DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 13997360

Frame	: W56J	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	: 8.3 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.001 kgm²
Design	: NONE		

Output		1 HP (0.75 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	220/415 V
Rated current		3.60-3.26/1.63 A	2.86/1.43 A	2.81/1.49 A
L. R. Amperes		27.1/13.5 A	24.6/12.3 A	25.0/13.3 A
LRC		8.3 Code M	8.6 Code M	8.9 Code P
No load current		2.00/1.00 A	1.84/0.920 A	2.28/1.21 A
Rated speed		3450 rpm	2870 rpm	2890 rpm
Slip		4.17 %	4.33 %	3.67 %
Rated torque		0.210 kgfm	0.190 kgfm	0.188 kgfm
Locked rotor torque		400 %	420 %	510 %
Breakdown torque		410 %	380 %	450 %
Service factor		1.40	1.40	1.40
Temperature rise		80 K	80 K	80 K
Noise level		62 dB(A)	60 dB(A)	60 dB(A)
Locked rotor time		9 s (hot) 16 s (cold)	12 s (hot) 22 s (cold)	9 s (hot) 16 s (cold)
Efficiency (%)	50%	70.0	71.8	66.3
	75%	75.5	76.6	73.0
	100%	77.0	77.8	77.8
Power Factor	Start	0.80	0.84	0.84
	50%	0.55	0.57	0.47
	75%	0.68	0.70	0.60
	100%	0.75	0.75	0.66
Losses at normative operating points (speed;torque), in percentage of rated output power				
P1 (0,9;1,0)		35.25	32.22	28.61
P2 (0,5;1,0)		27.14	24.81	22.03
P3 (0,25;1,0)		28.19	25.76	22.88
P4 (0,9;0,5)		21.78	19.90	17.67
P5 (0,5;0,5)		13.37	12.23	10.86
P6 (0,5;0,25)		11.33	10.36	9.20
P7 (0,25;0,25)		6.95	6.35	5.64

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

Foundation loads
Max. traction : 23 kgf
Max. compression : 32 kgf

Notes:

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/12

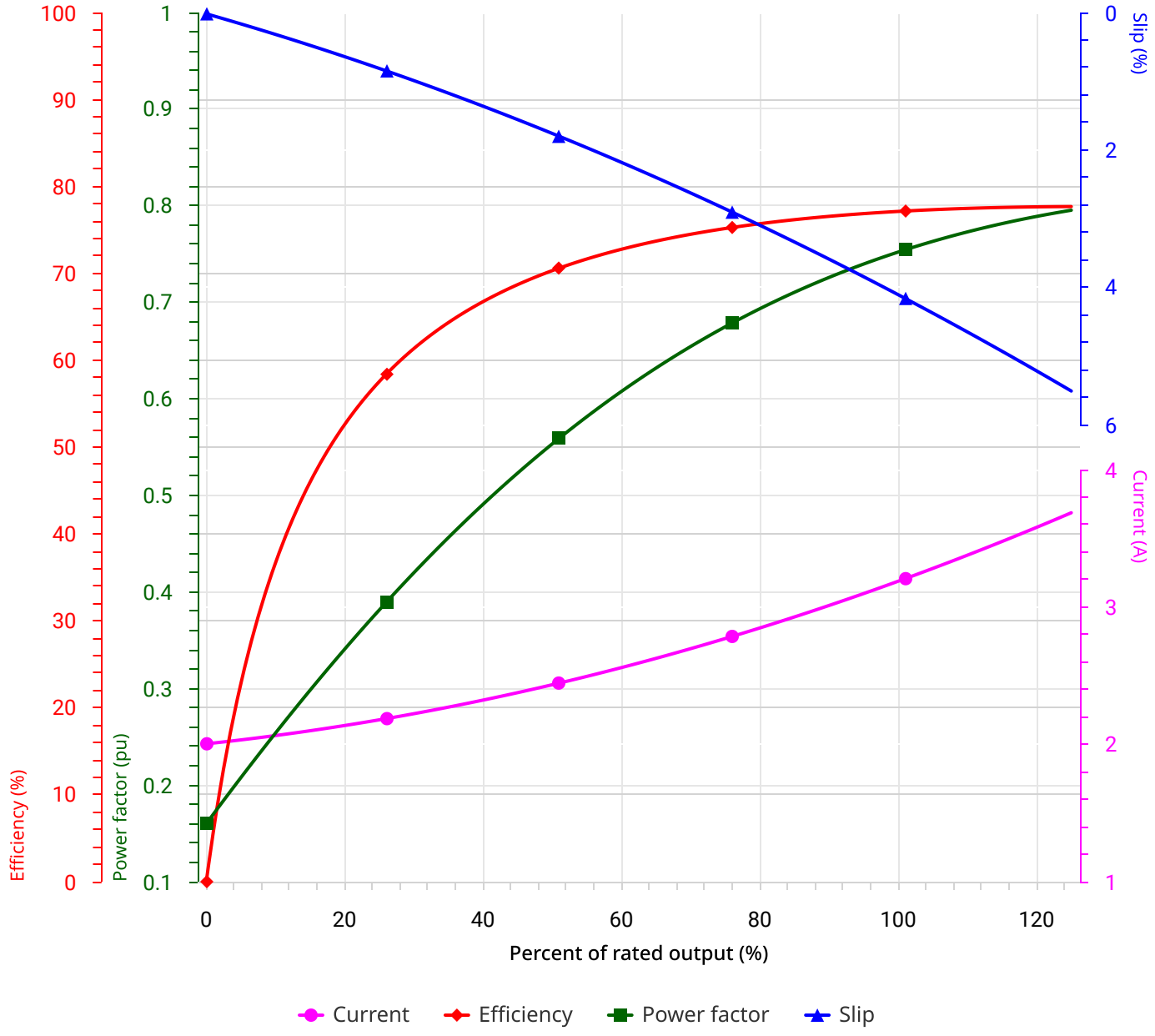
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Performance	: 1 HP (0.75 kW) 208/230/460V 60Hz 2P W56J

