DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 14902007

Frame	: W56J	Cooling method	: IC01 - ODP
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	: 7.3 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.0008 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		2.61-2.36/1.18 A	2.76/1.38 A	2.38 A	2.64/1.40 A
L. R. Amperes		18.4/9.20 A	17.7/8.83 A	15.3 A	18.2/9.66 A
LRC		7.8 Code L	6.4 Code J	6.4 Code J	6.9 Code L
No load current		1.60/0.800 A	1.50/0.750 A	1.30 A	1.89/1.00 A
Rated speed		3450 rpm	2820 rpm	2820 rpm	2850 rpm
Slip		4.17 %	6.00 %	6.00 %	5.00 %
Rated torque		0.158 kgfm	0.193 kgfm	0 kgfm	0.191 kgfm
Locked rotor torque		370 %	300 %	300 %	370 %
Breakdown torque		400 %	280 %	280 %	330 %
Service factor		1.50	1.50	1.50	1.50
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		18 s (hot) 32 s (cold)	18 s (hot) 32 s (cold)	18 s (hot) 32 s (cold)	15 s (hot) 27 s (cold)
Efficiency (%)	50%	68.0	71.0	71.0	67.0
	75%	72.0	74.0	74.0	72.0
	100%	76.8	74.0	74.0	74.0
Power Factor	Start	0.80	0.83	0.83	0.84
	50%	0.57	0.62	0.62	0.50
	75%	0.69	0.75	0.75	0.64
	100%	0.76	0.82	0.82	0.74
Losses at normative operating points (speed;torque), in percentage of rated output power					
P1 (0,9;1,0)		27.35	31.81	31.81	31.81
P2 (0,5;1,0)		19.66	22.87	22.87	22.87
P3 (0,25;1,0)		18.80	21.86	21.86	21.86
P4 (0,9;0,5)		18.95	22.04	22.04	22.04
P5 (0,5;0,5)		10.77	12.52	12.52	12.52
P6 (0,5;0,25)		9.05	10.52	10.52	10.52
P7 (0,25;0,25)		5.57	6.47	6.47	6.47

	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
				2026/11/13

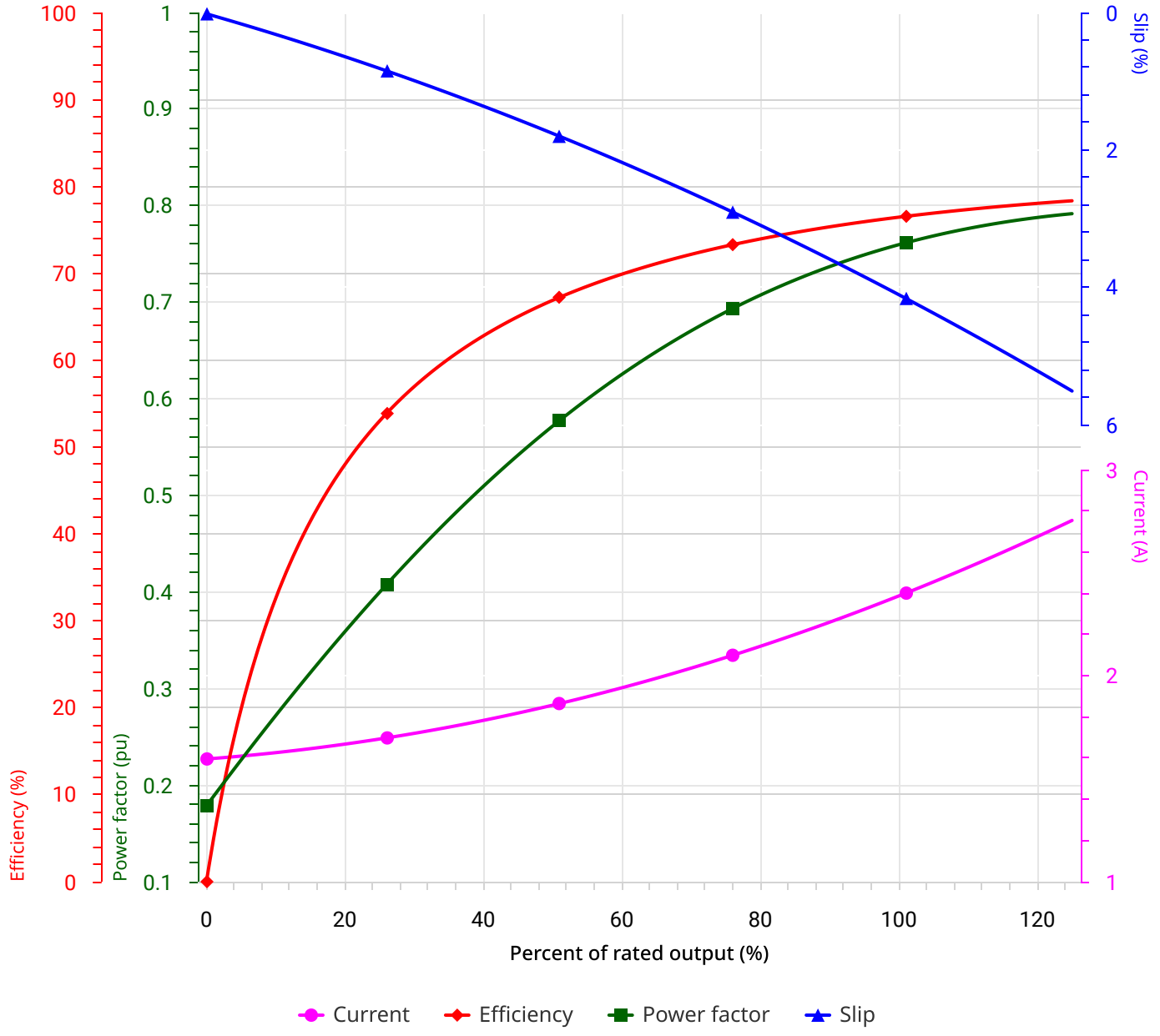
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LOAD PERFORMANCE CURVE

