

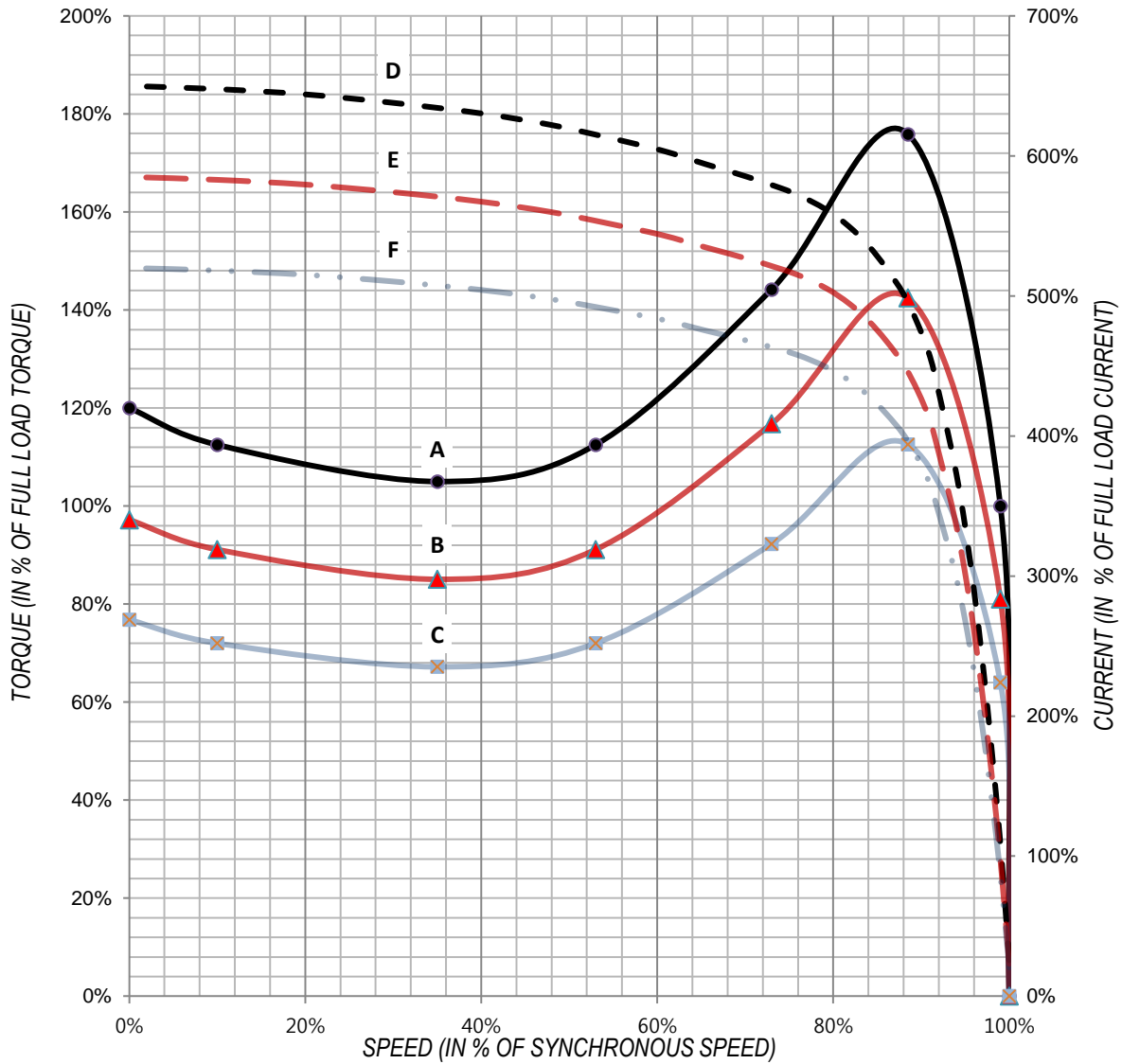


SPEED - TORQUE & CURRENT CURVE

Curve No.

