DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 13721660

Frame	: W56J	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	: 6.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0006 kgm²
Design	: NONE		

Output		0.25 HP (0.18 kW)	0.25 HP (0.18 kW)	0.25 HP (0.18 kW)	0.25 HP (0.18 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		1.01-0.912/0.456 A	0.986/0.493 A	0.852 A	0.907/0.481 A
L. R. Amperes		6.75/3.37 A	5.92/2.96 A	5.11 A	6.17/3.27 A
LRC		7.4 Code M	6.0 Code J	6.0 Code J	6.8 Code L
No load current		0.576/0.288 A	0.560/0.280 A	0.484 A	0.596/0.316 A
Rated speed		3460 rpm	2835 rpm	2835 rpm	2865 rpm
Slip		3.89 %	5.50 %	5.50 %	4.50 %
Rated torque		0.052 kgfm	0.064 kgfm	0 kgfm	0.063 kgfm
Locked rotor torque		350 %	270 %	270 %	330 %
Breakdown torque		400 %	300 %	300 %	370 %
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		30 s (hot) 54 s (cold)	30 s (hot) 54 s (cold)	30 s (hot) 54 s (cold)	26 s (hot) 47 s (cold)
Efficiency (%)	50%	55.0	61.5	61.5	60.1
	75%	62.0	67.7	67.7	67.1
	100%	66.0	70.2	70.2	70.4
Power Factor	Start	0.77	0.81	0.81	0.82
	50%	0.60	0.64	0.64	0.57
	75%	0.70	0.75	0.75	0.68
	100%	0.75	0.79	0.79	0.74
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
				2026/11/17

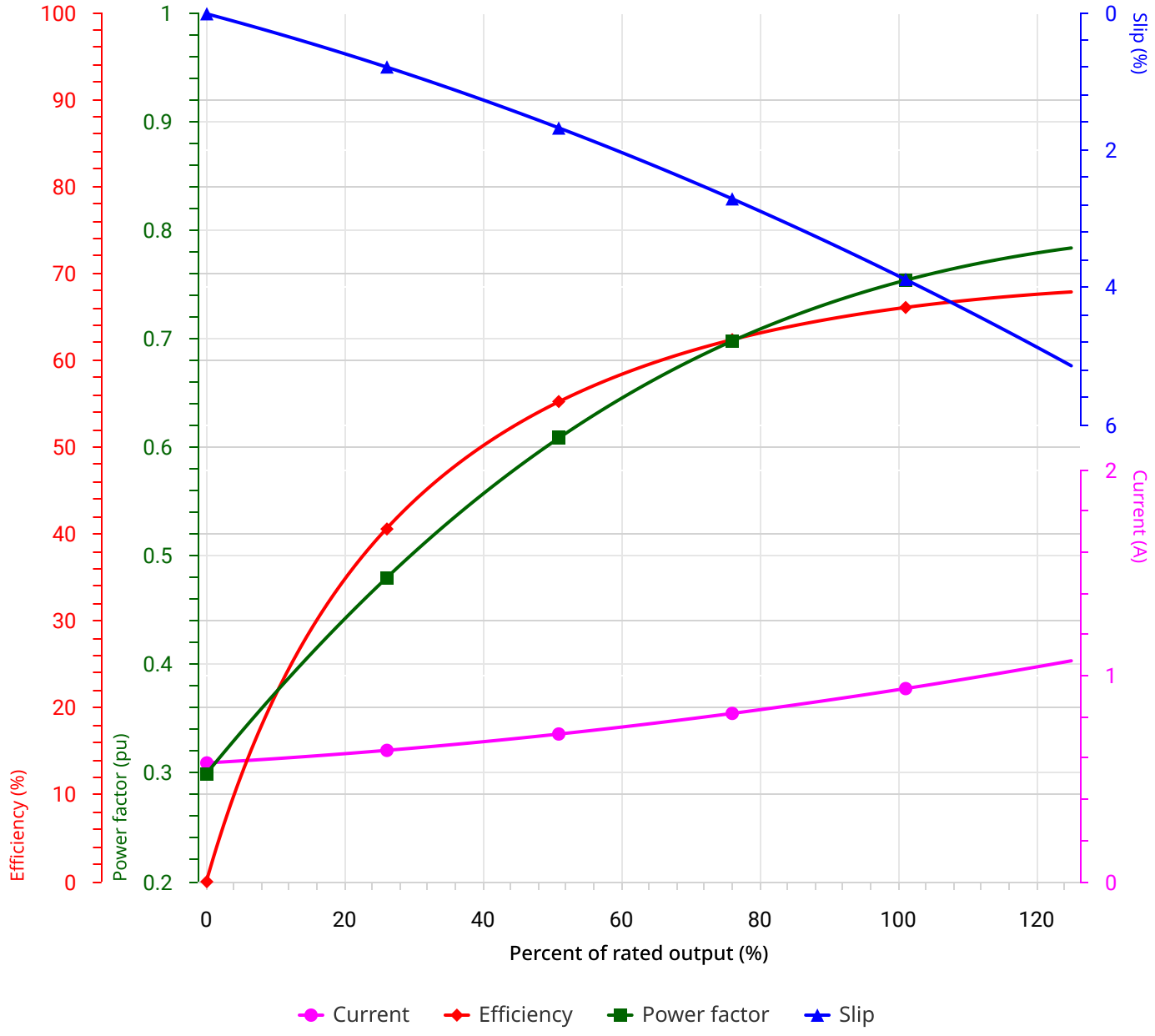
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LOAD PERFORMANCE CURVE