Rated current	: 3.60/3.26/1.63 A	Moment of inertia (J)	: 0.001 kgm²
LRC	: 8.3 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	: 1.40
Breakdown torque	: 410 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm		

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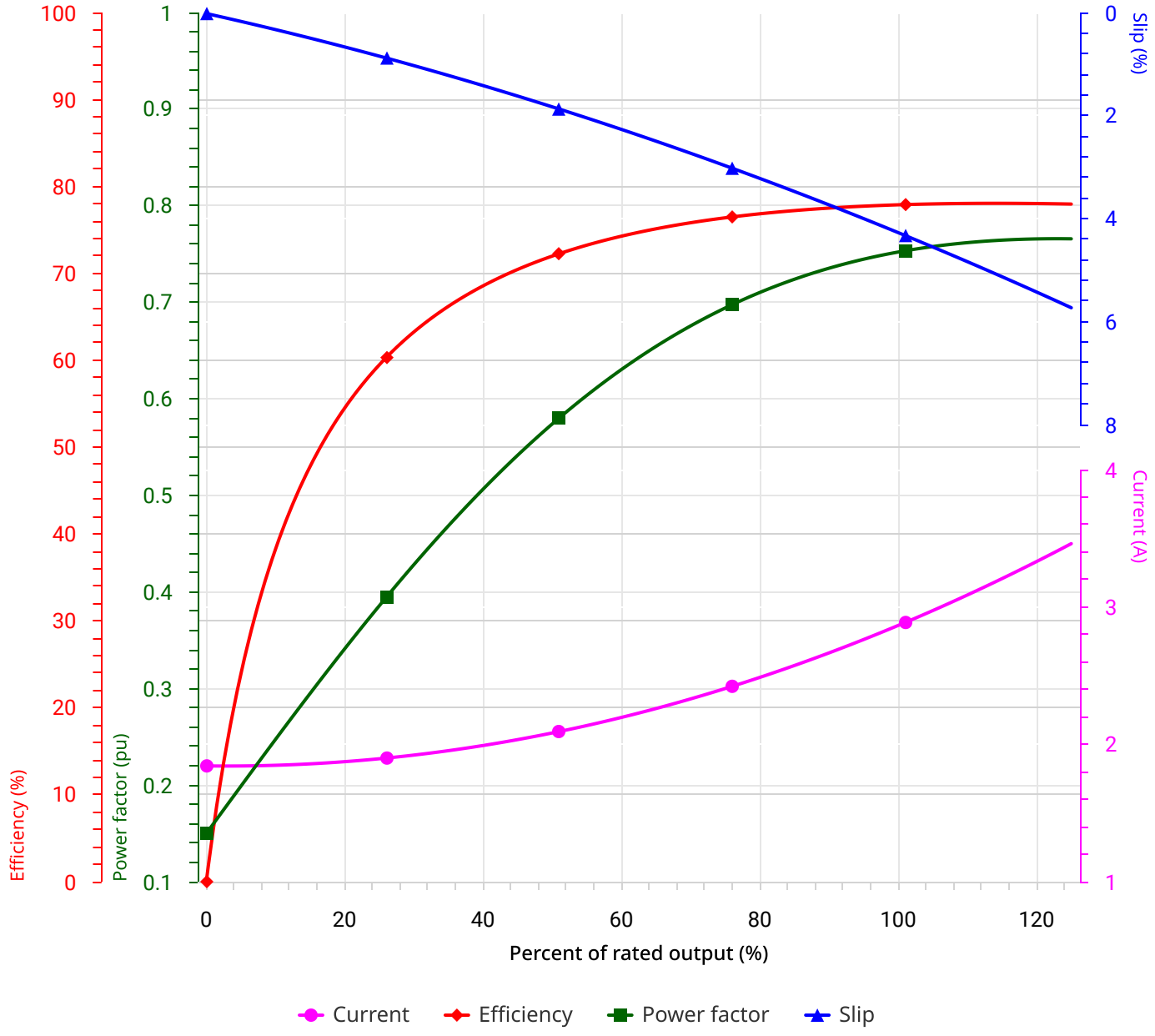
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Customer	:
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Performance	: 0.75 HP (0.55 kW) 190/380V 50Hz 2P W56J

