

# Motor ITOL4 Series

4" Rewindable Oil Filled Submersible Motor

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# MS4 Series

## 4"Rewindable Oil Filled Submersible Motor

### Technical Features

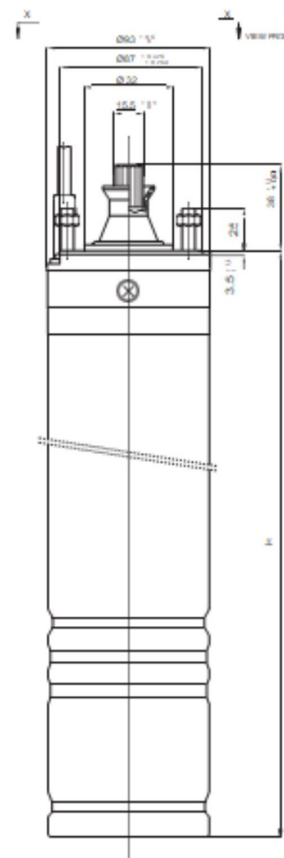
- Rewindable.
- Upper bracket: Nickel plated cast iron. SS304 cover sheet / Brass / SS316 available.
- Motor case: SS 304.
- Motor shaft: SS 304.
- Shaft extension and coupling: NEMA Standard.
- High quality radial and thrust ball bearings.
- Winding: enameled copper - Class F insulation.
- Degree of protection IP68/Class B insulation .
- Max temp. 35° with water cooling flow min. 0.08 m/s.
- Max depth immersion: 150 m.
- Nos. of start per hour: max 30 at regular intervals.
- Over-dimensioned sand slinger.
- Mechanical seal: graphite/ceramic. SiC/SiC or SiC/Al mechanical seal available as option.
- Coolant: dielectric non toxic high quality lubricant.
- Motor cable length: 1,75 to 4 m according to motor size (3 wires plus ground).
- Voltage variation: +/-10%.
- Single phase motor available in both version CSCR & PSC.
- Suitable for horizontal operation.

### Motor Range Versions

- Single Phase: 0.37kW (0.5hp) to 4kW (5.5hp), 220-230V / 50Hz (or 60 Hz).
- Three Phase: 0.37kW (0.5hp) to 7.5kW (10hp), 380-415V / 50Hz – 460V / 60Hz.
- Axial thrust: - 1500 N from 0.37kW to 2.2kW
  - 2500 N from 2.2kW to 5.5kW
  - 5000 N from 2.2kW to 5.5kW
  - 7500 N from 2.2kW to 7.5kW.

\*Other voltage and frequencies available upon request.

| Type          | kW   | Hp   | Axial Thrust | H (mm) | Cable  |                     |      |      | Weight (kg) |
|---------------|------|------|--------------|--------|--------|---------------------|------|------|-------------|
|               |      |      |              |        | Length | Sez mm <sup>2</sup> | A mm | B mm |             |
| ITOL 4 M 050  | 0,37 | 0,5  | 1500 N       | 325    | 1,75   | 1,5                 | 5,6  | 18,8 | 7           |
| ITOL 4 M 075  | 0,55 | 0,75 | 1500 N       | 325    | 1,75   | 1,5                 | 5,6  | 18,8 | 7,6         |
| ITOL 4 M 100  | 0,75 | 1    | 1500 N       | 350    | 1,75   | 1,5                 | 5,6  | 18,8 | 8,7         |
| ITOL 4 M 150  | 1,1  | 1,5  | 1500 N       | 385    | 1,75   | 1,5                 | 5,6  | 18,8 | 10,3        |
| ITOL 4 M 200  | 1,5  | 2    | 1500 N       | 420    | 1,75   | 1,5                 | 5,6  | 18,8 | 12          |
| ITOL 4 M 300  | 2,2  | 3    | 1500 N       | 470    | 2,5    | 1,5                 | 5,6  | 18,8 | 14,2        |
| ITOL 4 M 300  | 2,2  | 3    | 4400 N       | 520    | 2,5    | 1,5                 | 5,6  | 18,8 | 15,5        |
| ITOL 4 T 050  | 0,37 | 0,5  | 1500 N       | 325    | 1,75   | 1,5                 | 5,6  | 18,8 | 6,5         |
| ITOL 4 T 075  | 0,55 | 0,75 | 1500 N       | 325    | 1,75   | 1,5                 | 5,6  | 18,8 | 7           |
| ITOL 4 T 100  | 0,75 | 1    | 1500 N       | 325    | 1,75   | 1,5                 | 5,6  | 18,8 | 7,6         |
| ITOL 4 T 150  | 1,1  | 1,5  | 1500 N       | 350    | 1,75   | 1,5                 | 5,6  | 18,8 | 8,7         |
| ITOL 4 T 200  | 1,5  | 2    | 1500 N       | 385    | 1,75   | 1,5                 | 5,6  | 18,8 | 10,4        |
| ITOL 4 T 300  | 2,2  | 3    | 1500 N       | 420    | 2,5    | 1,5                 | 5,6  | 18,8 | 12          |
| ITOL 4 T 300  | 2,2  | 3    | 5000 N       | 383    | 2,5    | 1,5                 | 5,6  | 18,8 | 11,2        |
| ITOL 4 T 400  | 3    | 4    | 5000 N       | 418    | 2,5    | 1,5                 | 5,6  | 18,8 | 13,1        |
| ITOL 4 T 550  | 4    | 5,5  | 5000 N       | 468    | 2,5    | 1,5                 | 5,6  | 18,8 | 15,6        |
| ITOL 4 T 750  | 5,5  | 7,5  | 5000 N       | 538    | 3      | 1,5                 | 5,6  | 18,8 | 18,9        |
| ITOL 4 T 1000 | 7,5  | 10   | 4400 N       | 810    | 4      | 2,0                 | 6,0  | 19,5 | 27          |





