

## VF 30

24 Nm

|  |          |    |    | i   | $\eta_s$<br>%                | $n_2$<br>min <sup>-1</sup> | $M_{n2}$<br>Nm | $P_{n1}$<br>kW | $R_{n1}$<br>N | $R_{n2}$<br>N | $\eta_d$<br>%                 | $n_2$<br>min <sup>-1</sup>   | $M_{n2}$<br>Nm | $P_{n1}$<br>kW | $R_{n1}$<br>N | $R_{n2}$<br>N | $\eta_d$<br>% |  |
|-----------------------------------------------------------------------------------|----------|----|----|-----|------------------------------|----------------------------|----------------|----------------|---------------|---------------|-------------------------------|------------------------------|----------------|----------------|---------------|---------------|---------------|--|
| $n_1 = 2800 \text{ min}^{-1}$                                                     |          |    |    |     |                              |                            |                |                |               |               | $n_1 = 1400 \text{ min}^{-1}$ |                              |                |                |               |               |               |  |
| VF 30                                                                             | VF 30_7  | 7  | 69 | 400 | 12                           | 0.58                       | 120            | 510            | 87            | 200           | 16                            | 0.41                         | 140            | 630            | 84            |               |               |  |
|                                                                                   | VF 30_10 | 10 | 64 | 280 | 12                           | 0.41                       | 70             | 620            | 85            | 140           | 16                            | 0.30                         | 80             | 770            | 81            |               |               |  |
|                                                                                   | VF 30_15 | 15 | 56 | 187 | 14                           | 0.34                       | —              | 720            | 81            | 93            | 18                            | 0.24                         | —              | 910            | 76            |               |               |  |
|                                                                                   | VF 30_20 | 20 | 51 | 140 | 14                           | 0.26                       | —              | 820            | 78            | 70            | 18                            | 0.19                         | —              | 1030           | 73            |               |               |  |
|                                                                                   | VF 30_30 | 30 | 41 | 93  | 15                           | 0.21                       | —              | 960            | 71            | 47            | 20                            | 0.15                         | —              | 1200           | 65            |               |               |  |
|                                                                                   | VF 30_40 | 40 | 36 | 70  | 14                           | 0.16                       | —              | 1090           | 66            | 35            | 19                            | 0.12                         | —              | 1360           | 60            |               |               |  |
|                                                                                   | VF 30_60 | 60 | 29 | 47  | 14                           | 0.12                       | —              | 1270           | 59            | 23.3          | 19                            | 0.09                         | —              | 1590           | 51            |               |               |  |
|                                                                                   | VF 30_70 | 70 | 26 | 40  | 11                           | 0.08                       | —              | 1380           | 55            | 20.0          | 15                            | 0.07                         | —              | 1600           | 48            |               |               |  |
|                                                                                   |          |    |    |     | $n_1 = 900 \text{ min}^{-1}$ |                            |                |                |               |               |                               | $n_1 = 500 \text{ min}^{-1}$ |                |                |               |               |               |  |
|                                                                                   | VF 30_7  | 7  | 69 | 129 | 18                           | 0.30                       | 150            | 730            | 82            | 71            | 20                            | 0.19                         | 150            | 920            | 81            |               |               |  |
|                                                                                   | VF 30_10 | 10 | 64 | 90  | 18                           | 0.22                       | 150            | 900            | 79            | 50            | 20                            | 0.14                         | 150            | 1120           | 77            |               |               |  |
|                                                                                   | VF 30_15 | 15 | 56 | 60  | 20                           | 0.17                       | —              | 1060           | 74            | 33            | 22                            | 0.11                         | 150            | 1320           | 71            |               |               |  |
|                                                                                   | VF 30_20 | 20 | 51 | 45  | 20                           | 0.14                       | —              | 1200           | 70            | 25.0          | 22                            | 0.09                         | 150            | 1490           | 67            |               |               |  |
|                                                                                   | VF 30_30 | 30 | 41 | 30  | 22                           | 0.12                       | —              | 1400           | 61            | 16.7          | 24                            | 0.07                         | —              | 1700           | 58            |               |               |  |
|                                                                                   | VF 30_40 | 40 | 36 | 23  | 20                           | 0.09                       | —              | 1590           | 56            | 12.5          | 22                            | 0.06                         | —              | 1700           | 53            |               |               |  |
|                                                                                   | VF 30_60 | 60 | 29 | 15  | 20                           | 0.07                       | —              | 1650           | 48            | 8.3           | 22                            | 0.05                         | —              | 1700           | 44            |               |               |  |
|                                                                                   | VF 30_70 | 70 | 26 | 13  | 17                           | 0.05                       | —              | 1700           | 45            | 7.0           | 19                            | 0.04                         | —              | 1700           | 41            |               |               |  |