

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



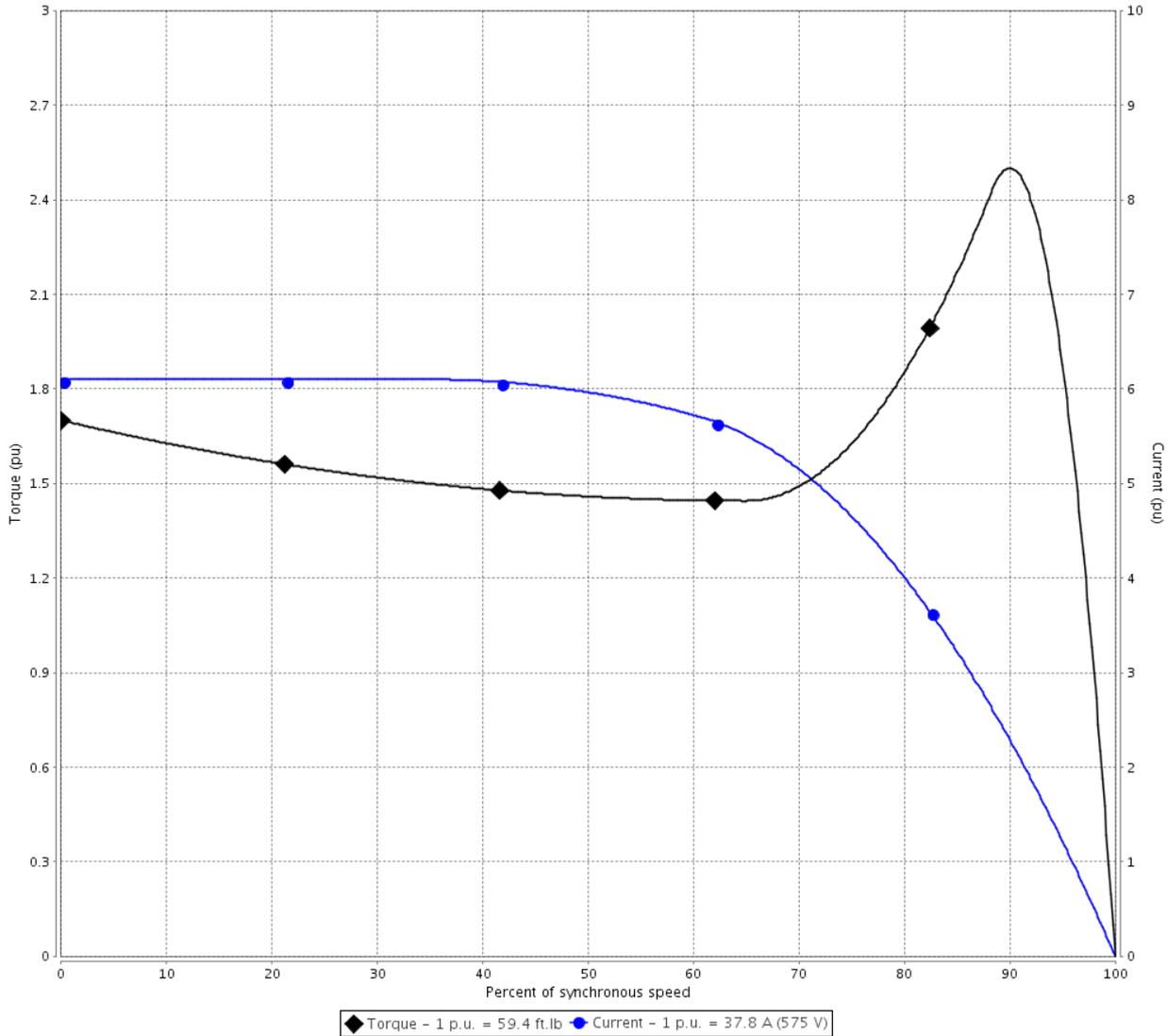
Customer :

