DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma C Derating
Product code : 14337496

Frame	: W56C	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B14R(D)
Duty cycle	: S1	Rotation	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 10.8 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.0014 kgm²
Design	: A		

Output		1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 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		4.67-4.22/2.11 A	4.82/2.41 A	4.16 A	4.47/2.37 A
L. R. Amperes		37.1/18.6 A	38.1/19.0 A	32.9 A	39.8/21.1 A
LRC		8.8 Code L	7.9 Code K	7.9 Code K	8.9 Code M
No load current		2.40/1.20 A	2.40/1.20 A	2.07 A	2.83/1.50 A
Rated speed		3450 rpm	2815 rpm	2815 rpm	2850 rpm
Slip		4.17 %	6.17 %	6.17 %	5.00 %
Rated torque		0.316 kgfm	0.387 kgfm	0 kgfm	0.382 kgfm
Locked rotor torque		400 %	390 %	390 %	480 %
Breakdown torque		430 %	310 %	310 %	380 %
Service factor		1.30	1.30	1.15	1.30
Temperature rise		80 K	80 K	80 K	80 K
Noise level		62 dB(A)	60 dB(A)	60.0 dB(A)	60 dB(A)
Locked rotor time		13 s (hot) 23 s (cold)	10 s (hot) 18 s (cold)	10 s (hot) 18 s (cold)	9 s (hot) 16 s (cold)
Efficiency (%)	50%	78.5	80.0	80.0	77.0
	75%	82.5	81.0	81.0	80.0
	100%	84.0	82.7	82.7	82.7
Power Factor	Start	0.79	0.83	0.83	0.84
	50%	0.59	0.65	0.65	0.53
	75%	0.72	0.77	0.77	0.69
	100%	0.78	0.84	0.84	0.78
Losses at normative operating points (speed;torque), in percentage of rated output power					
P1 (0,9;1,0)		20.32	19.30	19.30	19.82
P2 (0,5;1,0)		16.90	16.05	16.05	16.48
P3 (0,25;1,0)		16.37	15.55	15.55	15.97
P4 (0,9;0,5)		11.83	11.23	11.23	11.53
P5 (0,5;0,5)		7.80	7.40	7.40	7.61
P6 (0,5;0,25)		5.96	5.66	5.66	5.81
P7 (0,25;0,25)		4.05	3.85	3.85	3.95

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

Foundation loads
Max. traction : 41 kgf
Max. compression : 52 kgf

Notes:

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/17

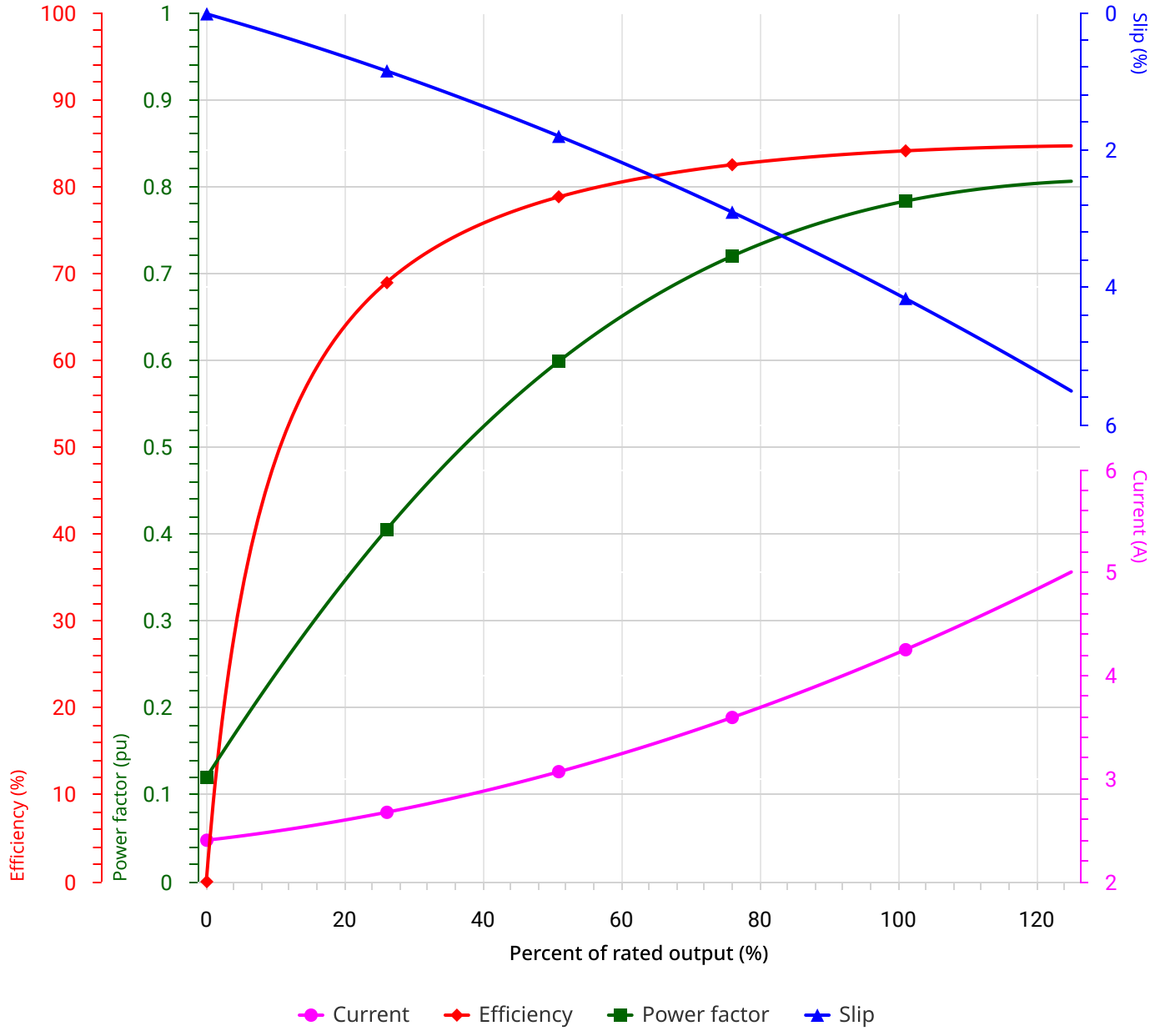
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LOAD PERFORMANCE CURVE