# MS4 Series

## 4"Rewindable Oil Filled Submersible Motor

| Single Phase |              |             |        |     |      |      |      |        |      |      |      |       |      |    |
|--------------|--------------|-------------|--------|-----|------|------|------|--------|------|------|------|-------|------|----|
| 50Hz         | Type         | Thrust load | Weight | H   | kW   | Hp   | In   | Istart | Imax | RPM  | Cosφ | Ts/Tn | EEF% | μF |
|              |              | N           | Kg     | mm  |      |      | Amp  |        |      |      |      |       |      |    |
| 230V         | ITOL 4 M 050 | 1500        | 7      | 325 | 0,37 | 0,5  | 3,4  | 10,8   | 4,0  | 2860 | 0,94 | 1     | 53   | 20 |
|              | ITOL 4 M 075 | 1500        | 7,6    | 325 | 0,55 | 0,75 | 4,2  | 13,9   | 5,4  | 2855 | 0,92 | 0,87  | 60   | 25 |
|              | ITOL 4 M 100 | 1500        | 8,7    | 350 | 0,75 | 1    | 5,6  | 18,5   | 6,5  | 2850 | 0,92 | 0,7   | 62   | 35 |
|              | ITOL 4 M 150 | 1500        | 10,3   | 385 | 1,1  | 1,5  | 7,8  | 23     | 9,0  | 2850 | 0,92 | 0,5   | 66   | 40 |
|              | ITOL 4 M 200 | 1500        | 12     | 420 | 1,5  | 2    | 10,8 | 38,7   | 12,1 | 2840 | 0,88 | 0,55  | 68   | 50 |
|              | ITOL 4 M 300 | 1500        | 14,2   | 470 | 2,2  | 3    | 14,6 | 43,5   | 16,1 | 2820 | 0,94 | 0,48  | 69   | 70 |
|              | ITOL 4 M 300 | 4400        | 15,5   | 520 | 2,2  | 3    | 14,6 | 43,5   | 16,1 | 2820 | 0,94 | 0,48  | 69   | 70 |