Product line : W40 JP Pump High Efficiency
Three-Phase

Product code : 14829216

Catalog # : 04036OP3HFP286JPV-
W4

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 2P

Rated current	: 37.8 A	Moment of inertia (J)	: 1.91 sq.ft.lb
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 59.4 ft.lb	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

Locked rotor time : 18s (cold) 10s (hot)

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 6	Revision
Checked by				
Date	10/04/2020			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

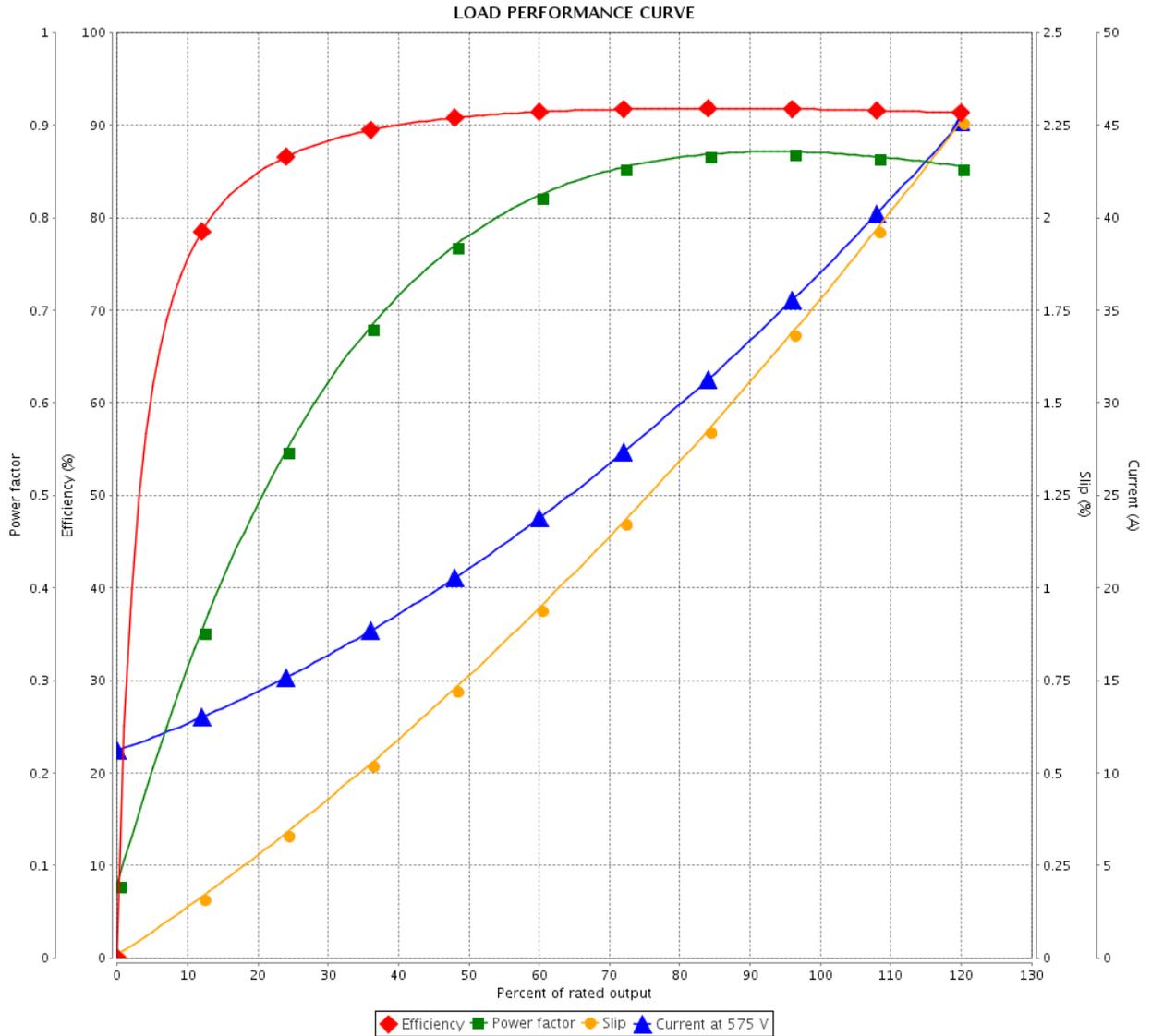


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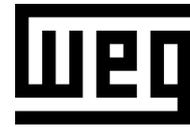
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Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 6	Revision
Checked by				
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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

