

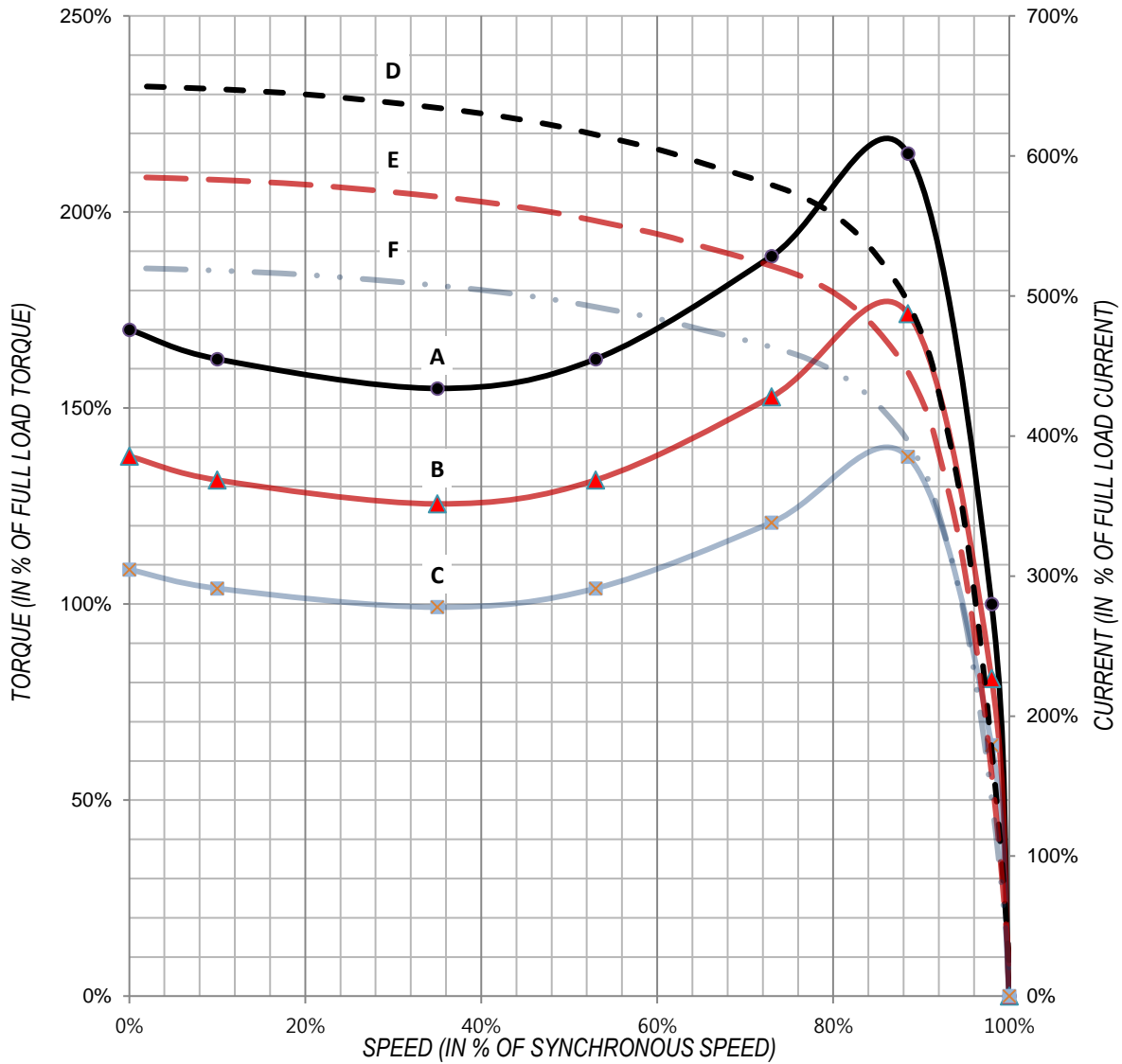


## SPEED - TORQUE & CURRENT CURVE

Curve No.