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Performance	: 0.75 HP (0.55 kW) 208/230/460V 60Hz 2P W56J

Rated current	: 2.61/2.36/1.18 A	Moment of inertia (J)	: 0.0008 kgm²
LRC	: 7.8 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.158 kgfm	Insulation class	: F
Locked rotor torque	: 370 %	Service factor	: 1.50
Breakdown torque	: 400 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm		

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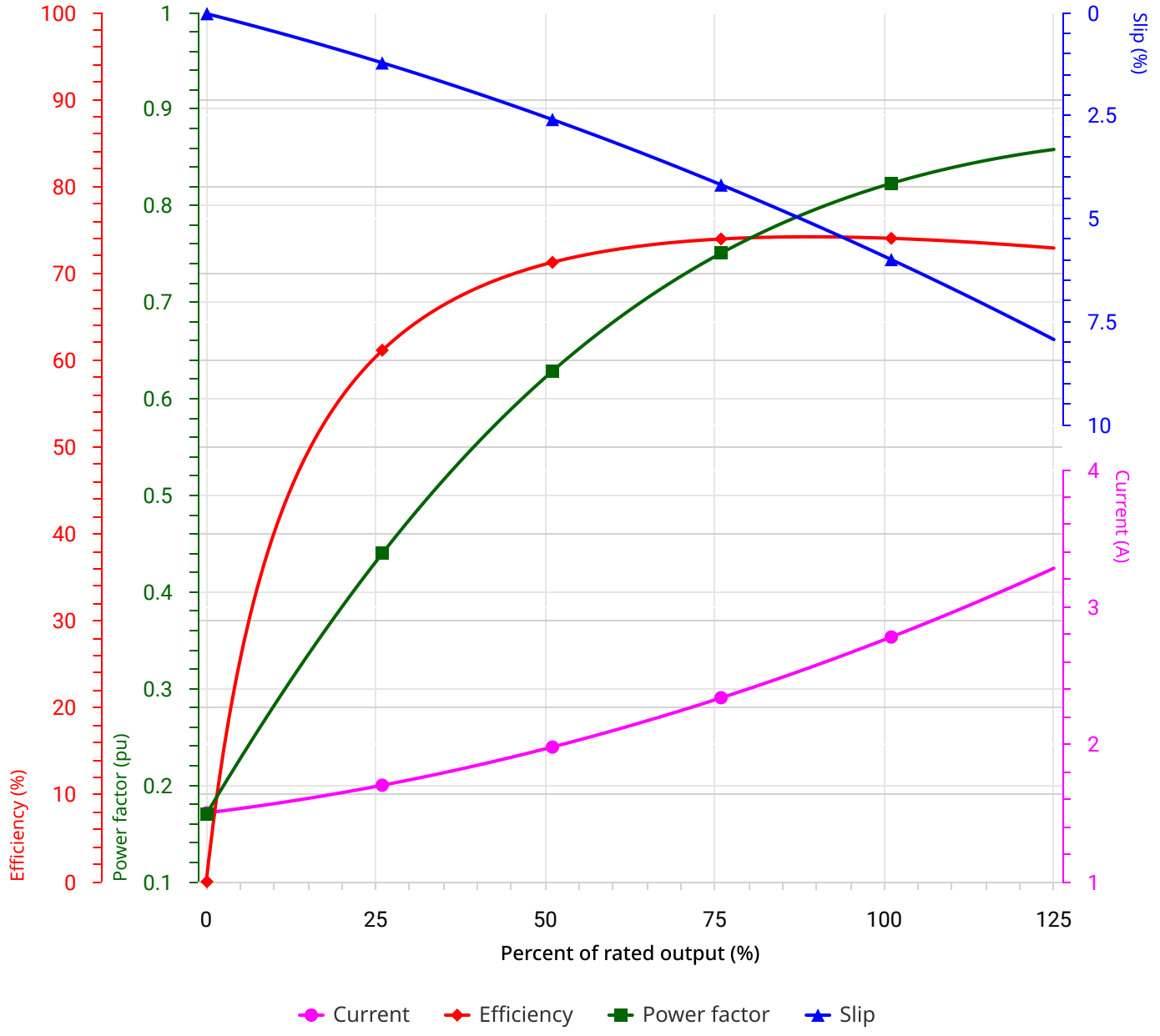
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Three Phase Induction Motor - Squirrel Cage