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Product code	: 14337496



Performance	: 1.5 HP (1.1 kW) 208/230/460V 60Hz 2P W56C

Rated current	: 4.67/4.22/2.11 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 8.8 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.316 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	: 1.30
Breakdown torque	: 430 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm	Design	: A

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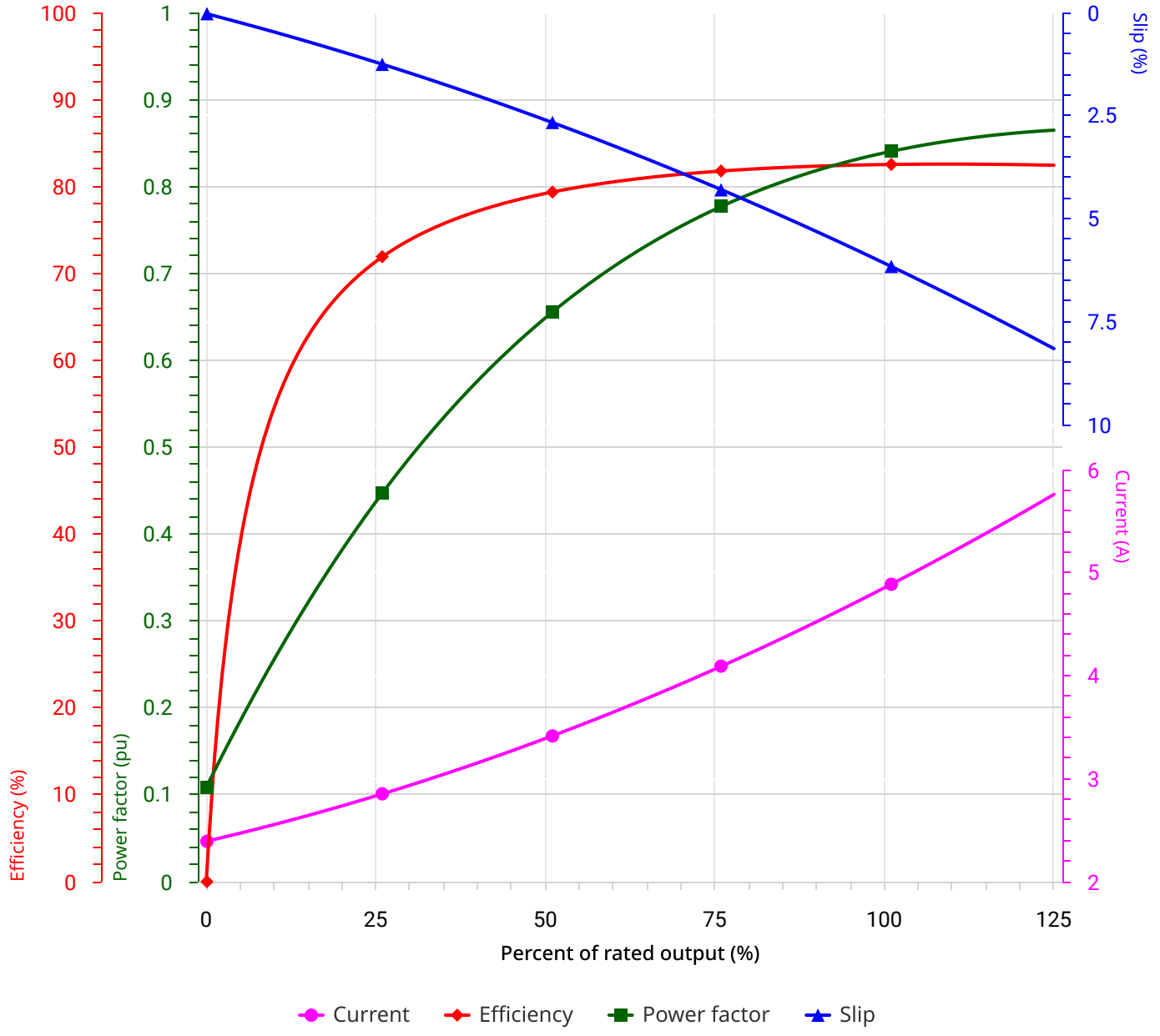
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Customer	:
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Product code	: 14337496



