DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Standard Efficiency Derating
Product code	: 12630186

Frame	: 56	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B3R(D)
Duty cycle	: S1	Rotation	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 9.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm²
Design	: NONE		

Output		0.75 HP (0.55 kW)	0.75 HP (0.55 kW)	0.75 HP (0.55 kW)
Poles		2	2	2
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		208-230/460 V	190/380 V	400 V
Rated current		2.50-2.26/1.13 A	2.52/1.26 A	1.21 A
L. R. Amperes		15.8/7.91 A	13.9/6.93 A	7.26 A
LRC		7.0 Code K	5.5 Code G	6.0 Code H
No load current		1.10/0.550 A	1.05/0.526 A	0.602 A
Rated speed		3475 rpm	2825 rpm	2845 rpm
Slip		3.47 %	5.83 %	5.17 %
Rated torque		0.157 kgfm	0.193 kgfm	0.191 kgfm
Locked rotor torque		250 %	180 %	210 %
Breakdown torque		290 %	220 %	250 %
Service factor		1.15	1.00	1.00
Temperature rise		80 K	95 K	80 K
Noise level		68 dB(A)	65 dB(A)	65 dB(A)
Locked rotor time		23 s (hot) 41 s (cold)	29 s (hot) 52 s (cold)	26 s (hot) 47 s (cold)
Efficiency (%)	50%	62.0	70.3	69.2
	75%	68.0	73.4	73.3
	100%	72.0	73.0	73.7
Power Factor	Start	0.69	0.75	0.75
	50%	0.70	0.77	0.72
	75%	0.79	0.86	0.83
	100%	0.85	0.91	0.89
Losses at normative operating points (speed;torque), in percentage of rated output power				
P1 (0,9;1,0)		0.00	0.00	0.00
P2 (0,5;1,0)		0.00	0.00	0.00
P3 (0,25;1,0)		0.00	0.00	0.00
P4 (0,9;0,5)		0.00	0.00	0.00
P5 (0,5;0,5)		0.00	0.00	0.00
P6 (0,5;0,25)		0.00	0.00	0.00
P7 (0,25;0,25)		0.00	0.00	0.00

	Drive end	Non drive end
Bearing type	6203-ZZ	6202-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads
Max. traction : 11 kgf
Max. compression : 20 kgf

Notes:

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/09

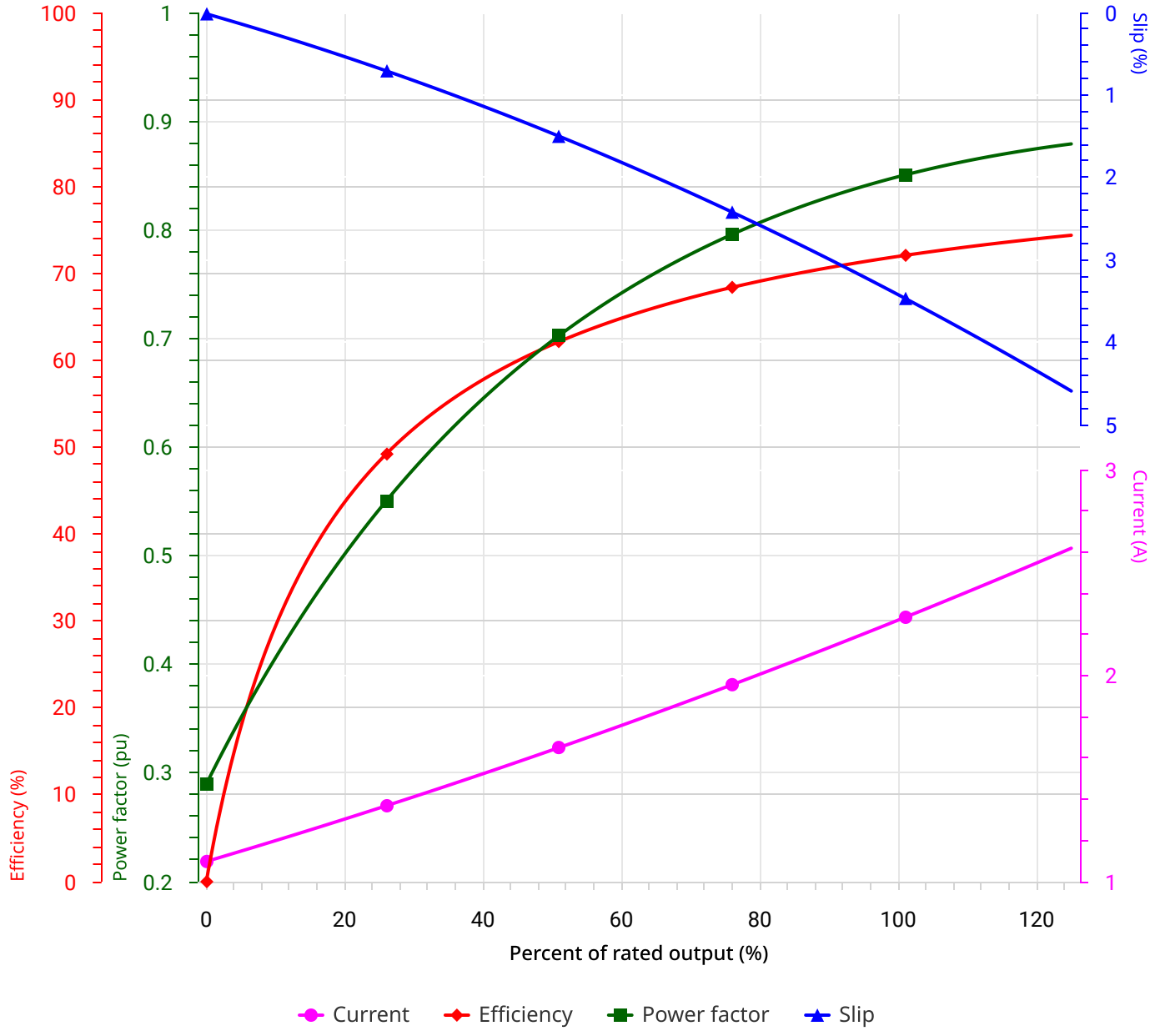
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Performance	: 0.75 HP (0.55 kW) 208/230/460V 60Hz 2P 56		
Rated current	: 2.50/2.26/1.13 A	Moment of inertia (J)	: 0.0022 kgm²
LRC	: 7.0 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.157 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3475 rpm		

