

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



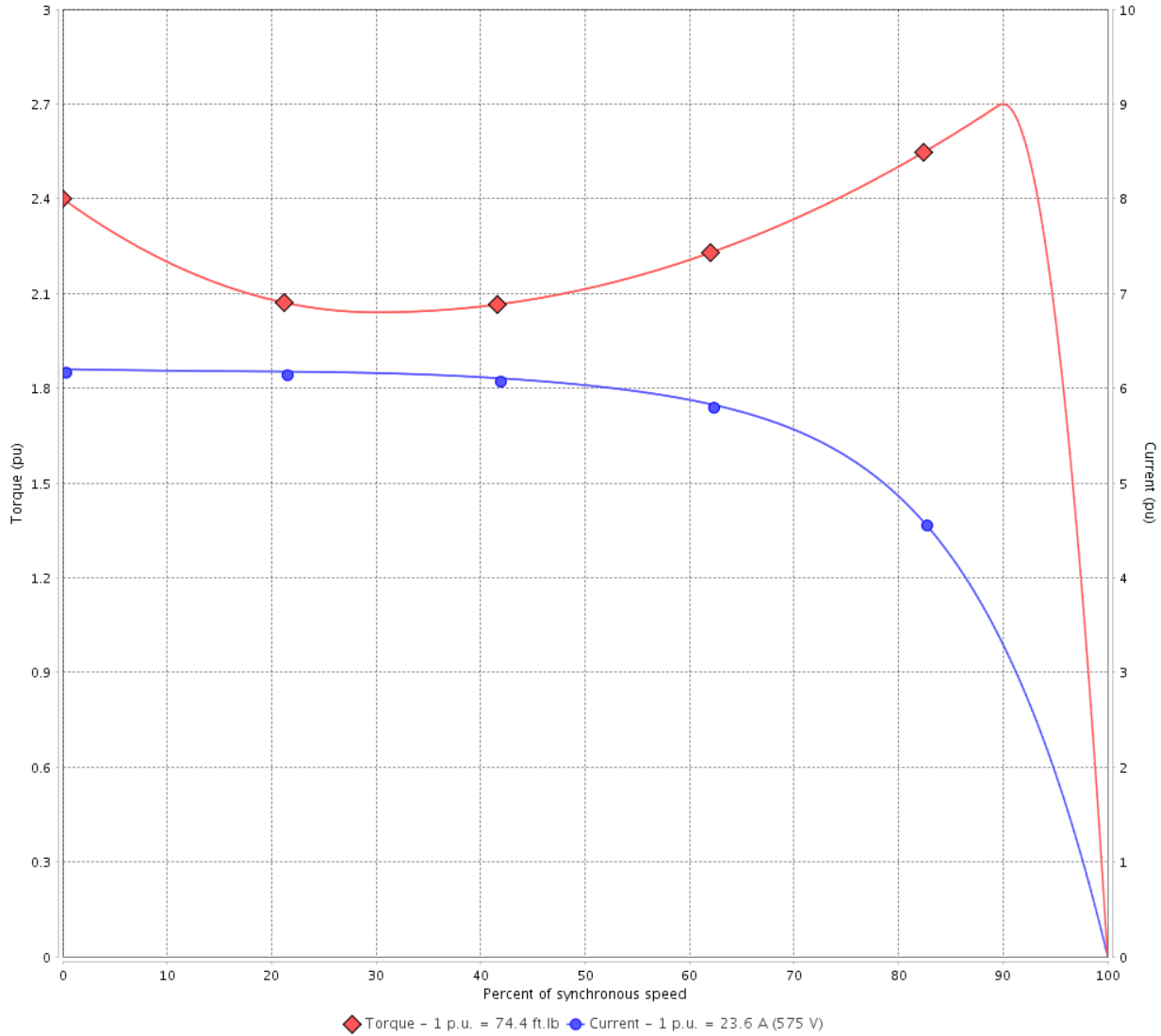
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12803187

Catalog # : 02518ET3H284T-W22G

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 23.6 A	Moment of inertia (J)	: 5.11 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 74.4 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

Locked rotor time : 43s (cold) 24s (hot)

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Performed by			Page 2 / 6	Revision
Checked by				
Date	14/04/2022			

