

**Cable Reel Motor: DRE100L6**

Make: SEW

1.5kW



| Item | Terms                   | Description                           |
|------|-------------------------|---------------------------------------|
| 1    | Type                    | DRE100-L6, BE5HR/FF/TH/ES7C/C/DUB/OS4 |
| 2    | Rating                  | AC380V,50Hz, 1.5kW,                   |
| 3    | Rating speed (rpm)      | 940 rpm                               |
| 4    | Current (A)             | $I_N=4.2A$                            |
| 5    | Efficiency ( $\eta$ )   | full load 100% $\eta=80.9\%$ (IE2)    |
| 6    | Power factor $\cos\Phi$ | 0.66                                  |
| 7    | Service Duty            | Continuous Rating (S1)                |
| 8    | Stator winding          | Copper, Insulation class F            |
| 9    | Enclosure               | IP65                                  |
| 10   | Cooling method          | IC411                                 |
| 11   | Weight (kg)             | 96                                    |
| 12   | Standard                | IEC60034-1                            |
| 13   | Connection              | 220VD/380VY 50Hz                      |
| 14   | Make                    | SEW-EURODRIVE                         |

DRE:1000rpm -S1 IE2 High efficiency motor specification

| 电机型号<br>DRE | $P_N$<br>[kW] | $M_N$<br>[Nm] | $n_n$<br>[rpm] | $I_N$<br>400 V<br>[A] | $I_N$<br>380-420 V<br>[A] | $\cos\phi$ | IE<br>等级 | $\eta$ 75%<br>$\eta$ 100%<br>[%] <sup>1)</sup> | $I_A / I_N$ | $M_A / M_N$<br>$M_H / M_N$ | $m$<br>[kg] <sup>2)</sup> | $J_{Mot}$<br>[10 <sup>-4</sup><br>kgm <sup>2</sup> ] |
|-------------|---------------|---------------|----------------|-----------------------|---------------------------|------------|----------|--|-------------|----------------------------|---------------------------|--|
| DRE90L6     | 0.75          | 7.6           | 940            | 2.15                  | 2.2                       | 0.65       | IE2      | 77.8<br>77.2                                   | 4.6         | 2.4<br>2.4                 | 21.5                      | 43.5   |
| DRE100M6    | 1.1           | 11.2          | 940            | 3.1                   | 3.15                      | 0.64       | IE2      | 79.4<br>78.7                                   | 4.7         | 3<br>2.9                   | 26                        | 56   |
| DRE100L6    | 1.5           | 15.2          | 940            | 4                     | 4.05                      | 0.66       | IE2      | 81.5<br>80.9                                   | 5           | 3.3<br>3.1                 | 29                        | 68   |

Note: The efficiency class comply with IEC 60034-2-1 Ed.1 (2007)/PLL

For the cable reel motor, the bearing lifetime is matched to the motor lifetime.