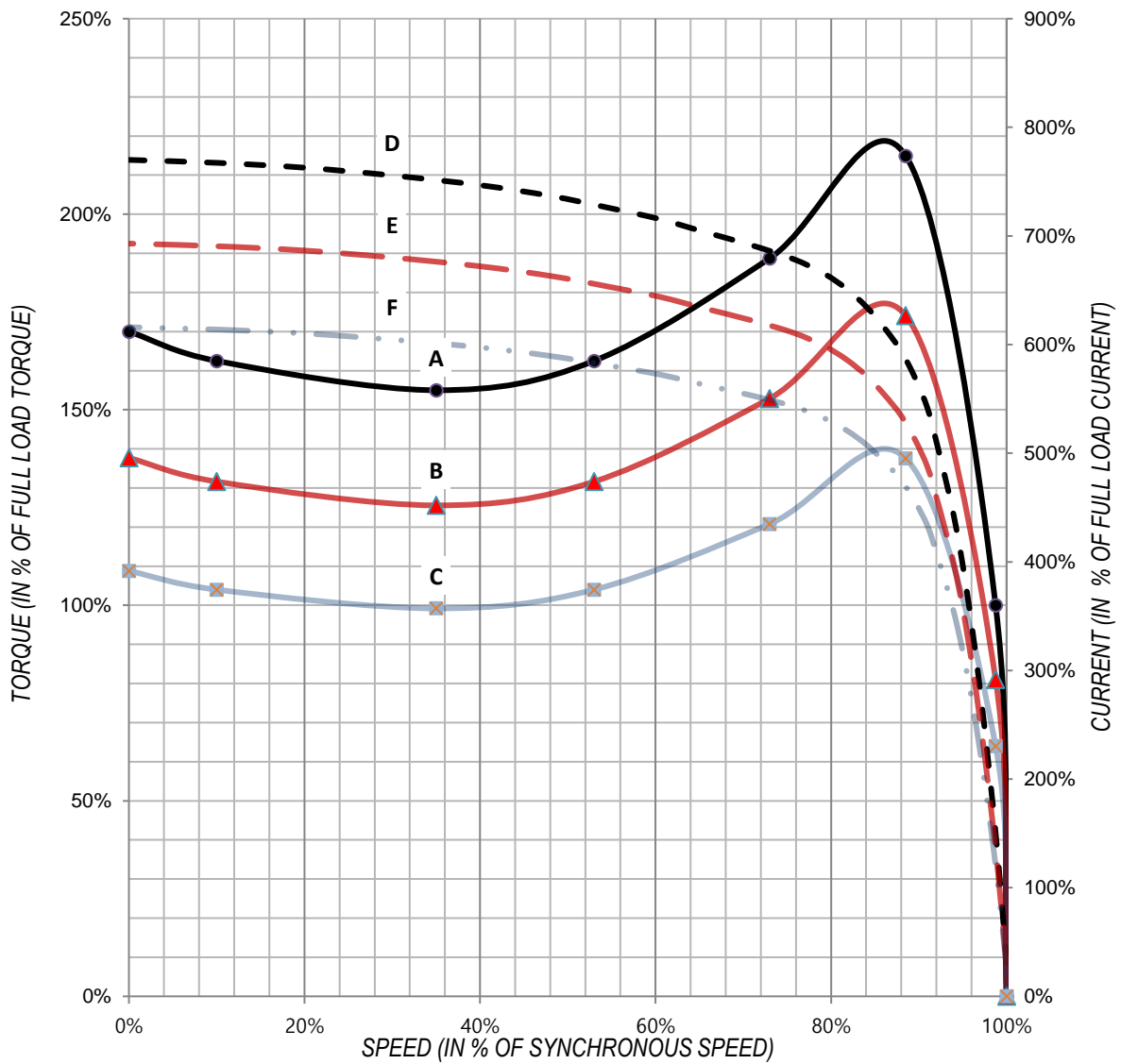


SPEED - TORQUE & CURRENT CURVE

Curve No.