1ST\_DSML20844H

OUTPUT	11 kW	POLES	6 P
VOLTAGE	V	FREQUENCY	50 Hz
FULL LOAD TORQUE	10.9 kg·m	FULL LOAD CURRENT	A
LOCKED ROTOR TORQUE	170 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	220 %	SPEED (at FULL LOAD)	980 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.524 kg·m <sup>2</sup>



**NOTE**

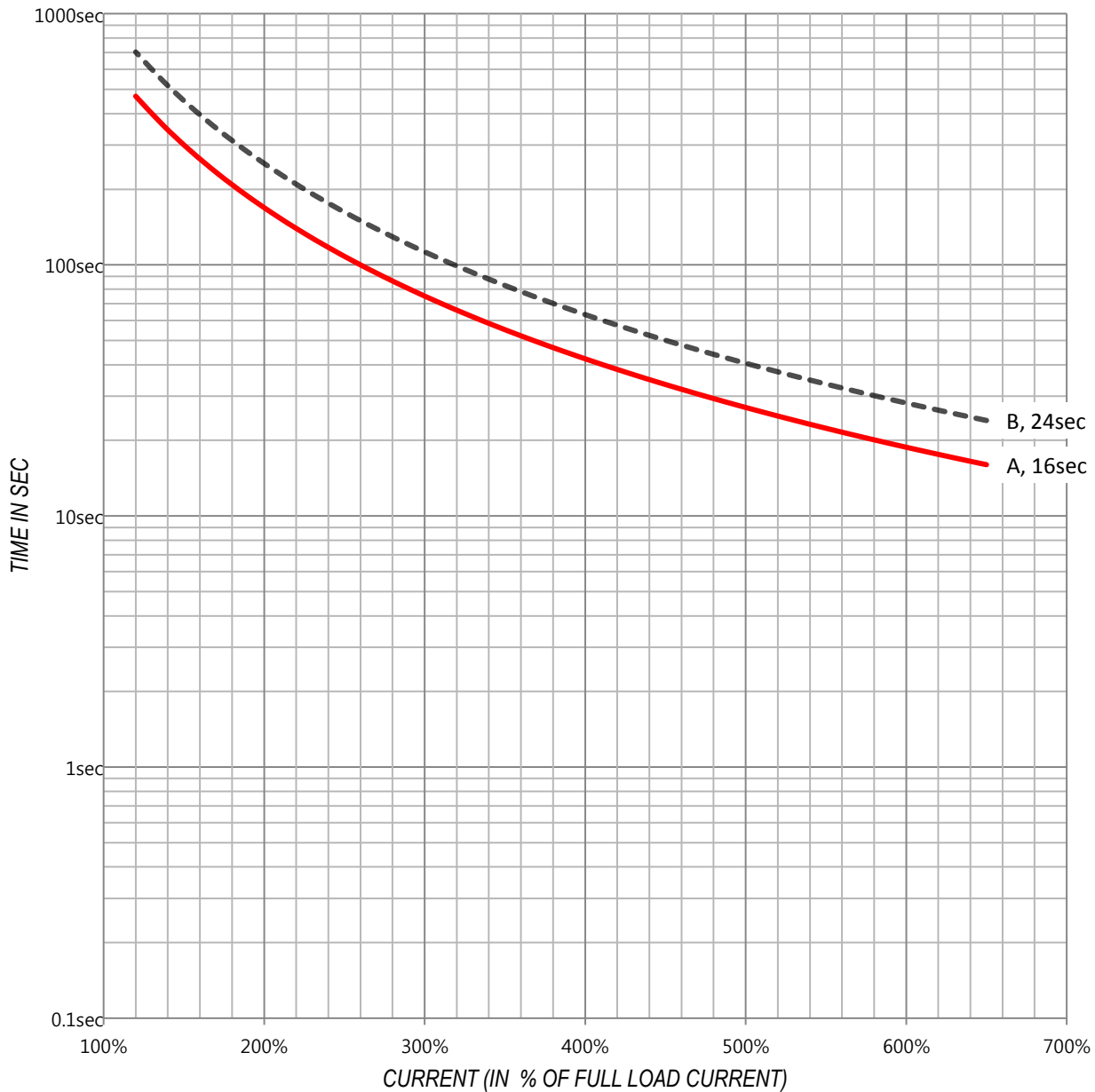
- A : SPEED-TORQUE CURVE AT 100% RATED VOLTAGE
- ▲— B : SPEED-TORQUE CURVE AT 90% RATED VOLTAGE
- C : SPEED-TORQUE CURVE AT 80% RATED VOLTAGE
- - - D : SPEED-CURRENT CURVE AT 100% RATED VOLTAGE
- - - E : SPEED-CURRENT CURVE AT 90% RATED VOLTAGE
- · - F : SPEED-CURRENT CURVE AT 80% RATED VOLTAGE



## THERMAL LIMIT & TIME - CURRENT CURVE

**Curve No.**  
1TL\_DSML20844H

OUTPUT	11 kW	POLES	6 P
VOLTAGE	V	FREQUENCY	50 Hz
FULL LOAD TORQUE	10.9 kg·m	FULL LOAD CURRENT	A
LOCKED ROTOR TORQUE	170 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	220 %	SPEED (at FULL LOAD)	980 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.524 kg·m <sup>2</sup>



