



# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



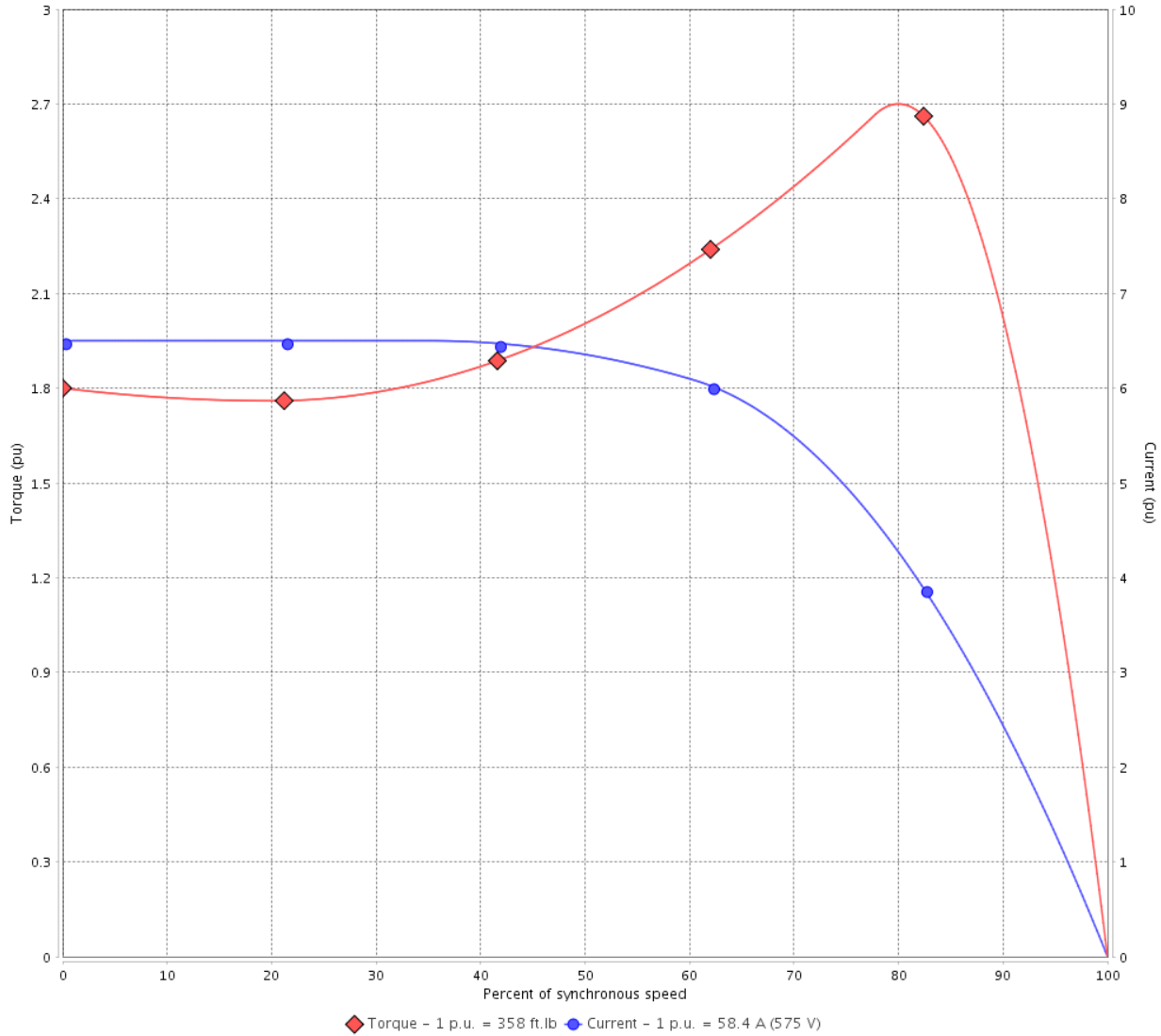
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 15459791

Catalog # : 06009ST3HIE405T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 8P

Rated current	: 58.4 A	Moment of inertia (J)	: 40.2 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 358 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.25
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 880 rpm	Design	: B

Locked rotor time : 23s (cold) 13s (hot)