1ST_D1ML20211

OUTPUT	37 kW	POLES	2 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	10.1 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	170 %	LOCKED-ROTOR CURRENT	770 %
BREAKDOWN TORQUE	220 %	SPEED (at FULL LOAD)	3555 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	0.792 kg·m ²



NOTE

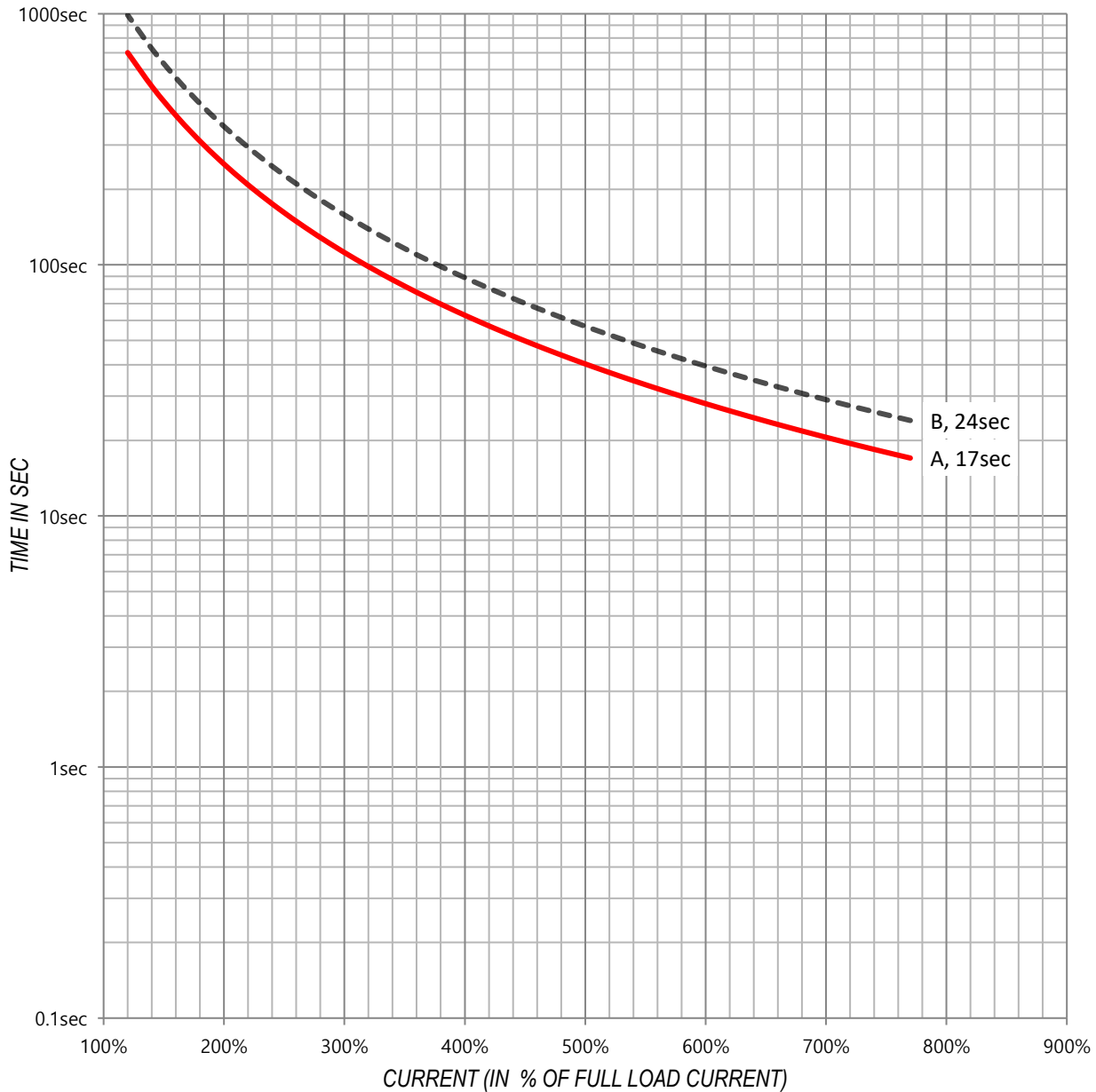
- A : SPEED-TORQUE CURVE AT 100% RATED VOLTAGE
- ▲— B : SPEED-TORQUE CURVE AT 90% RATED VOLTAGE
- C : SPEED-TORQUE CURVE AT 80% RATED VOLTAGE
- - - D : SPEED-CURRENT CURVE AT 100% RATED VOLTAGE
- - - E : SPEED-CURRENT CURVE AT 90% RATED VOLTAGE
- · · F : SPEED-CURRENT CURVE AT 80% RATED VOLTAGE

THERMAL LIMIT & TIME - CURRENT CURVE

Curve No.

