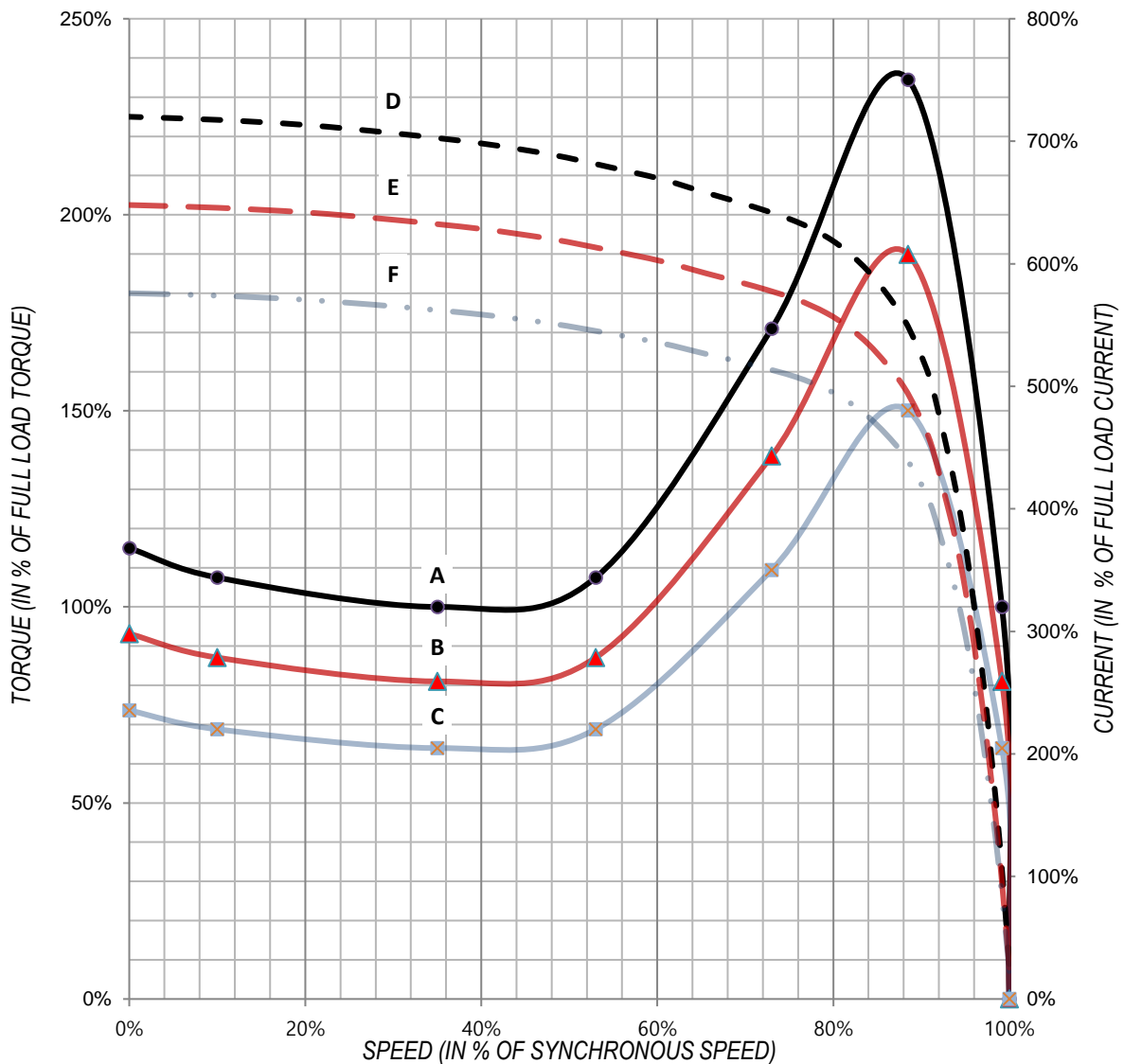


SPEED - TORQUE & CURRENT CURVE

Curve No.

