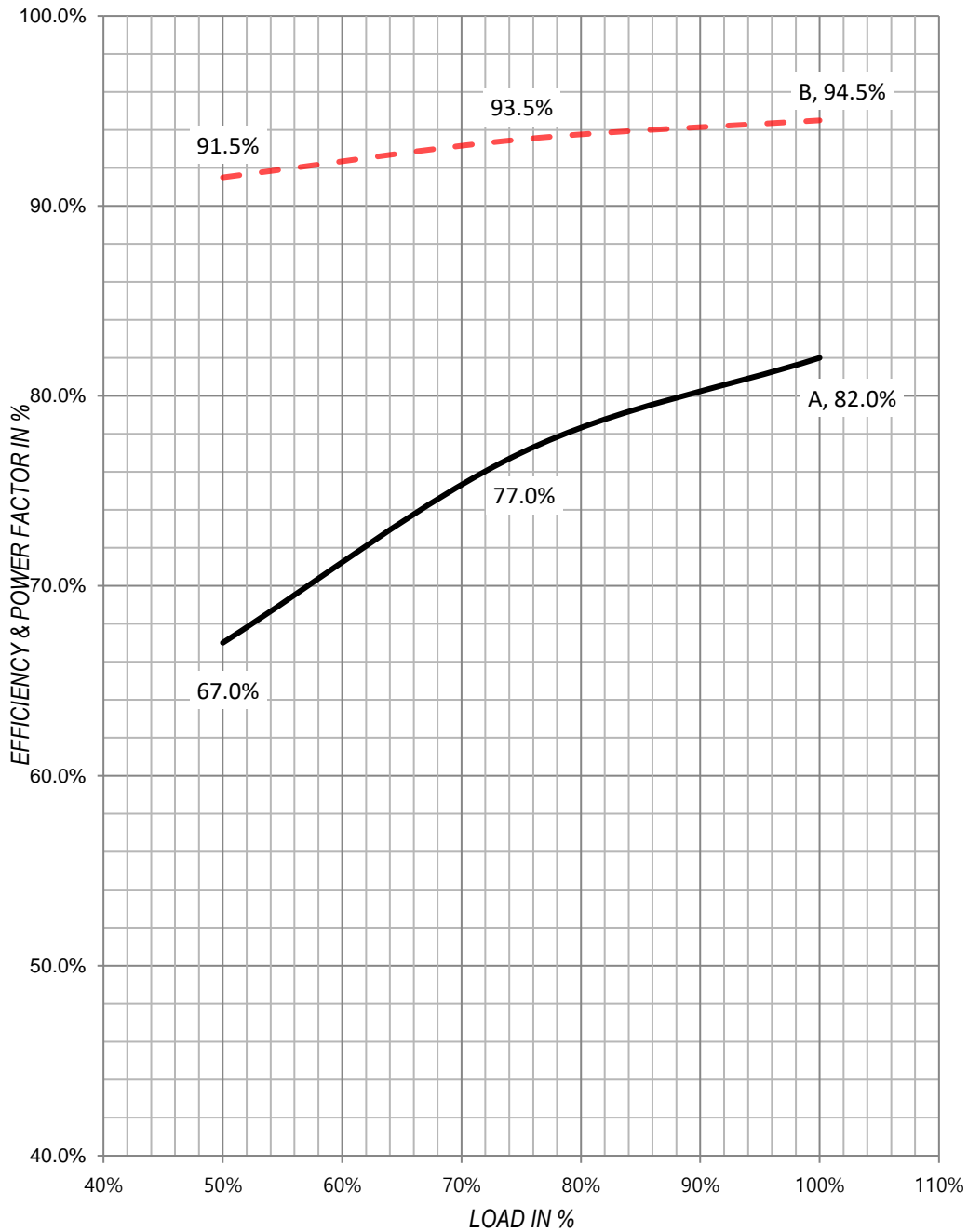
- NOTE**
- A : THERMAL LIMIT CURVE AT HOT CONDITION
 - - - B : THERMAL LIMIT CURVE AT COLD CONDITION
 - · — C ※TIME-CURRENT CURVES(C,D,E) NEED BELOW DATA TO BE DRAWN
 - · - D * LOAD GD² AT MOTOR SHAFT
 - · · E * SPEED-TORQUE CURVE OF LOAD

LOAD - POWER FACTOR & EFFICIENCY CURVE

Curve No.

1PE_D1ML5438

OUTPUT	37 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	20.3 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	190 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1775 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	1.427 kg·m ²



NOTE

- A : LOAD - POWER FACTOR CURVE
- B : LOAD - EFFICIENCY CURVE