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Date	01/06/2022			

# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

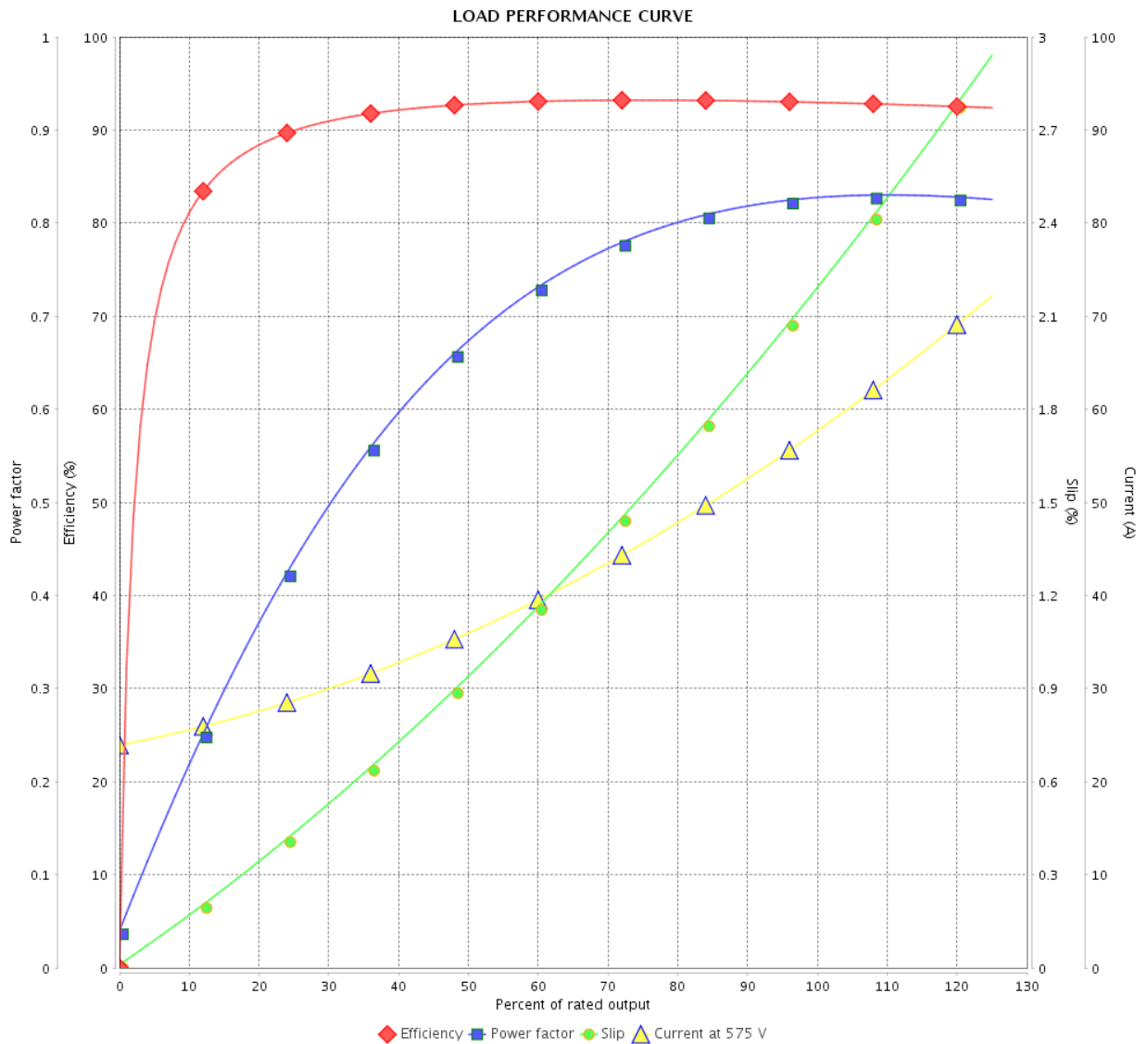


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# THERMAL LIMIT CURVE



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Rated speed : 880 rpm	Design : B