Performance	: 1.5 HP (1.1 kW) 190/380V 50Hz 2P W56C

Rated current	: 4.82/2.41 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 7.9 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.387 kgfm	Insulation class	: F
Locked rotor torque	: 390 %	Service factor	: 1.30
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2815 rpm	Design	: A

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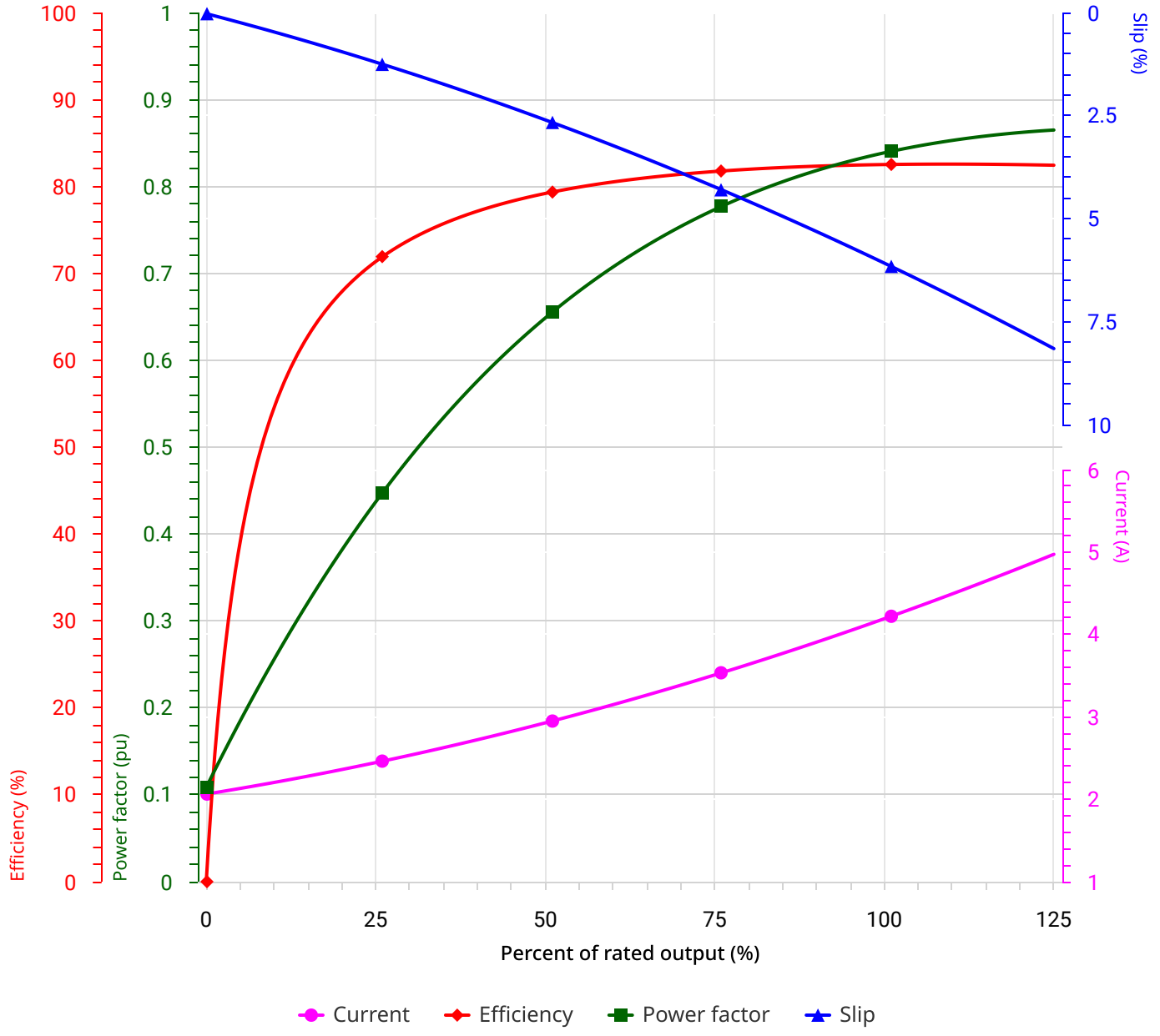
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Performance	: 1.5 HP (1.1 kW) 220V 50Hz 2P W56C

