



TFWL 系列无刷三相交流同步发电机

TFWL SERIES THREE-PHASE A.C SYNCHRONOUS BRUSHLESS GENERATOR



简介 INTRODUCTION:

TFWL系列无刷三相交流同步发电机引进、消化、吸收了国际先进的电机制造技术而自行设计研制的新一代交流同步发电机。

该系列发电机符合绝大多数国际标准，也适合于以下各项标准：

国际电工委员会推荐标准IEC34-1

国际标准化组织推荐标准ISO8528

NEMA标准

产品性能优越，质量可靠，维护方便发电机与原动机可刚性联接或弹性联接，作为小型电站、工厂、大厦及工地等照明及动力电源之用。

TFWL Series three-phase A.C. Synchronous brushless generators absorb international advanced technology of manufacturing electric machinery. It's the new-type designed and developed A.C. synchronous generator by ourselves.

This series generators accord with most of international standards, and also accord with the following standards:

International Electrician Committee Command Standard IEC34

International Standardization Organization Command Standard ISO8528

NEMA Standard

The products have outstanding performance, reliable quality, convenient maintenance. The generator and the engine can be connected with steel or flexible material. As a small-type generating station, it can be used in factories, buildings and worksites for lightening and electric power source.

机械特性 MECHANICAL SPECIFICATION

钢制机座

铸铁端盖

优质硅钢片

进口轴承

安装形式：

单轴承带有标准的SAE联接和SAE驱动片

双轴承带有标准的轴伸和法兰联接端盖

Steel frame

Cast iron cover

Excellent silicon steel chip

Import bearing

Mounting type:

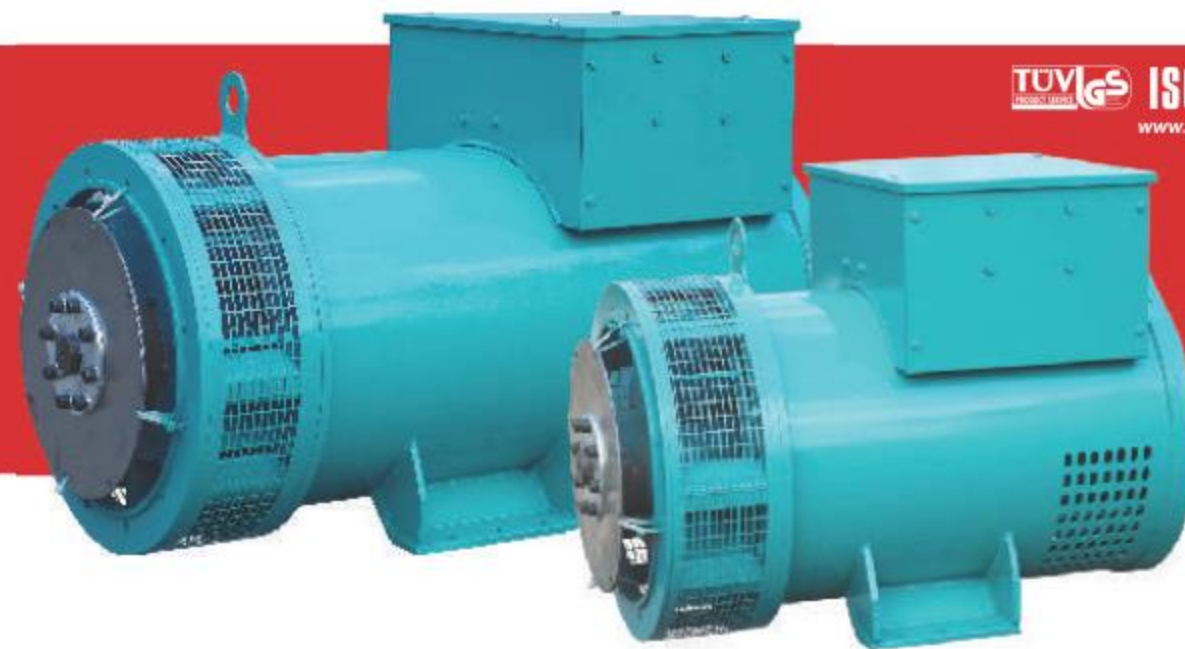
Single bearing with standard SAE connection and SAE driving chip

Double bearing with standard shaft extension and flange connection cover

电气性能 ELECTRIC PERFORMANCE

额定电压400V，频率50Hz，转速1500r/min，三相四线制，发电机采用无刷励磁，绝缘等级：H级；防护等级：IP22；稳态电压调整频率 $\leq \pm 1\%$ ；瞬态电压调整率 $\leq \pm 1\%$ ；线电压波形正弦性畸变率 $\leq \begin{matrix} +20\% \\ -15\% \end{matrix}$ ；电压整定范围 $\geq \pm 10\%UN$ ；使用环境条件：环境空气温度 $\leq \pm 40^\circ C$ ；海拔高度 $\leq 1000m$ ；空气相对湿度 $\leq 90\%$ 。

The rated voltage is 400V. The frequency is 50Hz. The speed is 1500r/min. It is three phases, four wires type with brushless exciting system. Insulation class: H; Protection class: IP22; Steady-state voltage regulation rate $\leq \pm 1\%$; Transient-state voltage $\leq \begin{matrix} +20\% \\ -15\% \end{matrix}$; The line voltage waveform distortion rate $\leq 5\%$; Voltage adjust range $\geq \pm 10\%UN$; Ambient temperature $\leq \pm 40^\circ C$; Altitude $\leq 1000m$; Air relative humidity $\leq 90\%$.



TUV GS ISO9001 CE
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性能参数 PERFORMANCE SPECIFICATION

型号 Model	额定功率 Rated Output (KW)	额定容量 Rated Capacity (KVA)	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	电压调整率 Volt.adjust	功率因数 Power Factor (Cos φ)	额定转速 Rated Speed (r/min)
TFWL-10	10	12.5	400	18.1	$\pm 1\%$	0.8	1500
TFWL-12	12	15		21.7			
TFWL-16	16	20		28.8			
TFWL-20	20	25		36.1			
TFWL-24	24	30		43.3			
TFWL-30	30	37.5		54.1			
TFWL-40	40	50		72.2			
TFWL-50	50	62.5		90.2			
TFWL-64	64	80		115.6			
TFWL-75	75	93.75		135.5			
TFWL-90	90	112.5		162.5			
TFWL-100	100	125		180.4			
TFWL-120	120	150		216.1			
TFWL-150	150	187.5		271			
TFWL-160	160	200		288.6			
TFWL-180	180	225		324.7			
TFWL-200	200	250		360.8			
TFWL-220	220	275		396.8			
TFWL-250	250	312.5		451			
TFWL-280	280	350		505			
TFWL-300	300	375		541			
TFWL-320	320	400		577			
TFWL-350	350	437.5		631.5			
TFWL-400	400	500		721.7			
TFWL-450	450	562.5		813			
TFWL-500	500	625		903			
TFWL-600	600	750		1084			
TFWL-720	720	900		1300			
TFWL-800	800	1000		1445			