Heating constant

Cooling constant

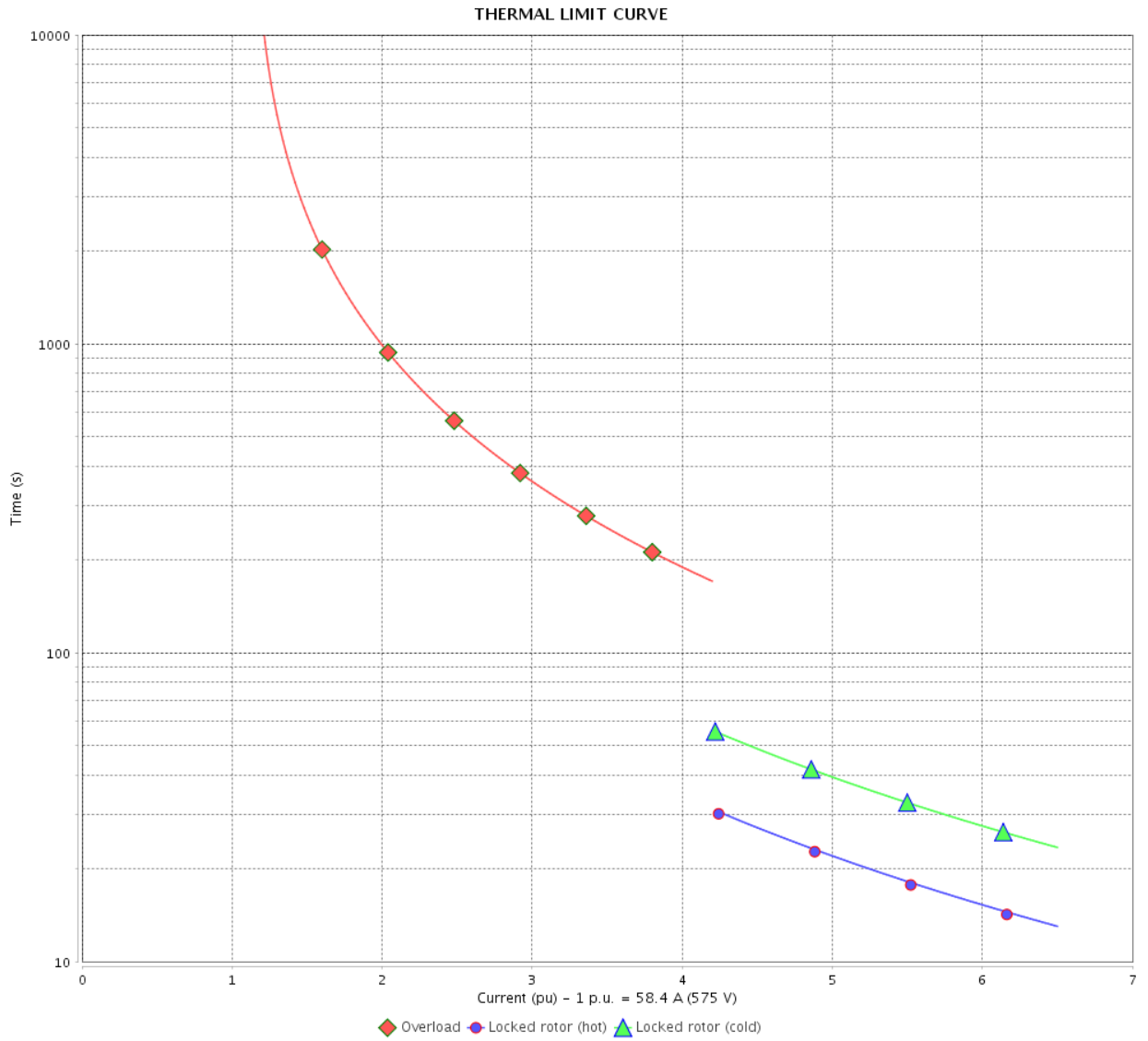
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Date	01/06/2022			

