



- DATA SHEET -

GE Consumer & Industrial
Custom 8000 (R)
Wound Rotor Motor

CUSTOMER : FLORIDA ROCK INDUSTRIES
MACHINE: FINISH MILLMAIN DRIVE
MOTOR ITEM NO.: 2N01-MD01.M01
M.B.O.

CUSTOMER ORDER :

GE MODEL : 291R625	DESIGN : KM713P340A
SO : 2870079	RI : 132-1-6320/05
QTY : 1	SERIAL # : 287000134

POWER : 6500.0 HP	TYPE : M
POLES : 6	FRAME : 8713S
VOLTAGE : 4000 V	ENCLOSURE : TEFV
FREQUENCY : 60.0 Hz	SERVICE FACTOR : 1.0
PHASES : 3	INSULATION CLASS : F (POLYSEAL)
TEMPERATURE RISE : 80°C / RES @ SF 1.0	TEMPERATURE CLASS : B

DRIVEN LOAD : FINISH MILL DRIVE	MAX. ALTITUDE : 3300 ft
LOAD WK2 REF.TO MOTOR SHAFT : 11750 Lbft ²	AMB. TEMP. (MIN/MAX) : -18/40 °C

Calculated Performance

RATED RPM : 1190	BREAKDOWN TORQUE : 250%
RATED CURRENT : 829 A	COUPLING TYPE : FLEXIBLE
RATED TORQUE : 28612 Lbft	ARRANGEMENT : F2
RATED KVA : 5743	ROTATION : CW ODE
STATOR CONNECTION : Y	
STARTING METHOD : BY RHEOSTAT	
TIME RATING : CONTINUOUS	
TOTAL WEIGHT (calculated) : 48500 Lb	MAX. BRG.VIBR. [pk] : 0.12 in/sec
ROTOR WK2 (calculated) : 20000 Lbft ²	BEARING TYPE : SLEEVE
	BEARING LUBRICATION : OIL
NOISE PRESSURE LEVEL(dBA) : 90 @ 3.3 ft	SECONDARY VALUES
MAX CAPACITOR KVA _r : 1350	VOLTAGE : 3370 V
STATOR RESIST. @ 25C : 0.0192 Ohms L-L	CURRENT : 875 A
	ROTOR RESIST. @25°C : 0.020 Ohms
EXTERNAL RESISTOR : 2.149 Ohms L-N	ROTOR CONNECTION : Y
OPEN CIRC. TIME CONSTANT : 1.7200 s	ROTOR TEMPERATURE RISE : 100 / RES
OUTLINE NUMBER : M87D100181	
INSTRUCTION BOOK : GEEP-199I	STATOR / ROTOR (SLOTS) : 108 / 90

NOTES

VIBRATION LIMITS BASED ON MOTOR RUNNING UNCOUPLED AND WITH BEARING TEMPERATURE STABILIZED IN STIFF BASE.
LIFTING SHAFT PUMP SYSTEM

CAUTION : DO NOT OPERATE WITHOUT FORCED LUBE SYSTEM

PREPARED BY : JOSE LUIZ DE MORAES
APPROVED :

SH 1 OF 2

10-05-2006 | REV : 3

DS2870079

MODEL : 291R625

SO : 2870079

RI : 132-1-6320/05

Calculated Performance

Load(%)	P.F (pu)	Eff(%)	Curr. (A)
No Load			228
100	0.88	96.0	829.0
75	0.86	95.9	636.0
50	0.80	95.3	459.0

ACCESSORIES

- 2 SOLEPLATE
- 2 BEARING RTD'S - PT 100 OHMS AT 0 C
Alarm = 95 °C Trip = 105 °C
- 6 STATOR RTD'S - PT 100 OHMS AT 0 C
Alarm = 135 °C Trip = 140 °C
- 1 HEATER - 2400W - 120V 1PH
- 3 ARRESTER # 9L11XPT005S or Equivalent
- 1 SURGE CAPACITOR # 18L0015WH (3 POLES)
- 3 CURRENT TRANSFORMER 50:5 (STANDARD)

TESTS

- WINDING RESISTANCE
- INSULATION RESISTANCE TO GRD
- HIGH POTENTIAL TEST
- NO LOAD TEST
- MECHANICAL BALANCE
- MEASURE OF OPEN CIRCUIT VOLT

NOTES

- (01) PROVISION FOR (2) VIBRATION DETECTOR SENSOR MODEL VS-068
- (01) SHIMS PACK AND DOWEL PINS
- (01) BLOWER VENTILATION SYSTEM (SEE OUTLINE)

REVISIONS

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| Rev1 : MAIN CONDUIT BOX WAS F1 | 01-11-07 |
| Rev2 : REV TEMP RISE AND LOAD INERTIA AS SPECIFICATION | 05-19-07 |
| Rev3 : AD LIFTING PUMP SYSTEM, CHGD PROTECTION | 09-19-07 |

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