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Customer	:
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Product code	: 13721660



Performance	: 0.25 HP (0.18 kW) 208/230/460V 60Hz 2P W56J

Rated current	: 1.01/0.912/0.456 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 7.4 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.052 kgfm	Insulation class	: F
Locked rotor torque	: 350 %	Service factor	: 1.15
Breakdown torque	: 400 %	Temperature rise	: 80 K
Rated speed	: 3460 rpm		

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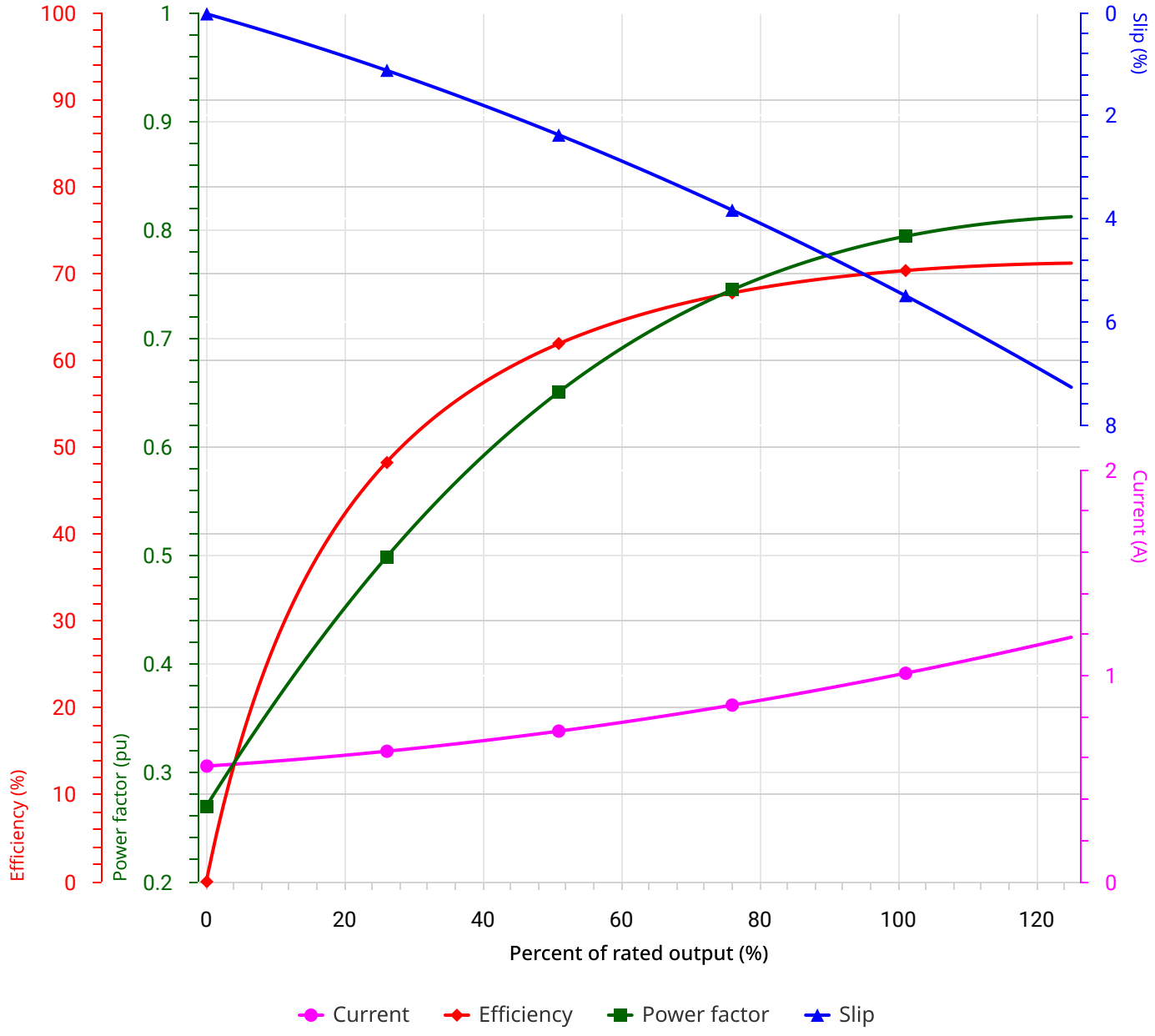
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Customer	:
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Performance	: 0.25 HP (0.18 kW) 190/380V 50Hz 2P W56J		
Rated current	: 0.986/0.493 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.0 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.064 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2835 rpm		

