

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 11437958		Catalog # : 00536ET3E184T-W22	
Frame	: 182/4T			Locked rotor time	: 45s (cold) 25s (hot)	
Output	: 5 HP (3.7 kW)			Temperature rise	: 80 K	
Poles	: 2			Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz			Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/460 V			Altitude	: 1000 m.a.s.l.	
Rated current	: 11.8/5.90 A			Protection degree	: IP55	
L. R. Amperes	: 89.7/44.8 A			Cooling method	: IC411 - TEFC	
LRC	: 7.6x(Code J)			Mounting	: F-1	
No load current	: 4.00/2.00 A			Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3485 rpm			Noise level ²	: 66.0 dB(A)	
Slip	: 3.19 %			Starting method	: Direct On Line	
Rated torque	: 7.53 ft.lb			Approx. weight ³	: 92.1 lb	
Locked rotor torque	: 229 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.2233 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	86.1	86.5	88.5	88.5	Max. traction	: 140 lb
Power Factor	0.51	0.76	0.85	0.89	Max. compression	: 232 lb
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
12.4	9.9	8.9	6.2	3.7	2.3	1.4
			Drive end	Non drive end		
Bearing type	:			6207 ZZ	6206 ZZ	
Sealing	:			V'Ring	V'Ring	
Lubrication interval	:			-	-	
Lubricant amount	:			-	-	
Lubricant type	:			Mobil Polyrex EM		
Notes						
USABLE @208V 13.1A SF 1.15 SFA 15.0A						
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	10/05/2023				1 / 2	

VFD OPERATION CURVE

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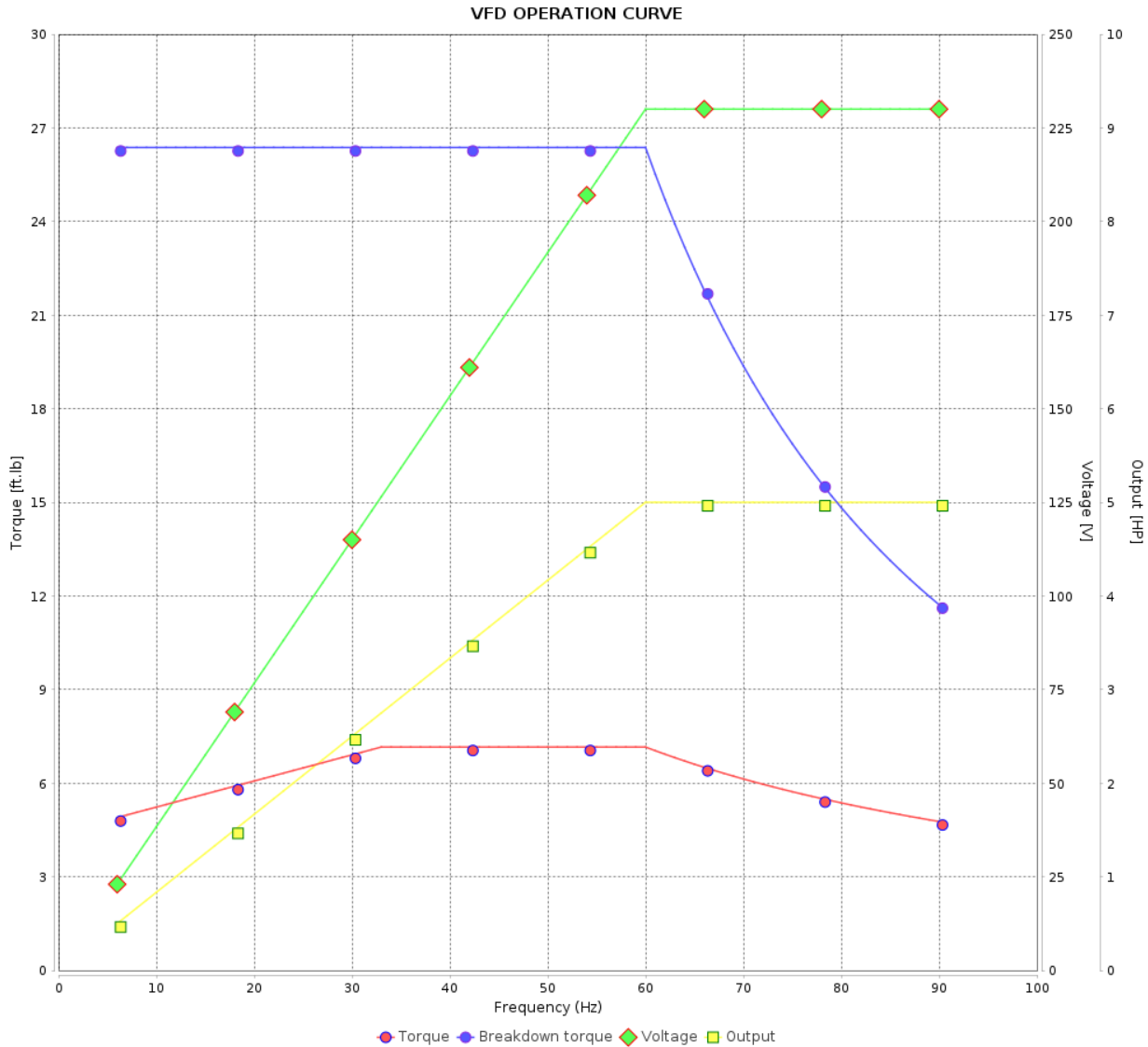


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437958

Catalog # : 00536ET3E184T-W22



Performance : 230/460 V 60 Hz 2P

Rated current : 11.8/5.90 A
 LRC : 7.6
 Rated torque : 7.53 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 350 %
 Rated speed : 3485 rpm

Moment of inertia (J) : 0.2233 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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MODEL 00536ET3E184T-W22

Inverter Duty Motor
Severe Duty



For use on 60Hz
Class I, Div 2, Gr A, B, C and D - T3
Class I, Zone 2, IIC - T3
Class II, Div 2, Gr F and G - T5
For use on PWM: Gr. A, B, C, D, F and G,
VT 1000:1, CT 20:1, 1.00SF - T4A



FOR SAFE AREA
Mod.TE1BFOXON
CC029A

MADE IN BRAZIL
11437958

PH3 60Hz Fr. 182/4T 1000m.a.s.l. IP55 TEFC 92lb

V 230/460

A 11.8/5.90

HP 5.0

kW 3.7

SF 1.25

SFA 14.8/7.38

RPM 3485

PF 0.89

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 88.5%

DUTY CONT.

DES B Code J

USABLE @208V 13.1A SF 1.15 SFA 15.1

5.0HP 3.7kW 50Hz 380V 7.14A 2850RPM SF 1.25 SFA 8.92 EFF 86.5% (IE2)

