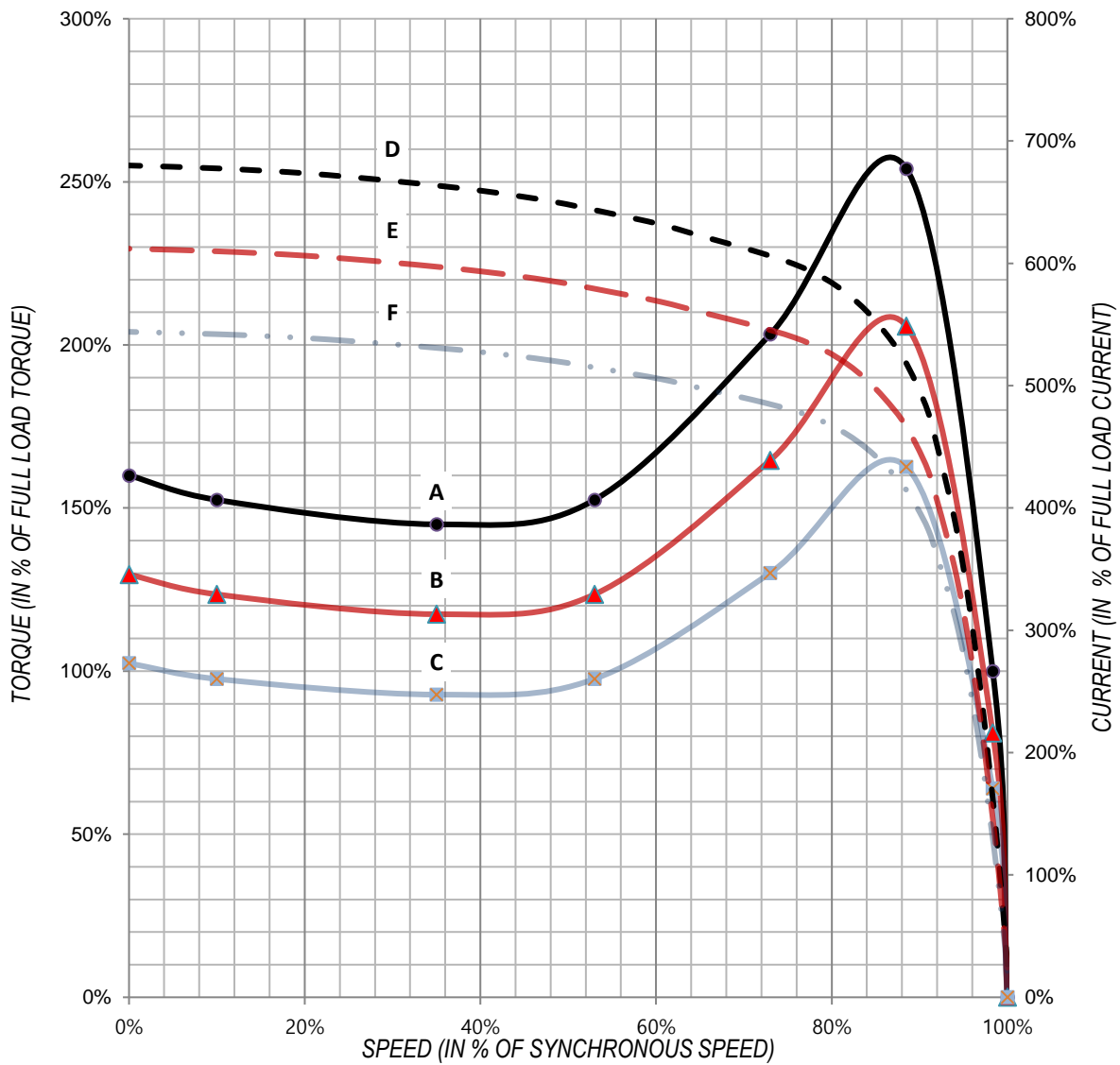


**SPEED - TORQUE & CURRENT CURVE**

**Curve No.**

1ST\_D1ML8755

OUTPUT	30 kW	POLES	6 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	24.8 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	160 %	LOCKED-ROTOR CURRENT	680 %
BREAKDOWN TORQUE	260 %	SPEED (at FULL LOAD)	1180 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	2.583 kg·m <sup>2</sup>

