



- DATA SHEET -

Pegasus
SQUIRREL CAGE MOTOR

CUSTOMER :	
CUSTOMER ORDER :	
GE MODEL : 5PK82121596601M SO : 7820011 QTY : 1	DESIGN : PC230W340A RI : 5011847 SERIAL # :
POWER : 1000 HP POLES : 6 VOLTAGE : 4000 / 2300 V FREQUENCY : 60 Hz PHASES : 3 TEMPERATURE RISE : 90°C / RTD @ SF 1.00	TYPE : PK FRAME : 8212Z ENCLOSURE / COOLING : WP11 SERVICE FACTOR : 1.15 INSULATION CLASS : F TEMPERATURE CLASS : B
DRIVEN LOAD : LOAD WK2 REF.TO MOTOR SHAFT : 18820 Lbft ²	MAX. ALTITUDE : 3300 ft AMB. TEMP. (MIN/MAX) : -18/40 °C
Calculated Performance	
RATED RPM : 1193 RPM RATED CURRENT : 138 / 240202 A RATED TORQUE : 4402 Lbft RATED KVA : 956 STATOR CONNECTION : Y MIN. STG .VOLTAGE : 90% V TIME RATING : CONTINUOUS TOTAL WEIGHT (calculated) : 8850 Lb ROTOR WK2 (calculated) : 632 Lbft ² NOISE LEVEL(dBA) : 85 @ 3.3 ft MAX CAPACITOR KVA _r : 300 STATOR RESIST. @ 25C : 0.2180 ohm L-L X / R RATIO : 12.469 OPEN CIRC. CONSTANT : 1.0806 s OUTLINE NUMBER : D0019793 INSTRUCTION BOOK : GEEP-1401	NEMA STARTING CODE : J LOCKED ROTOR CURRENT : 750% LOCKED ROTOR TORQUE : 135% PULL UP TORQUE : 135% BREAKDOWN TORQUE : 260% COUPLING TYPE : DIRECT ARRANGEMENT : F1 ROTATION : * MAX. BRG.VIBR. [pk] : 0.12 in/sec BEARING TYPE : ANTI-FRICTION BEARING LUBRICATION : GREASE LOCKED ROTOR TIME (100% V) COLD : 25 s HOT : 20 s ACCELERATION TIME : NUMBER OF STARTS (NEMA MG1-20.12) COLD : 2 HOT : 1 STATOR / ROTOR (SLOTS) : 72 / 58
NOTES VIBRATION LIMITS BASED ON MOTOR RUNNING UNCOUPLED AND WITH BEARING TEMPERATURE STABILIZED IN STIFF BASE. MOTOR HAS STATOR LEADS LONG ENOUGH FOR BOX TO BE POSITIONED AT F1 OR F2 ARRANGEMENT * ROTATION: PLEASE REFER TO ROTATION DIRECTION INDICATED ON THE MOTOR OUTLINE DRAWING	
PREPARED BY : MOACIR DANIEL APPROVED :	SH 1 OF 2 DS7820011_1000
06-23-2017 REV : 0	



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SQUIRREL CAGE MOTOR

MODEL : 5PK82121596601M

SO : 7820011

RI : 5011847

Calculated Performance at 4000 Volts

Load(%)	P.F (pu)	Eff(%)	Curr. (A)
No Load			58
100	0.82	95.2	138
75	0.77	95.1	110
50	0.67	95.0	84.6

Calculated Performance at 2300 Volts

Load(%)	P.F (pu)	Eff(%)	Curr. (A)
No Load			101
100	0.82	95.2	240
75	0.77	95.1	191
50	0.67	95.0	147

ACCESSORIES

- 2 BEARING RTD - PT100 - SINGLE
Alarm = 90 °C Trip = 100 °C
- 2 STAINLESS STEEL AIR FILTERS
- 6 STATOR RTD-Pt 100 Ohms AT 0C
Alarm = 145 °C Trip = 155 °C
- 2 HEATER 400W - 120/240V - 1PH
- 1 PROVISION FOR AIR DIFF. PRESSURE SWITCH

TESTS

AC HIGH-POTENTIAL
PHASE SEQUENCE
NO-LOAD LOSSES
INSULATION RESISTANCE
NO-LOAD CURRENT EACH PHASE
NO-LOAD SPEED
WINDING RESISTANCE
MECHANICAL VIBRATION

NOTES

CUSTOMER TESTS SPECS :

REVISIONS

PREPARED BY : MOACIR DANIEL
APPROVED :

06-23-2017 REV : 0

SH 2 OF 2

DS7820011_1000