DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676956

Frame	: 213/5JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B34R(D)
Duty cycle	: S1	Rotation	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 1000 m	Approx. weight	: 64.4 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.0232 kgm²
Design	: B		

Output		15 HP (11 kW)	10 HP (7.5 kW)	10 HP (7.5 kW)
Poles		2	2	2
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		230/460 V	190/380 V	220/415 V
Rated current		35.2/17.6 A	30.2/15.1 A	28.3/15.0 A
L. R. Amperes		239/120 A	227/113 A	232/123 A
LRC		6.8 Code H	7.5 Code J	8.2 Code K
No load current		14.6/7.30 A	14.2/7.10 A	17.4/9.20 A
Rated speed		3525 rpm	2940 rpm	2950 rpm
Slip		2.08 %	2.00 %	1.67 %
Rated torque		3.09 kgfm	2.47 kgfm	2.46 kgfm
Locked rotor torque		230 %	260 %	310 %
Breakdown torque		280 %	330 %	400 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level		66 dB(A)	64 dB(A)	64 dB(A)
Locked rotor time		14 s (hot) 25 s (cold)	18 s (hot) 32 s (cold)	15 s (hot) 27 s (cold)
Efficiency (%)	50%	90.0	90.0	88.0
	75%	90.1	90.1	89.5
	100%	90.2	90.1	90.1
Power Factor	Start	0.55	0.62	0.64
	50%	0.72	0.66	0.54
	75%	0.82	0.78	0.68
	100%	0.87	0.84	0.77
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	6209-ZZ	6206-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Notes:

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

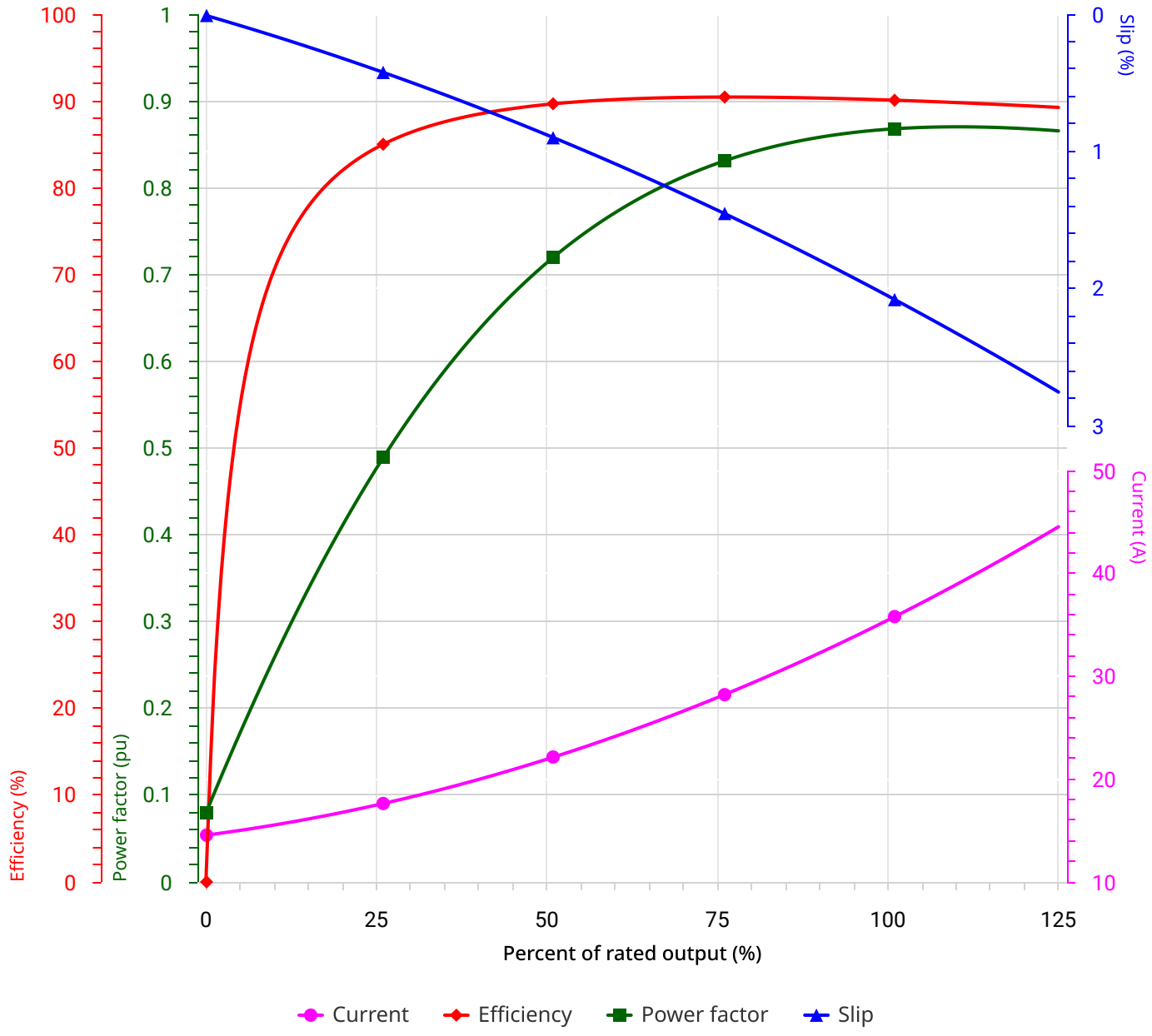
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LOAD PERFORMANCE CURVE