Customer	:
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Product code	: 14902007



Performance	: 0.75 HP (0.55 kW) 190/380V 50Hz 2P W56J

Rated current	: 2.76/1.38 A	Moment of inertia (J)	: 0.0008 kgm²
LRC	: 6.4 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.193 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.50
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2820 rpm		

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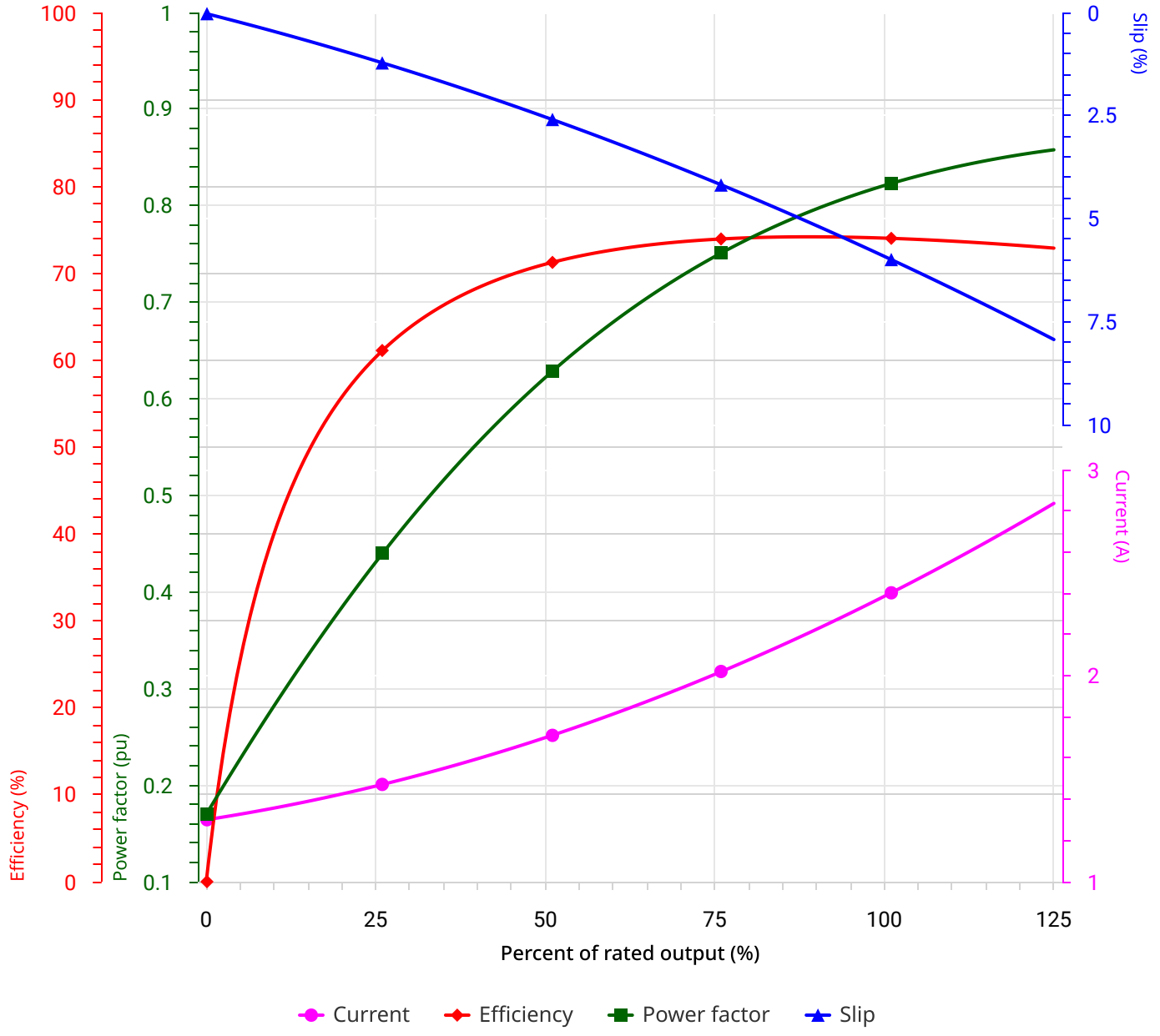
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Performance	: 0.75 HP (0.55 kW) 220V 50Hz 2P W56J