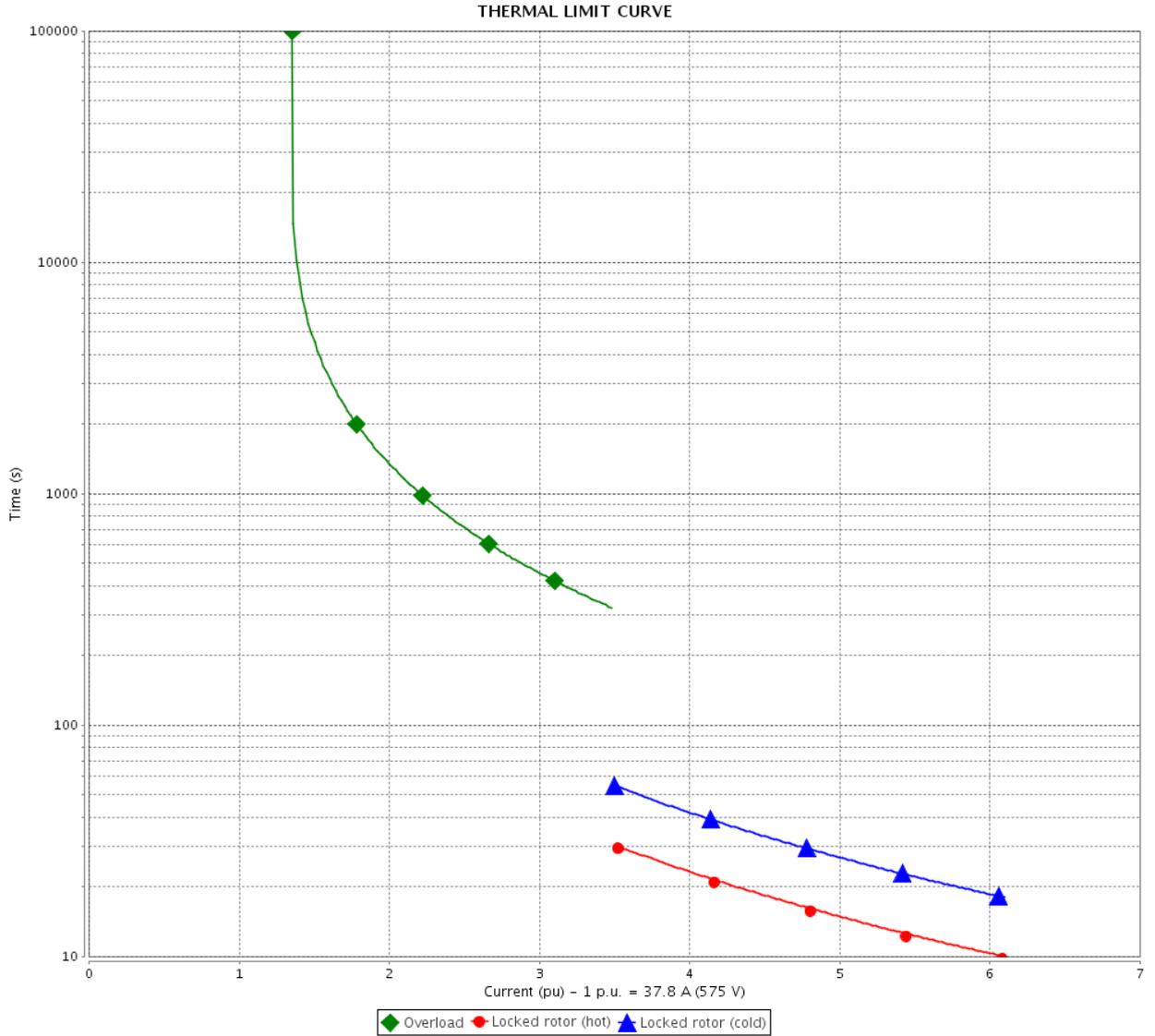
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



