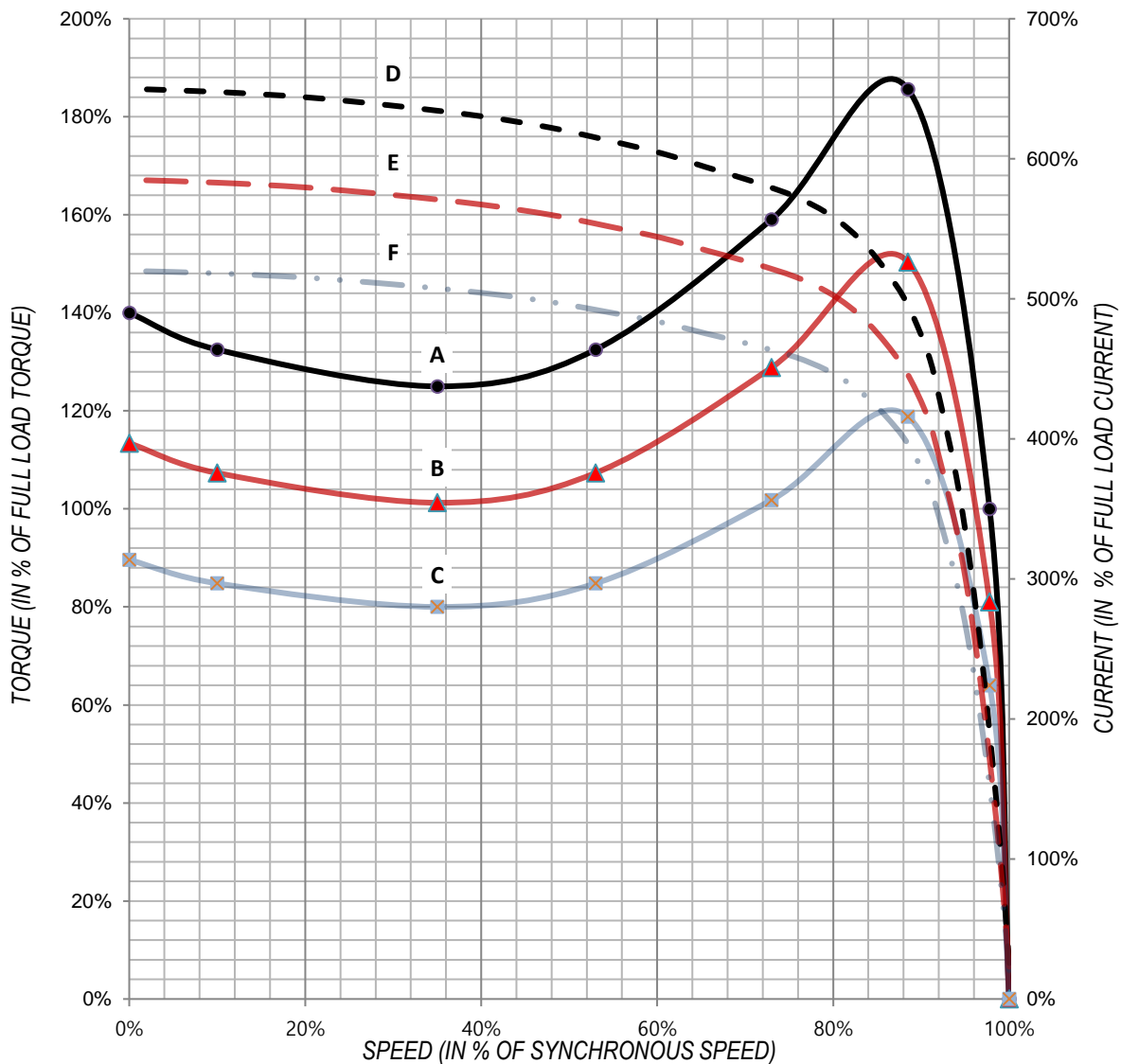


**SPEED - TORQUE & CURRENT CURVE**

Curve No.

