DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor

Frame	: 56HZ
Output	: 1 HP (0.75 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 230/460 V
Rated current	: 3.14/1.57 A
L. R. Amperes	: 23.9/11.9 A
LRC	: 7.6 Code L
No load current	: 2.20/1.10 A
Rated speed	: 1760 rpm
Slip	: 2.22 %
Rated torque	: 2.98 ft.lb
Locked rotor torque	: 280 %
Pull up torque	: 235 %
Breakdown torque	: 320 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.0854 sq.ft.lb

Locked rotor time	: 17 s (hot) 0 s (cold)
Temperature rise[4]	: 80 K
Duty cycle	: S1
Ambient temperature	: -20 °C to +40 °C
Altitude	: 1000 m.a.s.l
Protection degree	: IP21
Cooling method	: IC01 - ODP
Mounting	: F-1/B3R(D)
Rotation[1]	: Both
Noise level[2]	: 52 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 26.2 lb
Design	: A

Output	Start	50%	75%	100%
Efficiency (%)	-	78.5	82.5	83.5
Power Factor	0.68	0.49	0.63	0.72

Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type	6205-ZZ	6202-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Notes:
USABLE @208V 3.47 A SF 1.00

Standards

Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
Noise	: MG1 - Part 9		

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 be changed 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 1-12.

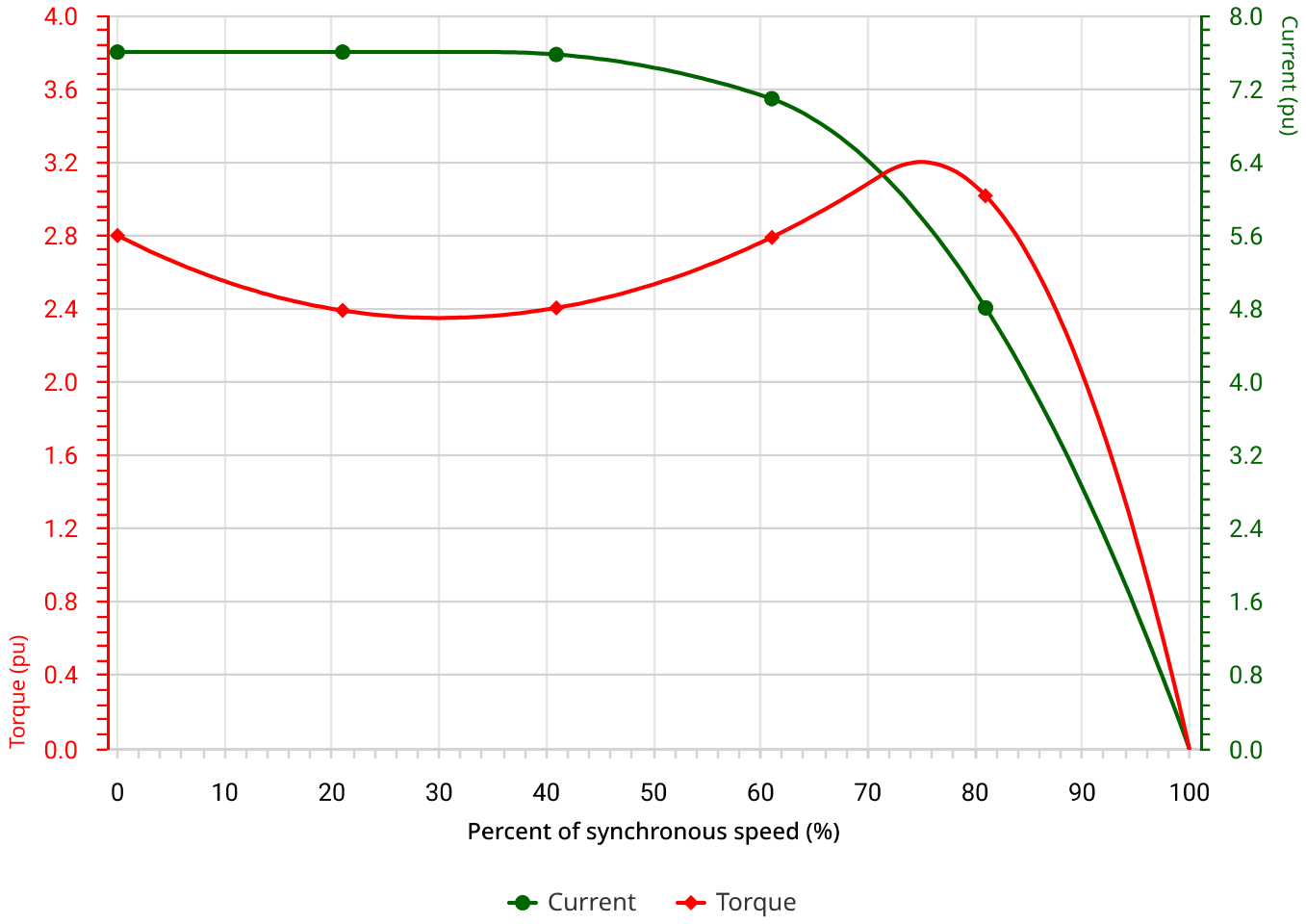
Rev.	Changes Summary	Performed	Checked	Date
				07/02/2017