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Date				

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

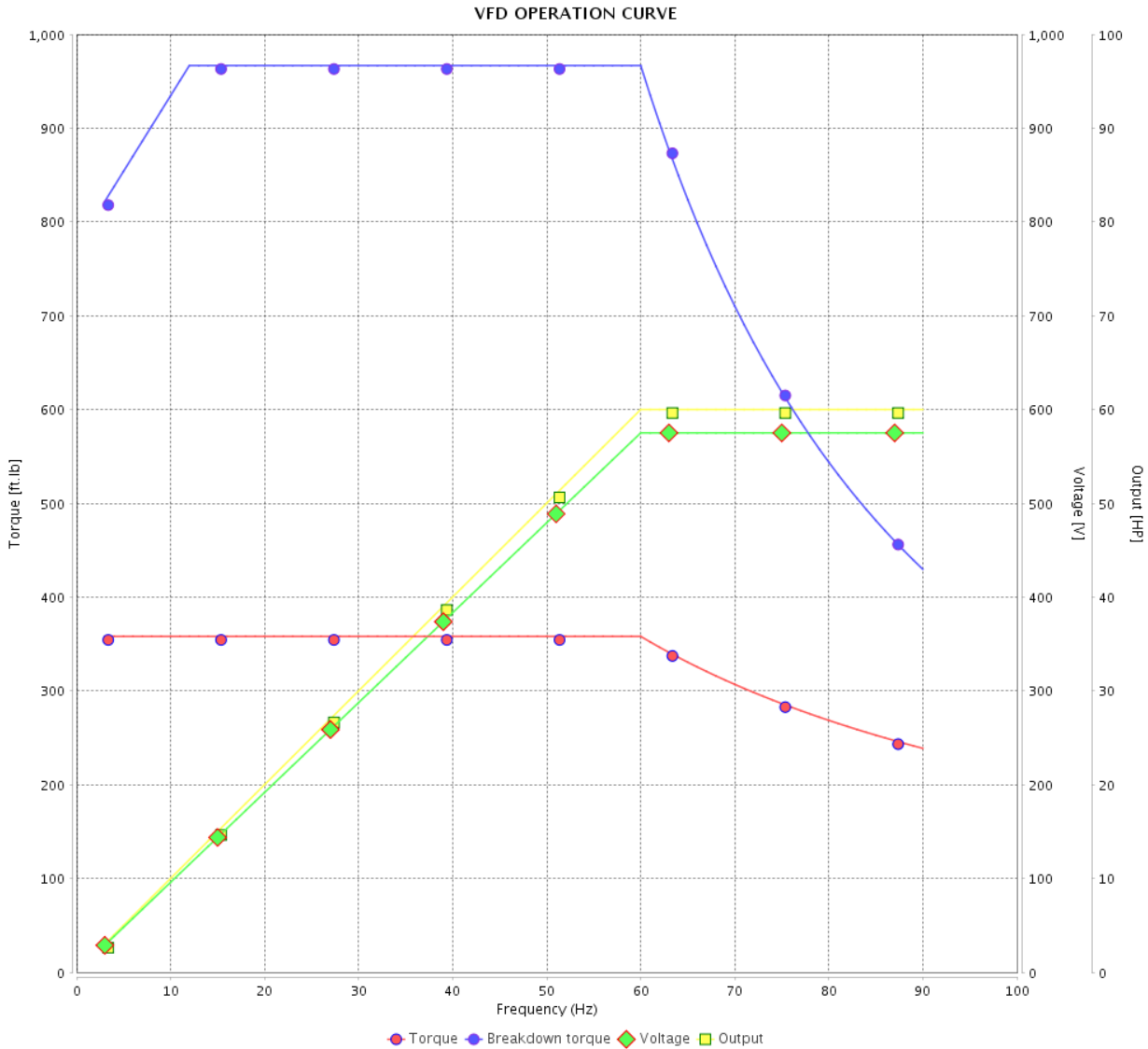


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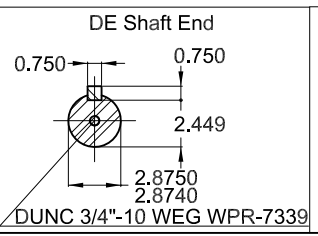
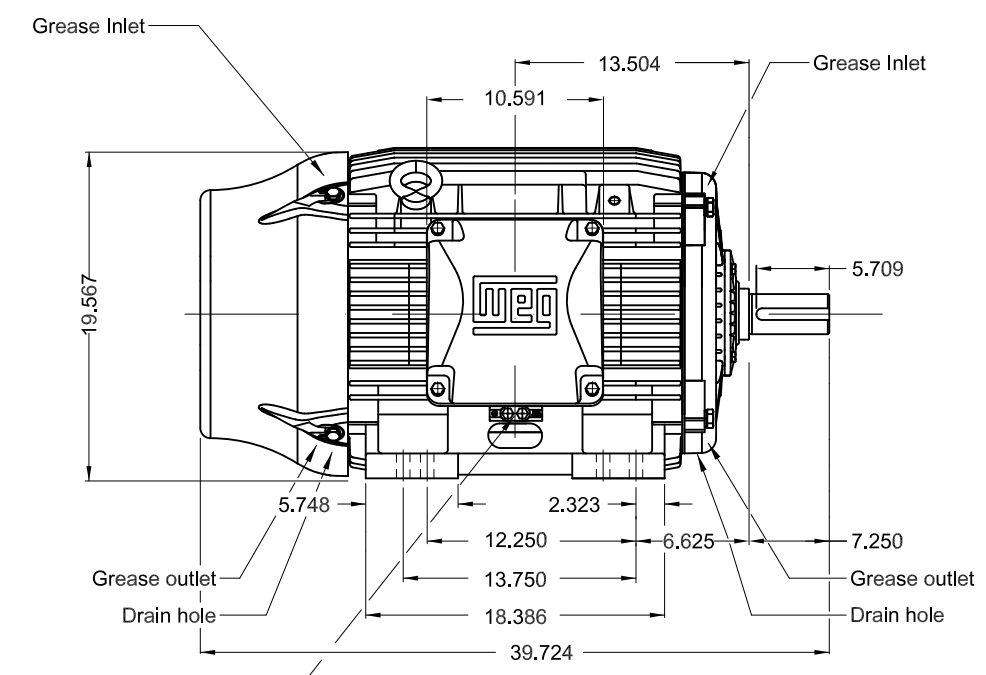
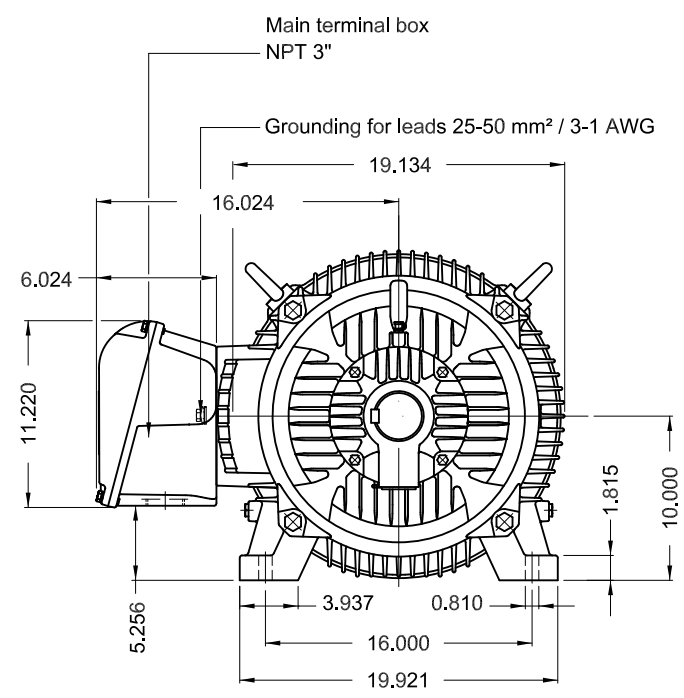


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 Breakdown torque : 270 %  
 Rated speed : 880 rpm

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 Insulation class : F  
 Service factor : 1.25  
 Temperature rise : 80 K  
 Design : B

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Color RAL 5009  
 Painting plan 202E  
 Mounting NEMA F-1  
 Mounting B3R(D)

60 HP 08 Poles 60 Hz										A						
ECM										LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR IEEE 841 W22 PREM. EFF.		PREVIEW											
CHECKED			FRAME 404/5T IP55 TEFC		WDD											
RELEASED					SHEET		1 / 1									
REL DT.	WMO		Jaragua do Sul		Product Engineering											

Dimensions in inches XME A3