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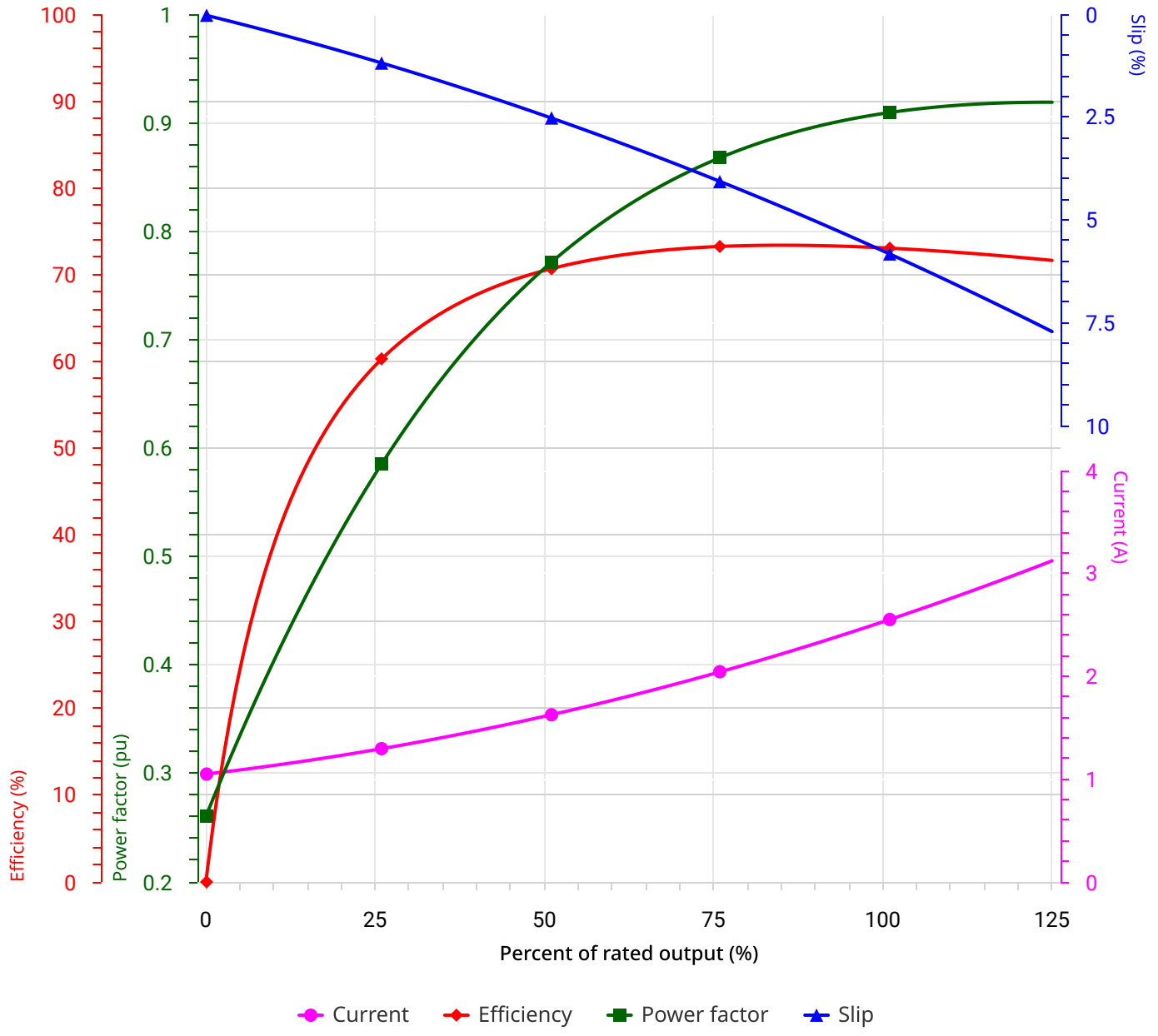
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Three Phase Induction Motor - Squirrel Cage