| Three Phase   |              |             |        |     |      |      |       |        |      |      |      |       |      |  |
|---------------|--------------|-------------|--------|-----|------|------|-------|--------|------|------|------|-------|------|--|
| 50Hz          | Type         | Thrust load | Weight | H   | kW   | Hp   | In    | Istart | Imax | RPM  | Cosφ | Ts/Tn | EEF% |  |
|               |              | N           | Kg     | mm  |      |      | Amp   |        |      |      |      |       |      |  |
| 230V          | ITOL 4 T 050 | 1500        | 6,5    | 325 | 0,37 | 0,5  | 2,3   | 10,7   | 3,5  | 2855 | 0,72 | 2,9   | 60   |  |
|               | ITOL 4 T 075 | 1500        | 7      | 325 | 0,55 | 0,75 | 3,3   | 14,7   | 4,2  | 2830 | 0,71 | 3,1   | 62   |  |
|               | ITOL 4 T 100 | 1500        | 7,6    | 325 | 0,75 | 1    | 4,2   | 18,9   | 5,4  | 2830 | 0,71 | 3,1   | 66   |  |
|               | ITOL 4 T 150 | 1500        | 8,7    | 350 | 1,1  | 1,5  | 5,5   | 24,2   | 7,1  | 2830 | 0,7  | 3,2   | 73   |  |
|               | ITOL 4 T 200 | 1500        | 10,4   | 385 | 1,5  | 2    | 7,6   | 29,4   | 8,8  | 2830 | 0,70 | 3,1   | 73   |  |
|               | ITOL 4 T 300 | 1500        | 12     | 420 | 2,2  | 3    | 9,7   | 43,3   | 11,8 | 2820 | 0,78 | 3,1   | 75   |  |
|               | ITOL 4 T 300 | 5000        | 11,2   | 383 | 2,2  | 3    | 9,4   | 43,3   | 11,4 | 2820 | 0,79 | 2,9   | 74   |  |
|               | ITOL 4 T 400 | 5000        | 13,1   | 418 | 3    | 4    | 13    | 58,8   | 15,2 | 2820 | 0,81 | 2,8   | 74   |  |
|               | ITOL 4 T 550 | 5000        | 15,6   | 468 | 4    | 5,5  | 17    | 84,8   | 20,8 | 2835 | 0,82 | 3,0   | 76   |  |
|               | ITOL 4 T 750 | 5000        | 18,9   | 538 | 5,5  | 7,5  | 23,4  | 98,6   | 23,4 | 2820 | 0,85 | 3,0   | 78   |  |
| ITOL 4 T 1000 | 4400         | 27          | 810    | 7,5 | 10   | 33,2 | 133,2 | 36,0   | 2830 | 0,8  | 3,2  | 79    |      |  |
| 400V          | ITOL 4 T 050 | 1500        | 6,5    | 325 | 0,37 | 0,5  | 1,3   | 6,2    | 2    | 2855 | 0,72 | 2,9   | 60   |  |
|               | ITOL 4 T 075 | 1500        | 7      | 325 | 0,55 | 0,75 | 1,9   | 8,5    | 2,4  | 2830 | 0,71 | 3,1   | 62   |  |
|               | ITOL 4 T 100 | 1500        | 7,6    | 325 | 0,75 | 1    | 2,4   | 10,9   | 3,1  | 2830 | 0,71 | 3,1   | 66   |  |
|               | ITOL 4 T 150 | 1500        | 8,7    | 350 | 1,1  | 1,5  | 3,2   | 14     | 4,1  | 2830 | 0,7  | 3,2   | 73   |  |
|               | ITOL 4 T 200 | 1500        | 10,4   | 385 | 1,5  | 2    | 4,4   | 17     | 5,1  | 2830 | 0,70 | 3,1   | 73   |  |
|               | ITOL 4 T 300 | 1500        | 12     | 420 | 2,2  | 3    | 5,8   | 25     | 6,8  | 2820 | 0,78 | 3,1   | 75   |  |
|               | ITOL 4 T 300 | 5000        | 11,2   | 383 | 2,2  | 3    | 5,4   | 25     | 6,6  | 2820 | 0,79 | 2,9   | 74   |  |
|               | ITOL 4 T 400 | 5000        | 13,1   | 418 | 3    | 4    | 7,6   | 34     | 8,8  | 2820 | 0,81 | 2,8   | 74   |  |
|               | ITOL 4 T 550 | 5000        | 15,6   | 468 | 4    | 5,5  | 9,8   | 49     | 12   | 2835 | 0,82 | 3,0   | 76   |  |
|               | ITOL 4 T 750 | 5000        | 18,9   | 538 | 5,5  | 7,5  | 13,5  | 57     | 13,5 | 2820 | 0,85 | 3,0   | 78   |  |
| ITOL 4 T 1000 | 4400         | 27          | 810    | 7,5 | 10   | 19   | 77    | 20,8   | 2830 | 0,8  | 3,2  | 79    |      |  |