LOAD PERFORMANCE CURVE

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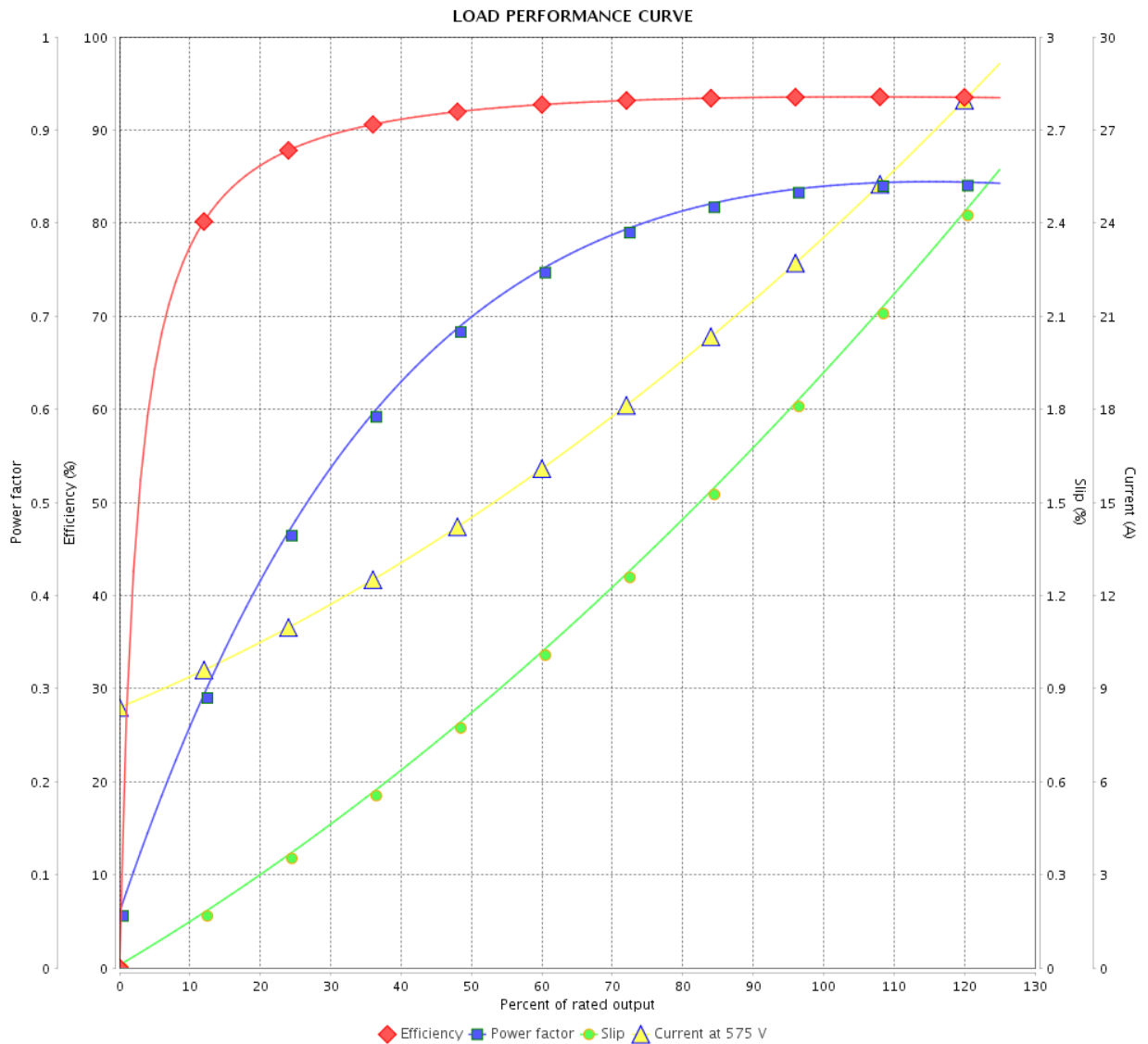


