



OMT3-IE3 280S-6 45kW 400/690V 50Hz , . #

## DATASHEET

50Hz |

|                              |               |                   |                 |
|------------------------------|---------------|-------------------|-----------------|
| Frame type:                  | cast iron     | Connection:       | Δ/Y             |
| Model:                       | OMT3-IE3      | Run Capacitor:    |                 |
| Output:                      | 45 kW         | Start Capacitor:  |                 |
| Rated voltage:               | 400/690V      | Rotor voltage:    |                 |
| Frame:                       | 280 mm        | Rotor connection: |                 |
| Poles:                       | 6             | Rotor current:    |                 |
| Frequency:                   | 50 Hz         | No load current:  |                 |
| Rated speed:                 | 990 RPM       | Insulation class: | F               |
| Rated current:               | 81,6/47,3 A   | Temp. rise:       | 80 K            |
| Locked rotor current(Ia/In): | 730%          | Service factor:   | 1               |
| Locked rotor torque(Ma/Mn):  | 200%          | Duty:             | S1              |
| Breakdown torque(Ma/Mn):     | 200%          | Amb. temp.:       | -20~40 °C       |
| Mounting:                    | B5            | Altitude:         | 1000 m          |
| Noise level:                 | 78 dB         | Protection:       | IP55            |
| Approx. weight:              | 522 kg        | Cooling:          | IC411           |
| Mom. of inertia:             | 1,91187 kg/m2 | Vibration:        | 2,8 mm/s        |
| Slip:                        | 1%            | Dir. rotation:    | BOTH            |
| Rated torque:                | 434 Nm        | Starting method:  | DIRECT ON LINE  |
|                              |               | Coupling:         | DIRECT          |
|                              |               | Load type:        | PARABOLIC CURVE |

## PERFORMANCE

| Output         | 50%  | 75%  | 100% |
|----------------|------|------|------|
| Efficiency(%): | 92,9 | 93,7 | 93,8 |
| Power factor:  |      |      | 0,85 |

## STANDARDS

|                |                      |
|----------------|----------------------|
| Specification: | IEC60034-1/GB755     |
| Test:          | IEC60034-2/GB/T1032  |
| Noise          | IEC60034-9/GB10069.3 |
| Vibration:     | IEC60034-14/GB10068  |

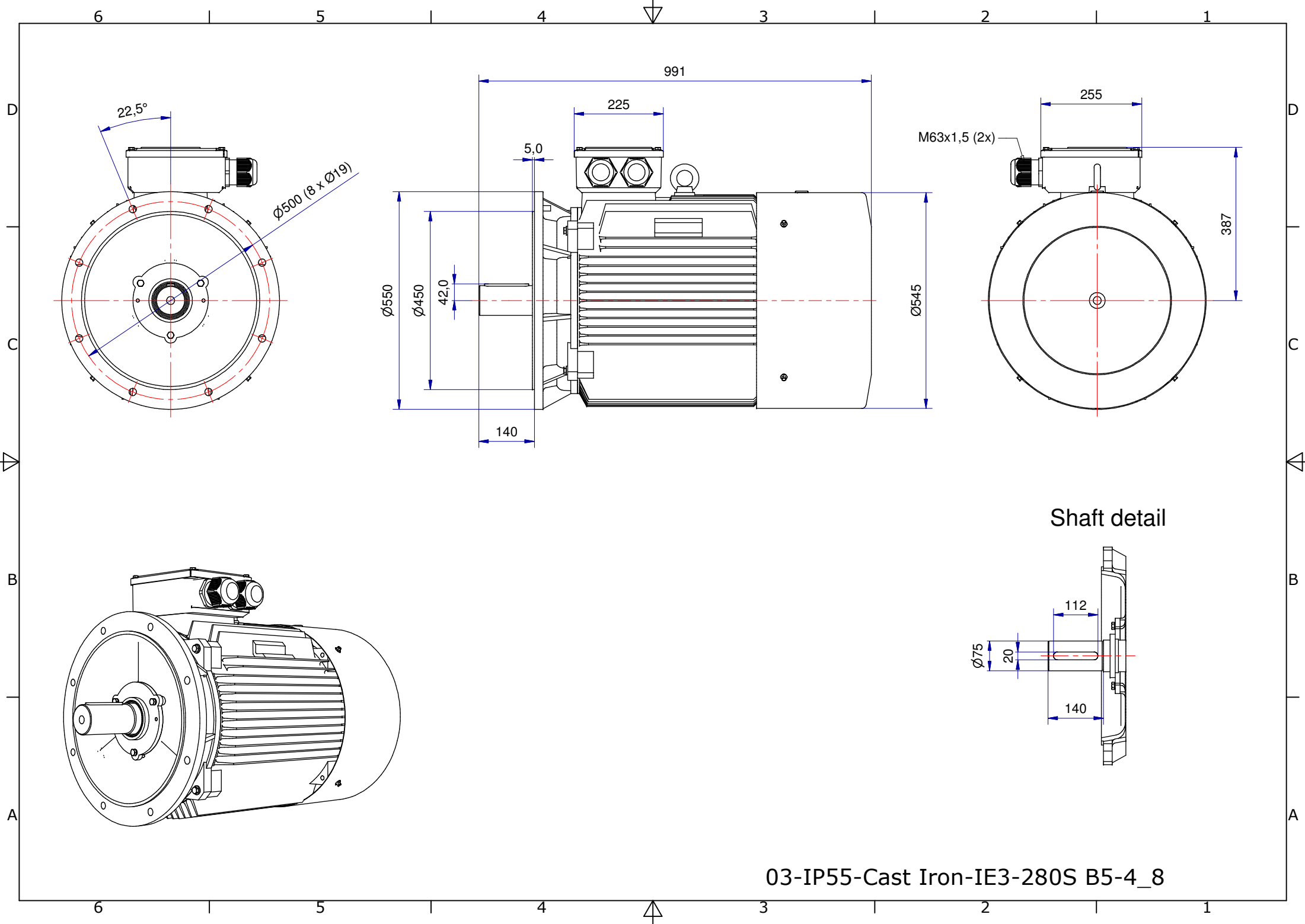
## BEARING

|                    | NDE     | DE      |
|--------------------|---------|---------|
| Bearing            | 6317 C3 | 6317 C3 |
| Regreasing int(h): | 4000    | 4000    |
| Grease             | 38      | 38      |
| amount(g):         |         |         |
| Grease             | Caltex  | Caltex  |
| polyrexEM:         | SRI-2   | SRI-2   |

## ACCESSORIES

PTC 150◇?C

There may be differences between rating plate and calculated values



03-IP55-Cast Iron-IE3-280S B5-4\_8