DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Nema Premium Efficiency JM Derating
Product code	: 13374122

Frame	: 182/4JM	Cooling method	: IC411 - TEFC
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	: 35.1 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0118 kgm²
Design	: B		

Output		1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)
Poles		6	6	6
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		230/460 V	190/380 V	220/415 V
Rated current		4.44/2.22 A	5.18/2.59 A	4.70/2.49 A
L. R. Amperes		30.6/15.3 A	29.5/14.8 A	31.0/16.4 A
LRC		6.9 Code K	5.7 Code H	6.6 Code J
No load current		2.73/1.36 A	2.69/1.35 A	2.90/1.54 A
Rated speed		1170 rpm	955 rpm	965 rpm
Slip		2.50 %	4.50 %	3.50 %
Rated torque		0.930 kgfm	1.14 kgfm	1.13 kgfm
Locked rotor torque		240 %	190 %	250 %
Breakdown torque		340 %	260 %	330 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level		52 dB(A)	50 dB(A)	50 dB(A)
Locked rotor time		55 s (hot) 99 s (cold)	0 s (hot) 0 s (cold)	0 s (hot) 0 s (cold)
Efficiency (%)	50%	84.0	84.2	82.9
	75%	86.5	85.6	85.3
	100%	87.5	84.9	85.5
Power Factor	Start	0.52	0.55	0.58
	50%	0.50	0.58	0.51
	75%	0.63	0.70	0.63
	100%	0.71	0.76	0.72
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	6207-ZZ	6205-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Notes:

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

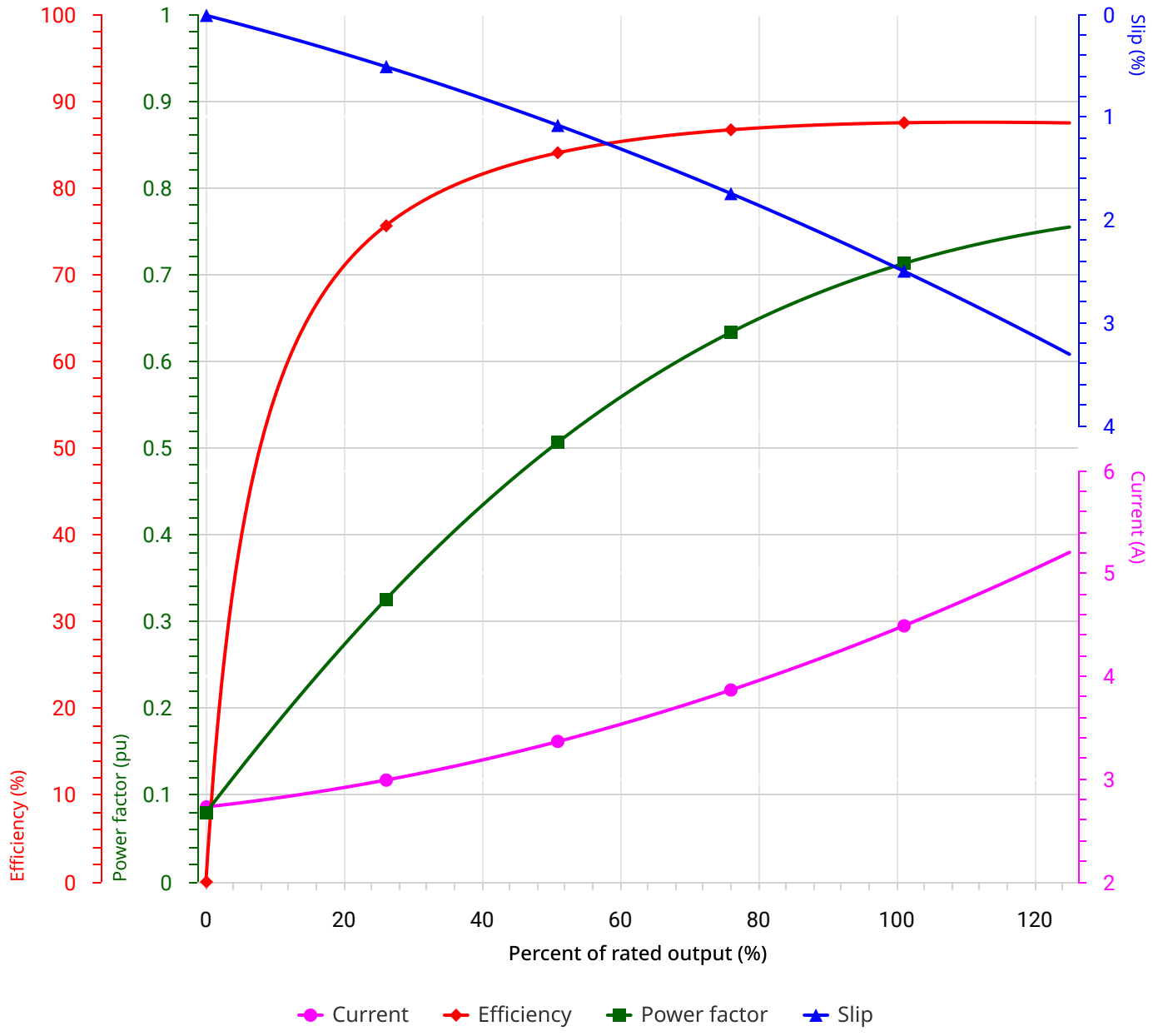
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LOAD PERFORMANCE CURVE