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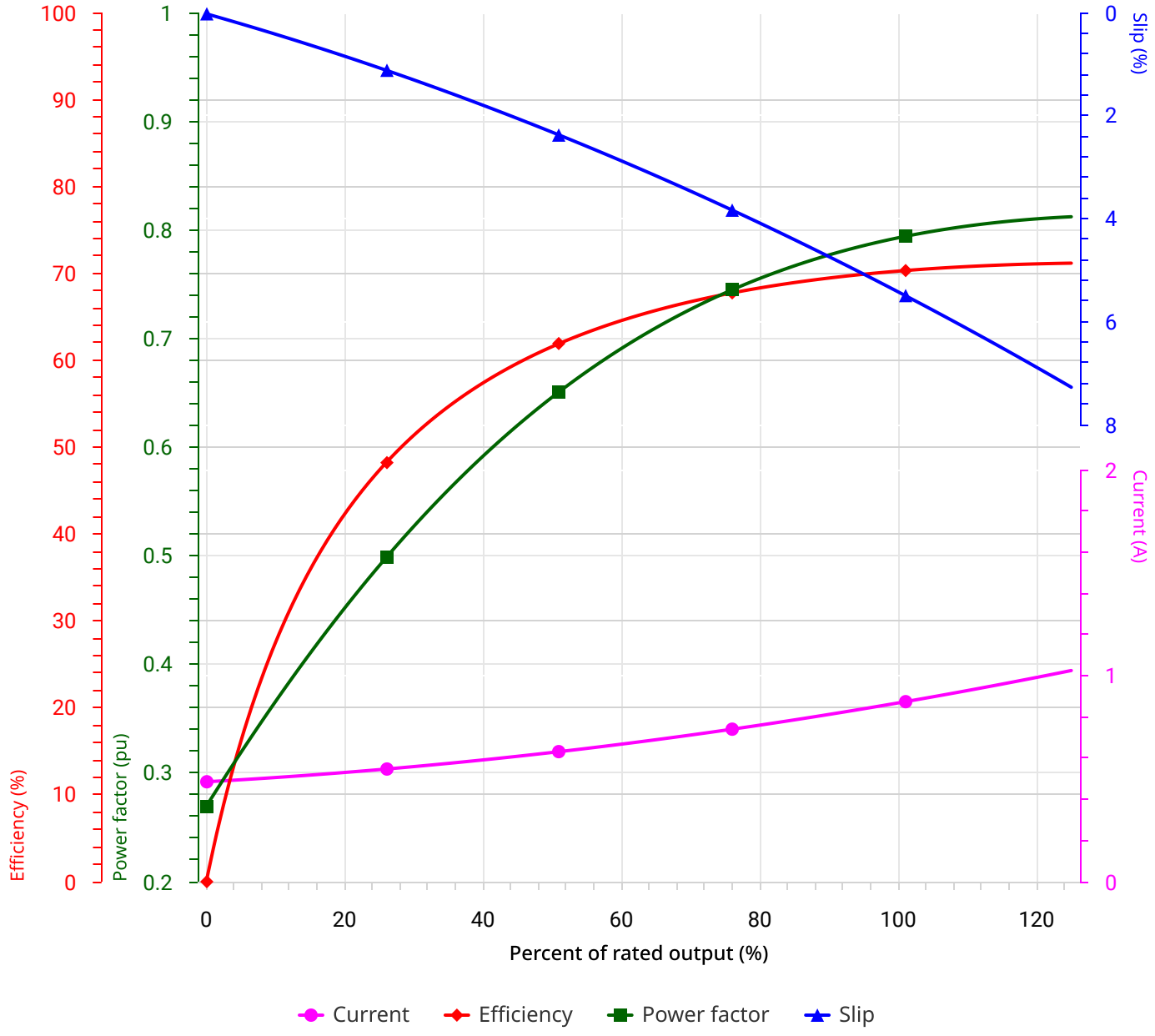
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Customer	:
Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 13721660



