DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Special Motor
Product code	: 14787356

Frame	: L132M/L
Output	: 11 kW (15 HP)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 14.9 A
L. R. Amperes	: 140 A
LRC	: 9.4
No load current	: 7.65 A
Rated speed	: 1765 rpm
Slip	: 1.94 %
Rated torque	: 6.07 kgfm
Locked rotor torque	: 260 %
Pull up torque	: 220 %
Breakdown torque	: 350 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.0777 kgm²

Locked rotor time	: 9 s (hot) 16 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	: IP55
Cooling method	: IC411 - TEFC
Mounting	: B35R(E)
Rotation[1]	: Both
Noise level[2]	: 58 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 99.0 kg
Design	: N

Output	Start	50%	75%	100%
Efficiency (%)	-	91.0	91.8	92.6
Power Factor	0.00	0.62	0.74	0.8

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

	Drive end	Non drive end
Bearing type	6308-ZZ	6207-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

Notes:
W22 IE3 as per IEC 60034-30

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)
7.85	6.40	5.98	4.39	3.01	2.24	1.53

Standards

Specification	: IEC 60034-1	Vibration	: IEC 60034-14
Test	: IEC 60034-2	Tolerance	: IEC 60034-1
Noise	: IEC 60034-9		

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 +0dB(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 IEC 60034-1.

Rev.	Changes Summary	Performed	Checked	Date
				22/02/2019

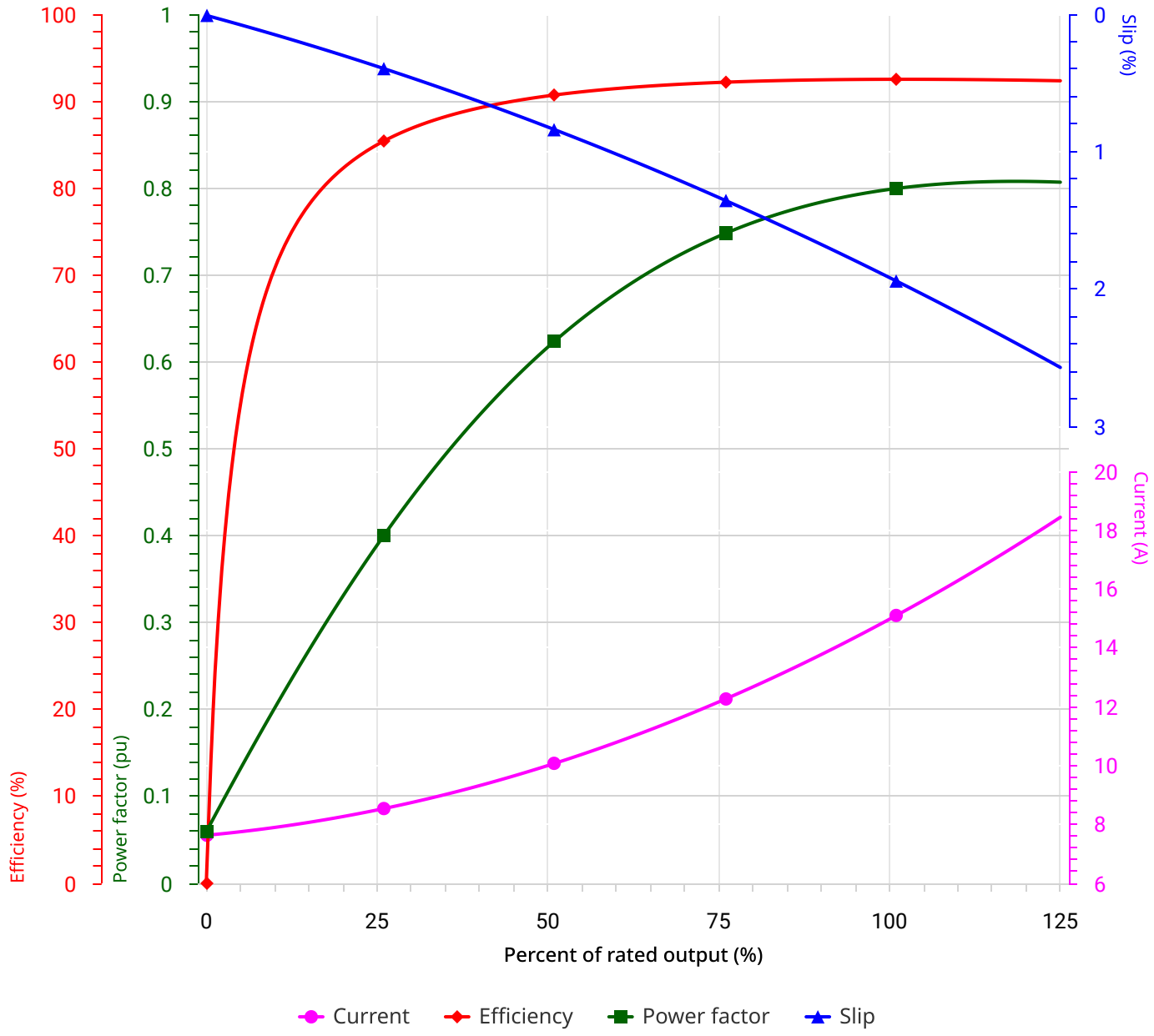
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Checked by	JUNIORP		Page	Revision
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Special Motor
Product code	: 14787356



Performance	: 11 kW (15 HP) 575V 60Hz 4P L132M/L

Rated current	: 14.9 A	Moment of inertia (J)	: 0.0777 kgm²
LRC	: 9.4	Duty cycle	: S1
Rated torque	: 6.07 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
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Performed by	marlonb		47477/2019	
Checked by	JUNIORP		Page	Revision
Date	22/02/2019		2/2	0

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