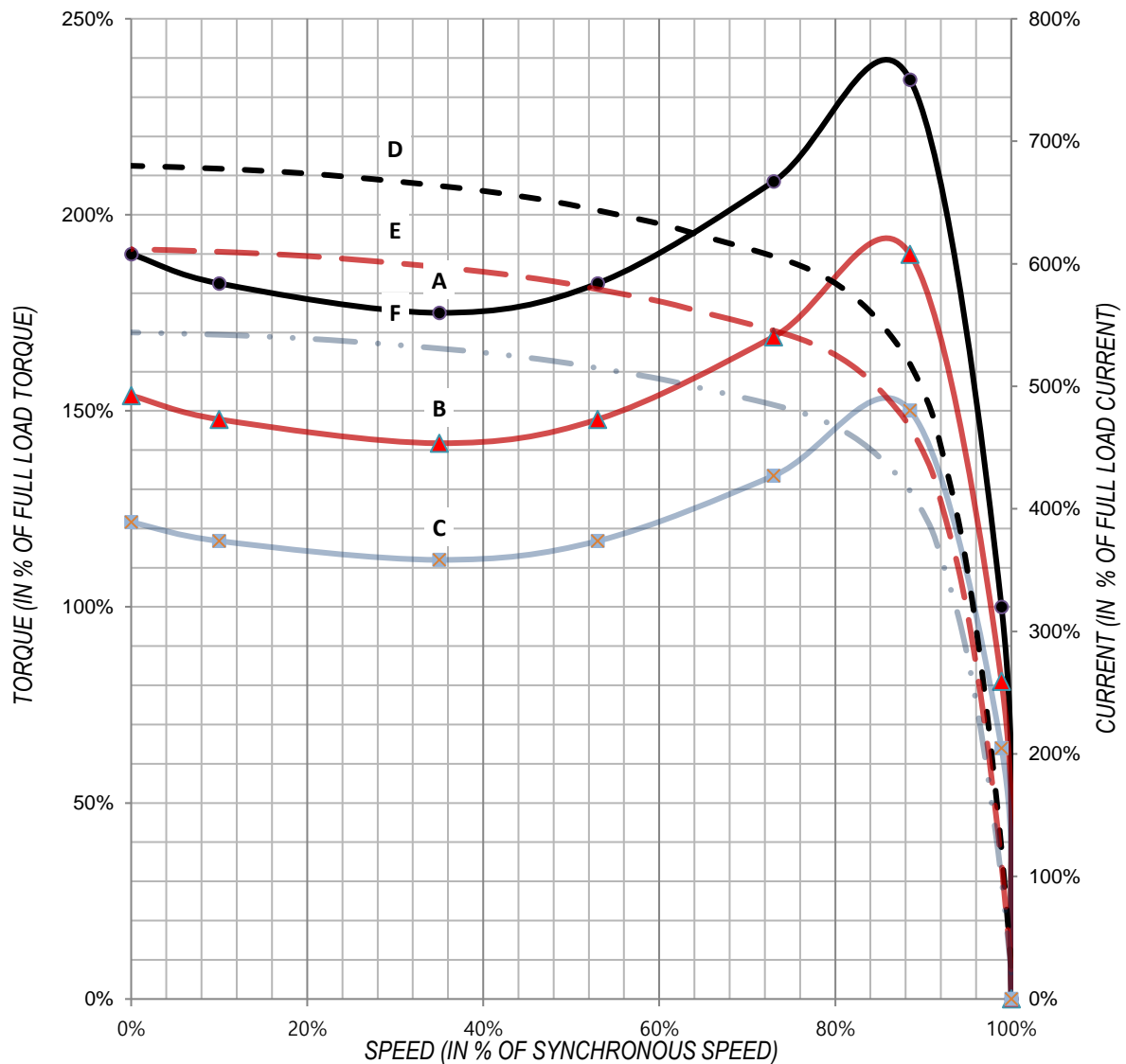


**SPEED - TORQUE & CURRENT CURVE**

**Curve No.**

1ST\_DSML21855M

OUTPUT	18.5 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	10.1 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	190 %	LOCKED-ROTOR CURRENT	680 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1780 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.874 kg·m <sup>2</sup>

