DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - ODP - Premium Efficiency (DOE) Derating
Product code	: 14733008

Frame	: W56	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B3R(D)
Duty cycle	: S1	Rotation	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 5.8 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.0005 kgm²
Design	: NONE		

Output		0.33 HP (0.25 kW)	0.33 HP (0.25 kW)	0.33 HP (0.25 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		1.32-1.20/0.598 A	1.35/0.675 A	1.26/0.666 A
L. R. Amperes		7.06/3.53 A	6.08/3.04 A	6.28/3.33 A
LRC		5.9 Code K	4.5 Code G	5.0 Code J
No load current		0.874/0.437 A	0.832/0.416 A	0.956/0.507 A
Rated speed		3450 rpm	2785 rpm	2830 rpm
Slip		4.17 %	7.17 %	5.67 %
Rated torque		0.069 kgfm	0.086 kgfm	0.085 kgfm
Locked rotor torque		270 %	190 %	230 %
Breakdown torque		300 %	210 %	260 %
Service factor		1.35	1.35	1.15
Temperature rise		80 K	80 K	80 K
Noise level		62 dB(A)	60 dB(A)	60 dB(A)
Locked rotor time		25 s (hot) 45 s (cold)	30 s (hot) 54 s (cold)	25 s (hot) 45 s (cold)
Efficiency (%)	50%	59.5	61.0	58.0
	75%	68.0	66.0	65.0
	100%	70.0	67.0	67.0
Power Factor	Start	0.83	0.86	0.87
	50%	0.53	0.63	0.55
	75%	0.66	0.76	0.68
	100%	0.75	0.84	0.78
Losses at normative operating points (speed;torque), in percentage of rated output power				
P1 (0,9;1,0)		0.00	0.00	0.00
P2 (0,5;1,0)		0.00	0.00	0.00
P3 (0,25;1,0)		0.00	0.00	0.00
P4 (0,9;0,5)		0.00	0.00	0.00
P5 (0,5;0,5)		0.00	0.00	0.00
P6 (0,5;0,25)		0.00	0.00	0.00
P7 (0,25;0,25)		0.00	0.00	0.00

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

Foundation loads
Max. traction : 4 kgf
Max. compression : 10 kgf

Notes:

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

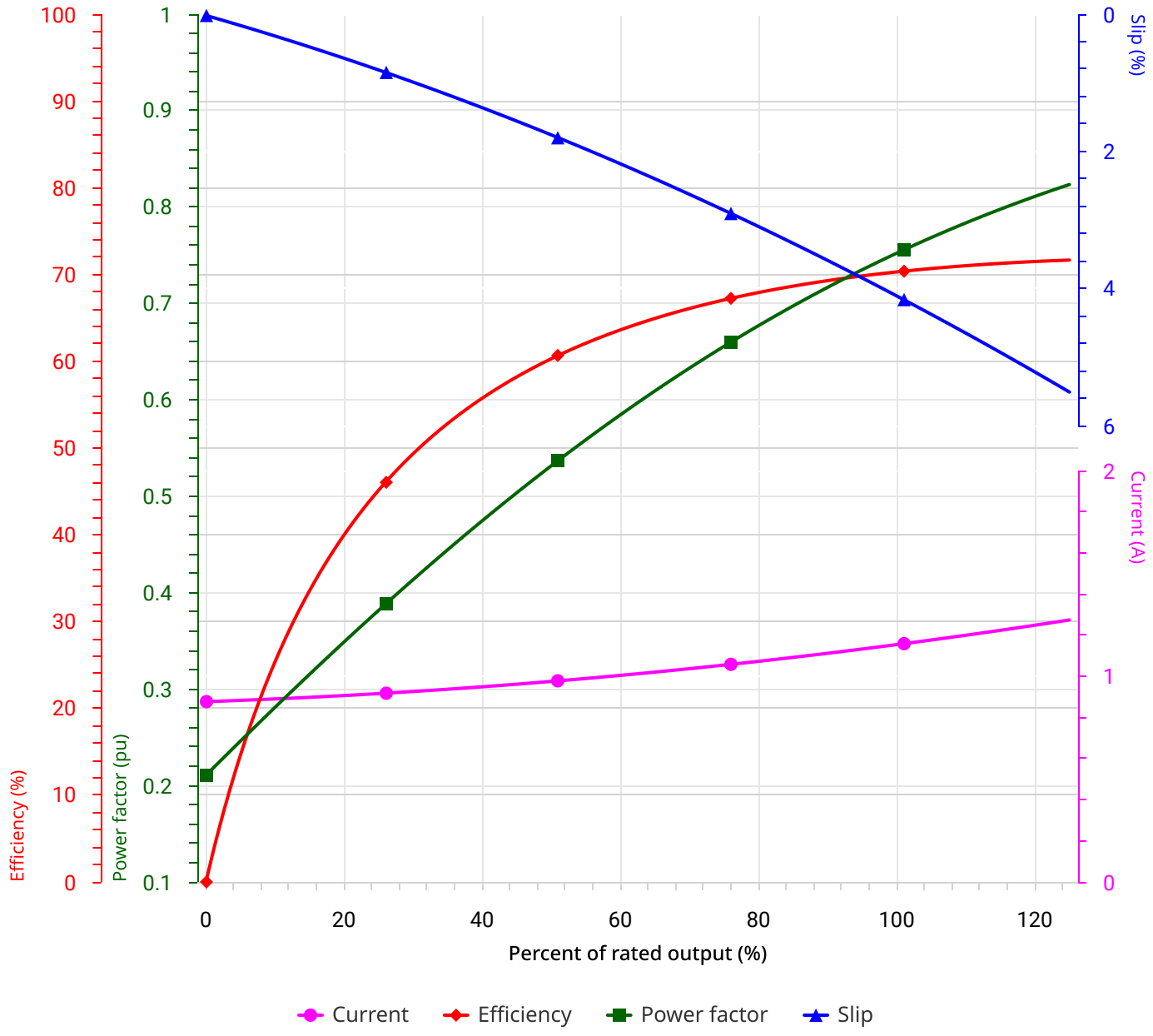
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Performance	: 0.33 HP (0.25 kW) 208/230/460V 60Hz 2P W56