**EBARA**

# MS6 SERIES

6" Rewindable Oil Filled Submersible Motor

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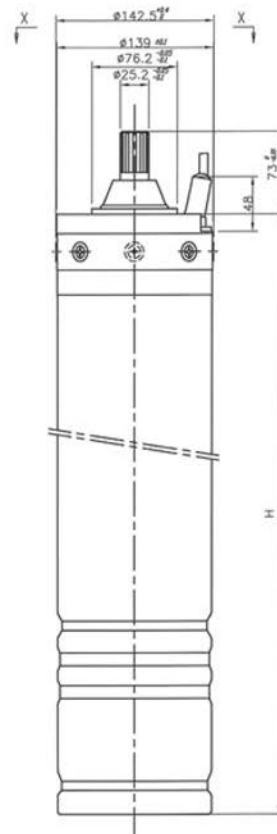
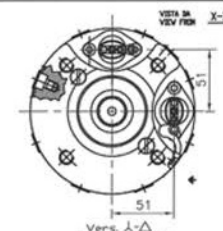
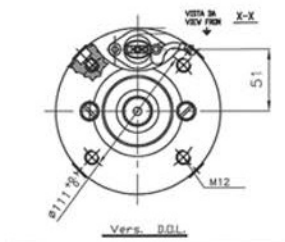


# MS6 Series

## 6"Rewindable Oil Filled Submersible Motor

### Technical Features

- Rewindable.
- Upper bracket: Nickel plated cast iron. SS316 available.
- Motor case: SS 304.
- Motor shaft: SS 304.
- Shaft extension and coupling: NEMA standard.
- High quality radial and thrust ball bearings.
- Winding: enameled copper - Class F insulation.
- Degree of protection IP68/Class B insulation.
- Max temp. 35° with water cooling flow min. 0.16 m/s.
- Max depth immersion: 150 m.
- Nos. of start per hour: max 30 at regular intervals.
- Over-dimensioned sand slinger.
- Mechanical seal: graphite/ceramic. SiC/SiC or SiC/Al mechanical seal available as option.
- Coolant: dielectric non toxic high quality lubricant.
- Motor cable length: 2,8 to 4 m according to motor size (3 wires plus ground).
- Voltage variation: +/-10%.
- Starting method: D.O.L / Star-Delta.
- CSCR single phase motor available.
- Suitable for horizontal operation.



| Type          | kW   | Hp   | Axial Thrust | H (mm) | Cable               |      |      | Weight (kg) |
|---------------|------|------|--------------|--------|---------------------|------|------|-------------|
|               |      |      |              |        | Sez mm <sup>2</sup> | A mm | B mm |             |
| ITOL 6 T 0550 | 4    | 5,5  | 10.000 N     | 540    | 4                   | 6,5  | 20,5 | 32          |
| ITOL 6 T 0750 | 5,5  | 7,5  | 10.000 N     | 570    |                     |      |      | 33          |
| ITOL 6 T 1000 | 7,5  | 10   | 10.000 N     | 600    |                     |      |      | 36          |
| ITOL 6 T 1250 | 9,2  | 12,5 | 10.000 N     | 600    |                     |      |      | 36          |
| ITOL 6 T 1500 | 11   | 15   | 10.000 N     | 700    |                     |      |      | 42          |
| ITOL 6 T 1750 | 12,8 | 17,5 | 10.000 N     | 700    |                     |      |      | 50          |
| ITOL 6 T 2000 | 15   | 20   | 10.000 N     | 760    |                     |      |      | 48          |
| ITOL 6 T 2500 | 18,5 | 25   | 10.000 N     | 825    | 6                   | 7    | 23,5 | 65          |
| ITOL 6 T 3000 | 22   | 30   | 10.000 N     | 887    |                     |      |      | 70,5        |
| ITOL 6 T 4000 | 30   | 40   | 20.000 N     | 1030   | 8                   | 8    | 27,5 | 90          |
| ITOL 6 T 5000 | 37   | 50   | 20.000 N     | 1030   |                     |      |      | 101         |