Performed by	marian		21053/2017	
Checked by	caltamirano		Page	Revision
Date	03/02/2017		1/4	0

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor



Performance	: 1 HP (0.75 kW) 208/230/460V 60Hz 4P 56HZ

Rated current	: 3.47/3.14/1.57 A	Moment of inertia (J)	: 0.0854 sq.ft.lb
LRC	: 7.6 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 2.98 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A

Locked rotor time 100%	: 17 s (hot) 0 s (cold)
Load Inertia (J=GD²/4)	: 0.0854 sq.ft.lb

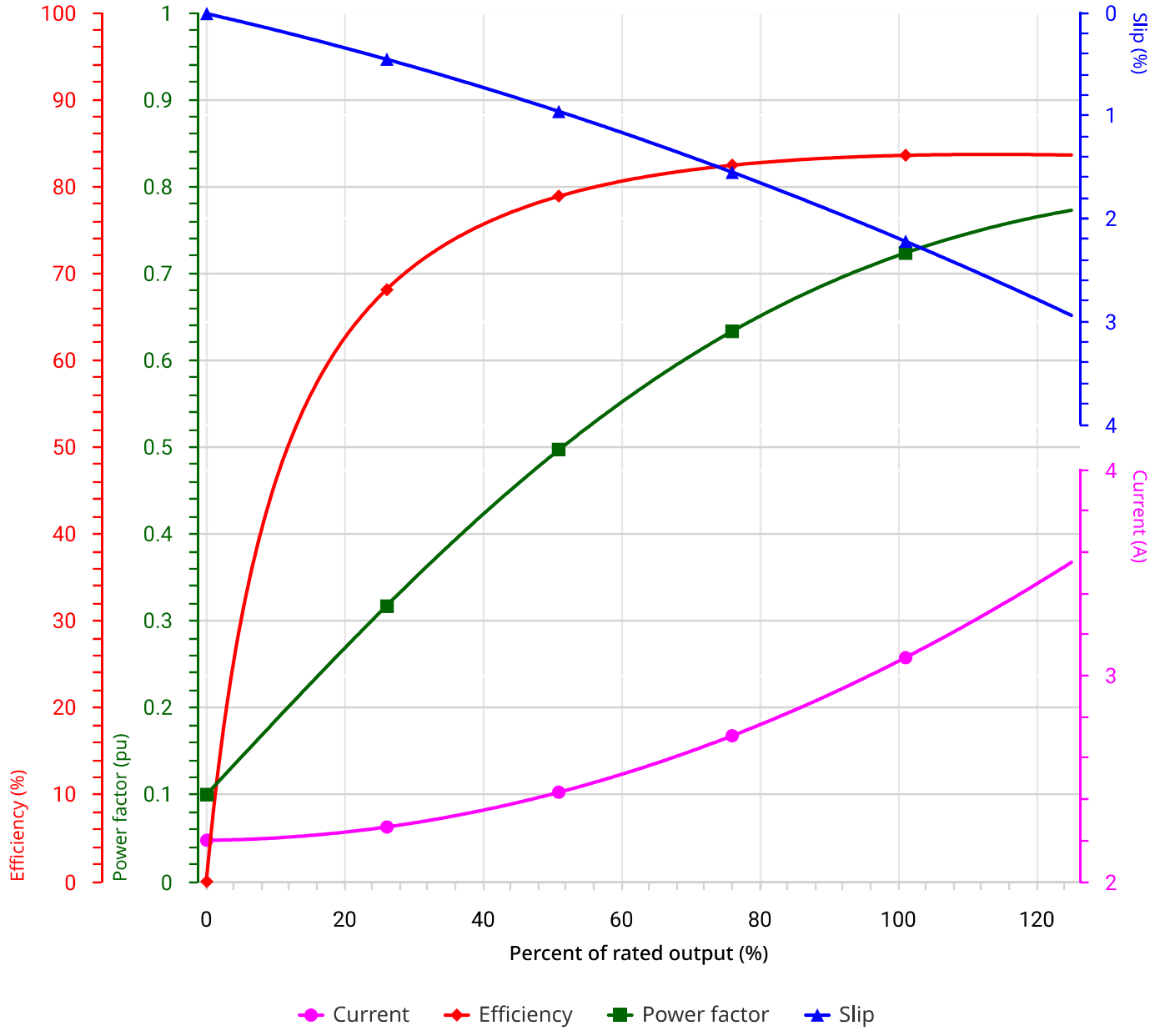
Rev.	Changes Summary	Performed	Checked	Date
				07/02/2017

