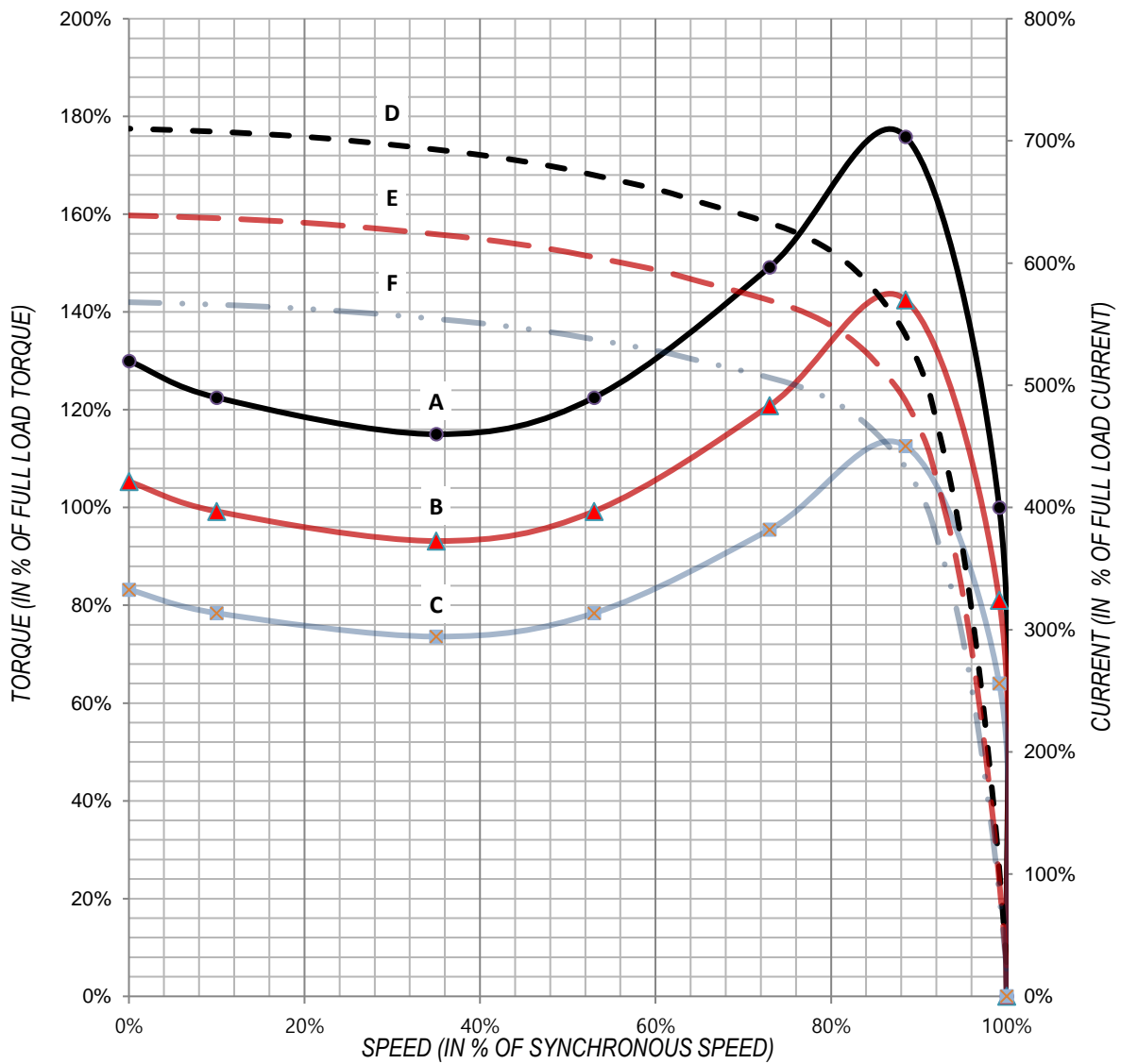


**SPEED - TORQUE & CURRENT CURVE**

**Curve No.**

1ST\_D1ML8757

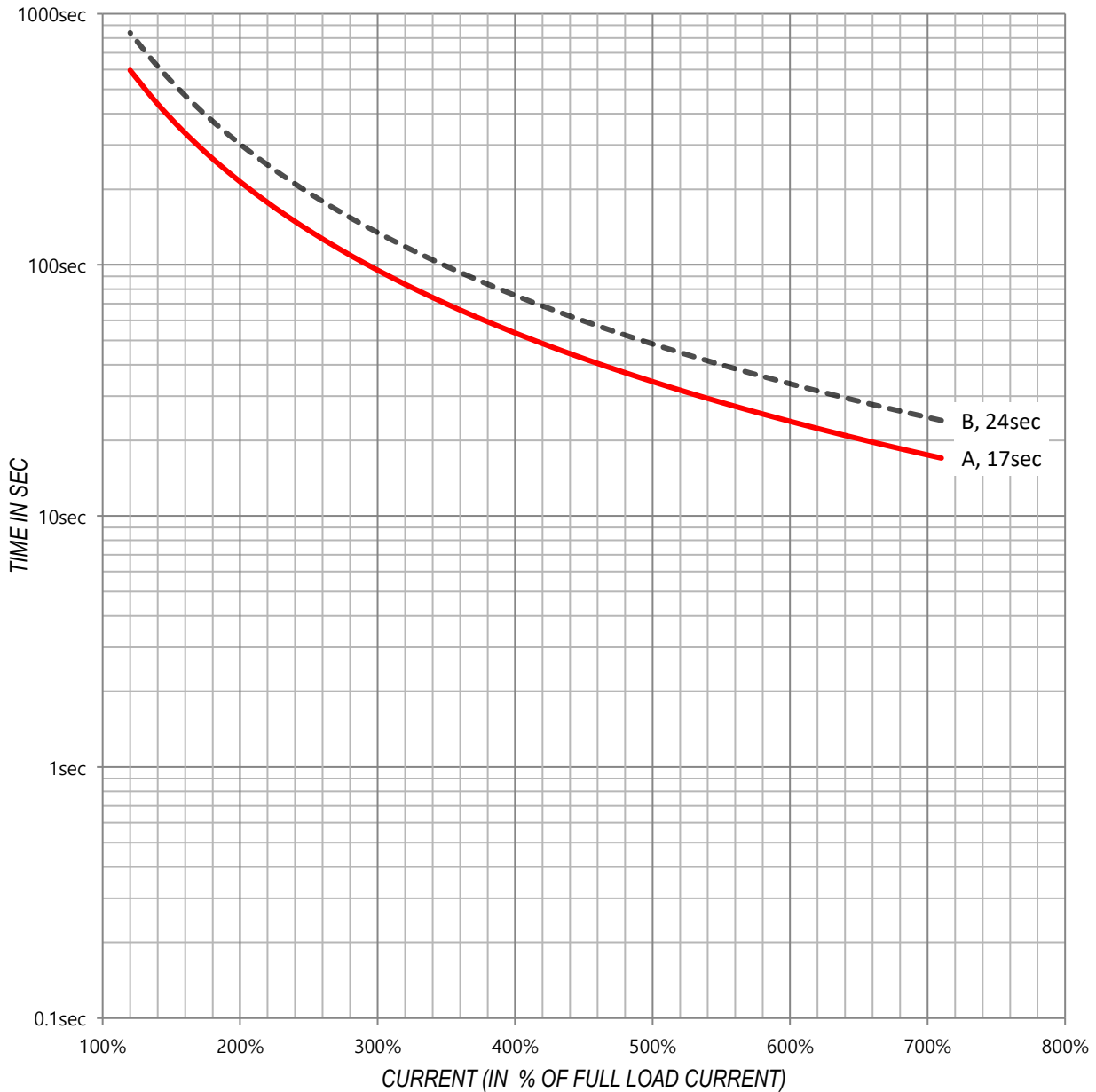
|                           |                     |                          |                          |
|---------------------------|---------------------|--------------------------|--------------------------|
| OUTPUT                    | 150 kW              | POLES                    | 6 P                      |
| VOLTAGE                   | - V                 | FREQUENCY                | 60 Hz                    |
| FULL LOAD TORQUE          | 122.8 kg·m          | FULL LOAD CURRENT        | - A                      |
| LOCKED ROTOR TORQUE       | 130 %               | LOCKED-ROTOR CURRENT     | 710 %                    |
| BREAKDOWN TORQUE          | 180 %               | SPEED (at FULL LOAD)     | 1190 r/min               |
| GD <sup>2</sup> of LOAD : | - kg·m <sup>2</sup> | GD <sup>2</sup> of MOTOR | 21.226 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

