DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma C Derating
Product code	: 13722279

Frame	: W56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6/V18R(D)
Duty cycle	: S1	Rotation	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 8.3 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0009 kgm²
Design	: NONE		

Output		0.75 HP (0.55 kW)	0.75 HP (0.55 kW)	0.75 HP (0.55 kW)	0.75 HP (0.55 kW)
Poles		2	2	2	2
Frequency		60 Hz	50 Hz	50 Hz	50 Hz
Rated voltage		208-230/460 V	190/380 V	220 V	220/415 V
Rated current		2.48-2.24/1.12 A	2.60/1.30 A	2.25 A	2.34/1.24 A
L. R. Amperes		18.1/9.07 A	15.6/7.80 A	13.5 A	16.4/8.68 A
LRC		8.1 Code L	6.0 Code H	6.0 Code H	7.0 Code K
No load current		1.24/0.622 A	1.22/0.609 A	1.05 A	1.37/0.727 A
Rated speed		3440 rpm	2770 rpm	2770 rpm	2810 rpm
Slip		4.44 %	7.67 %	7.67 %	6.33 %
Rated torque		0.158 kgfm	0.196 kgfm	0 kgfm	0.194 kgfm
Locked rotor torque		350 %	260 %	260 %	310 %
Breakdown torque		360 %	240 %	240 %	290 %
Service factor		1.15	1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K	80 K
Noise level		65 dB(A)	64 dB(A)	64.0 dB(A)	64 dB(A)
Locked rotor time		16 s (hot) 29 s (cold)	16 s (hot) 29 s (cold)	16 s (hot) 29 s (cold)	12 s (hot) 22 s (cold)
Efficiency (%)	50%	70.0	74.9	74.9	73.1
	75%	75.5	77.0	77.0	76.8
	100%	77.0	75.9	75.9	77.2
Power Factor	Start	0.78	0.82	0.82	0.83
	50%	0.62	0.69	0.69	0.61
	75%	0.74	0.81	0.81	0.74
	100%	0.8	0.85	0.85	0.8
Losses at normative operating points (speed;torque), in percentage of rated output power					
P1 (0,9;1,0)		0.00	0.00	0.00	0.00
P2 (0,5;1,0)		0.00	0.00	0.00	0.00
P3 (0,25;1,0)		0.00	0.00	0.00	0.00
P4 (0,9;0,5)		0.00	0.00	0.00	0.00
P5 (0,5;0,5)		0.00	0.00	0.00	0.00
P6 (0,5;0,25)		0.00	0.00	0.00	0.00
P7 (0,25;0,25)		0.00	0.00	0.00	0.00

	Drive end	Non drive end
Bearing type	6203-2RS	6202-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Notes:

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/14

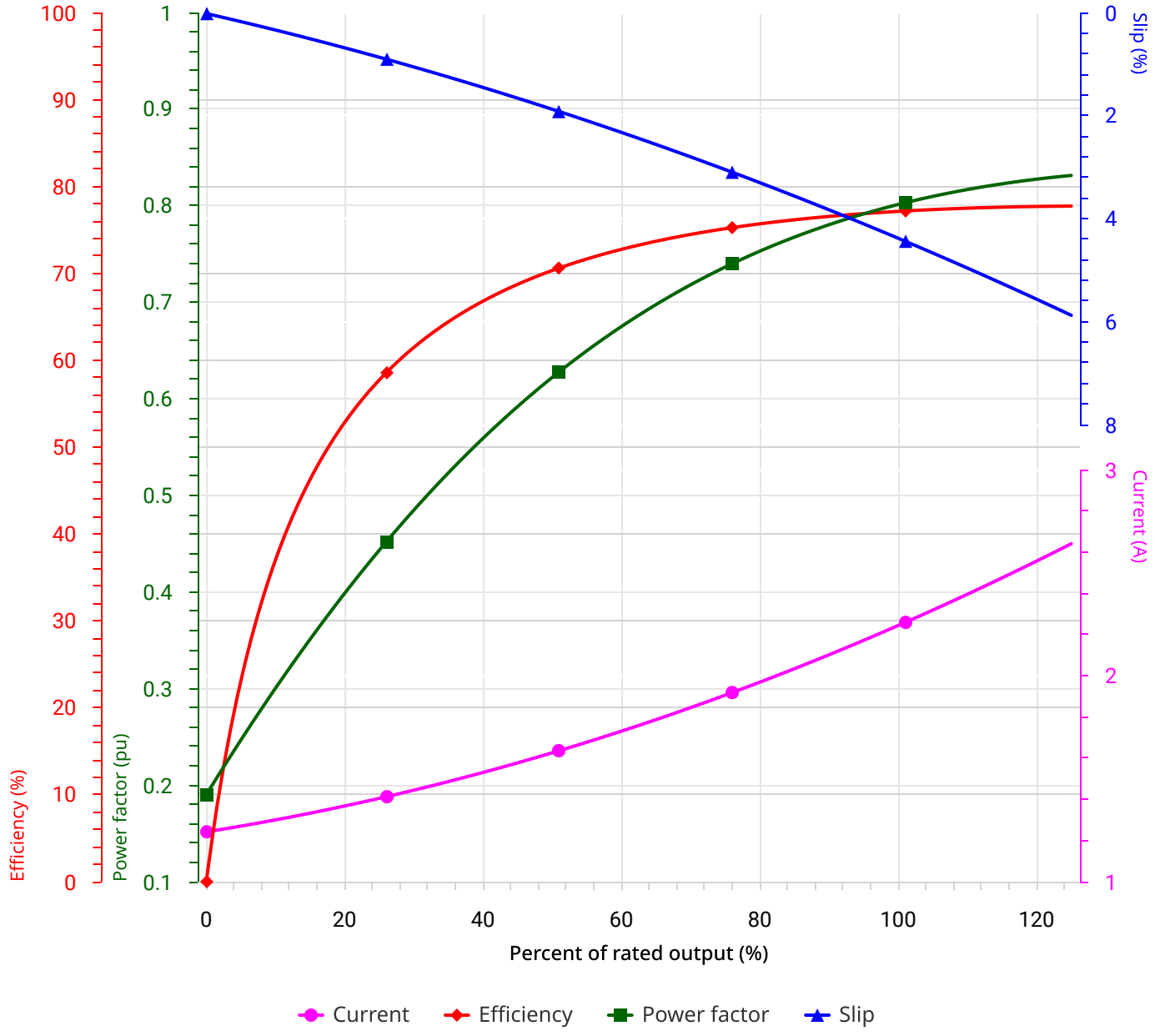
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LOAD PERFORMANCE CURVE

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Customer	:
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Product code	: 13722279



Performance	: 0.75 HP (0.55 kW) 208/230/460V 60Hz 2P W56C

Rated current	: 2.48/2.24/1.12 A	Moment of inertia (J)	: 0.0009 kgm²
LRC	: 8.1 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.158 kgfm	Insulation class	: F
Locked rotor torque	: 350 %	Service factor	: 1.15
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 3440 rpm		