Performed by	marian		21053/2017	
Checked by	caltamirano		Page	Revision
Date	03/02/2017		2/4	0

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor



Performance	: 1 HP (0.75 kW) 208/230/460V 60Hz 4P 56HZ

Rated current	: 3.47/3.14/1.57 A	Moment of inertia (J)	: 0.0854 sq.ft.lb
LRC	: 7.6 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 2.98 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
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Performed by	marian		21053/2017	
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Date	03/02/2017		3/4	0

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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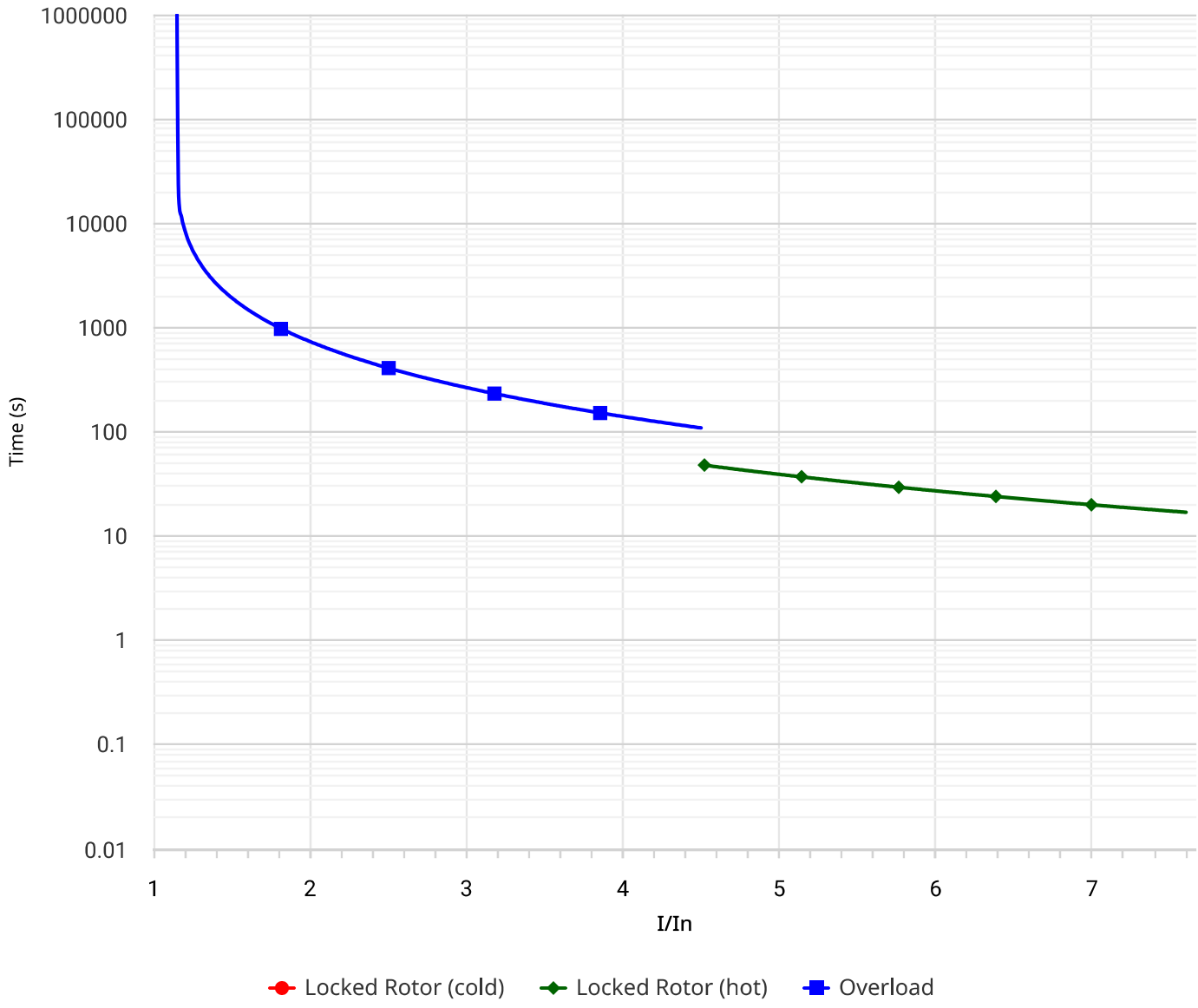
Product line	: Special Motor