Rated current	: 4.16 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 7.9 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 390 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2815 rpm	Design	: 00001

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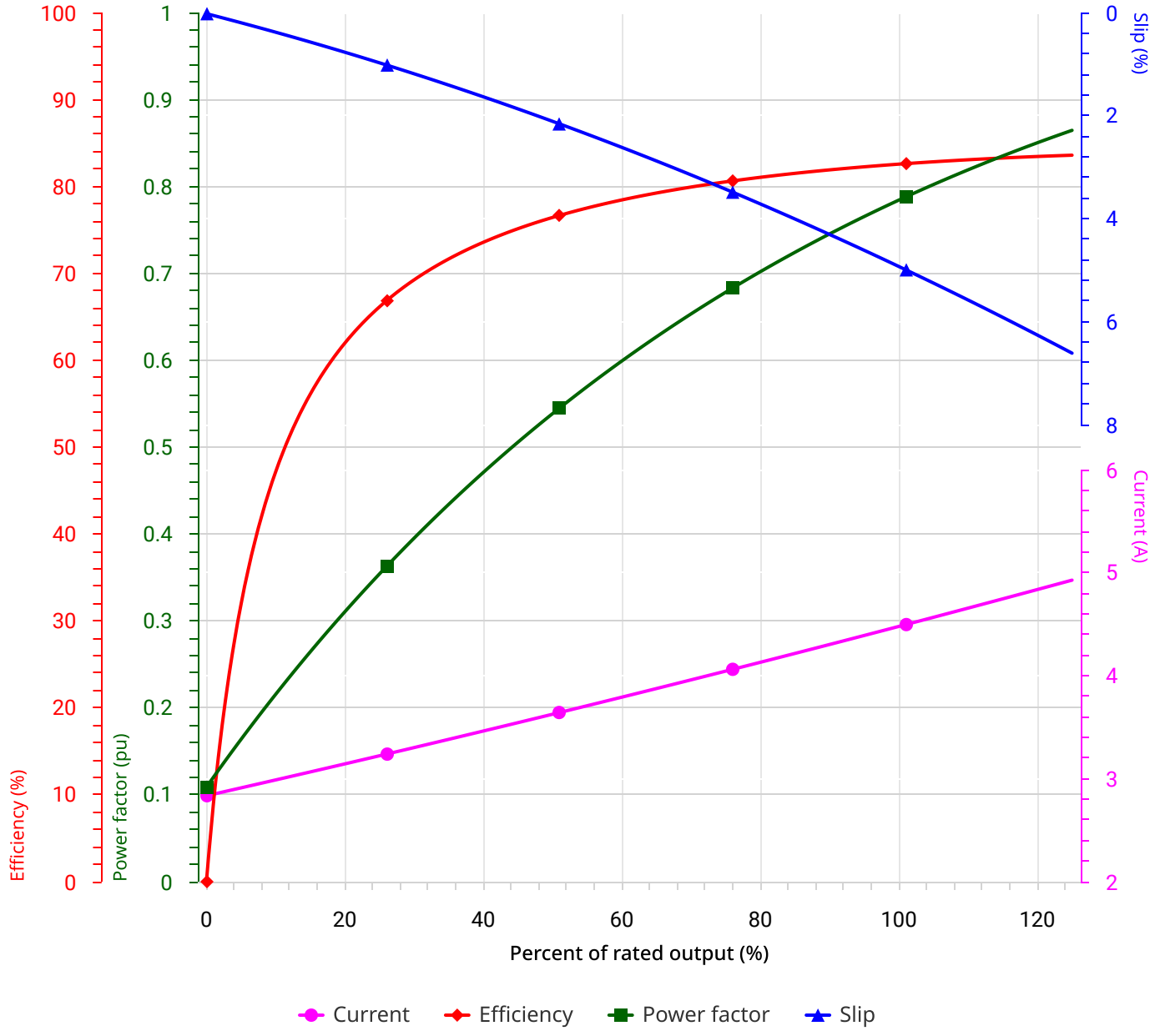
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Performance	: 1.5 HP (1.1 kW) 220/415V 50Hz 2P W56C

Rated current	: 4.47/2.37 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 8.9 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.382 kgfm	Insulation class	: F
Locked rotor torque	: 480 %	Service factor	: 1.30
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 2850 rpm	Design	: A

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