# MS6 Series

## 6" Rewindable Oil Filled Submersible Motor

| Three Phase |                  |             |        |      |      |      |         |                  |      |      |      |       |            |      |      |
|-------------|------------------|-------------|--------|------|------|------|---------|------------------|------|------|------|-------|------------|------|------|
| 50Hz        | Type             | Thrust load | Weight | H    | kW   | Hp   | In      | I <sub>max</sub> | RPM  | Cosφ | EEF% | Ts/Tn | A          | Ω    | Ω    |
|             |                  | N           | Kg     | mm   |      |      | I start | R mot            |      |      |      |       | Rf 2 leads |      |      |
| 380/415 V   | ITOL 6 T 550380  |             |        |      |      |      | 8,7     | 9,7              | 2850 | 0,84 | 78   | 2,3   |            |      |      |
|             | ITOL 6 T 550400  | 5000/10000  | 32     | 540  | 4    | 5,5  | 8,8     | 9,8              | 2860 | 0,82 | 76   | 2,4   | 45         | 2,71 | 4,13 |
|             | ITOL 6 T 550415  |             |        |      |      |      | 8,9     | 9,9              | 2870 | 0,8  | 74   | 2,6   |            |      |      |
|             | ITOL 6 T750380   |             |        |      |      |      | 12,6    | 14,0             | 2850 | 0,84 | 77   | 2,8   |            |      |      |
|             | ITOL 6 T 750400  | 5000/10000  | 40     | 570  | 5,5  | 7,5  | 12,5    | 13,9             | 2860 | 0,82 | 78   | 3,0   | 64         | 2,32 | 3,26 |
|             | ITOL 6 T 750415  |             |        |      |      |      | 12,4    | 13,8             | 2870 | 0,80 | 77   | 3,0   |            |      |      |
|             | ITOL 6 T1000380  |             |        |      |      |      | 17,2    | 19,1             | 2850 | 0,85 | 78   | 1,8   |            |      |      |
|             | ITOL 6 T1000400  | 10000       | 42     | 600  | 7,5  | 10   | 16,9    | 18,8             | 2860 | 0,82 | 77   | 2,5   | 78         | 1,84 | 2,66 |
|             | ITOL 6 T 1000415 |             |        |      |      |      | 16,5    | 18,3             | 2870 | 0,82 | 77   | 2,8   |            |      |      |
|             | ITOL 6 T 1250380 |             |        |      |      |      | 22,0    | 24,4             | 2850 | 0,82 | 79   | 2,4   |            |      |      |
|             | ITOL 6 T1250400  | 10000       | 45     | 600  | 9,2  | 12,5 | 21,5    | 23,9             | 2860 | 0,81 | 80   | 2,4   | 95         | 1,82 | 2,67 |
|             | ITOL 6 T 1250415 |             |        |      |      |      | 21,0    | 23,3             | 2870 | 0,79 | 78   | 2,6   |            |      |      |
|             | ITOL 6 T 1500380 |             |        |      |      |      | 24,1    | 26,8             | 2850 | 0,84 | 84   | 2,4   |            |      |      |
|             | ITOL 6 T 1500400 | 10000       | 48     | 700  | 11   | 15   | 23,7    | 26,3             | 2860 | 0,83 | 83   | 2,4   | 121        | 1,25 | 1,72 |
|             | ITOL 6 T 1500415 |             |        |      |      |      | 23,9    | 25,6             | 2870 | 0,80 | 80   | 2,4   |            |      |      |
|             | ITOL 6 T 1750380 |             |        |      |      |      | 28,0    | 30,0             | 2840 | 0,86 | 81   | 2,3   |            |      |      |
|             | ITOL 6 T 1750400 | 10000       | 50     | 700  | 12,8 | 17,5 | 27,8    | 29,7             | 2850 | 0,84 | 82   | 2,4   | 145        | 1,24 | 1,76 |
|             | ITOL 6 T 1750415 |             |        |      |      |      | 27,5    | 29,4             | 2860 | 0,82 | 81   | 2,4   |            |      |      |
|             | ITOL 6 T 2000380 |             |        |      |      |      | 31,4    | 33,6             | 2830 | 0,86 | 81   | 2,3   |            |      |      |
|             | ITOL 6 T 2000400 | 10000       | 54     | 760  | 15   | 20   | 30,4    | 32,5             | 2840 | 0,85 | 82   | 2,5   | 160        | 0,97 | 1,37 |
|             | ITOL 6 T 2000415 |             |        |      |      |      | 29,7    | 31,8             | 2860 | 0,84 | 81   | 2,5   |            |      |      |
|             | ITOL 6 T 2500380 |             |        |      |      |      | 41,5    | 44,4             | 2830 | 0,86 | 80   | 2,1   |            |      |      |
|             | ITOL 6 T 2500400 | 10000       | 65     | 830  | 18,5 | 25   | 38,3    | 41,0             | 2850 | 0,85 | 82   | 2,1   | 225        | 0,92 | 1,33 |
|             | ITOL 6 T 2500415 |             |        |      |      |      | 36,6    | 39,2             | 2860 | 0,82 | 83   | 2,2   |            |      |      |
|             | ITOL 6 T 3000380 |             |        |      |      |      | 46,5    | 49,8             | 2830 | 0,86 | 83   | 2,0   |            |      |      |
|             | ITOL 6 T 3000400 | 10000       | 70     | 890  | 22   | 30   | 44,0    | 47,1             | 2850 | 0,86 | 83   | 2,0   | 250        | 0,78 | 1,09 |
|             | ITOL 6 T 3000415 |             |        |      |      |      | 44,5    | 47,6             | 2860 | 0,84 | 82   | 2,1   |            |      |      |
|             | ITOL 6 T 4000380 |             |        |      |      |      | 63,0    | 67,4             | 2840 | 0,84 | 85   | 2,0   |            |      |      |
|             | ITOL 6 T 4000400 | 20000       | 90     | 1030 | 30   | 40   | 62,0    | 66,3             | 2860 | 0,86 | 86   | 2,0   | 330        | 0,61 | 0,78 |
|             | ITOL 6 T 4000415 |             |        |      |      |      | 58,0    | 62,1             | 2850 | 0,88 | 86   | 2,0   |            |      |      |
|             | ITOL 6 T 5000380 |             |        |      |      |      | 74,0    | 79,2             | 2850 | 0,88 | 85   | 2,0   |            |      |      |
|             | ITOL 6 T 5000400 | 20000       | 101    | 1170 | 37   | 50   | 72,0    | 77,0             | 2860 | 0,87 | 86   | 2,0   | 400        | 0,53 | 0,65 |
|             | ITOL 6 T 5000415 |             |        |      |      |      | 71,0    | 76,0             | 2870 | 0,86 | 85   | 2,0   |            |      |      |