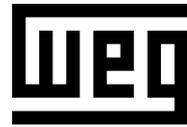
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Rev.	Changes Summary	Performed	Checked	Date
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Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

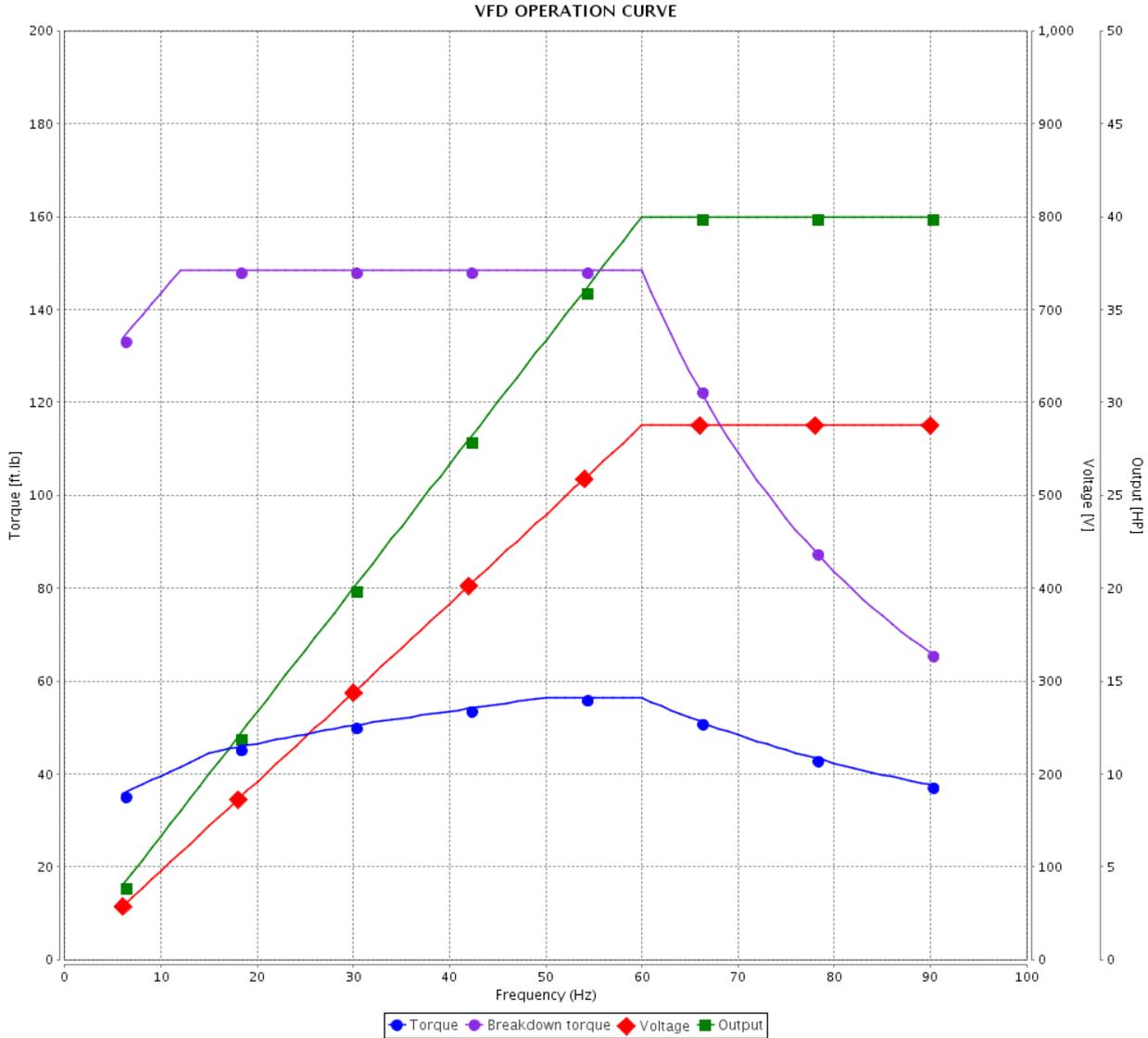


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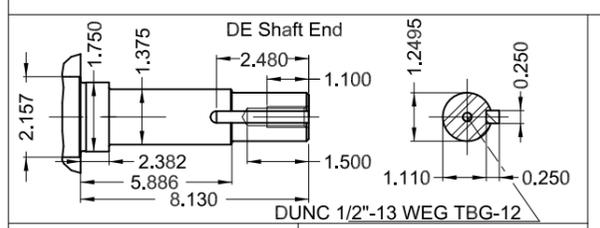
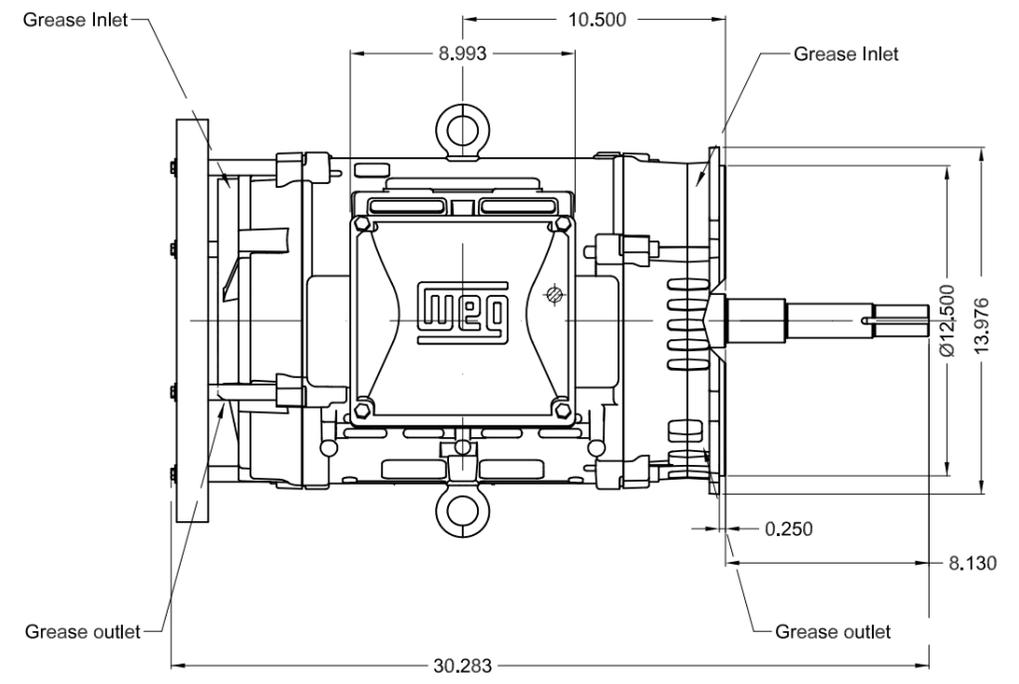
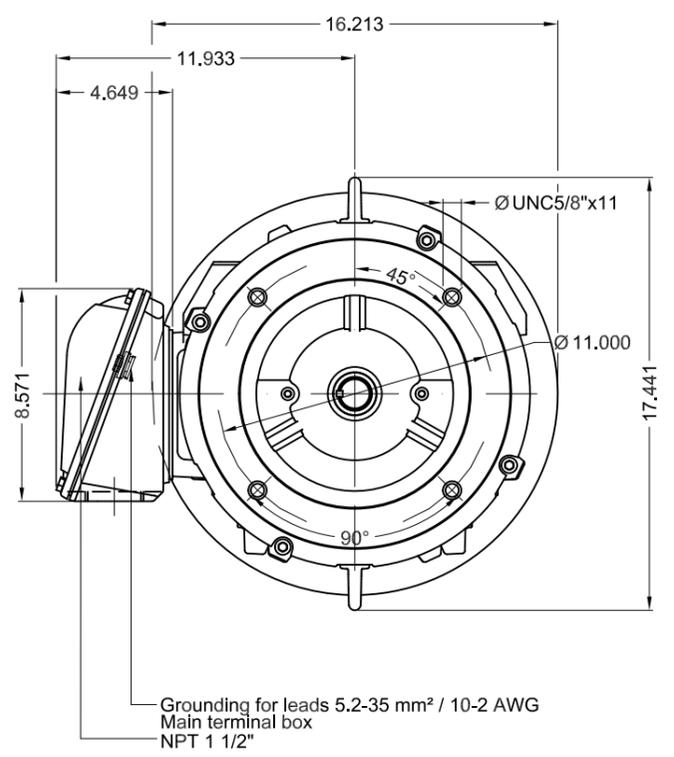


