

## Technical data - Electrical data

### LM 030 Series

| PARAMETER        | UNIT      | SYMBOL | LM030P-1215 | LM030P-2415 |
|------------------|-----------|--------|-------------|-------------|
| Rated Force      | N         | Fr     | 150         | 300         |
| Peak Force       | N         | Fp     | 440         | 880         |
| Pole pitch       | mm        | pp     | 32          | 32          |
| Force constant   | N/A       | Fc     | 58          | 58          |
| Max speed        | m/sec     | Vn     | 7,8         | 7,8         |
| Rated current    | A         | In     | 2.6         | 5.2         |
| Peak current     | A         | Ip     | 7           | 14          |
| Back EMF         | V/rms/m/s | Ke     | 34.6        | 34.6        |
| Phase resistance | ohm       | Rph    | 5.6         | 2.8         |
| Phase inductance | mH        | Lph    | 31          | 16          |

### LM 050 Series

| PARAMETER        | UNIT      | SYMBOL | LM050P-1215 | LM050P-2415 |
|------------------|-----------|--------|-------------|-------------|
| Rated Force      | N         | Fr     | 280         | 560         |
| Peak Force       | N         | Fp     | 650         | 1300        |
| Pole pitch       | mm        | pp     | 32          | 32          |
| Force constant   | N/A       | Fc     | 97          | 97          |
| Max speed        | m/sec     | Vn     | 4.6         | 4.6         |
| Rated current    | A         | In     | 2.6         | 5.8         |
| Peak current     | A         | Ip     | 8           | 17          |
| Back EMF         | V/rms/m/s | Ke     | 57.5        | 57.5        |
| Phase resistance | ohm       | Rph    | 7.6         | 3.8         |
| Phase inductance | mH        | Lph    | 51          | 26          |

### LM 075 Series

| PARAMETER        | UNIT      | SYMBOL | LM075P-1215 | LM075P-2415 |
|------------------|-----------|--------|-------------|-------------|
| Rated Force      | N         | Fr     | 440         | 880         |
| Peak Force       | N         | Fp     | 1000        | 2000        |
| Pole pitch       | mm        | pp     | 32          | 32          |
| Force constant   | N/A       | Fc     | 145         | 145         |
| Max speed        | m/sec     | Vn     | 3           | 3           |
| Rated current    | A         | In     | 3.1         | 6.2         |
| Peak current     | A         | Ip     | 8.4         | 17          |
| Back EMF         | V/rms/m/s | Ke     | 84          | 84          |
| Phase resistance | ohm       | Rph    | 10          | 5           |
| Phase inductance | mH        | Lph    | 74          | 27          |

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