

MOTOR DATA SHEET

Motor type: **2SIE355H2E**

Series: **IE2**



12-11-2025

| | ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | |
|-----|-----------------------|----|-----|-----|------|-----|------|------|------|------|------|--------|-------------|-------|-------|---------------|---------|
| U | CONN. | f | ı | D | Duty | I | n | Т | TL/T | TB/T | IL/I | Effici | ency at loa | d [%] | Power | r factor at l | oad [-] |
| V | - | Hz | kW | HP | - | Α | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | ΔorY | 50 | 375 | 503 | S1 | 622 | 2985 | 1200 | 1.5 | 2.7 | 7.7 | 94.8 | 95.6 | 95.7 | 0.85 | 0.90 | 0.91 |
| 690 | Δ or Y | 50 | 375 | 503 | S1 | 359 | 2985 | 1200 | 1.5 | 2.7 | 7.7 | 94.8 | 95.6 | 95.7 | 0.85 | 0.90 | 0.91 |

| GENERAL DATA | | | | | | |
|----------------------------|------------------------|--------------------------------------|-----------|--|--|--|
| Efficiency class | IE2 | Sound pressure level [dB] | 83 | | | |
| Frame size | 355 | Sound power level [dB] | - | | | |
| Number of poles | 2 | Terminal box position | top | | | |
| Starting method | DOL, Y/Δ or VSD | Possibility of terminal box rotation | yes | | | |
| Insulation class | F | Bearing on D-side | 6217 C3 | | | |
| Frequency converter supply | yes | Bearing on ND-side | 6217 C3 | | | |
| Mounting arrangement | IMB3/B35 | Bearings regreasing | yes | | | |
| Cooling method | IC411 | Housing - material | cast iron | | | |
| Weight (IMB3) [kg] | 2200 | Feet - material | cast iron | | | |
| Moment of inertia [kgm2] | 5.7 | Bearing shields - material | cast iron | | | |
| Direction of rotation | according to the order | Painting | RAL5010 | | | |
| Degree of protection | IP55 | Climatic execution | N | | | |

| ENVIRONMENTAL CONDITIONS | | | | | | | |
|--------------------------|-----------|------------------------------|------------|--|--|--|--|
| Ambient temperature [°C] | up to +40 | Altitude above sea level [m] | up to 1000 | | | | |
| Relative humidity [%] | up to 95 | | | | | | |

| ACCESSORY | | | | | | | |
|--------------------------------|-------------------------|---------------------------------|--------------------------|--|--|--|--|
| Number of terminals or cables | 6 | Temperature sensors in bearings | 2 x Pt100 (1 pc/bearing) | | | | |
| Cable glands/inlets | 2 | Winding heaters | on demand | | | | |
| Temperature sensors in winding | 6 x Pt100 (2pcs./phase) | Optional accessories | on demand | | | | |

| STANDARDS | |
|-------------|--|
| IEC 60034-1 | |

| CERTIFICATES | |
|--------------|--|
| on demand | |