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40 HP 02 Poles 60Hz A

1:7

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PHASE W40 MOTOR HIGH EFF FRAME 284/6JP IP23 ODP					
CHECKED							
RELEASED							
REL DT.							

Color RAL 3002
 Painting plan 203A
 Mounting NEMA W-6
 Mounting V18

PREVIEW

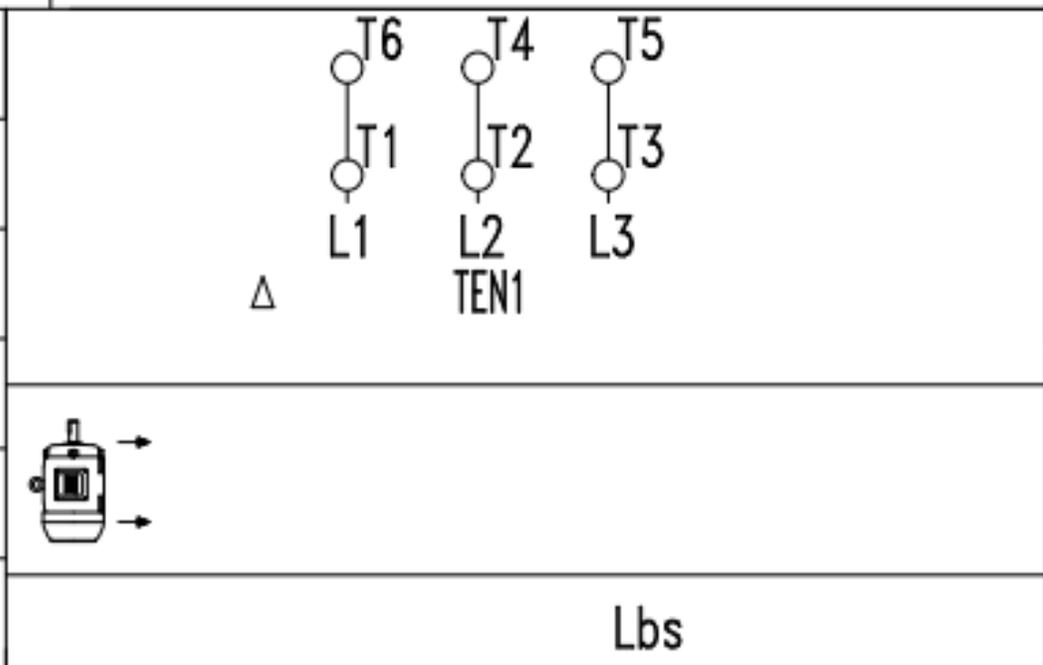
WDD

SHEET 1 / 1



Severe Duty

PH	FR	HP(kW)		Hz
V —		A —		
NEMA NOM EFF		—	%	RPM
ENCL ODP	DUTY		INS. CL.	ΔT K
PF		DES —	CODE	AMB.
SF	SFA		ALT 1000 m.a.s.l.	



Lbs