



## TFWL SERIES BRUSHLESS THREE-PHASE A.C. SYNCHRONOUS GENERATORS

### ELECTRIC PERFORMANCE

The voltage adjust for 110V、220V、400V、480V etc.The frequency is 50Hz/60Hz.It is adopted with brushless exciting system.

Insulation class:H; Protection class:IP22~23; Steady-state voltage regulation rate  $\leq \pm 1\%$ ;Transient-state voltage  $\leq \begin{smallmatrix} +20\% \\ -15\% \end{smallmatrix}$ ;The line voltage waveform distortion rate  $\leq 5\%$ ;

Voltage adjust range  $\geq \pm 10\%$ UN: Ambient temperature  $\leq \pm 40$  ;Altitude  $\leq 40$  ;Altitude  $\leq 1000\text{m}$ ; Air relative humidity  $\leq 90\%$ .

### Technical Data

| Model    | Rated Power (KW) | Rated Capacity (KVA) | Fre. (HZ) | Voltage (v) | Model    | Rated Power (KW) | Rated Capacity (KVA) | Fre. (HZ) | Voltage (V) |
|----------|------------------|----------------------|-----------|-------------|----------|------------------|----------------------|-----------|-------------|
| TFWL-10  | 10               | 12.5                 | 50/60     | 400V        | TFWL-220 | 220              | 275                  | 50/60     | 400V        |
| TFWL-12  | 12               | 15                   | 50/60     | 400V        | TFWL-250 | 250              | 312.5                | 50/60     | 400V        |
| TFWL-16  | 16               | 20                   | 50/60     | 400V        | TFWL-280 | 280              | 350                  | 50/60     | 400V        |
| TFWL-20  | 20               | 25                   | 50/60     | 400V        | TFWL-300 | 300              | 375                  | 50/60     | 400V        |
| TFWL-24  | 24               | 30                   | 50/60     | 400V        | TFWL-320 | 320              | 400                  | 50/60     | 400V        |
| TFWL-30  | 30               | 37.5                 | 50/60     | 400V        | TFWL-350 | 350              | 437.5                | 50/60     | 400V        |
| TFWL-40  | 40               | 50                   | 50/60     | 400V        | TFWL-400 | 400              | 500                  | 50/60     | 400V        |
| TFWL-50  | 50               | 62.5                 | 50/60     | 400V        | TFWL-420 | 420              | 525                  | 50/60     | 400V        |
| TFWL-64  | 64               | 80                   | 50/60     | 400V        | TFWL-450 | 450              | 562.5                | 50/60     | 400V        |
| TFWL-75  | 75               | 93.75                | 50/60     | 400V        | TFWL-500 | 500              | 625                  | 50/60     | 400V        |
| TFWL-90  | 90               | 112.5                | 50/60     | 400V        | TFWL-520 | 520              | 650                  | 50/60     | 400V        |
| TFWL-100 | 100              | 125                  | 50/60     | 400V        | TFWL-550 | 550              | 687.5                | 50/60     | 400V        |
| TFWL-120 | 120              | 150                  | 50/60     | 400V        | TFWL-600 | 600              | 750                  | 50/60     | 400V        |
| TFWL-150 | 150              | 187.5                | 50/60     |             |          |                  |                      |           |             |