

Product Information Packet

May 6, 2017

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	5KS364DAJ5008C
Catalog Number:	V4212
Instruction Manual:	GEK-95353
Connection Diagram:	GEM2034E-FIG24
Outline Drawing:	148CB36VMHKBCAA0001

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	3027JE-1C
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS364DAJ5008C	Estimated Weight:	820 Lbs
Outline Drawing:	148CB36VMHKBCAA0001	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG24	Enclosure:	WPI
Instruction Book:	GEK-95353	Encl Construction:	OPEN
Design Code:	36BD0144AA	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	L364TP16	Insulation Class:	H
Phases:	3	NEMA Design:	B
Poles:	2	Nominal Efficiency:	93.6 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	92.4
RPM:	3575	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	G
Hertz:	60	Max KVAR:	21.3
Amps - FL:	87.7	Power Factor:	85.5
Service Factor:	1.15	Bearing - DE:	6212C3
Alt Service Factor:	--	Bearing - ODE:	235A2523AD01

Enclosure is Weather Protected One

Stamped Nameplate Notes:

HTR LDS HE1-HE2 115V 100W
 ROT CCW FACING ODE LEAD/PH SEQ 1-2-3/1-2-3
 INVERTER DUTY PER NEMA MG1 PART 31
 ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT
 VAR TORQUE RANGE 2.5-60 HZ
 UPPER BRG LUBE OIL: 3.7 QTS
 0 DEG C TO 40 DEG C : ISO 32(MINERAL OR SYNTHETIC)
 -15 DEG C TO 0 DEG C : ISO 32 SYNTHETIC
 SUITABLE FOR 60 HP, 380V, 50 HZ WITH
 90.8 AMPS AND 2975 RPM AT 1.00 SF

Additional Information:

2P, VERT HOLLOW SHAFT HIGH THRUST (1D)
 346 CU IN - 3.00" NPT
 OIL RESISTANT SLEEVING ON LEADS
 115V HTR LDS TO MAIN CONDUIT BOX
 BEARING LIFE 8760 HRS AT 5225 LB THRUST
 PART WINDING START
 CG:15.23 IN FROM P-BASE FACE, STAT DEF:0.0043 IN
 RCF:2880 CPM AT C/BOX SIDE, 2850 CPM AT
 90 DEG FROM C/ BOX SIDE
 NON-REVERSE BALL CARRIER
 COUPLING NOT INCLUDED IN BOM, WILL BE
 ORDERED SEPERATELY;
 SPECIAL BALANCE;

Performance Characteristics

1st Winding 1st Connection

Design: 36BD0144AA

Marks:

