

ALTERNATOR

APPLICATION AND STANDARDS

SUPER RELIABLE MACHINE, MAINLY LAND-USED AS PRIME OR STANDBY POWER

COMPLY WITH STANDARDS OF IEC60034, NEMA MG1-22, ISO8528, CSA C22.2-100, VDE 0530, GB755

SPECIAL FEATURES

- ❑ **OVERLOAD** : 15% OVERLOAD FOR 1 HOUR EVERY 12 HOURS
- ❑ **WINDING PROTECTION** : VPI(VACUUM PRESSURE IMPREGNATION)+ EPOXY RESIN+ ANTI-HARSH PAINTING
- ❑ **SUPER SILENCE** : FAN, MADE OF STEEL, ROTATING EVENLY
- ❑ **VIBERATION** : MOST RIGID DYNAMIC-BALANCED ROTOR AND STRONGER BODY
- ❑ **EXCITATION** : THE AUXILIARY WINDING AND PMG IS OPTIONAL
- ❑ **THERMAL OVERLOAD** : WINDING AND BEARING DETECTOR CAN BE EQUIPPED UPON CUSTOMER REQUEST
- ❑ **BEARING** : BIGGER SIZE AND SEAL FOR LIFE
- ❑ **TERMINAL BOX**: THREE OPTIONS: HIGH, LOW AND NONE (2mm-CABLE EXTENTION)
- ❑ **DIODE**: ACCESS FROM NON-DRIVE END FOR EASY-MAINTENANCE
- ❑ **AVR**: AS440 STANDARD, CAN BE UPGRADED TO R438 FOR 3-TIME SHORT CIRCUIT CAPABILITY



GENERAL FEATURES

WIRE WOUND AND CLASS H THERMAL INSULATION

IP23, STANDARD EQUIPPED, AND IP44, IP54 UPON CUSTOMER REQUEST ROUND-SHAPE MACHINE BODY FOR BETTER CENTERLIZATION NAMEPLATE, MADE OF STEEL OR PLASTIC

SPACE HEATER: CAN BE EQUIPPED UPON REQUEST.

VEGA LOGO STAMPED TO THE TOP COVER OF T-BOX

COMMON DATA

Insulation	Altitude	Overspeed	Protection	Leads	Pitch	AVR	Voltage Regulation	Wareform Distortion	TIF	THF
H/H	<=1000m	2250rpm	IP23	6	2/3	MX341	±1	<1,5% No load	<50	<2%

RATING TABLE

H CLASS	50Hz/1500RPM/PF 0.8											60Hz/1800RPM/PF 0.8										
TEMP.	125°C /40°C PRIME POWER								163°C /27°C Standby		Effi.	125°C /40°C PRIME POWER								163°C /27°C Standby		Effi.
STAR	380	400	415	440	400	400	416	440	460	480	480	416	440	460	480	480	480	480	480	480	480	480
DELTA	220	230	240	254	230	230	240	254	266	277	277	240	254	266	277	277	277	277	277	277	277	277
RATING	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	%	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	%
VGU400B	710	568	750	600	750	600	685	548	792	634	94.4	810	648	855	684	895	716	938	750	980	784	94.8
VGU400C	765	612	800	640	800	640	730	584	840	672	94.6	865	692	916	733	958	766	1000	800	1045	836	94.9
VGU400D	875	700	915	732	915	732	830	664	958	766	94.6	986	789	1043	834	1090	872	1138	910	1190	952	94.8
VGU400E	960	768	1020	816	1020	816	920	736	1055	844	95.0	1083	866	1145	916	1197	958	1250	1000	1305	1044	95.2
VGU400F	1100	880	1138	910	1138	910	1050	840	1200	960	95.2	1204	963	1274	1019	1332	1066	1390	1112	1450	1160	95.5
VGU400G	1200	960	1250	1000	1250	1000	1150	920	1320	1056	95.4	1310	1048	1386	1109	1449	1159	1513	1210	1580	1264	95.7
VGU400J	1325	1060	1375	1100	1375	1100	1265	1012	1444	1155	95.5	1419	1135	1488	1190	1550	1240	1625	1300	1694	1355	95.7

VGU400 B/C/D/E/F/G/J

OUTLINE DRAWING



DATA TABLE-SINGLE BEARING

Flange mm							Disc(mm)					
SAE#	BD	AK	AJ	BF	N	U °	SAE#	BX	P	X	Y	AH
SAE 810	810	584.20	619.12	14	12	15	24	733.42	692.15	12	20.7	0
SAE 810	810	647.70	679.70	14	16	11.25	21	673.10	641.35	12	16.7	0
SAE 883	883	787.40	850.90	14	16	11.25	18	571.50	542.92	6	16.7	15.7
							14	466.72	438.15	8	13.5	25.4