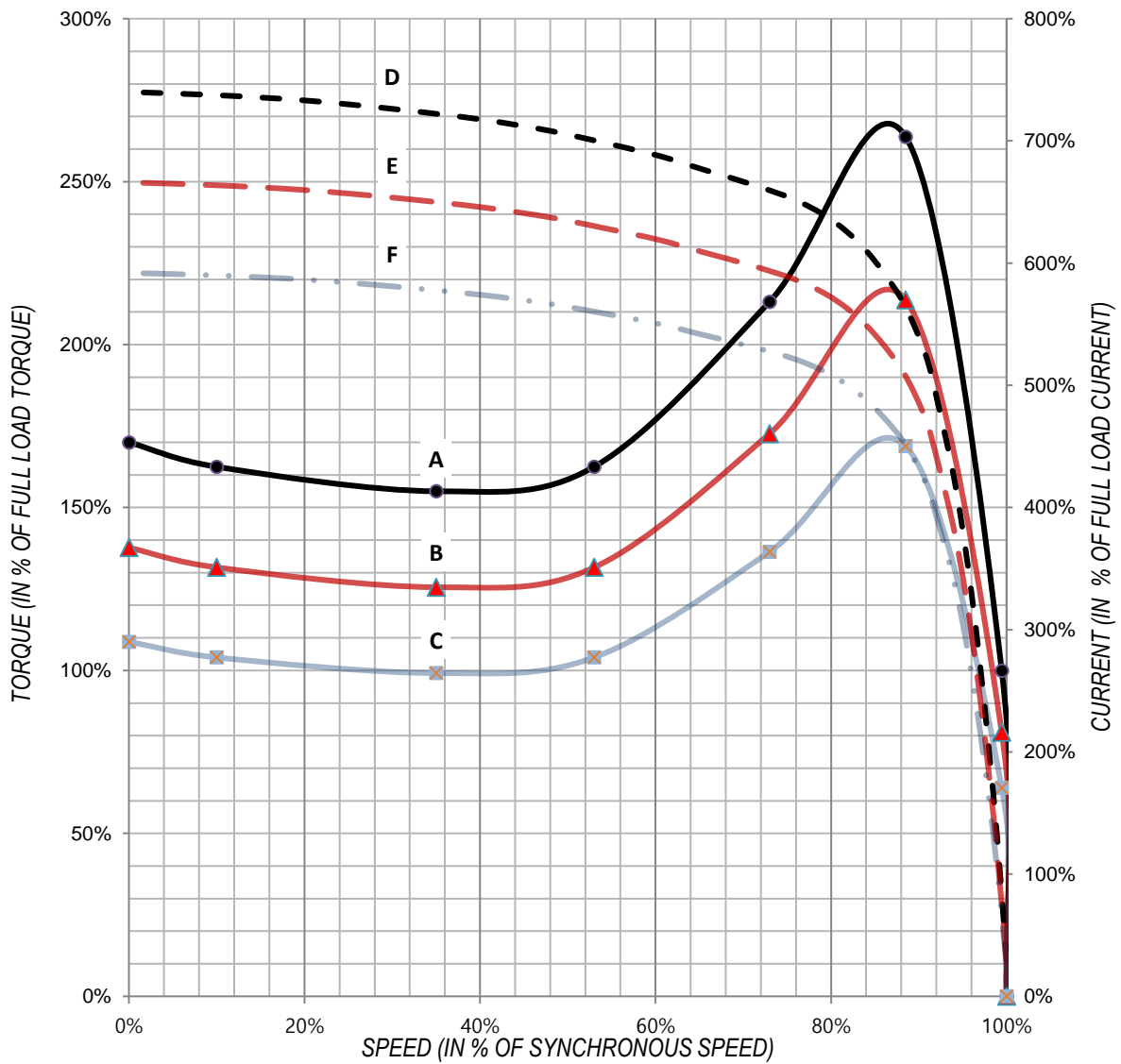


**SPEED - TORQUE & CURRENT CURVE**

**Curve No.**

1ST\_D1ML20227

|                           |                     |                          |                         |
|---------------------------|---------------------|--------------------------|-------------------------|
| OUTPUT                    | 132 kW              | POLES                    | 2 P                     |
| VOLTAGE                   | - V                 | FREQUENCY                | 60 Hz                   |
| FULL LOAD TORQUE          | 35.9 kg·m           | FULL LOAD CURRENT        | - A                     |
| LOCKED ROTOR TORQUE       | 170 %               | LOCKED-ROTOR CURRENT     | 740 %                   |
| BREAKDOWN TORQUE          | 270 %               | SPEED (at FULL LOAD)     | 3580 r/min              |
| GD <sup>2</sup> of LOAD : | - kg·m <sup>2</sup> | GD <sup>2</sup> of MOTOR | 5.438 kg·m <sup>2</sup> |