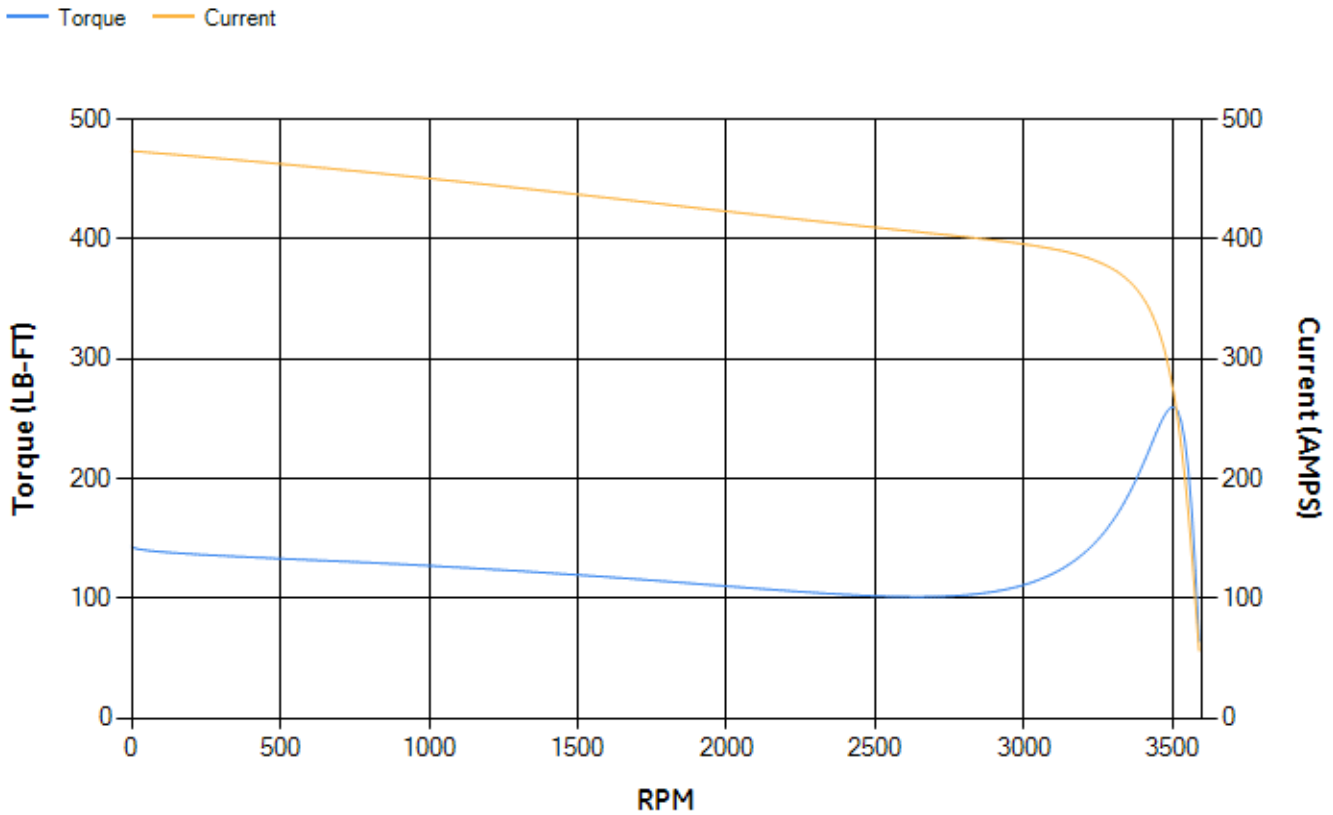
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.32	93.5	93.86	93.53	92.44	87.98	0.00
% PF	86.43	86.27	85.58	82.56	74.72	54.12	7.05
AMPS	108.78	100.08	87.19	68.18	50.81	36.85	29.65

TORQ(FL)#FT	110.17	TORQ(LR)%FL	129.97	TORQ(BD)%FL	235.67
AMPS(LR)	473.54	PF AT START	0.31		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 180 Lb-Ft Sq (7.58 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 24 seconds. Safe stall time at 100% voltage is 41 seconds cold, 31 seconds hot. Rotor inertia is 7.03 Lb-Ft Sq (0.3 Kg-meter Sq).

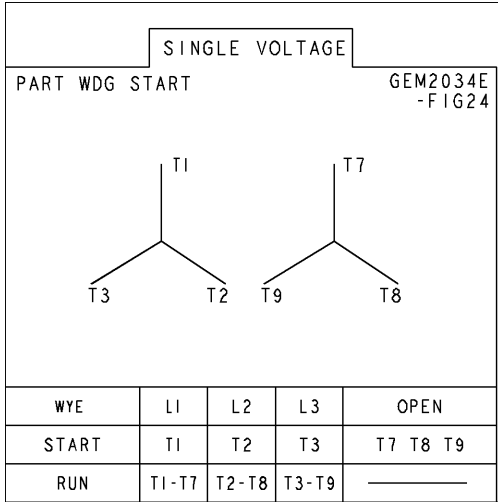
Open Circuit A-C:	1.063	Short Circuit D-C:	0.025
Short Circuit A-C:	0.062	X/R Ratio:	9.418
Stator Slots:	48	Rotor Slots:	38

Speed Torque Current Curve (First Connection, First Speed)



Marks:

Connection Diagram
GEM2034E-FIG24



Heater Connection
3027JE-1C



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E7255AA1	115E7259LA1
Bearing	235A2509BE01	235A2523AD01
Slinger/Inproseal	235A2300FM1	

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	161C1053AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	