Rated current	: 2.86/1.43 A	Moment of inertia (J)	: 0.001 kgm²
LRC	: 8.6 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.190 kgfm	Insulation class	: F
Locked rotor torque	: 420 %	Service factor	: 1.40
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 2870 rpm		

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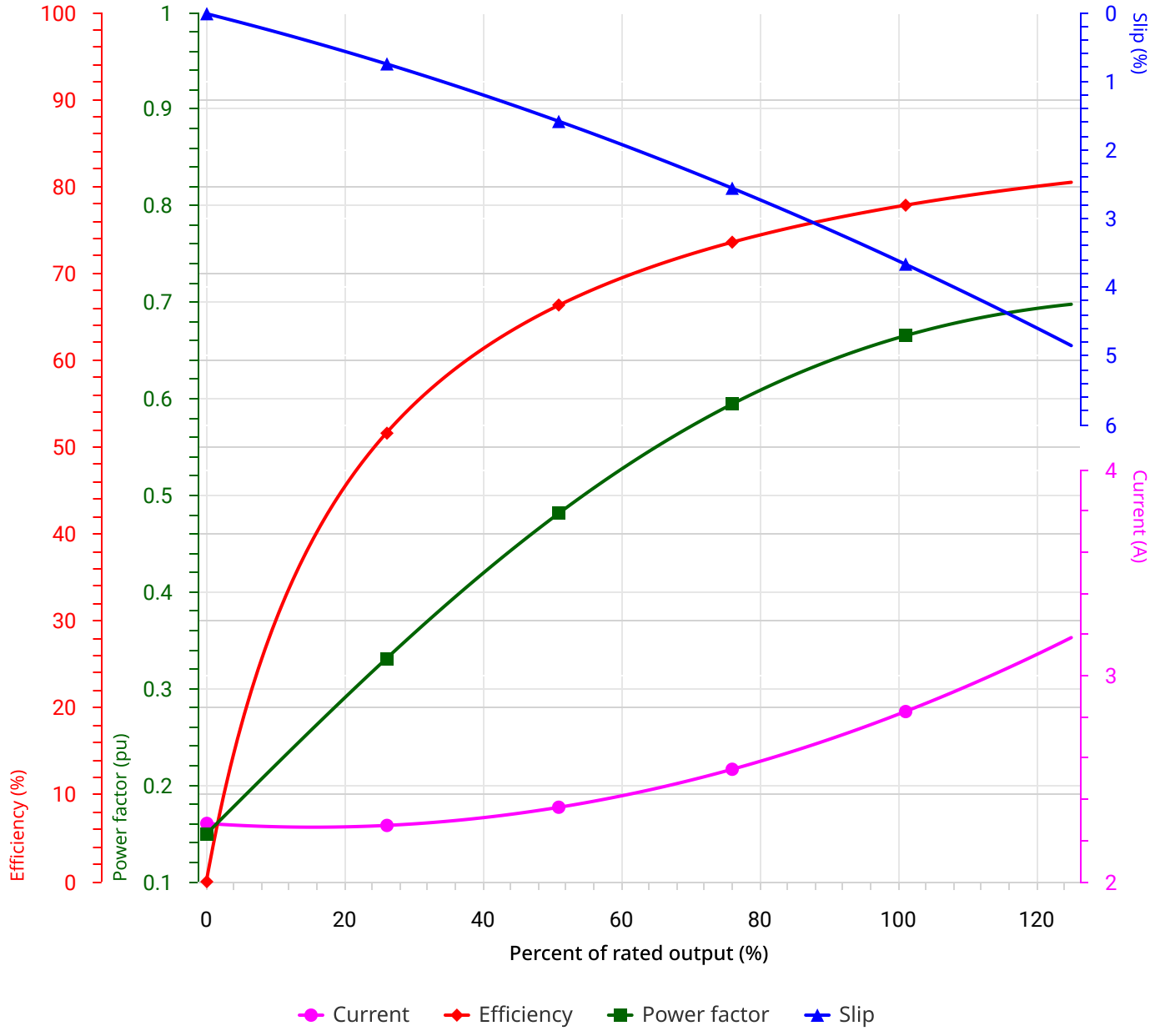
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Performance	: 0.75 HP (0.55 kW) 220/415V 50Hz 2P W56J

Rated current	: 2.81/1.49 A	Moment of inertia (J)	: 0.001 kgm²
LRC	: 8.9 Code P	Duty cycle	: Cont.(S1)
Rated torque	: 0.188 kgfm	Insulation class	: F
Locked rotor torque	: 510 %	Service factor	: 1.40
Breakdown torque	: 450 %	Temperature rise	: 80 K
Rated speed	: 2890 rpm		

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