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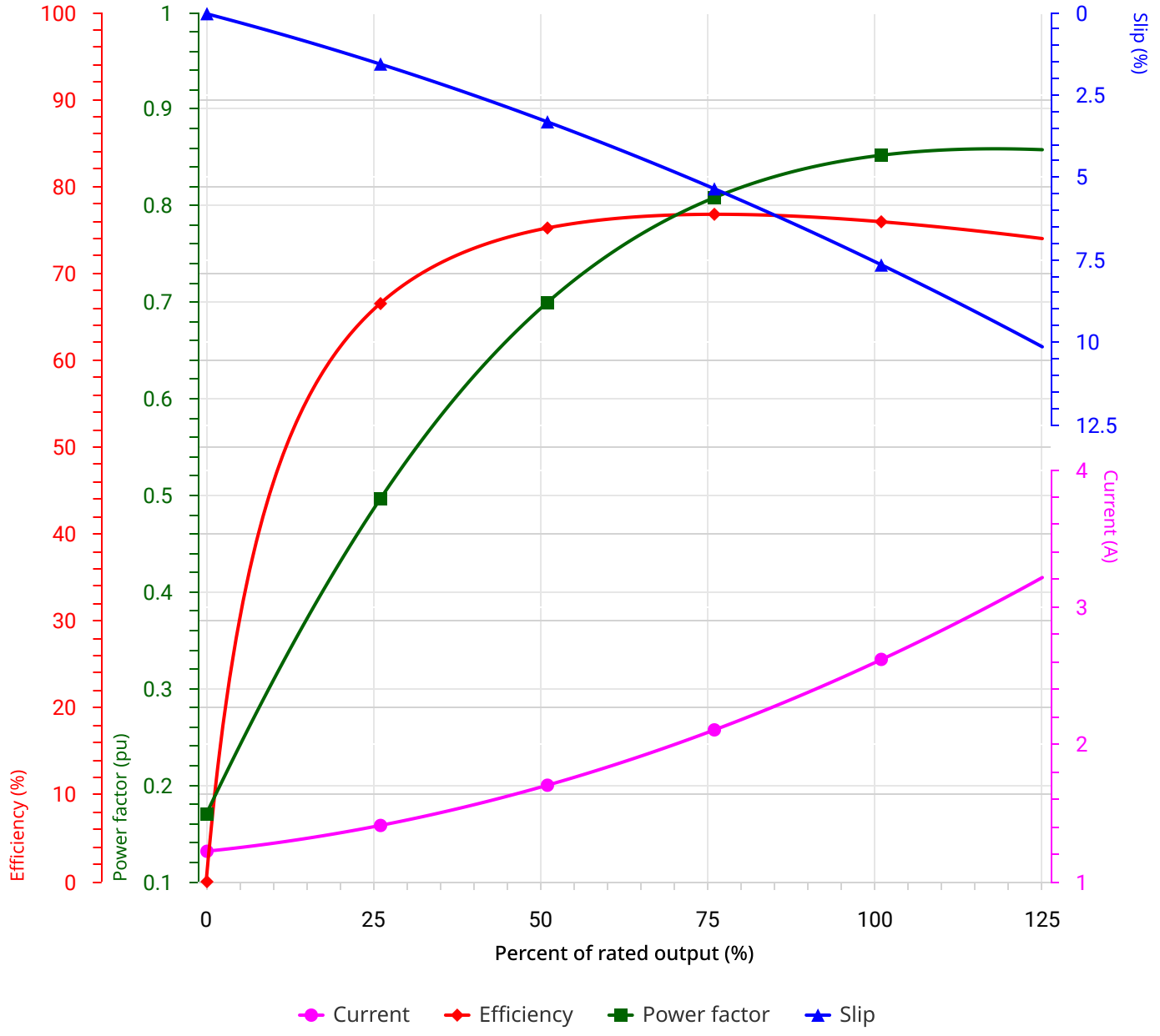
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Customer	:
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Performance	: 0.75 HP (0.55 kW) 190/380V 50Hz 2P W56C

Rated current	: 2.60/1.30 A	Moment of inertia (J)	: 0.0009 kgm²
LRC	: 6.0 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 0.196 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 2770 rpm		

