DATA SHEET

Three Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676954

Frame	: 213/5	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	: 57.2 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.0196 kgm²
Design	: B		

Output		10 HP (7.5 kW)	7.5 HP (5.5 kW)	7.5 HP (5.5 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		24.8/12.4 A	22.6/11.3 A	21.1/11.2 A
L. R. Amperes		169/84.3 A	158/79.1 A	165/87.4 A
LRC		6.8 Code H	7.0 Code H	7.8 Code K
No load current		11.2/5.60 A	10.8/5.40 A	13.2/7.00 A
Rated speed		3535 rpm	2940 rpm	2950 rpm
Slip		1.81 %	2.00 %	1.67 %
Rated torque		2.05 kgfm	1.85 kgfm	1.85 kgfm
Locked rotor torque		200 %	230 %	280 %
Breakdown torque		280 %	300 %	370 %
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		22 s (hot) 40 s (cold)	26 s (hot) 47 s (cold)	21 s (hot) 38 s (cold)
Efficiency (%)	50%	88.5	89.0	87.0
	75%	89.5	89.2	88.9
	100%	89.5	89.2	89.5
Power Factor	Start	0.56	0.59	0.60
	50%	0.68	0.65	0.54
	75%	0.80	0.78	0.68
	100%	0.85	0.83	0.76
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

Performed by				
Checked by			Page	Revision
Date	2026/10/16		1/4	0

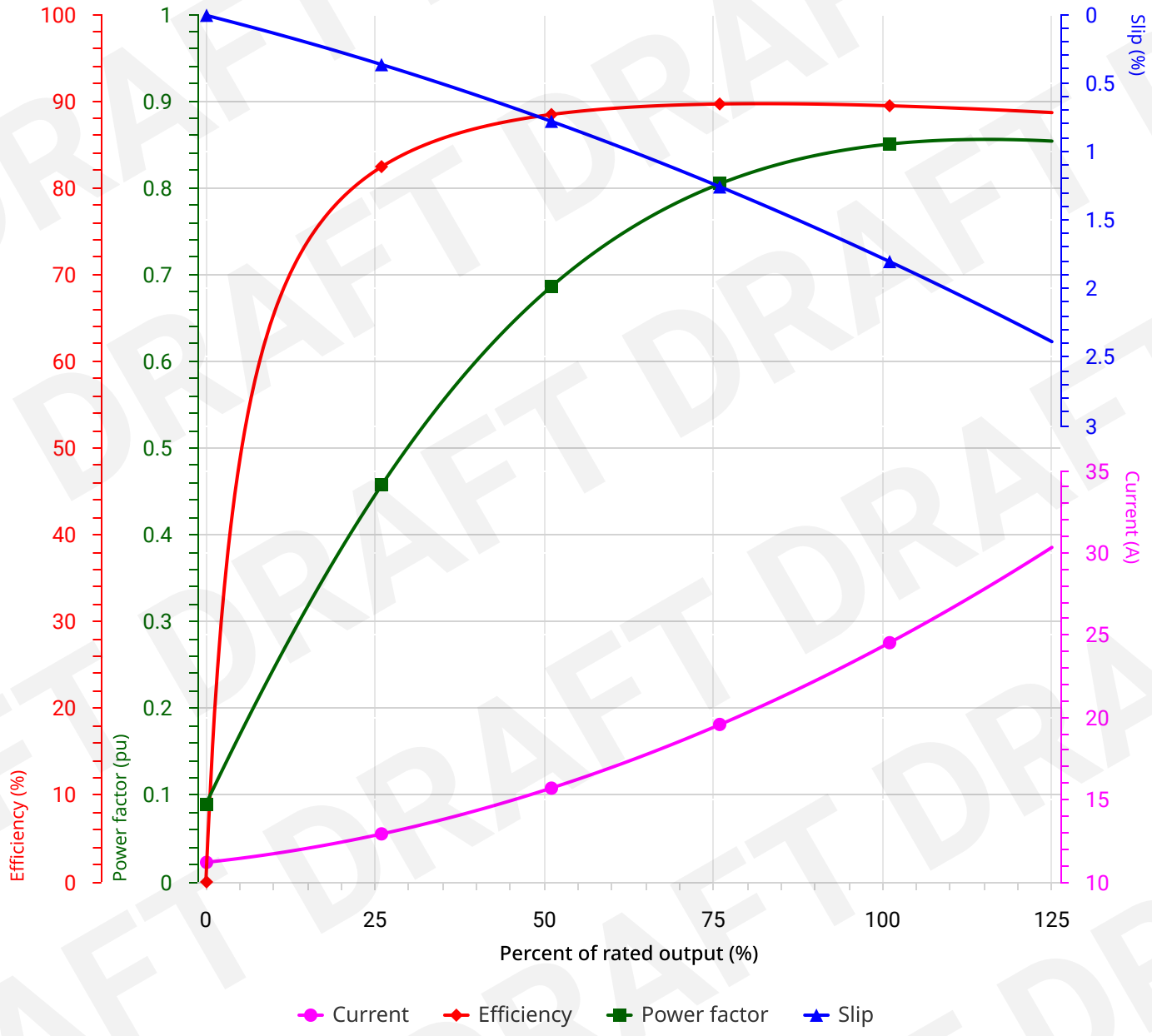
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Three Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676954