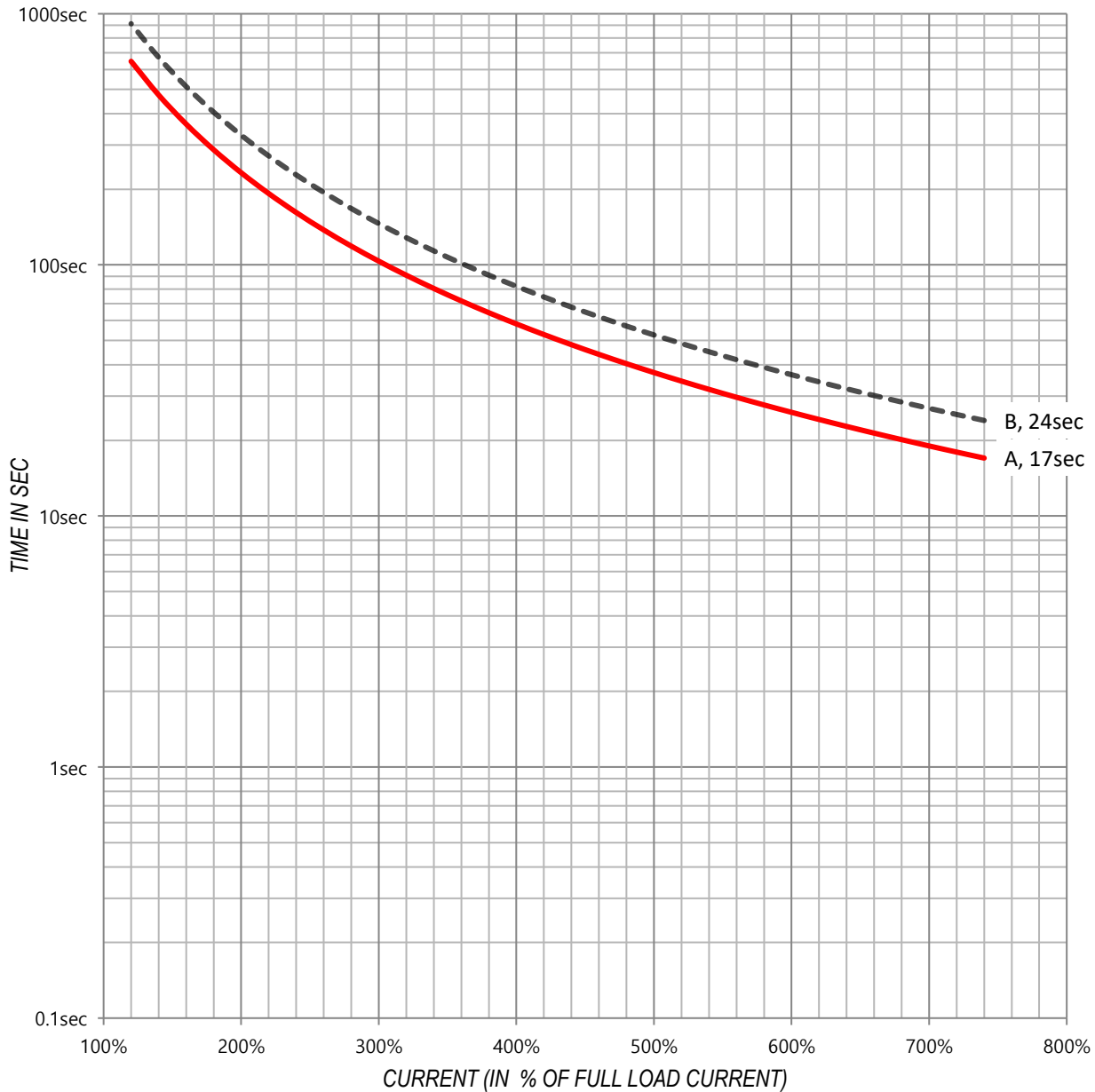


**NOTE**

- 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;<br/>TIME - CURRENT CURVE</b> |  |  | <b>Curve No.</b> |  |
|   |   |  |  | 1TL_D1ML20227    |  |