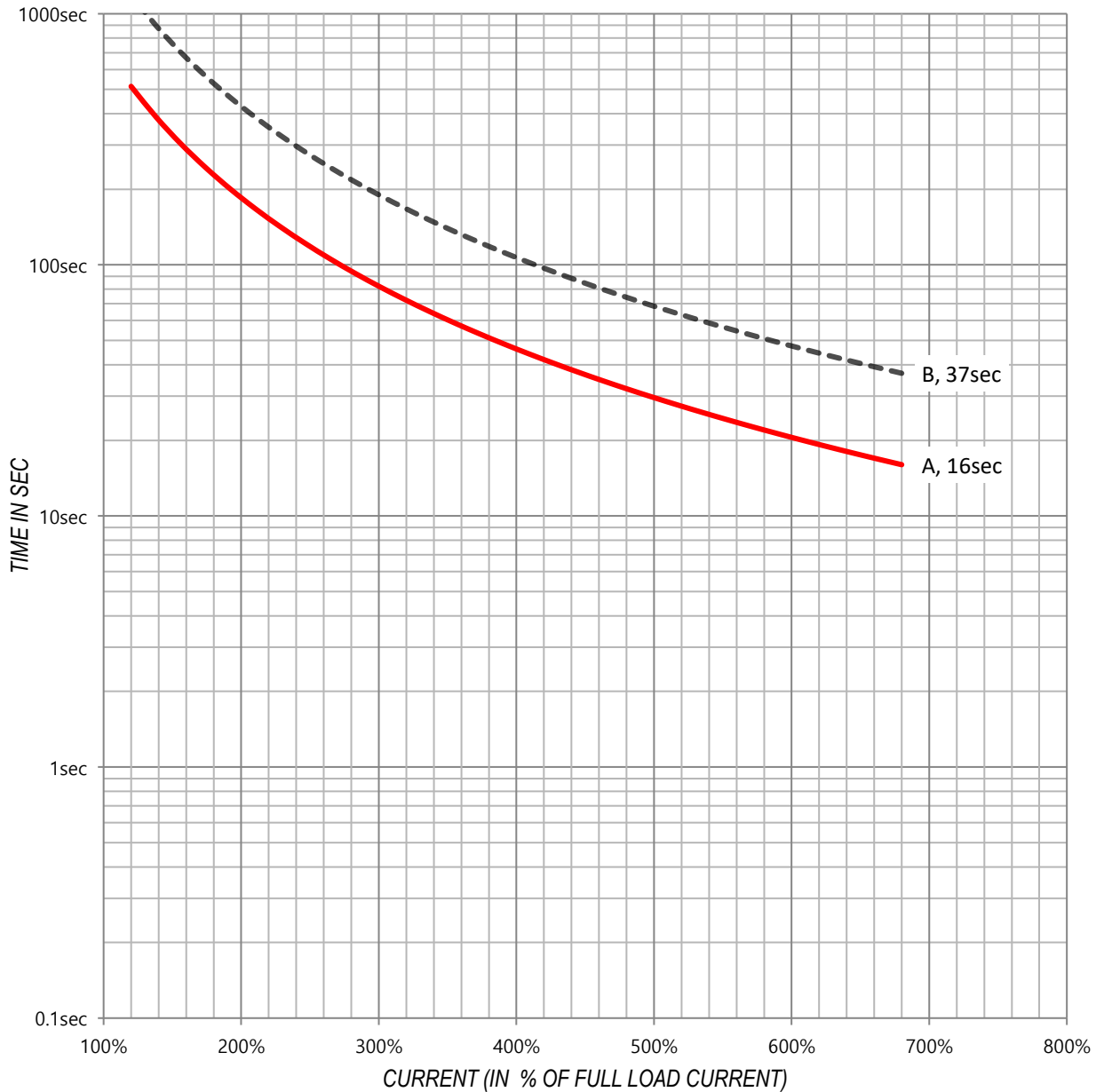


**NOTE**

- 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

	<b>THERMAL LIMIT &amp; TIME - CURRENT CURVE</b>			<b>Curve No.</b>	
				1TL_DSML21855M	

OUTPUT	18.5 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	10.1 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	190 %	LOCKED-ROTOR CURRENT	680 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1780 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.874 kg·m <sup>2</sup>