Customer	:
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Performance	: 0.75 HP (0.55 kW) 190/380V 50Hz 2P 56

Rated current	: 2.52/1.26 A	Moment of inertia (J)	: 0.0022 kgm²
LRC	: 5.5 Code G	Duty cycle	: Cont.(S1)
Rated torque	: 0.193 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 95 K
Rated speed	: 2825 rpm		

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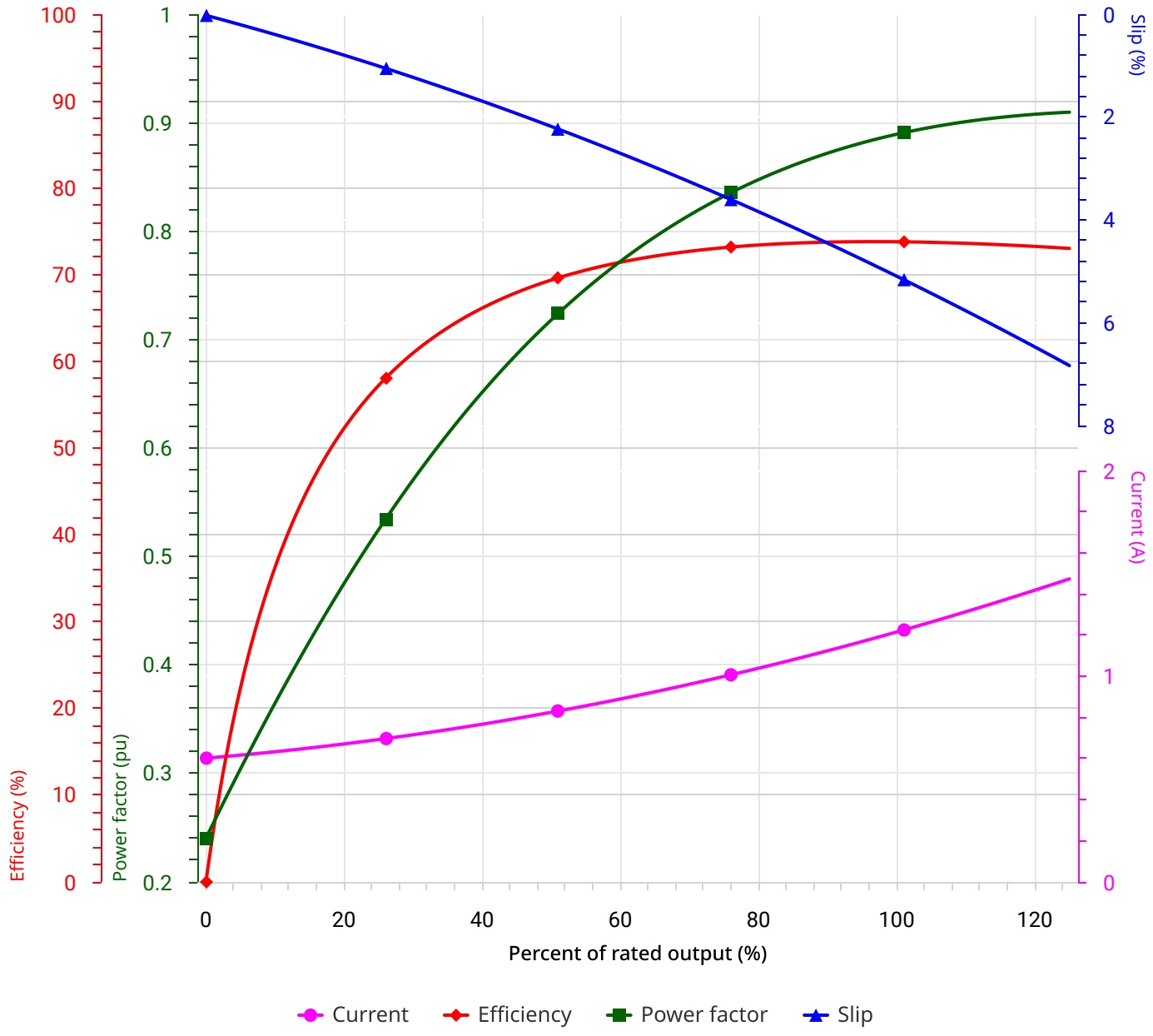
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Three Phase Induction Motor - Squirrel Cage

Customer	:
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Product code	: 12630186



Performance	: 0.75 HP (0.55 kW) 400V 50Hz 2P 56		
Rated current	: 1.21 A	Moment of inertia (J)	: 0.0022 kgm²
LRC	: 6.0 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 0.191 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 2845 rpm		

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