**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 GD<sup>2</sup> AT MOTOR SHAFT
- · - E \* SPEED-TORQUE CURVE OF LOAD

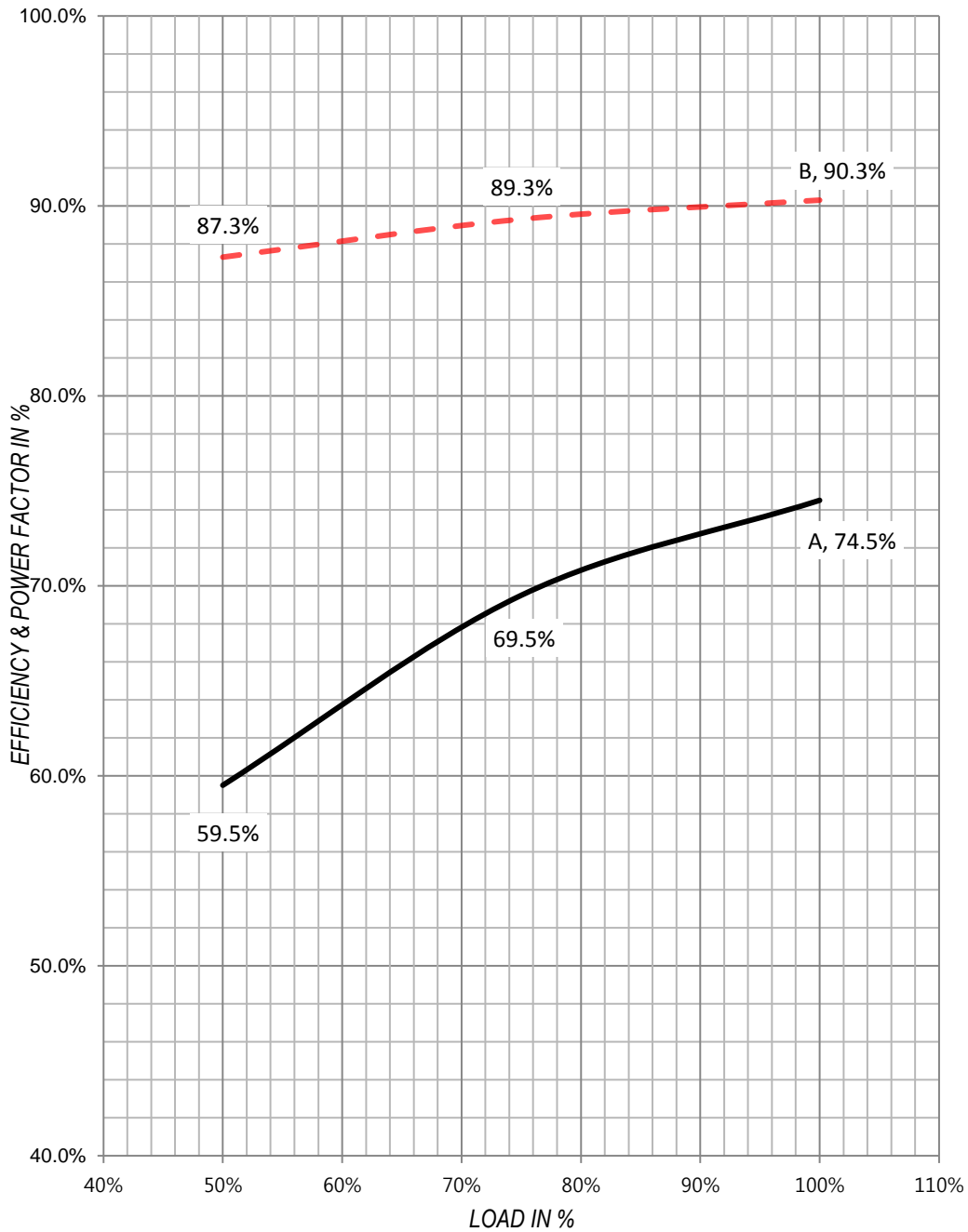


### LOAD - POWER FACTOR & EFFICIENCY CURVE

Curve No.

1PE\_DSML20844H

OUTPUT	11 kW	POLES	6 P
VOLTAGE	V	FREQUENCY	50 Hz
FULL LOAD TORQUE	10.9 kg·m	FULL LOAD CURRENT	A
LOCKED ROTOR TORQUE	170 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	220 %	SPEED (at FULL LOAD)	980 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.524 kg·m <sup>2</sup>



NOTE

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