Performance	: 10 HP (7.5 kW) 208/230/460V 60Hz 2P 213/5

Rated current	: 26.5/24.8/12.4 A	Moment of inertia (J)	: 0.0196 kgm²
LRC	: 6.8 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 2.05 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

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Date	2026/10/16		2/4	0

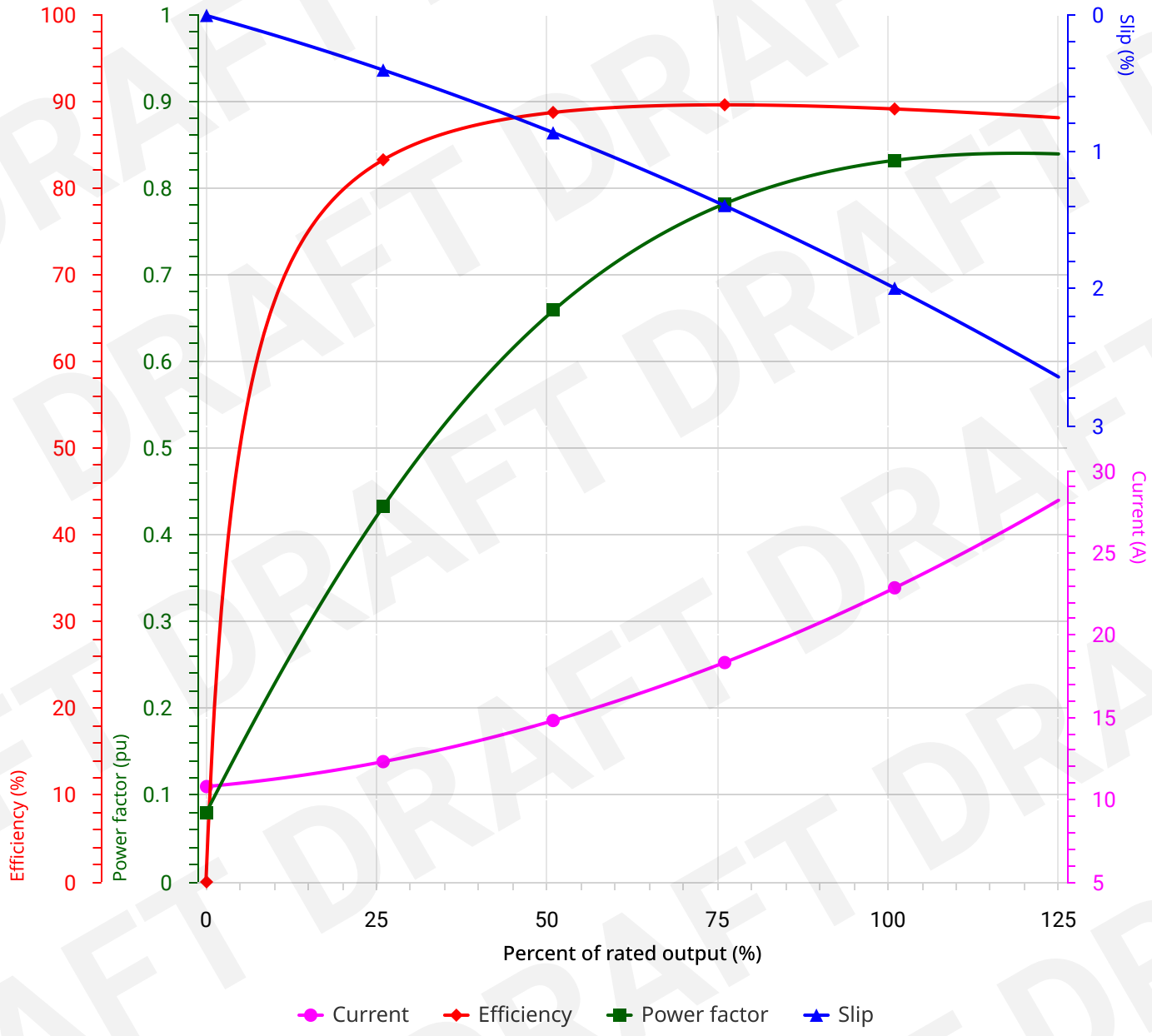
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PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676954