| Single Phase |               |             |        |     |     |     |     |                  |      |      |      |       |         |      |        |      |      |
|--------------|---------------|-------------|--------|-----|-----|-----|-----|------------------|------|------|------|-------|---------|------|--------|------|------|
| 50Hz         | Type          | Thrust load | Weight | H   | kW  | Hp  | In  | I <sub>max</sub> | RPM  | Cosφ | EEF% | Ts/Tn | A       | Crun | Cstart | Ω    | Ω    |
|              |               | N           | Kg     | mm  |     |     | Amp |                  |      |      |      |       | I start | μF   | main   | aux  |      |
| 230V         | ITOL 6 T 750  | 10000       | 42     | 600 | 5,5 | 7,5 | 34  | 37               | 2880 | 0,94 | 74   | 1,2   | 175     | 120  | 350    | 0,44 | 0,83 |
|              | ITOL 6 T 1000 | 10000       | 48     | 700 | 7,5 | 10  | 46  | 48,5             | 2880 | 0,94 | 76   | 1,2   | 242     | 140  | 350    | 0,28 | 0,49 |
|              | ITOL 6 T 1500 | 10000       | 54     | 760 | 11  | 15  | 66  | 70,0             | 2860 | 0,96 | 76   | 1,2   | 330     | 160  | 380    | 0,26 | 0,39 |



# MS6 Series

## 6"Rewindable Oil Filled Submersible Motor

| Three Phase |      |             |        |    |    |    |       |             |     |      |      |       |         |       |            |
|-------------|------|-------------|--------|----|----|----|-------|-------------|-----|------|------|-------|---------|-------|------------|
| 60Hz        | Type | Thrust load | Weight | H  | kW | Hp | I.F.L | I S.F. load | RPM | Cosφ | EEF% | Ts/Tn | A       | Ω     | Ω          |
|             |      | N           | Kg     | mm |    |    | Amp   |             |     |      |      |       | I start | R mot | Rf 2 leads |
|             |      |             |        |    |    |    |       |             |     |      |      |       |         |       |            |