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THERMAL LIMIT CURVE

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Heating constant

Cooling constant

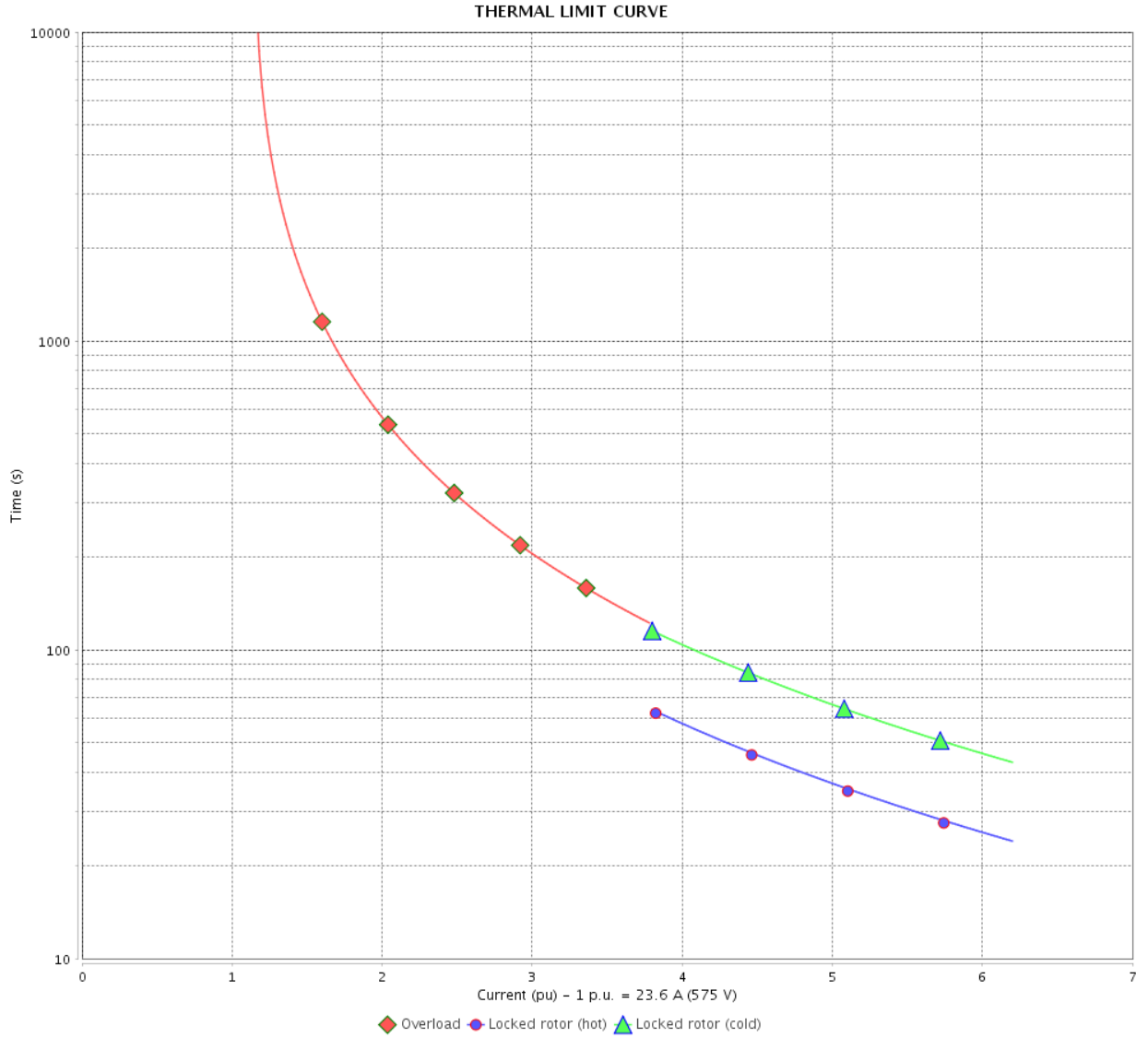
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