Performance	: 1 HP (0.75 kW) 208/230/460V 60Hz 4P 56HZ

Rated current	: 3.47/3.14/1.57 A	Moment of inertia (J)	: 0.0854 sq.ft.lb
LRC	: 7.6 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 2.98 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: A

Heating constant	: 35.7 min
Cooling constant	: 107.1 min

Rev.	Changes Summary	Performed	Checked	Date
				07/02/2017

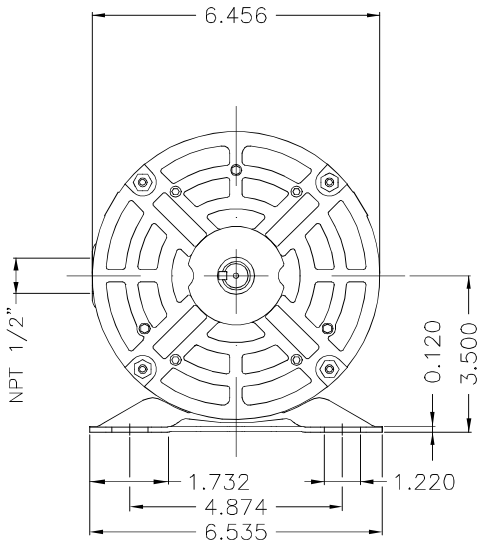
Performed by	marian		21053/2017	
Checked by	caltamirano		Page	Revision
Date	03/02/2017		4/4	0

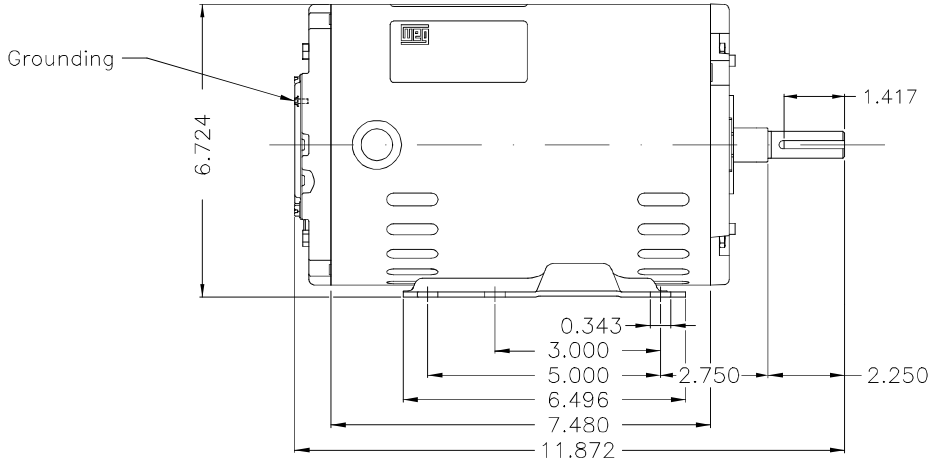
EIXO	
PADRÃO	
OPCIONAL	
ESPECIAL	X

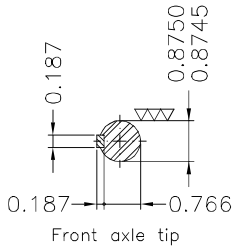
Dimensiones en pulgadas
Dimensions in inches

DOCUMENTO PRELIMINAR
No debe ser utilizado para fines de instalación

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.







Color Munsell N 1 matte black / Color Munsell N 1 negro mate
Painting plan 207N / Plan de pintura 207N
Mounting F-1/B3R(D) / Forma constructiva F-1/B3R(D)
V.J. PAMENSKY CANADA INC.

500001270387		ALT. CONFORME AL CLAIM: 414555253	CASTELAN		CESTRELLA	02.02.2017	01
500001268592		NEW DOCUMENT	CMARQUEZ		ALDOV	30.01.2017	00
No MODIFICACION / ECM	LOC / LOC	RESUMEN DE MODIFICACIONES / SUMMARY OF MODIFICATIONS	EJECUTADO / EXECUTED	VERIFICADO / CHECKED	LIBERADO / RELEASED	FECHA / DATE	VER / VER

EJEC. /EXECUTED	CMARQUEZ	MOTOR TRIF ODP ROLLED STEEL PREM. EFF.	10004731059	
VERIF. /CHECKED		FRAME 56HZ IP21	000	01
LIBER. /RELEASED	ALDOV			
FECHA LB/REL DT	30.01.2017	WMX HUEHUETOCA INGENIERIA DEL PRODUCTO	HOJA /SHEET	01 / 01

1 HP	04 Polos	60Hz	208-230/460 V	414547524	B
1 HP	04 Polos	60Hz	575 V	414547521	A

COPIA SIN CONTROL
LIBERADO
ZME A3