1ST\_DSML21425H

OUTPUT	2.2 kW	POLES	8 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	2.4 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	140 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	190 %	SPEED (at FULL LOAD)	880 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.288 kg·m <sup>2</sup>

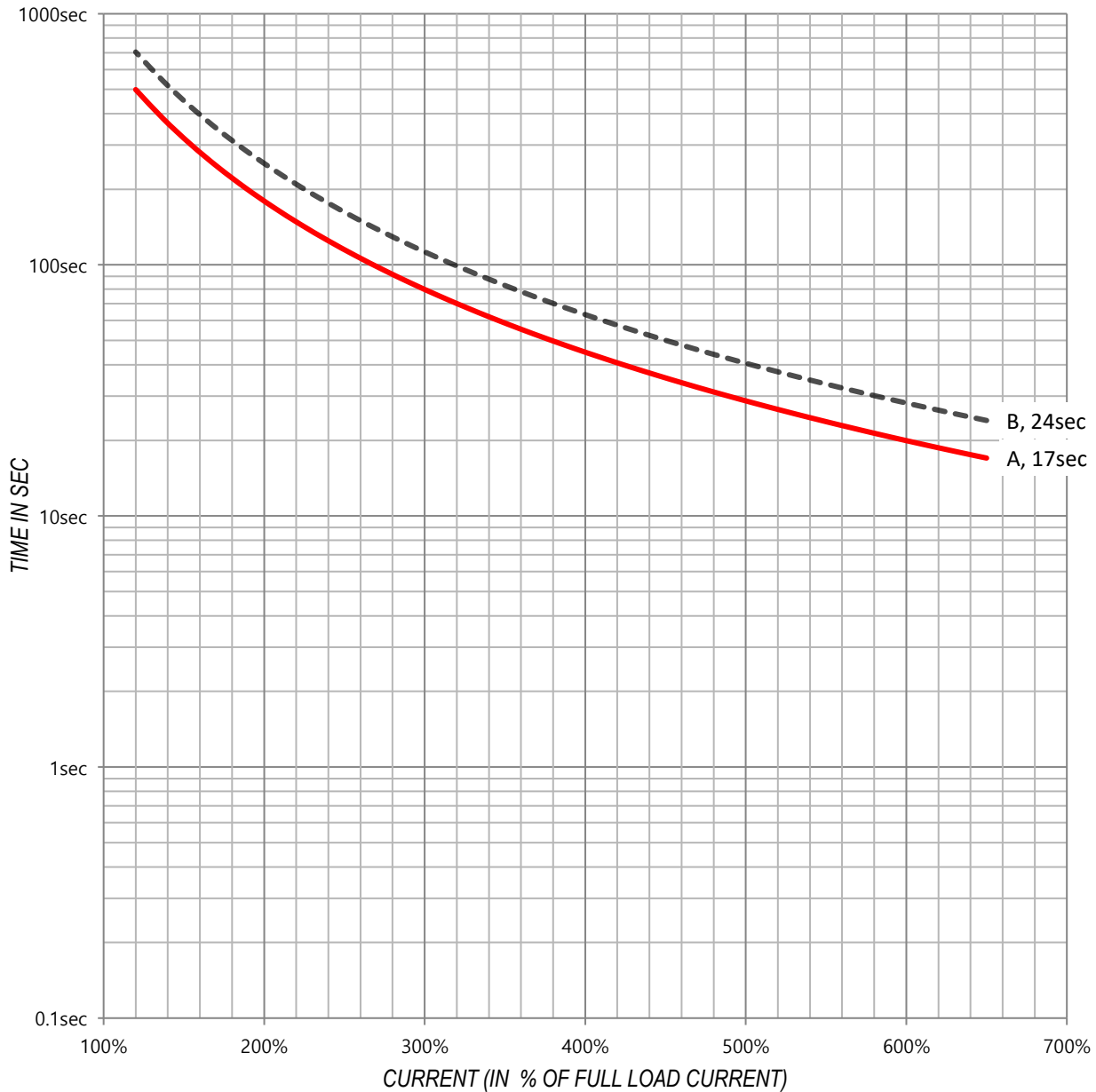


**NOTE**

- 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_DSML21425H	

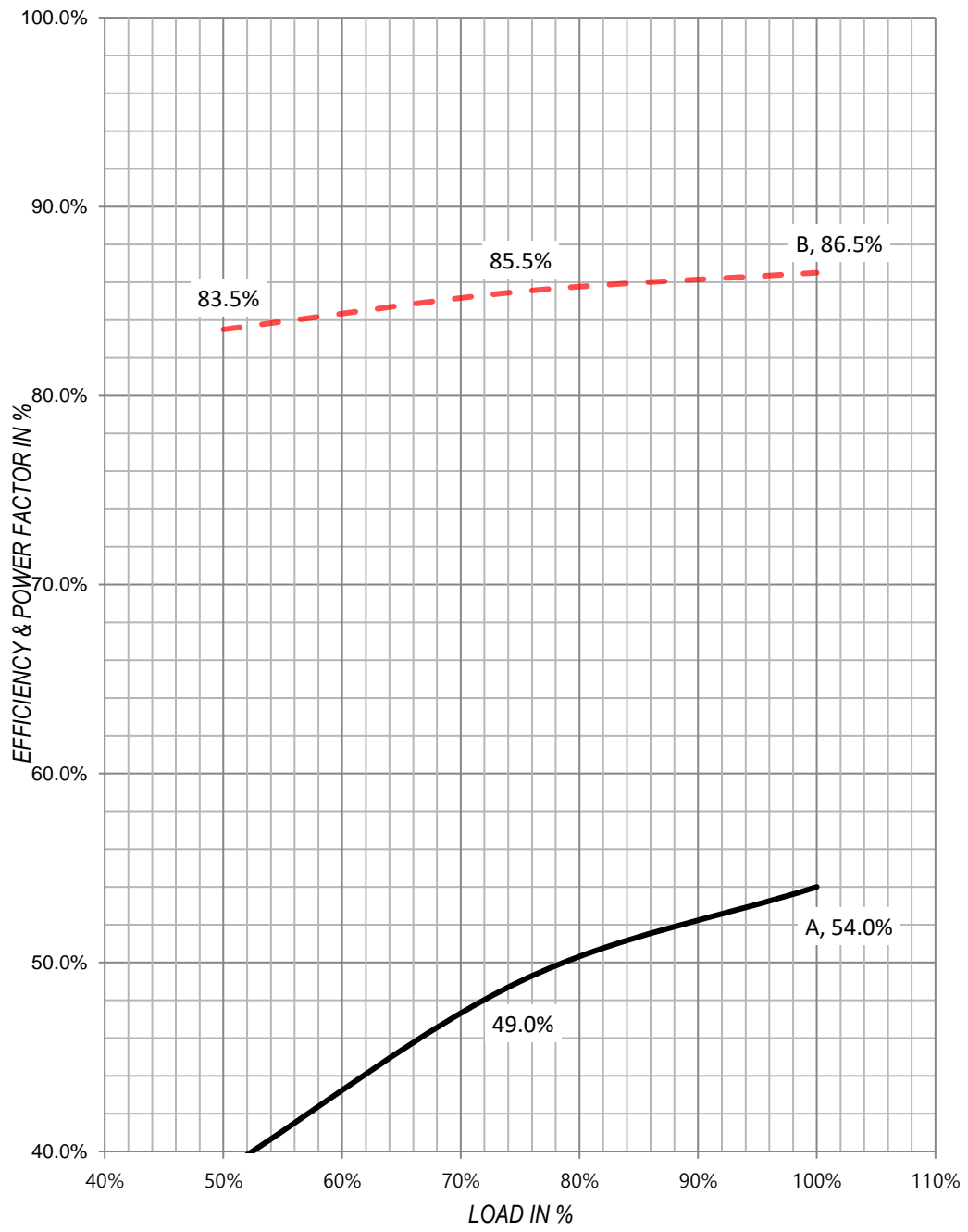
OUTPUT	2.2 kW	POLES	8 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	2.4 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	140 %	LOCKED-ROTOR CURRENT	650 %
BREAKDOWN TORQUE	190 %	SPEED (at FULL LOAD)	880 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.288 kg·m <sup>2</sup>



**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>HYOSUNG</b> HEAVY INDUSTRIES	<b>LOAD - POWER FACTOR &amp; EFFICIENCY CURVE</b>			<b>Curve No.</b>	
				1PE_DSML21425H	
OUTPUT	2.2 kW	POLES	8	P	
VOLTAGE	- V	FREQUENCY	60	Hz	
FULL LOAD TORQUE	2.4 kg·m	FULL LOAD CURRENT	-	A	
LOCKED ROTOR TORQUE	140 %	LOCKED-ROTOR CURRENT	650	%	
BREAKDOWN TORQUE	190 %	SPEED (at FULL LOAD)	880	r/min	
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	0.288	kg·m <sup>2</sup>	



**NOTE**

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