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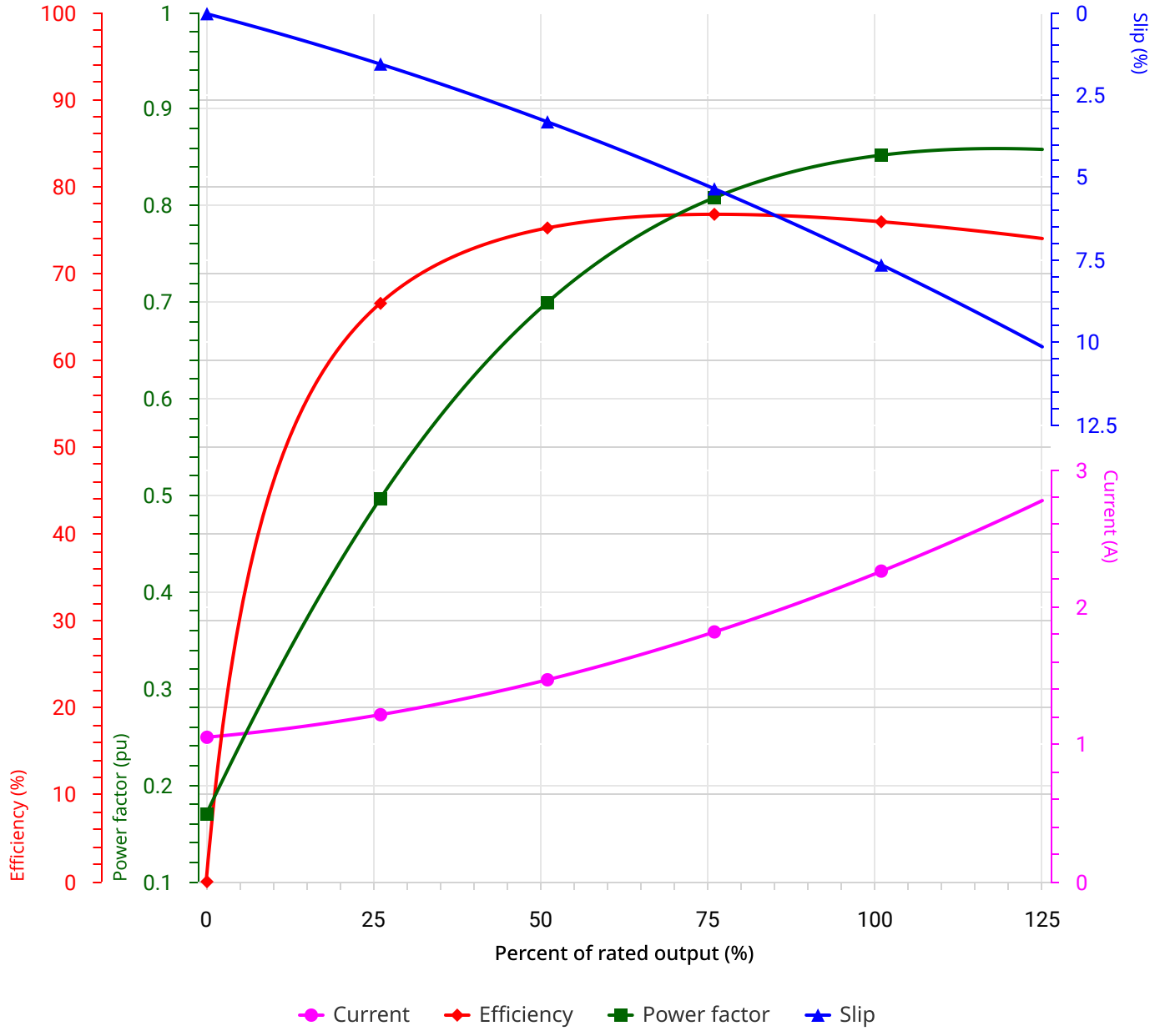
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Performance	: 0.75 HP (0.55 kW) 220V 50Hz 2P W56C

Rated current	: 2.25 A	Moment of inertia (J)	: 0.0009 kgm²
LRC	: 6.0 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 2770 rpm	Design	: 00002