|          |              |            |     |      |      |      |       |       |      |      |    |     |      |      |      |
|----------|--------------|------------|-----|------|------|------|-------|-------|------|------|----|-----|------|------|------|
| 380V     | ITOL 6T 550  | 5000/10000 | 32  | 540  | 4    | 5,5  | 9,6   | 10,7  | 3440 | 0,86 | 74 | 2,4 | 1,15 | 0,8  | 0,40 |
|          | ITOL 6T 750  | 5000/10000 | 40  | 570  | 5,5  | 7,5  | 13,0  | 15,1  | 3450 | 0,82 | 79 | 2,4 |      | 1,4  | 0,70 |
|          | ITOL 6T 1000 | 10000      | 42  | 600  | 7,5  | 10   | 17,4  | 19,2  | 3440 | 0,82 | 80 | 2,3 |      | 1,1  | 0,57 |
|          | ITOL 6T 1250 | 10000      | 45  | 600  | 9,2  | 12,5 | 20,2  | 22,4  | 3450 | 0,84 | 81 | 2,3 |      | 1,57 | 0,79 |
|          | ITOL 6T 1500 | 10000      | 48  | 700  | 11   | 15   | 25,6  | 29,4  | 3460 | 0,81 | 82 | 2,1 |      | 0,96 | 0,48 |
|          | ITOL 6T 1750 | 10000      | 50  | 700  | 12,8 | 17,5 | 27,5  | 31,1  | 3450 | 0,85 | 82 | 2,1 |      | 0,93 | 0,47 |
|          | ITOL 6T 2000 | 10000      | 54  | 760  | 15   | 20   | 34,1  | 38,0  | 3450 | 0,81 | 83 | 2,1 |      | 0,74 | 0,37 |
|          | ITOL 6T 2500 | 10000      | 65  | 830  | 18,5 | 25   | 39,8  | 45,6  | 3460 | 0,83 | 84 | 2,1 |      | 0,69 | 0,35 |
|          | ITOL 6T 3000 | 10000      | 70  | 890  | 22   | 30   | 47,3  | 54,6  | 3450 | 0,83 | 85 | 2,1 |      | 0,65 | 0,33 |
|          | ITOL 6T 4000 | 20000      | 90  | 1030 | 30   | 40   | 66,2  | 75,0  | 3450 | 0,81 | 85 | 2,0 |      | 0,53 | 0,37 |
|          | ITOL 6T 5000 | 20000      | 101 | 1170 | 37   | 50   | 84,5  | 96,0  | 3440 | 0,82 | 82 | 2,0 |      | 0,21 | 0,31 |
| 220/230V | ITOL 6T 550  | 5000/10000 | 32  | 540  | 4    | 5,5  | 15,9  | 16,8  | 3440 | 0,83 | 74 | 2,4 | 1,15 | 0,80 | 0,40 |
|          | ITOL 6T 750  | 5000/10000 | 40  | 570  | 5,5  | 7,5  | 23,5  | 26,2  | 3450 | 0,82 | 72 | 2,4 |      | 0,65 | 0,33 |
|          | ITOL 6T 1000 | 10000      | 42  | 600  | 7,5  | 10   | 29,0  | 32,8  | 3440 | 0,81 | 80 | 2,3 |      | 0,69 | 0,35 |
|          | ITOL 6T 1250 | 10000      | 45  | 600  | 9,2  | 12,5 | 35,0  | 38,8  | 3450 | 0,82 | 80 | 2,3 |      | 0,71 | 0,36 |
|          | ITOL 6T 1500 | 10000      | 48  | 700  | 11   | 15   | 39,8  | 47,2  | 3440 | 0,85 | 82 | 2,1 |      | 0,46 | 0,23 |
|          | ITOL 6T 1750 | 10000      | 50  | 700  | 12,8 | 17,5 | 47,0  | 53,8  | 3450 | 0,83 | 82 | 2,1 |      | 0,45 | 0,23 |
|          | ITOL 6T 2000 | 10000      | 54  | 760  | 15   | 20   | 54,5  | 61,5  | 3450 | 0,85 | 82 | 2,1 |      | 0,38 | 0,19 |
|          | ITOL 6T 2500 | 10000      | 65  | 830  | 18,5 | 25   | 67,5  | 76,0  | 3460 | 0,82 | 84 | 2,1 |      | 0,39 | 0,20 |
|          | ITOL 6T 3000 | 10000      | 70  | 890  | 22   | 30   | 80,2  | 91,0  | 3450 | 0,82 | 85 | 2,1 |      | 0,32 | 0,16 |
|          | ITOL 6T 4000 | 20000      | 90  | 1030 | 30   | 40   | 115,0 | 130,0 | 3450 | 0,81 | 85 | 2,0 |      | 0,12 | 0,06 |
|          | ITOL 6T 5000 | 20000      | 101 | 1170 | 37   | 50   | 172,0 | 196,0 | 3440 | 0,83 | 85 | 2,0 |      | 0,12 | 0,06 |
| 460V     | ITOL 6T 550  | 5000/10000 | 32  | 540  | 4    | 5,5  | 7,8   | 8,9   | 3440 | 0,85 | 76 | 2,4 | 1,15 | 2,78 | 3,83 |
|          | ITOL 6T 750  | 5000/10000 | 40  | 570  | 5,5  | 7,5  | 11,0  | 12,6  | 3450 | 0,82 | 78 | 2,4 |      | 2,40 | 2,55 |
|          | ITOL 6T 1000 | 10000      | 42  | 600  | 7,5  | 10   | 14,9  | 16,8  | 3440 | 0,82 | 77 | 2,3 |      | 1,78 | 2,47 |
|          | ITOL 6T 1250 | 10000      | 45  | 600  | 9,2  | 12,5 | 19,8  | 22,4  | 3440 | 0,81 | 78 | 2,3 |      | 1,73 | 2,59 |
|          | ITOL 6T 1500 | 10000      | 48  | 700  | 11   | 15   | 21,0  | 24,0  | 3440 | 0,81 | 80 | 2,1 |      | 1,19 | 1,68 |
|          | ITOL 6T 1750 | 10000      | 50  | 700  | 12,8 | 17,5 | 25,1  | 28,2  | 3440 | 0,86 | 81 | 2,1 |      | 1,26 | 1,62 |
|          | ITOL 6T 2000 | 10000      | 54  | 760  | 15   | 20   | 27,2  | 30,6  | 3450 | 0,84 | 81 | 2,1 |      | 0,94 | 1,31 |
|          | ITOL 6T 2500 | 10000      | 65  | 830  | 18,5 | 25   | 33,8  | 38,0  | 3440 | 0,84 | 82 | 2,1 |      | 0,88 | 1,32 |
|          | ITOL 6T 3000 | 10000      | 70  | 890  | 22   | 30   | 40,2  | 45,5  | 3440 | 0,83 | 83 | 2,1 |      | 0,74 | 1,04 |
|          | ITOL 6T 4000 | 20000      | 90  | 1030 | 30   | 40   | 53,0  | 61,8  | 3450 | 0,84 | 85 | 2,0 |      | 0,38 | 0,56 |
|          | ITOL 6T 5000 | 20000      | 101 | 1170 | 37   | 50   | 72,0  | 76,0  | 3440 | 0,83 | 85 | 2,0 |      | 0,31 | 0,45 |