1ST_D1ML6870

OUTPUT	300 kW	POLES	4 P
VOLTAGE	- V	FREQUENCY	60 Hz
FULL LOAD TORQUE	163.7 kg·m	FULL LOAD CURRENT	- A
LOCKED ROTOR TORQUE	115 %	LOCKED-ROTOR CURRENT	720 %
BREAKDOWN TORQUE	240 %	SPEED (at FULL LOAD)	1785 r/min
GD ² of LOAD :	- kg·m ²	GD ² of MOTOR	17.34 kg·m ²

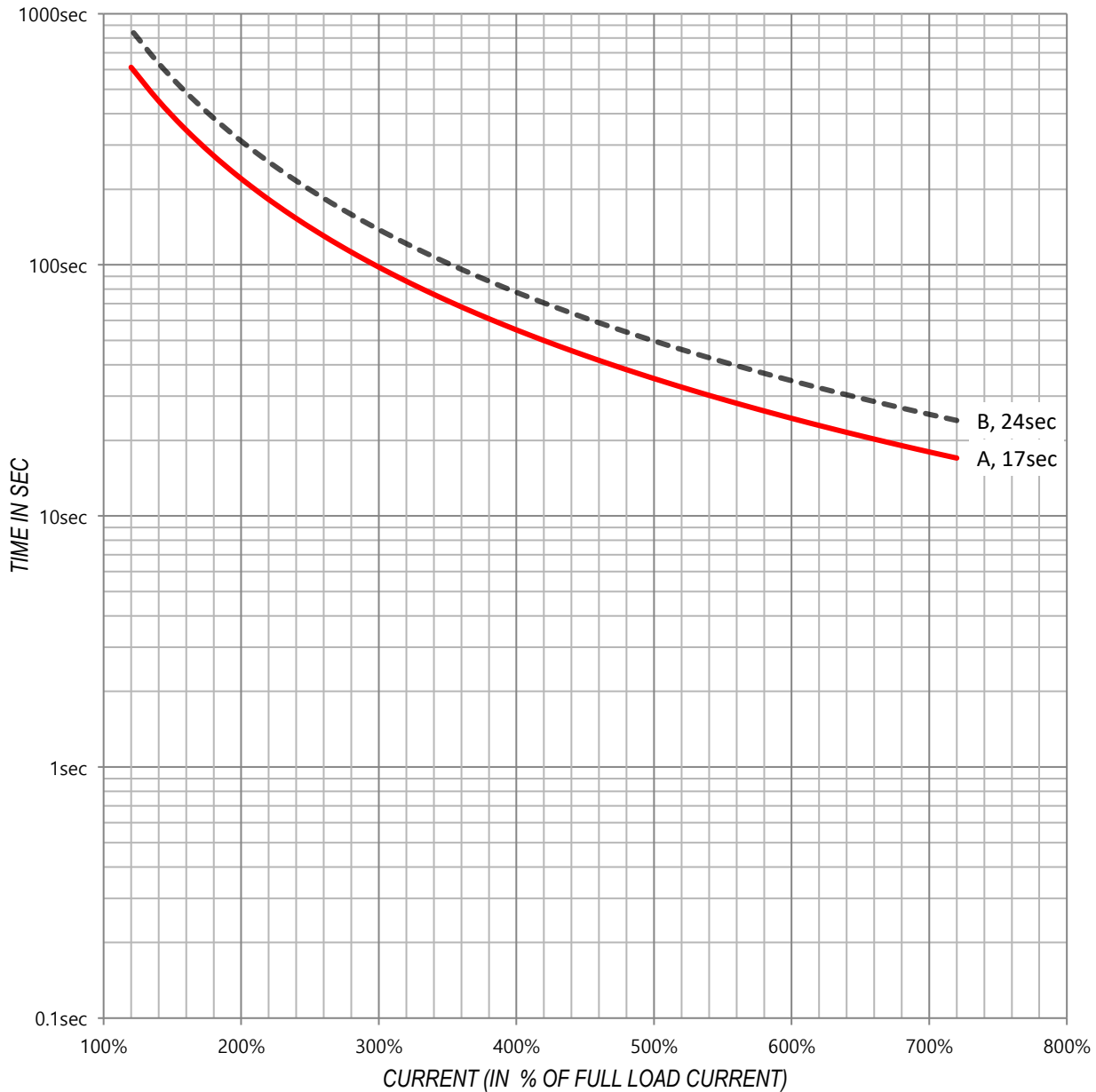


NOTE

- 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_D1ML6870	

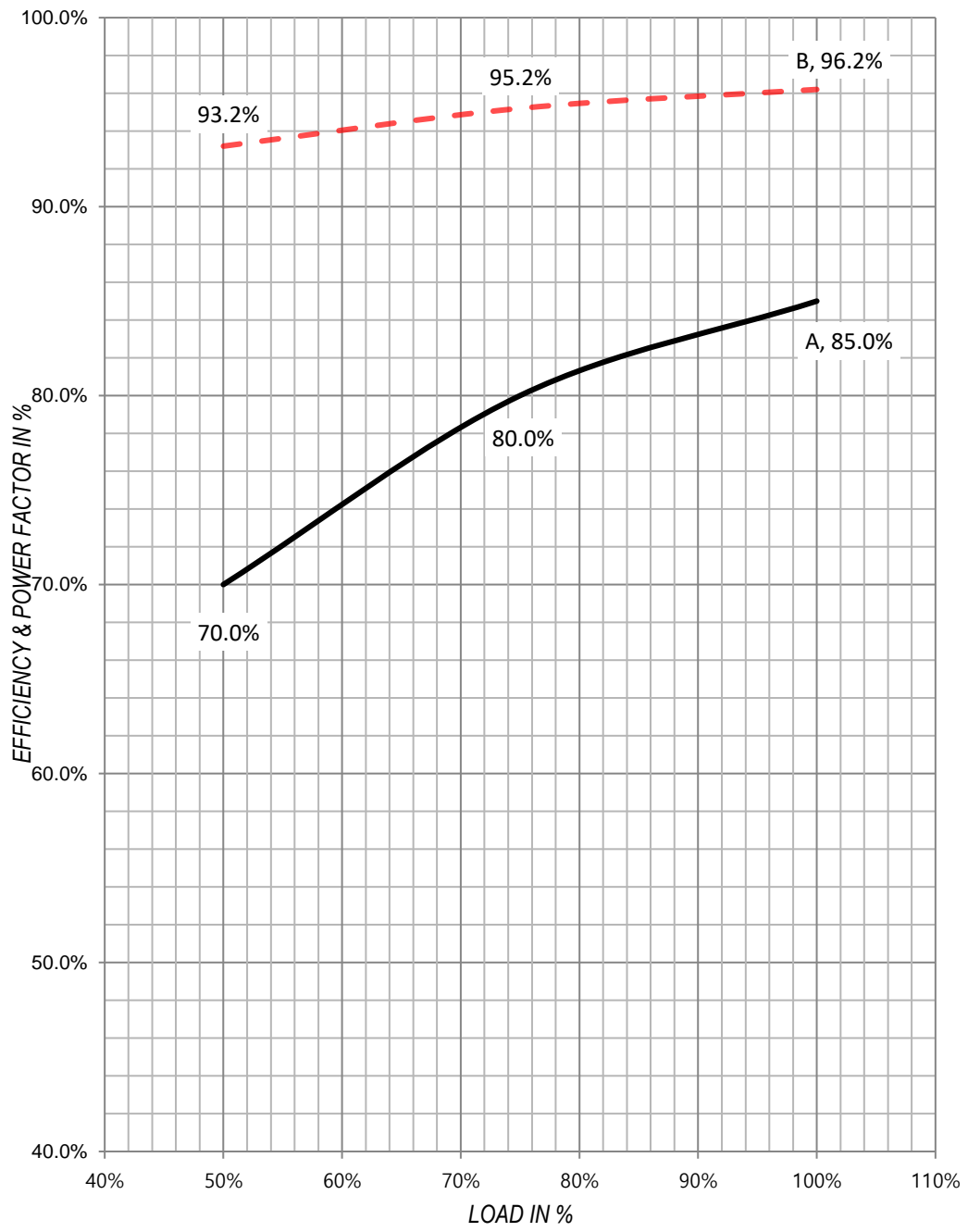
OUTPUT	300	kW	POLES	4	P
VOLTAGE	-	V	FREQUENCY	60	Hz
FULL LOAD TORQUE	163.7	kg·m	FULL LOAD CURRENT	-	A
LOCKED ROTOR TORQUE	115	%	LOCKED-ROTOR CURRENT	720	%
BREAKDOWN TORQUE	240	%	SPEED (at FULL LOAD)	1785	r/min
GD ² of LOAD :	-	kg·m ²	GD ² of MOTOR	17.34	kg·m ²



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

HYOSUNG HEAVY INDUSTRIES	LOAD - POWER FACTOR & EFFICIENCY CURVE			Curve No.	
				1PE_D1ML6870	
OUTPUT	300	kW	POLES	4	P
VOLTAGE	-	V	FREQUENCY	60	Hz
FULL LOAD TORQUE	163.7	kg·m	FULL LOAD CURRENT	-	A
LOCKED ROTOR TORQUE	115	%	LOCKED-ROTOR CURRENT	720	%
BREAKDOWN TORQUE	240	%	SPEED (at FULL LOAD)	1785	r/min
GD ² of LOAD :	-	kg·m ²	GD ² of MOTOR	17.34	kg·m ²



NOTE

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