1ST_D1ML10123

OUTPUT	45 kW	POLES	6 P
VOLTAGE	V	FREQUENCY	50 Hz
FULL LOAD TORQUE	44.3 kg·m	FULL LOAD CURRENT	A
LOCKED ROTOR TORQUE	120 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	180 %	SPEED (at FULL LOAD)	990 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	12.042 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

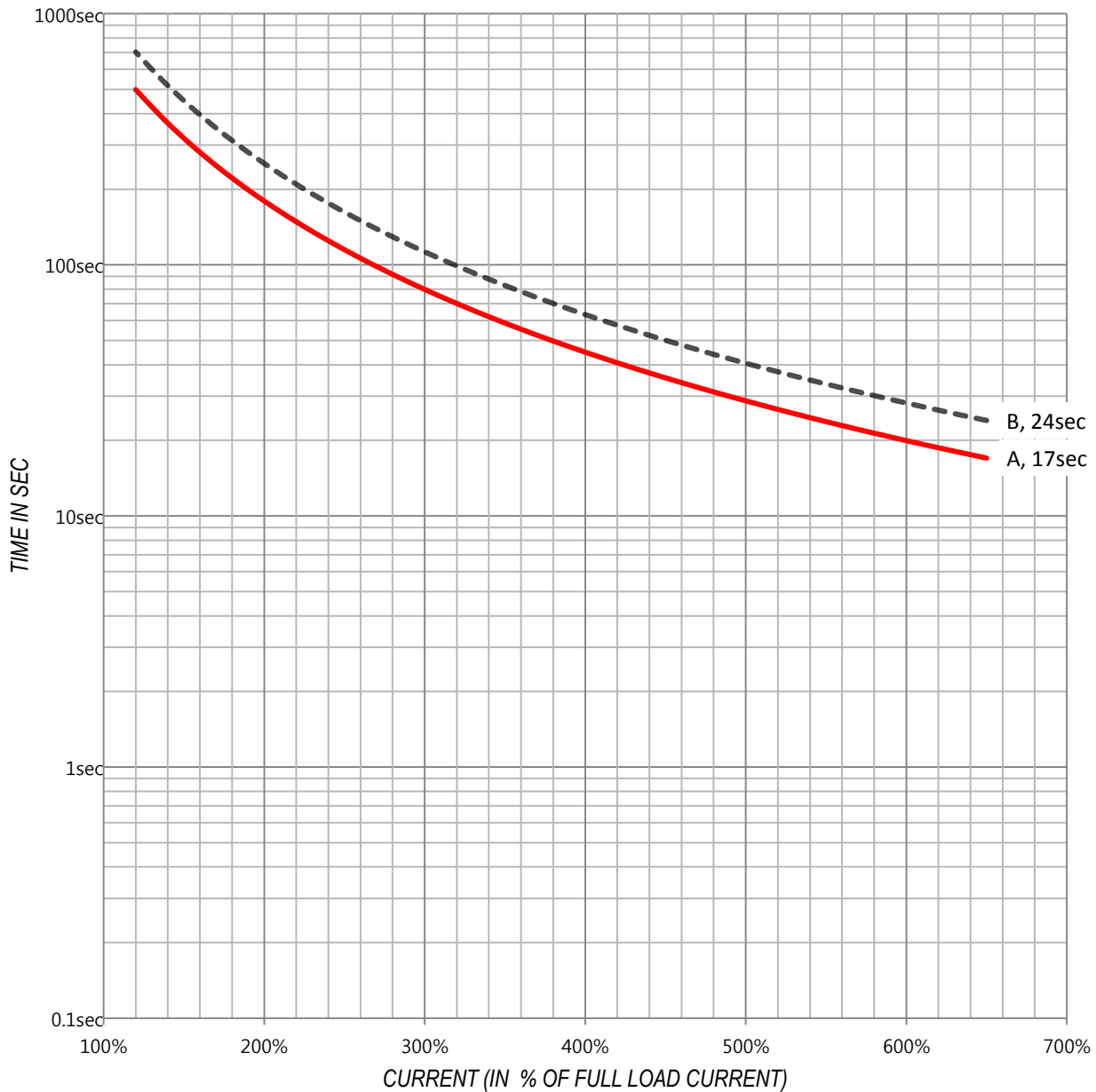


THERMAL LIMIT & TIME - CURRENT CURVE

Curve No.