Rated current	: 1.32/1.20/0.598 A	Moment of inertia (J)	: 0.0005 kgm²
LRC	: 5.9 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.069 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.35
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm		

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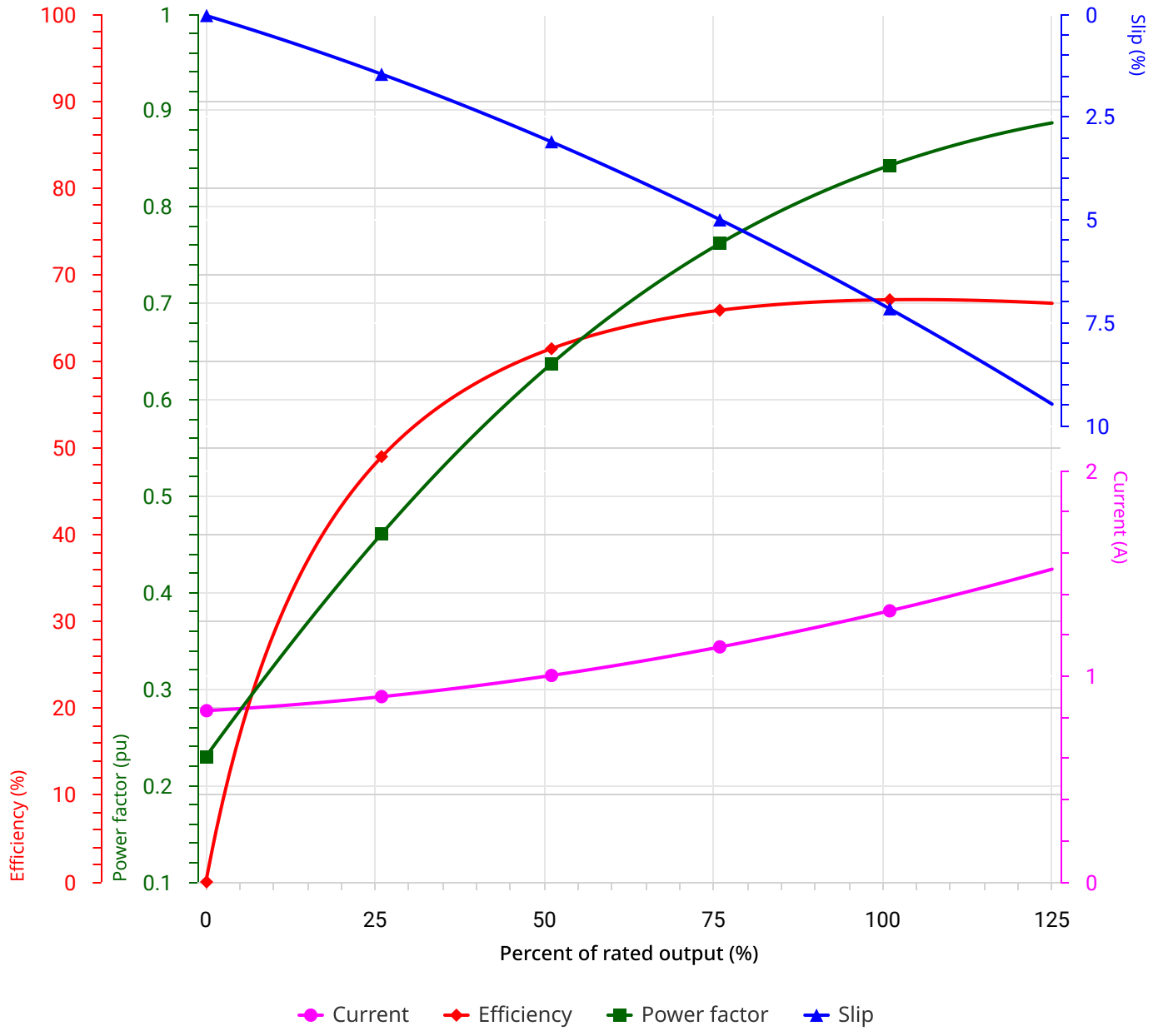
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Customer	:
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Performance	: 0.33 HP (0.25 kW) 190/380V 50Hz 2P W56