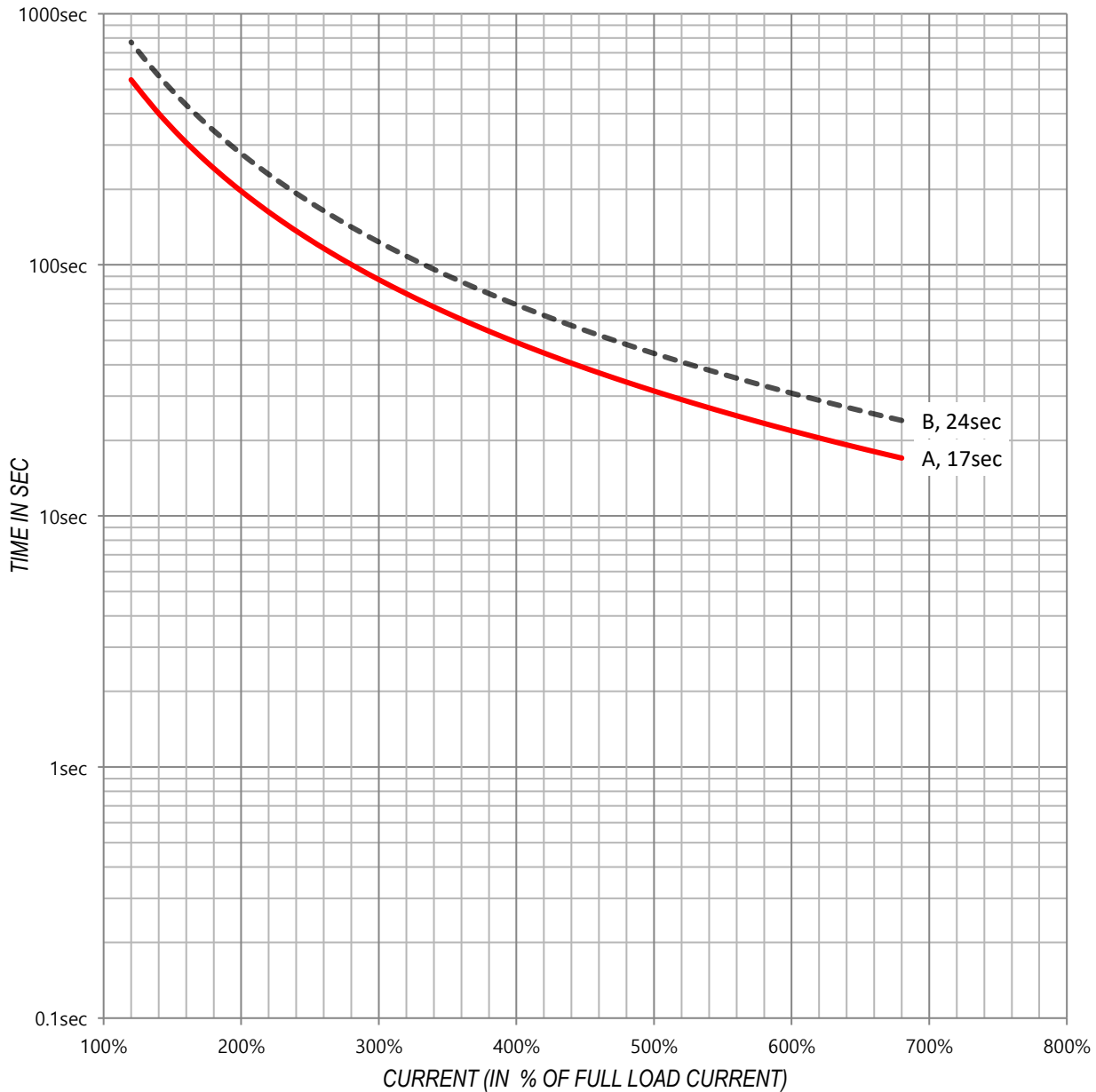


**NOTE**

- 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_D1ML8755	

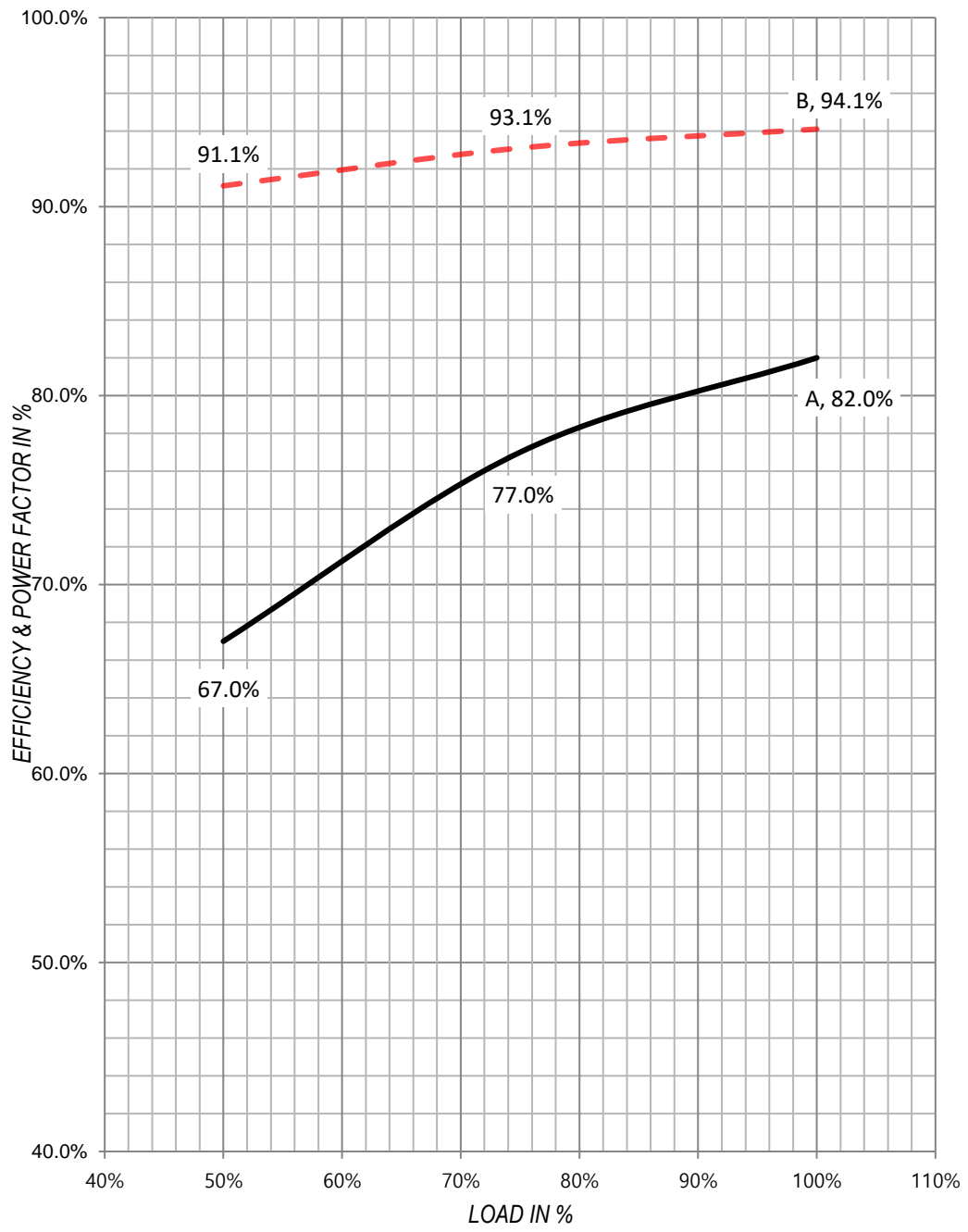
OUTPUT	30 kW	POLES	6 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	24.8 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	160 %	LOCKED-ROTOR CURRENT	680 %
BREAKDOWN TORQUE	260 %	SPEED (at FULL LOAD)	1180 r/min
GD <sup>2</sup> of LOAD :	- kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	2.583 kg·m <sup>2</sup>



**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_D1ML8755	
OUTPUT	30	kW	POLES	6	P
VOLTAGE	-	V	FREQUENCY	60	Hz
FULL LOAD TORQUE	24.8	kg·m	FULL LOAD CURRENT	-	A
LOCKED ROTOR TORQUE	160	%	LOCKED-ROTOR CURRENT	680	%
BREAKDOWN TORQUE	260	%	SPEED (at FULL LOAD)	1180	r/min
GD <sup>2</sup> of LOAD :	-	kg·m <sup>2</sup>	GD <sup>2</sup> of MOTOR	2.583	kg·m <sup>2</sup>



**NOTE**

— A : LOAD - POWER FACTOR CURVE

- - - B : LOAD - EFFICIENCY CURVE