| Single Phase |              |             |        |     |     |     |     |                  |      |      |      |       |         |      |        |      |      |
|--------------|--------------|-------------|--------|-----|-----|-----|-----|------------------|------|------|------|-------|---------|------|--------|------|------|
| 60Hz         | Type         | Thrust load | Weight | H   | kW  | Hp  | In  | I <sub>max</sub> | RPM  | Cosφ | EEF% | Ts/Tn | A       | Crun | Cstart | Ω    | Ω    |
|              |              | N           | Kg     | mm  |     |     | Amp |                  |      |      |      |       | I start | μF   | main   | aux  |      |
| 230V         | ITOL 6T 750  | 10000       | 42     | 600 | 5,5 | 7,5 | 34  | 37               | 2880 | 0,94 | 74   | 1,2   | 175     | 120  | 350    | 0,44 | 0,83 |
|              | ITOL 6T 1000 | 10000       | 48     | 700 | 7,5 | 10  | 46  | 48,5             | 2880 | 0,94 | 76   | 1,2   | 242     | 140  | 350    | 0,28 | 0,49 |
|              | ITOL 6T 1500 | 10000       | 54     | 760 | 11  | 15  | 66  | 70,0             | 2860 | 0,96 | 76   | 1,2   | 330     | 160  | 380    | 0,26 | 0,39 |





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