Rated current	: 1.35/0.675 A	Moment of inertia (J)	: 0.0005 kgm²
LRC	: 4.5 Code G	Duty cycle	: Cont.(S1)
Rated torque	: 0.086 kgfm	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.35
Breakdown torque	: 210 %	Temperature rise	: 80 K
Rated speed	: 2785 rpm		

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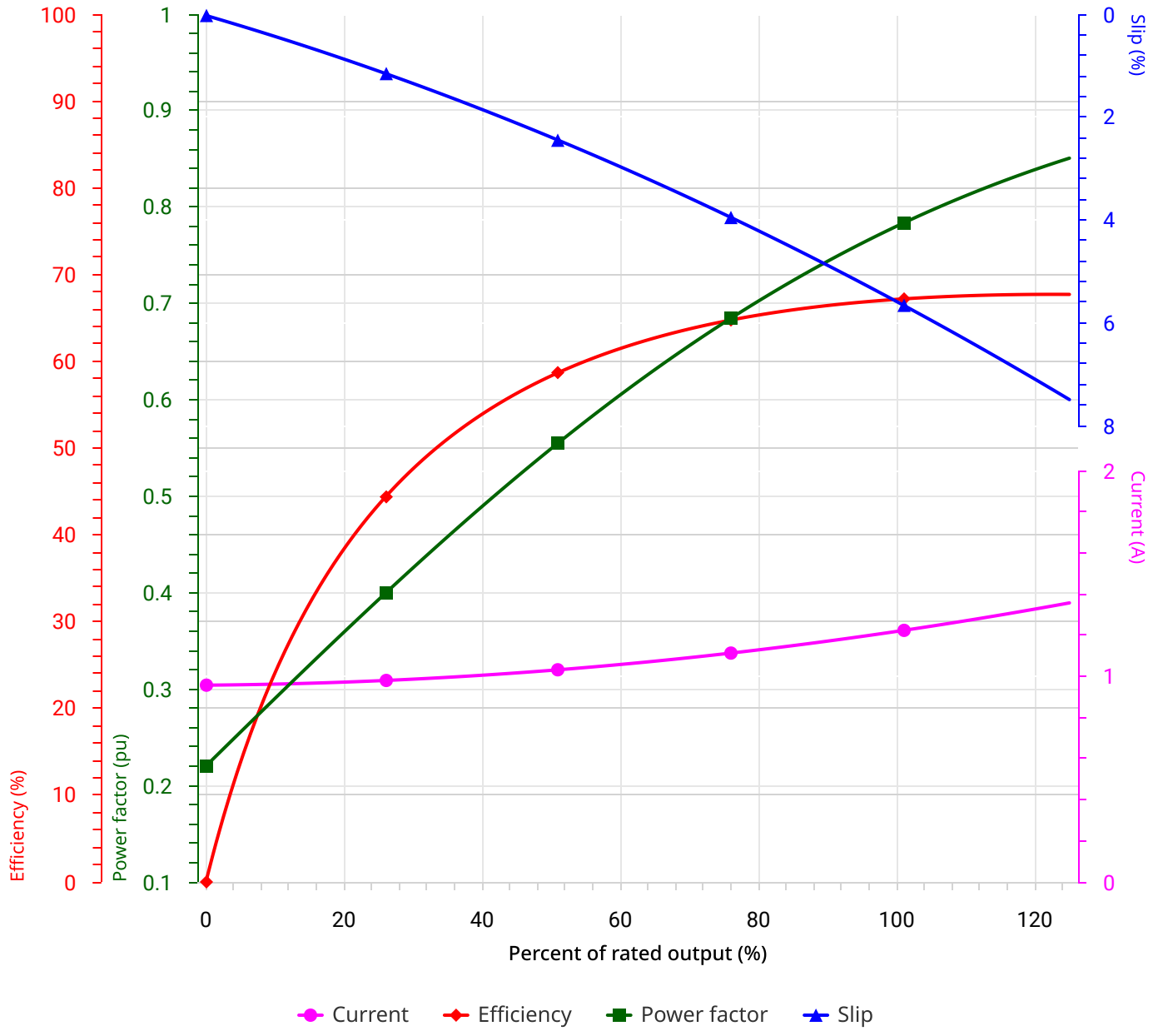
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Performance	: 0.33 HP (0.25 kW) 220/415V 50Hz 2P W56

Rated current	: 1.26/0.666 A	Moment of inertia (J)	: 0.0005 kgm²
LRC	: 5.0 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.085 kgfm	Insulation class	: F
Locked rotor torque	: 230 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 2830 rpm		

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