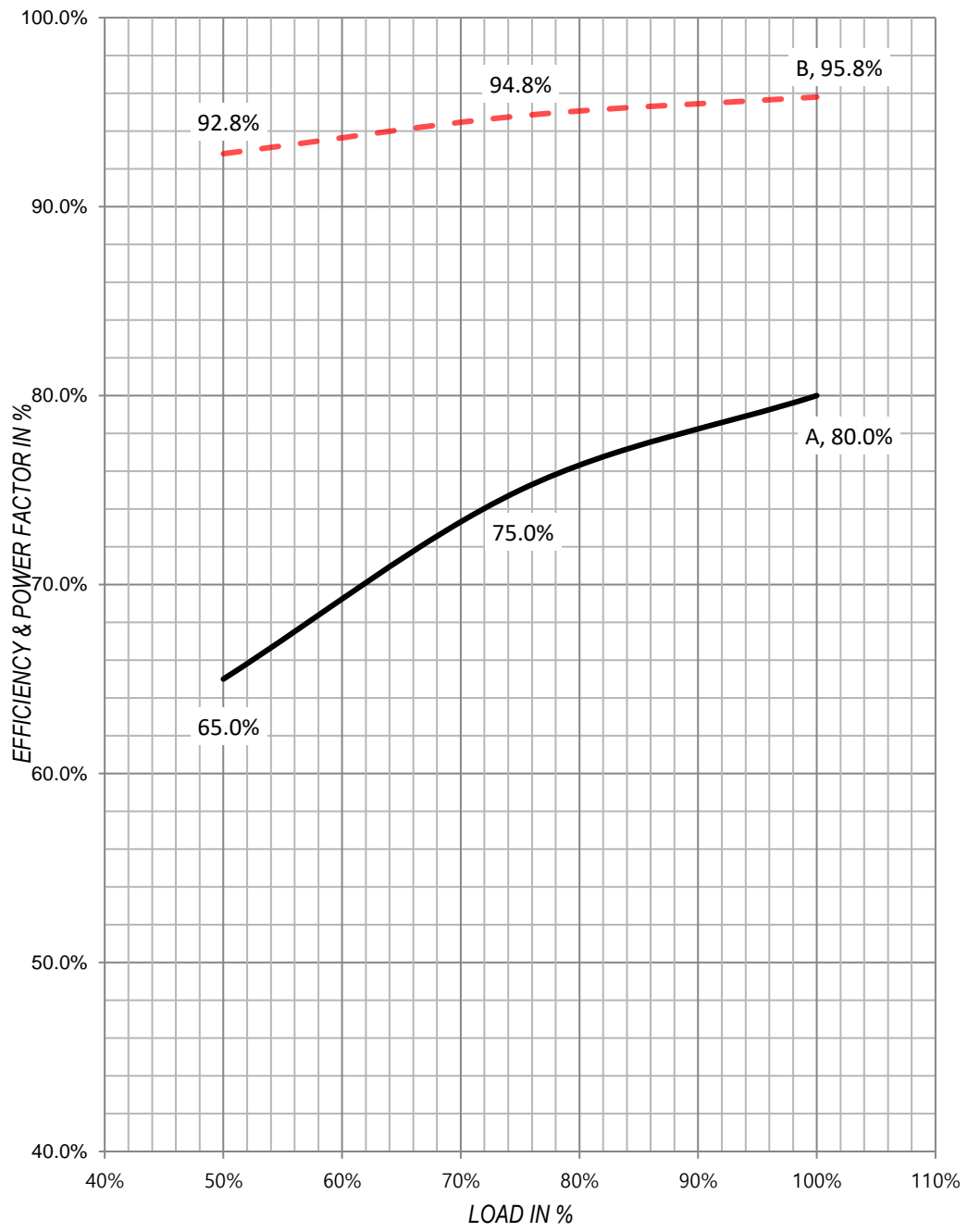
|                                 |   |                          |                          |                  |  |
|---------------------------------|---|--------------------------|--------------------------|------------------|--|
| <b>HYOSUNG</b> HEAVY INDUSTRIES | <b>THERMAL LIMIT &amp; TIME - CURRENT CURVE</b> |                          |                          | <b>Curve No.</b> |  |
|                                 |   |                          |                          | 1TL_D1ML8757     |  |
| OUTPUT                          | 150 kW  | POLES                    | 6 P                      |                  |  |
| VOLTAGE                         | - V   | FREQUENCY                | 60 Hz                    |                  |  |
| FULL LOAD TORQUE                | 122.8 kg·m                                      | FULL LOAD CURRENT        | - A                      |                  |  |
| LOCKED ROTOR TORQUE             | 130 %   | LOCKED-ROTOR CURRENT     | 710 %                    |                  |  |
| BREAKDOWN TORQUE                | 180 %   | SPEED (at FULL LOAD)     | 1190 r/min               |                  |  |
| GD <sup>2</sup> of LOAD :       | - kg·m <sup>2</sup>                             | GD <sup>2</sup> of MOTOR | 21.226 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_D1ML8757     |                   |
| OUTPUT                          | 150   | kW                | POLES                    | 6                | P                 |
| VOLTAGE                         | -   | V                 | FREQUENCY                | 60               | Hz                |
| FULL LOAD TORQUE                | 122.8   | kg·m              | FULL LOAD CURRENT        | -                | A                 |
| LOCKED ROTOR TORQUE             | 130   | %                 | LOCKED-ROTOR CURRENT     | 710              | %                 |
| BREAKDOWN TORQUE                | 180   | %                 | SPEED (at FULL LOAD)     | 1190             | r/min             |
| GD <sup>2</sup> of LOAD :       | -   | kg·m <sup>2</sup> | GD <sup>2</sup> of MOTOR | 21.226           | kg·m <sup>2</sup> |



**NOTE**

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