Performance	: 0.25 HP (0.18 kW) 220V 50Hz 2P W56J		
Rated current	: 0.852 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.0 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2835 rpm	Design	: 00002

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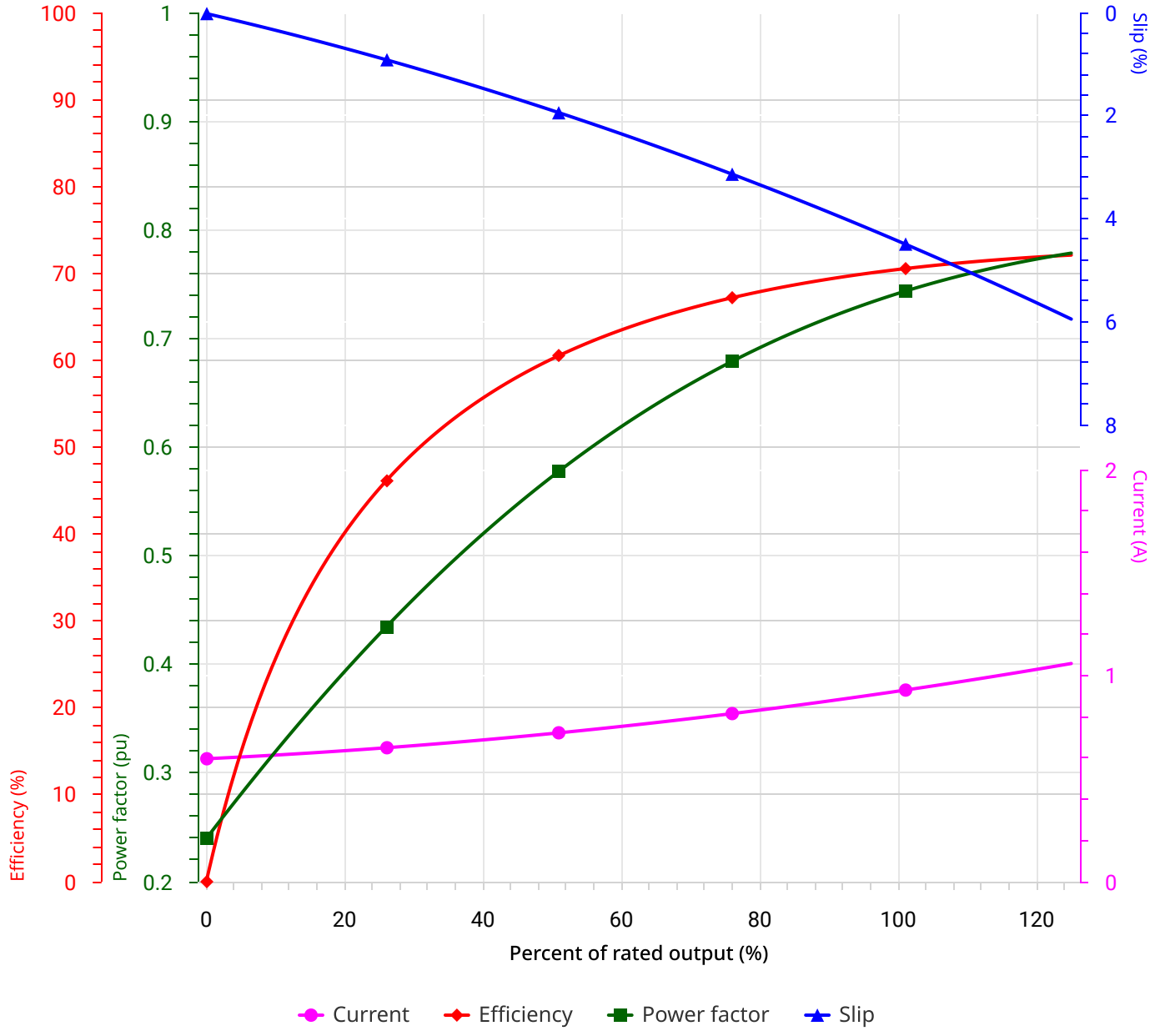
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Performance	: 0.25 HP (0.18 kW) 220/415V 50Hz 2P W56J

Rated current	: 0.907/0.481 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.8 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.063 kgfm	Insulation class	: F
Locked rotor torque	: 330 %	Service factor	: 1.15
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 2865 rpm		

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