1TL_D1ML10123

OUTPUT	45 kW	POLES	6 P
VOLTAGE	V	FREQUENCY	50 Hz
FULL LOAD TORQUE	44.3 kg·m	FULL LOAD CURRENT	A
LOCKED ROTOR TORQUE	120 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	180 %	SPEED (at FULL LOAD)	990 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	12.042 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

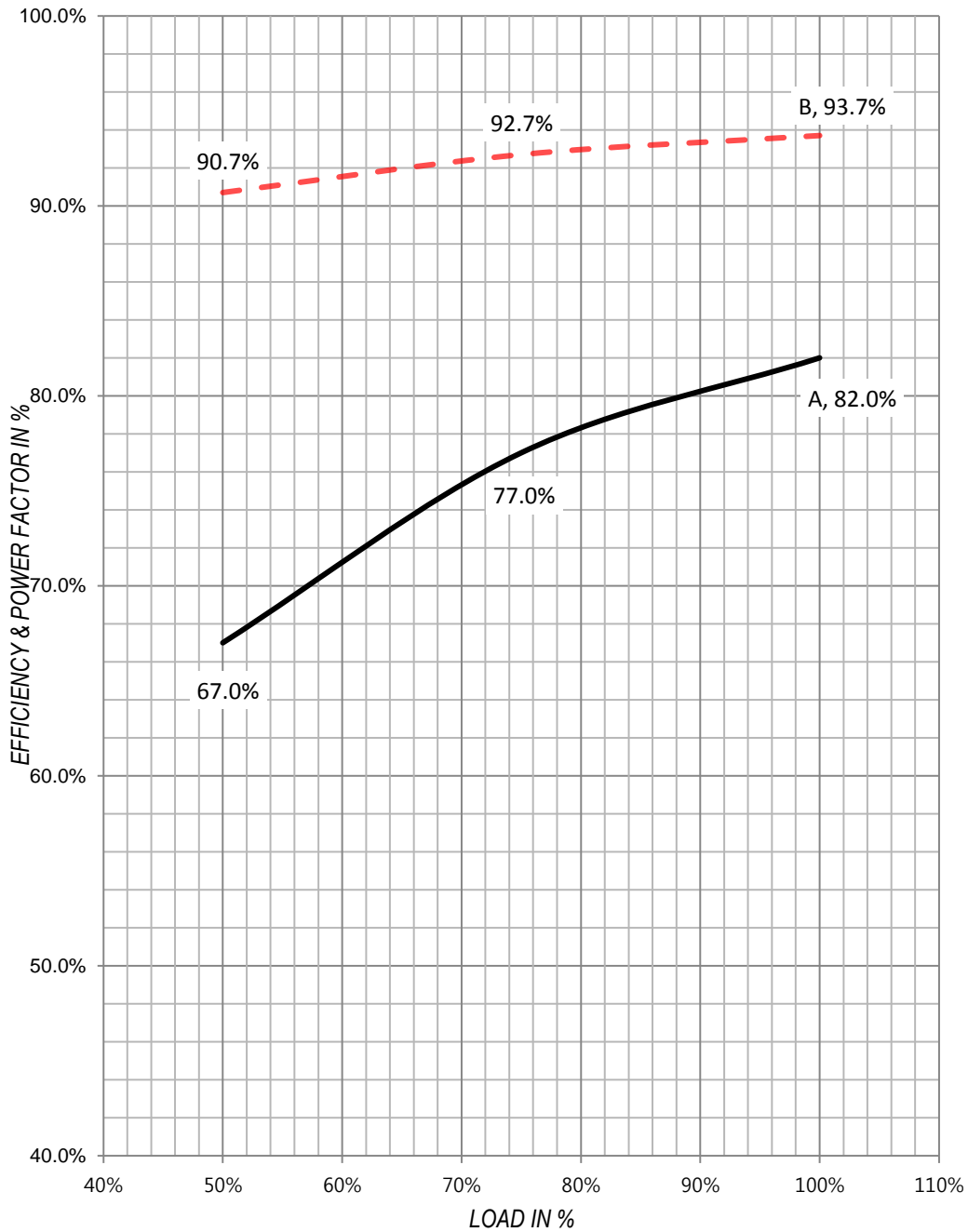


LOAD - POWER FACTOR & EFFICIENCY CURVE

Curve No.

1PE_D1ML10123

OUTPUT	45 kW	POLES	6 P
VOLTAGE	V	FREQUENCY	50 Hz
FULL LOAD TORQUE	44.3 kg·m	FULL LOAD CURRENT	A
LOCKED ROTOR TORQUE	120 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	180 %	SPEED (at FULL LOAD)	990 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	12.042 kg·m ²



NOTE

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