Performance	: 7.5 HP (5.5 kW) 190/380V 50Hz 2P 213/5

Rated current	: 22.6/11.3 A	Moment of inertia (J)	: 0.0196 kgm²
LRC	: 7.0 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 1.85 kgfm	Insulation class	: F
Locked rotor torque	: 230 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

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Date	2026/10/16		3/4	0

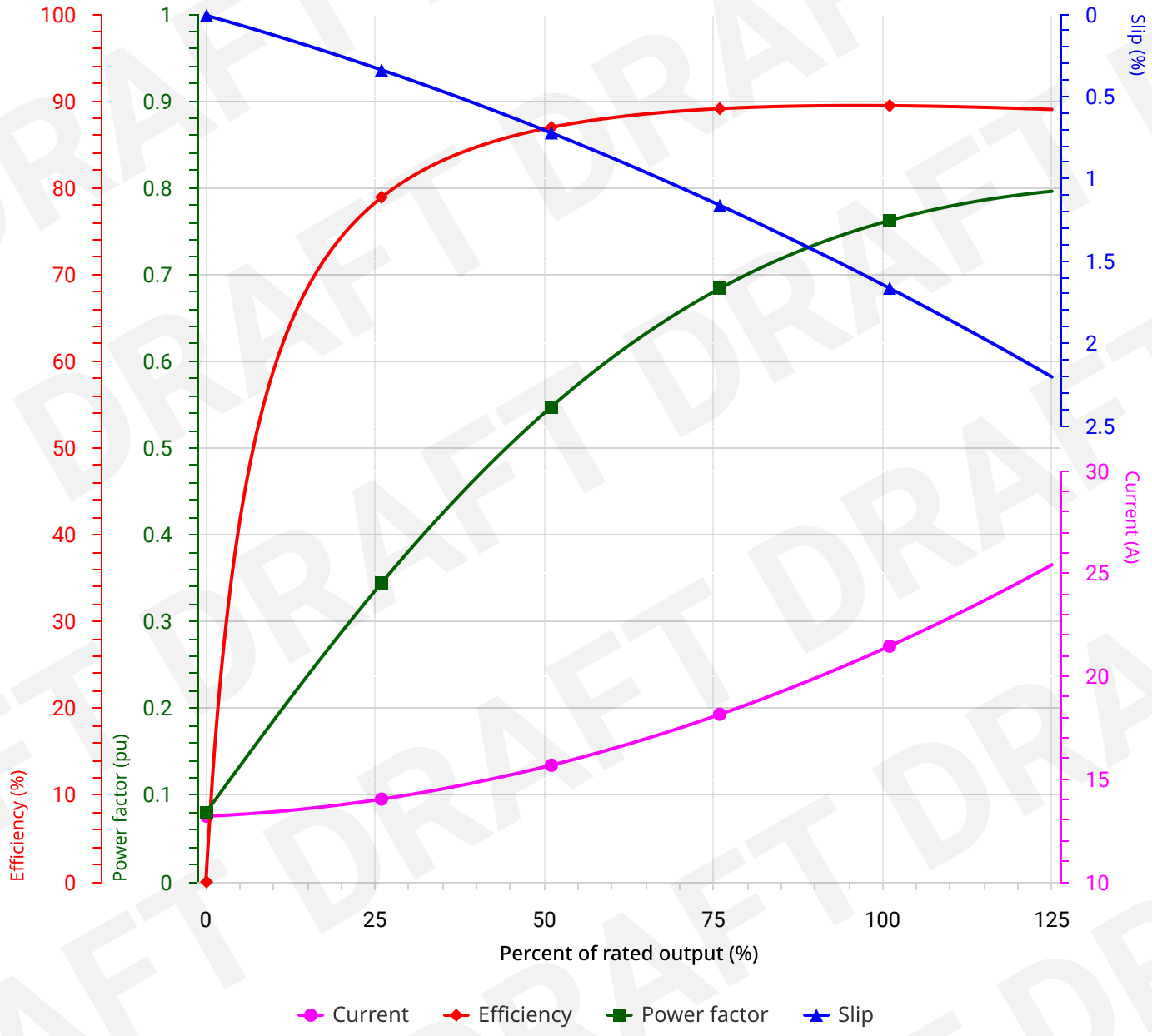
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PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - ODP - Nema Premium Efficiency JM Derating
Product code	: 12676954



Performance	: 7.5 HP (5.5 kW) 220/415V 50Hz 2P 213/5

Rated current	: 21.1/11.2 A	Moment of inertia (J)	: 0.0196 kgm²
LRC	: 7.8 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 1.85 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 2950 rpm	Design	: B

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Date	2026/10/16		4/4	0

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