Rated current	: 2.38 A	Moment of inertia (J)	: 0.0008 kgm²
LRC	: 6.4 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.50
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2820 rpm	Design	: 00001

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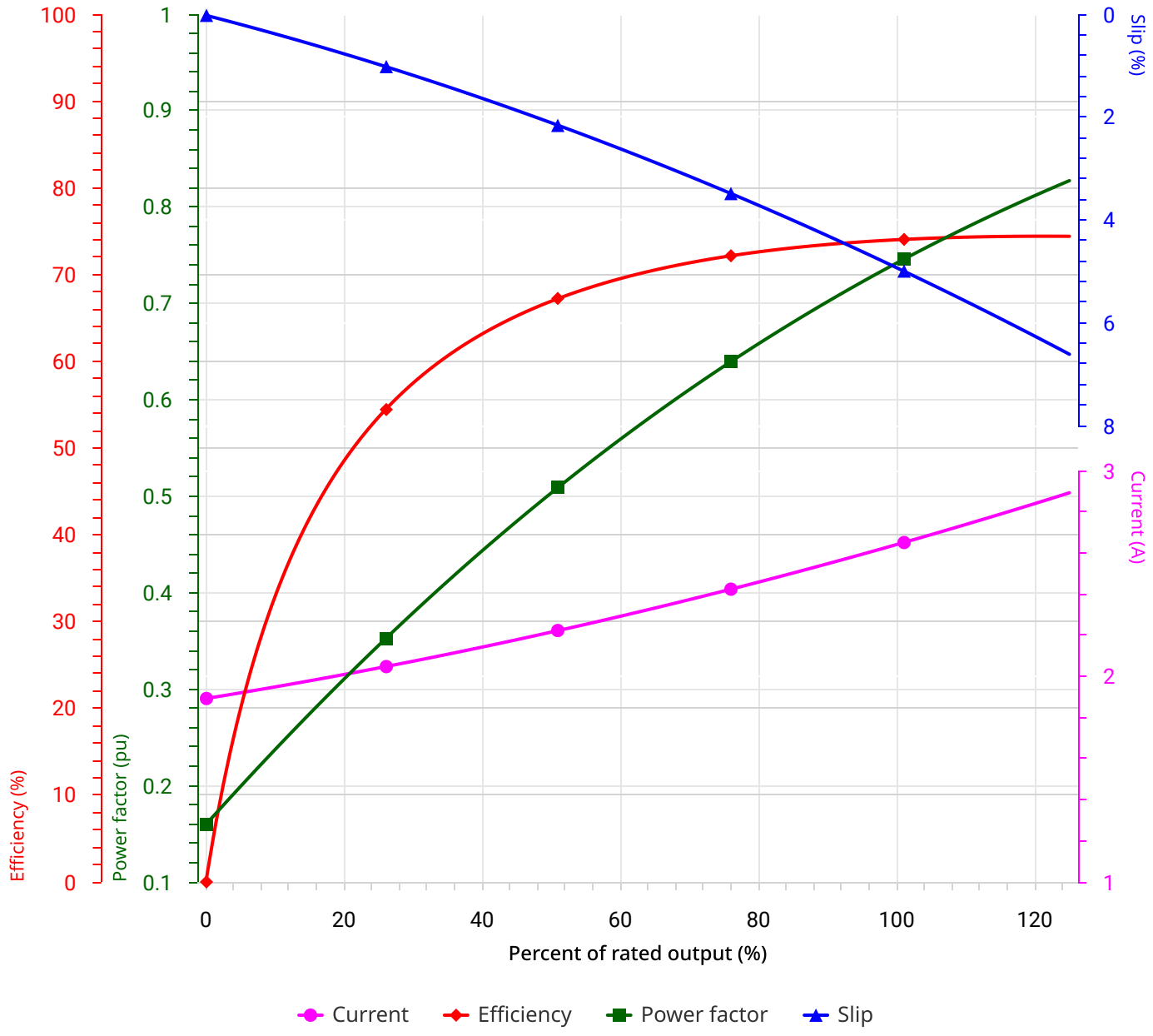
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Performance	: 0.75 HP (0.55 kW) 220/415V 50Hz 2P W56J

Rated current	: 2.64/1.40 A	Moment of inertia (J)	: 0.0008 kgm²
LRC	: 6.9 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.191 kgfm	Insulation class	: F
Locked rotor torque	: 370 %	Service factor	: 1.50
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 2850 rpm		

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