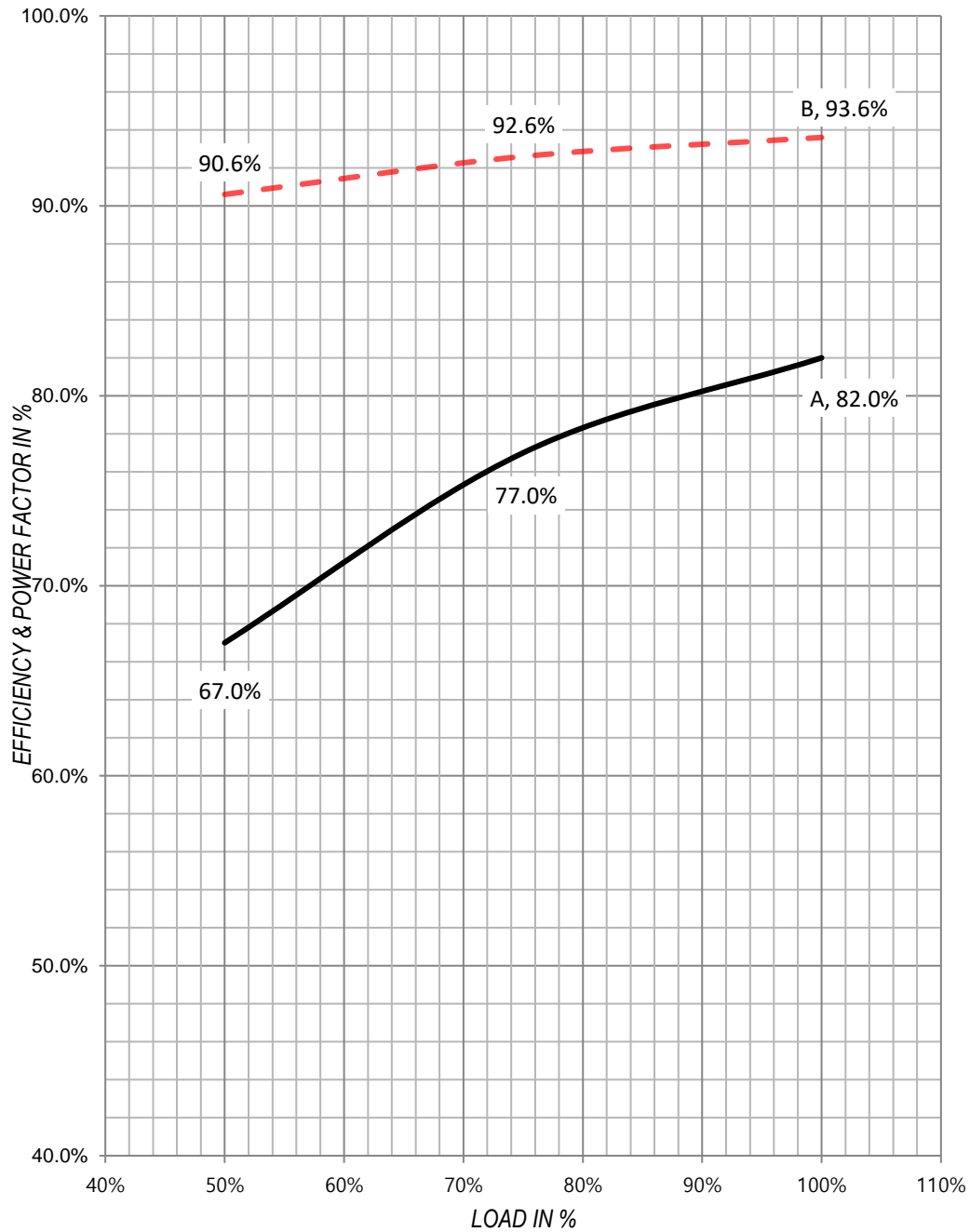


**NOTE**

- 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

	<b>LOAD - POWER FACTOR &amp; EFFICIENCY CURVE</b>		Curve No.	
			1PE_DSML21855M	

OUTPUT	18.5 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	10.1 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	190 %	LOCKED-ROTOR CURRENT	680 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1780 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.874 kg·m <sup>2</sup>



**NOTE**

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