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Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676956



Performance	: 15 HP (11 kW) 208/230/460V 60Hz 2P 213/5JM

Rated current	: 38.0/35.2/17.6 A	Moment of inertia (J)	: 0.0232 kgm²
LRC	: 6.8 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 3.09 kgfm	Insulation class	: F
Locked rotor torque	: 230 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3525 rpm	Design	: B

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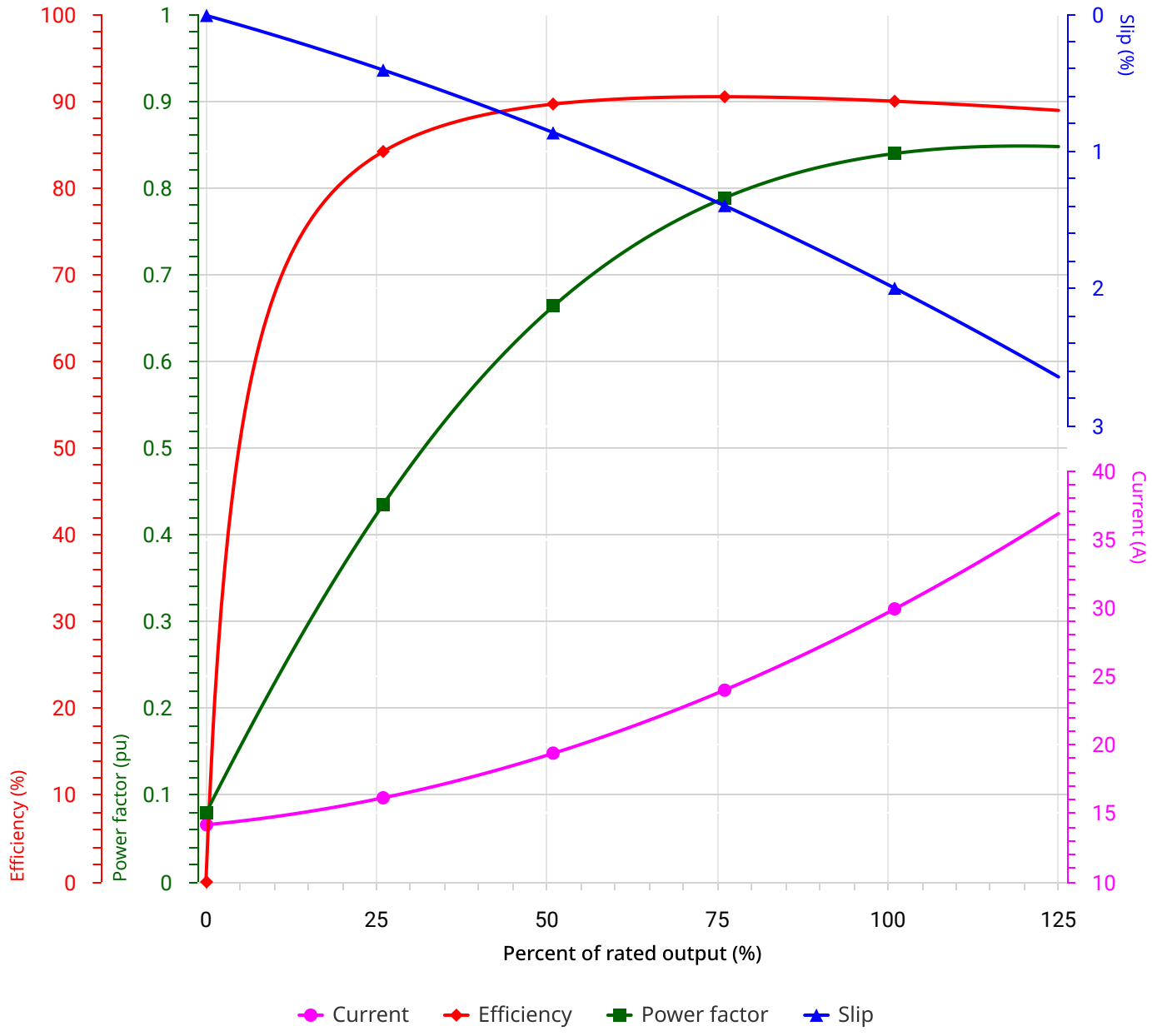
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Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676956