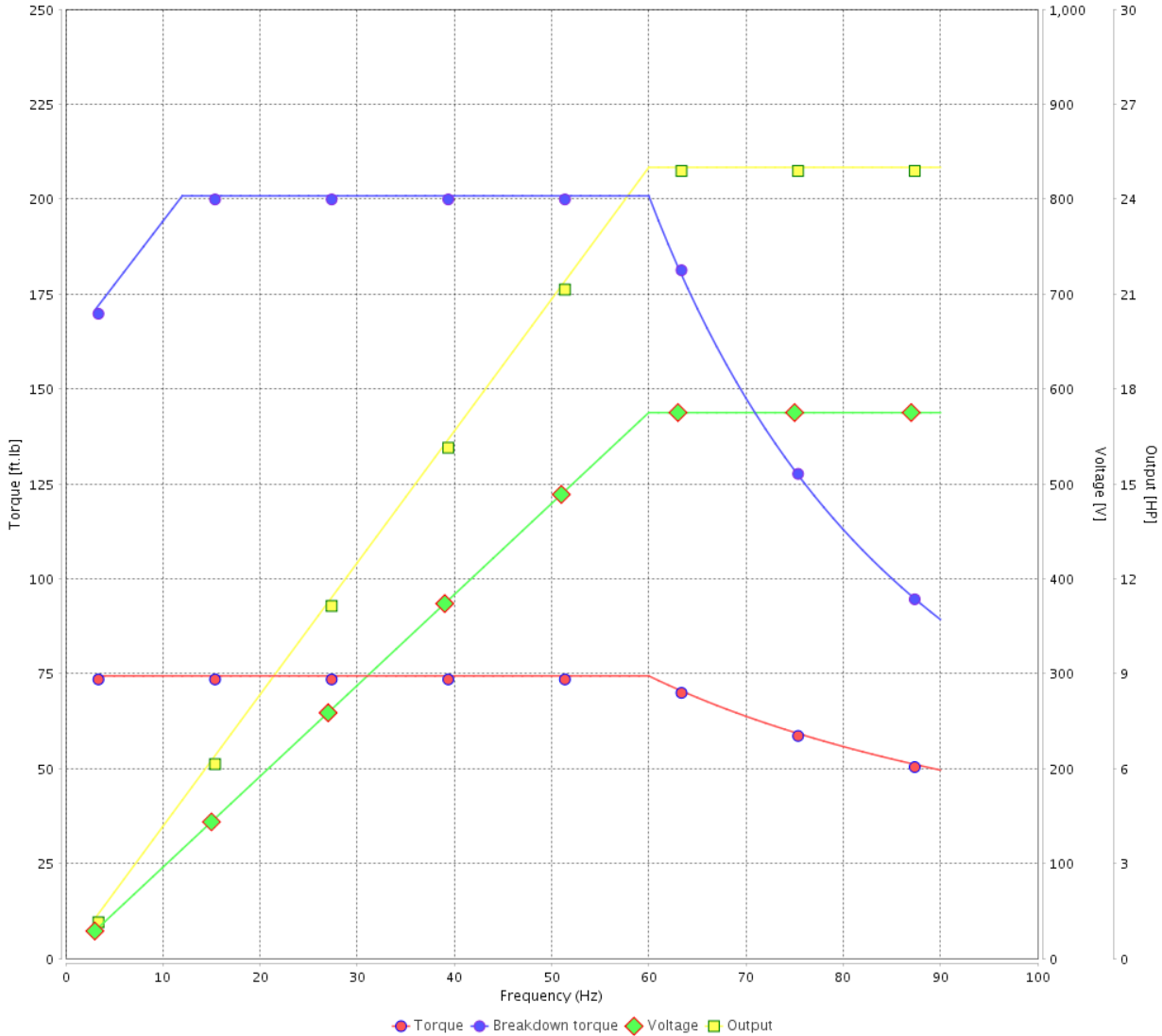
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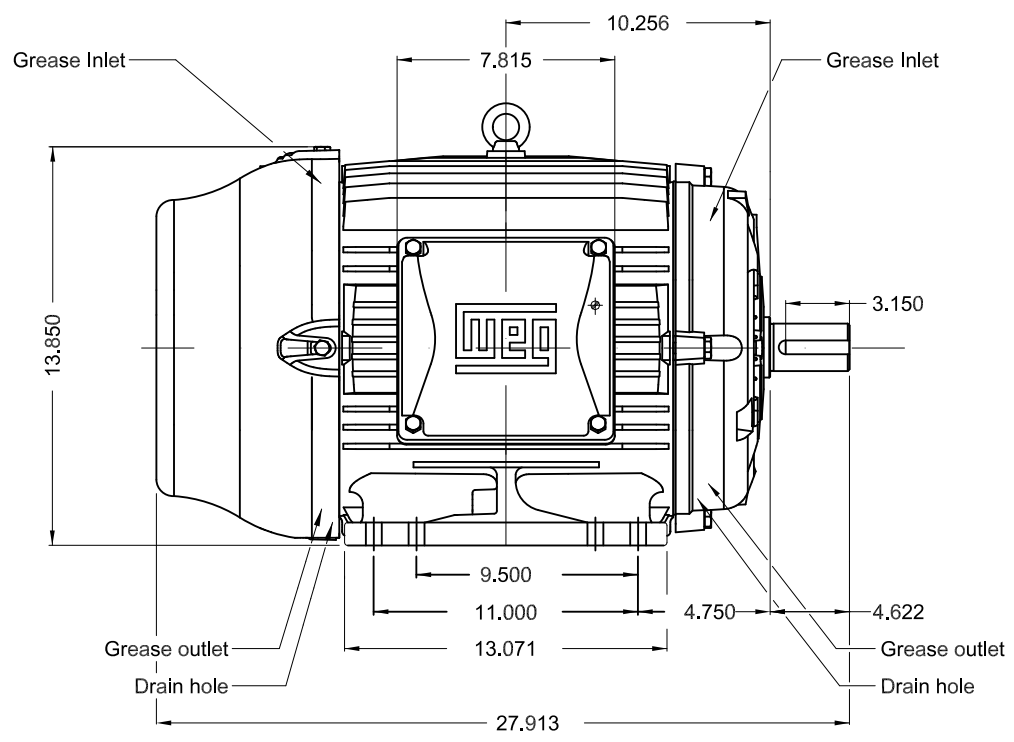
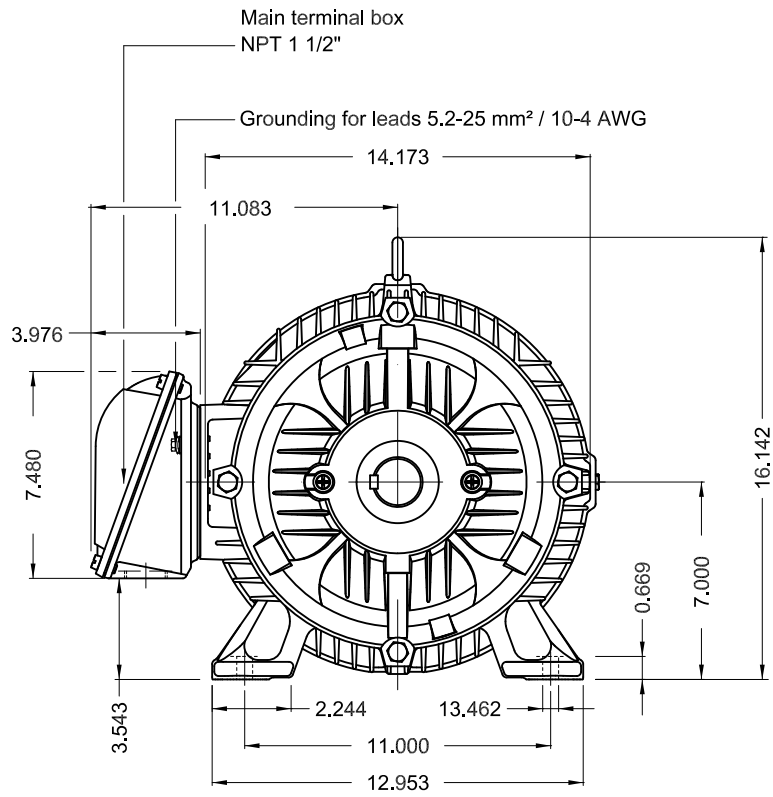
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1 2 3 4 5 6

A

B

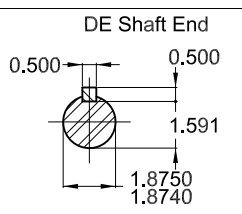
C



D

E

Internal AEGIS ground ring on the DE
Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B3R(D)



25 HP 04 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR W22 PREM. EFF.					
CHECKED		FRAME 284/6T IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1		

PREVIEW
WDD





Mod.TE1BFOXON
CC029A

MODEL 02518ET3H284T-W22G

Inverter Duty Motor
Severe Duty

For use on PWM: VT 1000:1, CT 20:1,
1.00SF

MADE IN BRAZIL
12803187

PH3 60Hz Fr. 284/6T 1000m.a.s.l. IP55 TEFC 429lb

V 575

A 23.6

HP 25

kW 18.5

SF 1.25

SFA 29.5

RPM 1765

PF 0.84

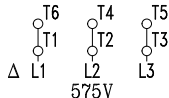
AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 93.6%

DUTY CONT.

DES B Code G



- 6311-C3 (18g)
- 6211-C3 (11g)



MOBIL POLYREX EM (20000h)