1TL_D1ML20211

OUTPUT	37 kW	POLES	2 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	10.1 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	170 %	LOCKED-ROTOR CURRENT	770 %
BREAKDOWN TORQUE	220 %	SPEED (at FULL LOAD)	3555 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	0.792 kg·m ²



NOTE

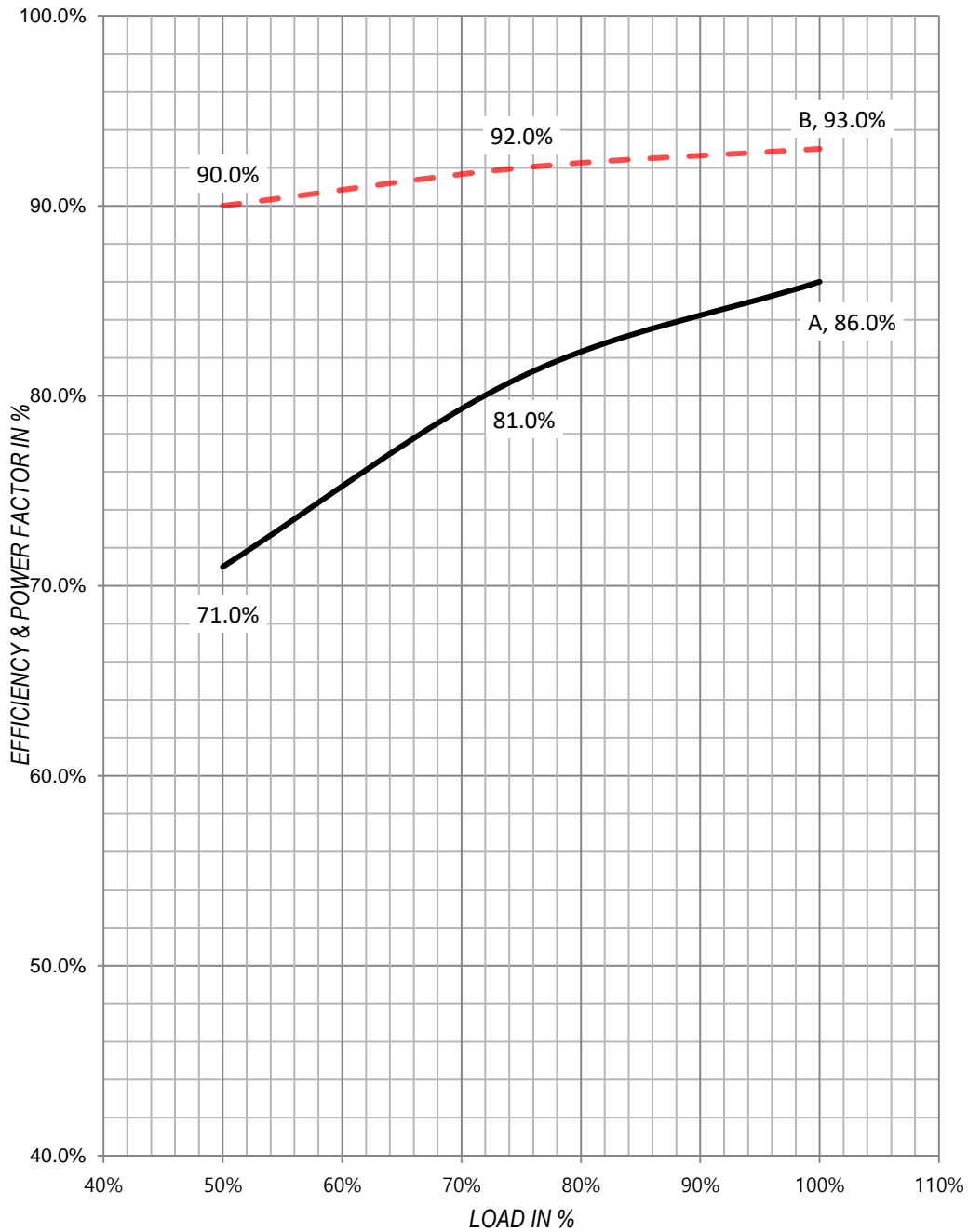
- A : THERMAL LIMIT CURVE AT HOT CONDITION
- - - B : THERMAL LIMIT CURVE AT COLD CONDITION
- · — C ※TIME-CURRENT CURVES(C,D,E) NEED BELOW DATA TO BE DRAWN
- · - D * LOAD GD² AT MOTOR SHAFT
- · · E * SPEED-TORQUE CURVE OF LOAD

LOAD - POWER FACTOR & EFFICIENCY CURVE

Curve No.

1PE_D1ML20211

OUTPUT	37 kW	POLES	2 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	10.1 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	170 %	LOCKED-ROTOR CURRENT	770 %
BREAKDOWN TORQUE	220 %	SPEED (at FULL LOAD)	3555 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	0.792 kg·m ²



NOTE

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