Performance	: 10 HP (7.5 kW) 190/380V 50Hz 2P 213/5JM

Rated current	: 30.2/15.1 A	Moment of inertia (J)	: 0.0232 kgm²
LRC	: 7.5 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 2.47 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

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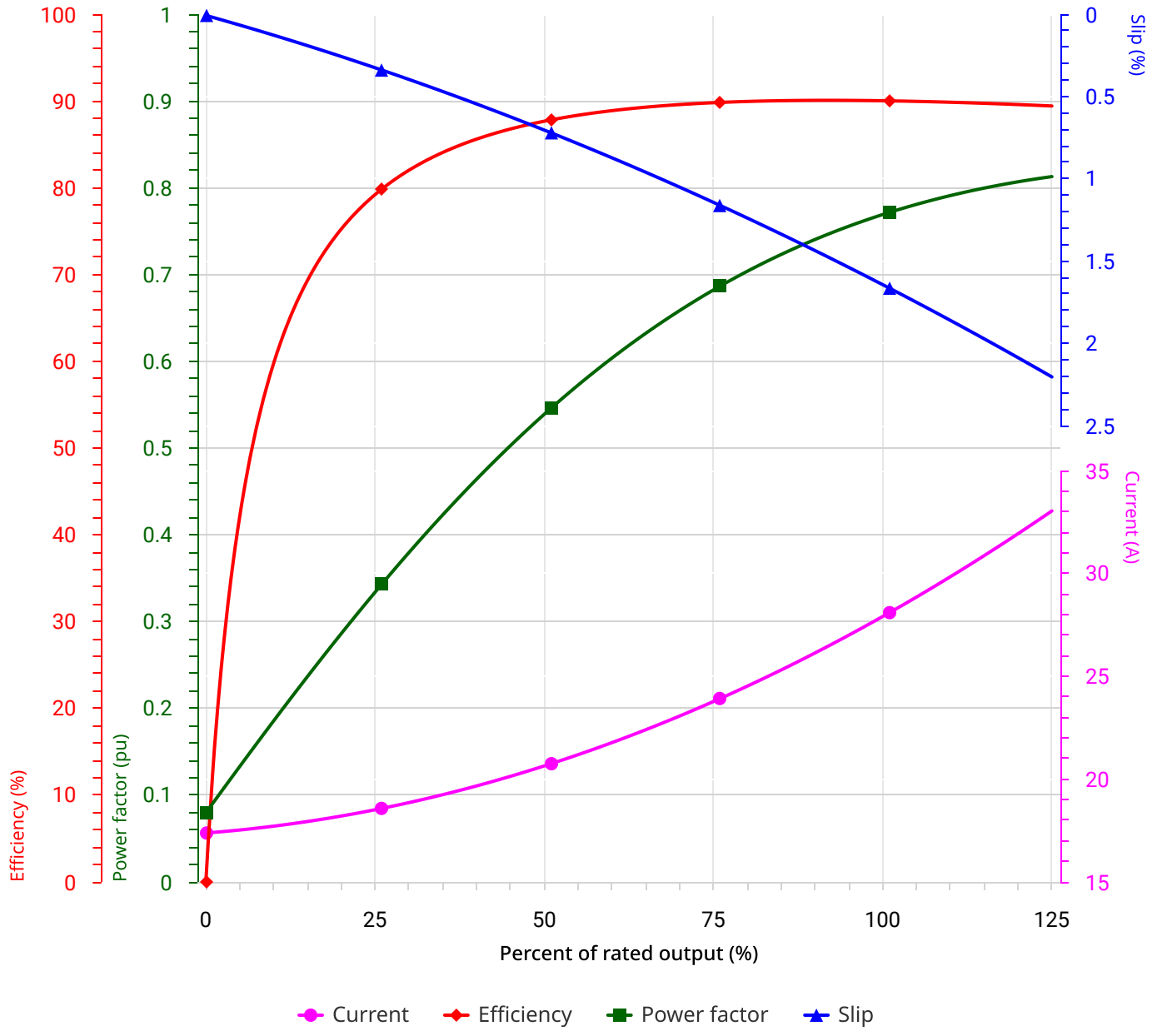
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Three Phase Induction Motor - Squirrel Cage

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Product code	: 12676956



Performance	: 10 HP (7.5 kW) 220/415V 50Hz 2P 213/5JM

Rated current	: 28.3/15.0 A	Moment of inertia (J)	: 0.0232 kgm²
LRC	: 8.2 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 2.46 kgfm	Insulation class	: F
Locked rotor torque	: 310 %	Service factor	: 1.15
Breakdown torque	: 400 %	Temperature rise	: 80 K
Rated speed	: 2950 rpm	Design	: B

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