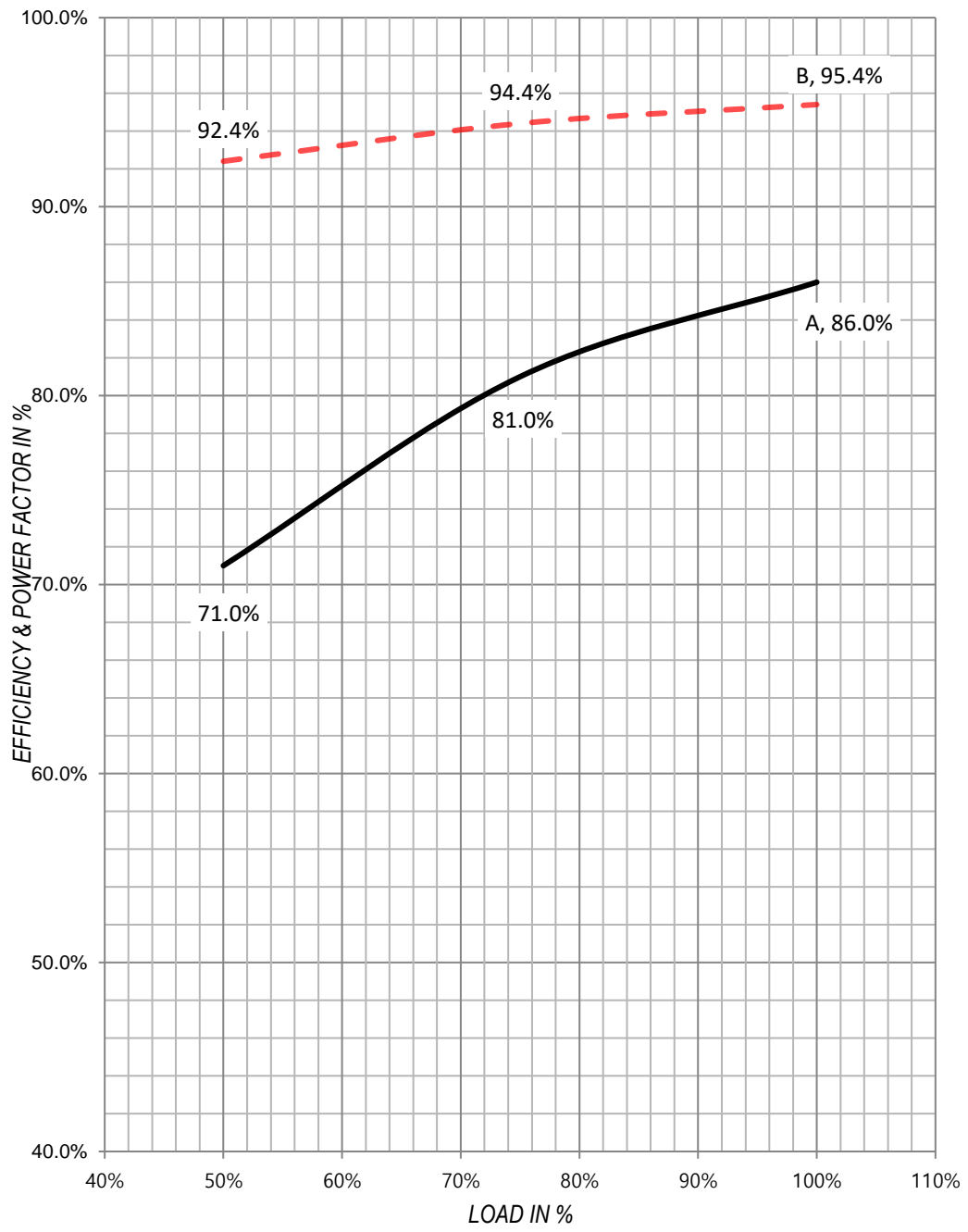
|                           |                     |                          |                         |
|---------------------------|---------------------|--------------------------|-------------------------|
| OUTPUT                    | 132 kW              | POLES                    | 2 P                     |
| VOLTAGE                   | - V                 | FREQUENCY                | 60 Hz                   |
| FULL LOAD TORQUE          | 35.9 kg·m           | FULL LOAD CURRENT        | - A                     |
| LOCKED ROTOR TORQUE       | 170 %               | LOCKED-ROTOR CURRENT     | 740 %                   |
| BREAKDOWN TORQUE          | 270 %               | SPEED (at FULL LOAD)     | 3580 r/min              |
| GD <sup>2</sup> of LOAD : | - kg·m <sup>2</sup> | GD <sup>2</sup> of MOTOR | 5.438 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_D1ML20227    |  |
| OUTPUT                          | 132 kW  | POLES                    | 2 P                     |                  |  |
| VOLTAGE                         | - V   | FREQUENCY                | 60 Hz                   |                  |  |
| FULL LOAD TORQUE                | 35.9 kg·m   | FULL LOAD CURRENT        | - A                     |                  |  |
| LOCKED ROTOR TORQUE             | 170 %   | LOCKED-ROTOR CURRENT     | 740 %                   |                  |  |
| BREAKDOWN TORQUE                | 270 %   | SPEED (at FULL LOAD)     | 3580 r/min              |                  |  |
| GD <sup>2</sup> of LOAD :       | - kg·m <sup>2</sup>                               | GD <sup>2</sup> of MOTOR | 5.438 kg·m <sup>2</sup> |                  |  |



**NOTE**

— A : LOAD - POWER FACTOR CURVE

- - - B : LOAD - EFFICIENCY CURVE