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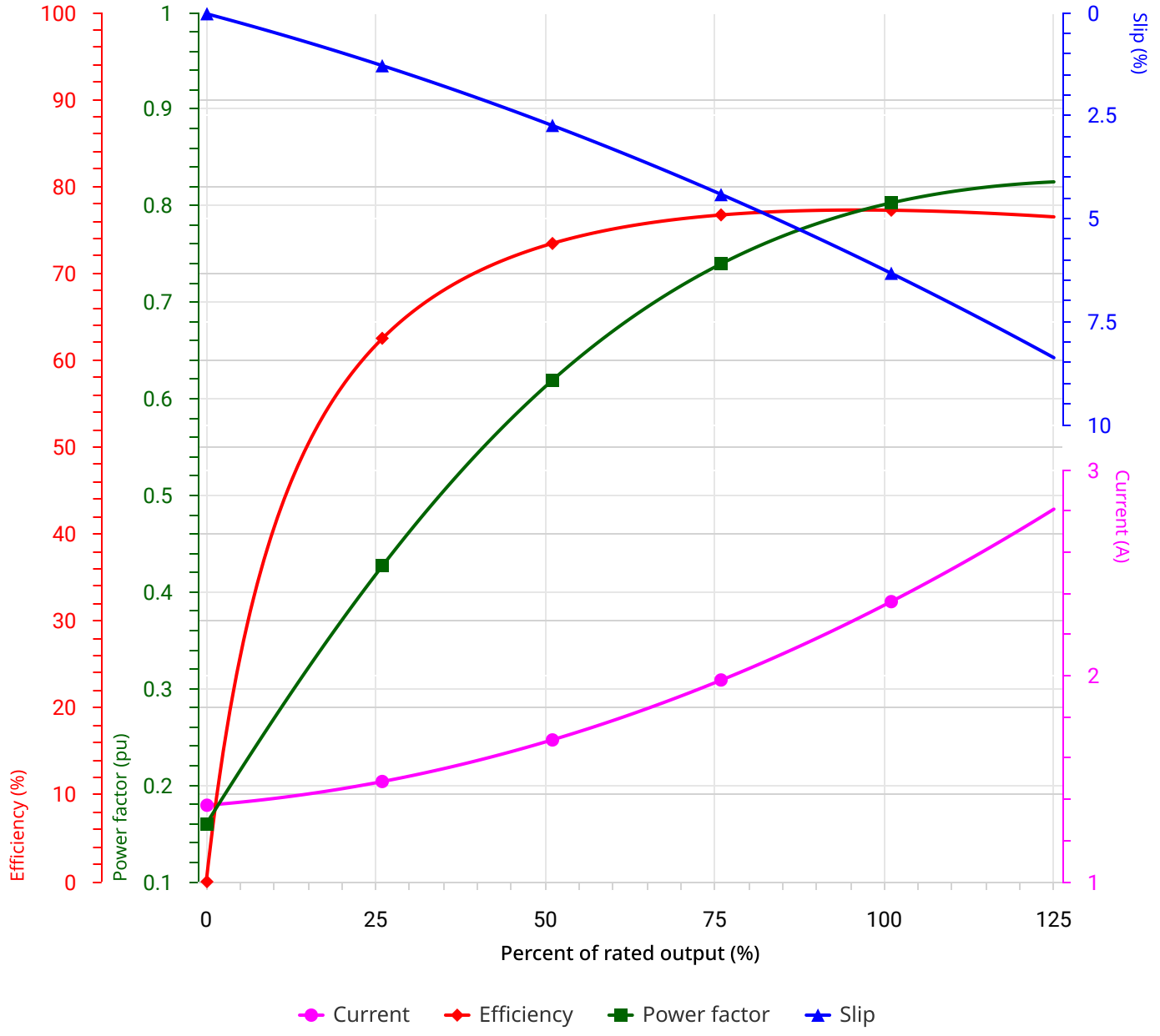
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Performance	: 0.75 HP (0.55 kW) 220/415V 50Hz 2P W56C

Rated current	: 2.34/1.24 A	Moment of inertia (J)	: 0.0009 kgm²
LRC	: 7.0 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.194 kgfm	Insulation class	: F
Locked rotor torque	: 310 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 2810 rpm		

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