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Customer	:
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Product code	: 13374122



Performance	: 1.5 HP (1.1 kW) 208/230/460V 60Hz 6P 182/4JM

Rated current	: 4.91/4.44/2.22 A	Moment of inertia (J)	: 0.0118 kgm²
LRC	: 6.9 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.930 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 1170 rpm	Design	: B

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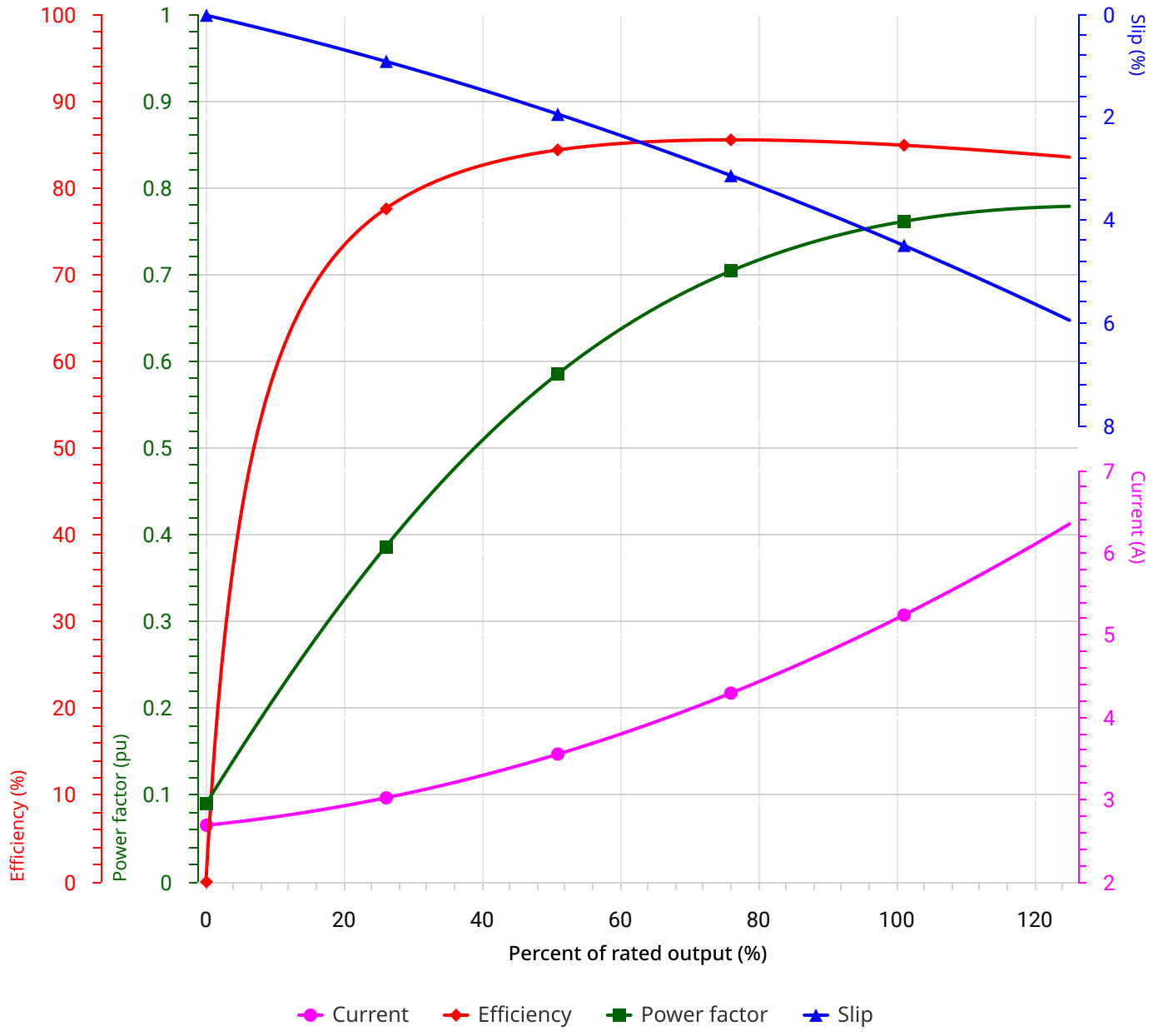
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Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - TEFC - Nema Premium Efficiency JM Derating
Product code	: 13374122



Performance	: 1.5 HP (1.1 kW) 190/380V 50Hz 6P 182/4JM

Rated current	: 5.18/2.59 A	Moment of inertia (J)	: 0.0118 kgm²
LRC	: 5.7 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 1.14 kgfm	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 955 rpm	Design	: B

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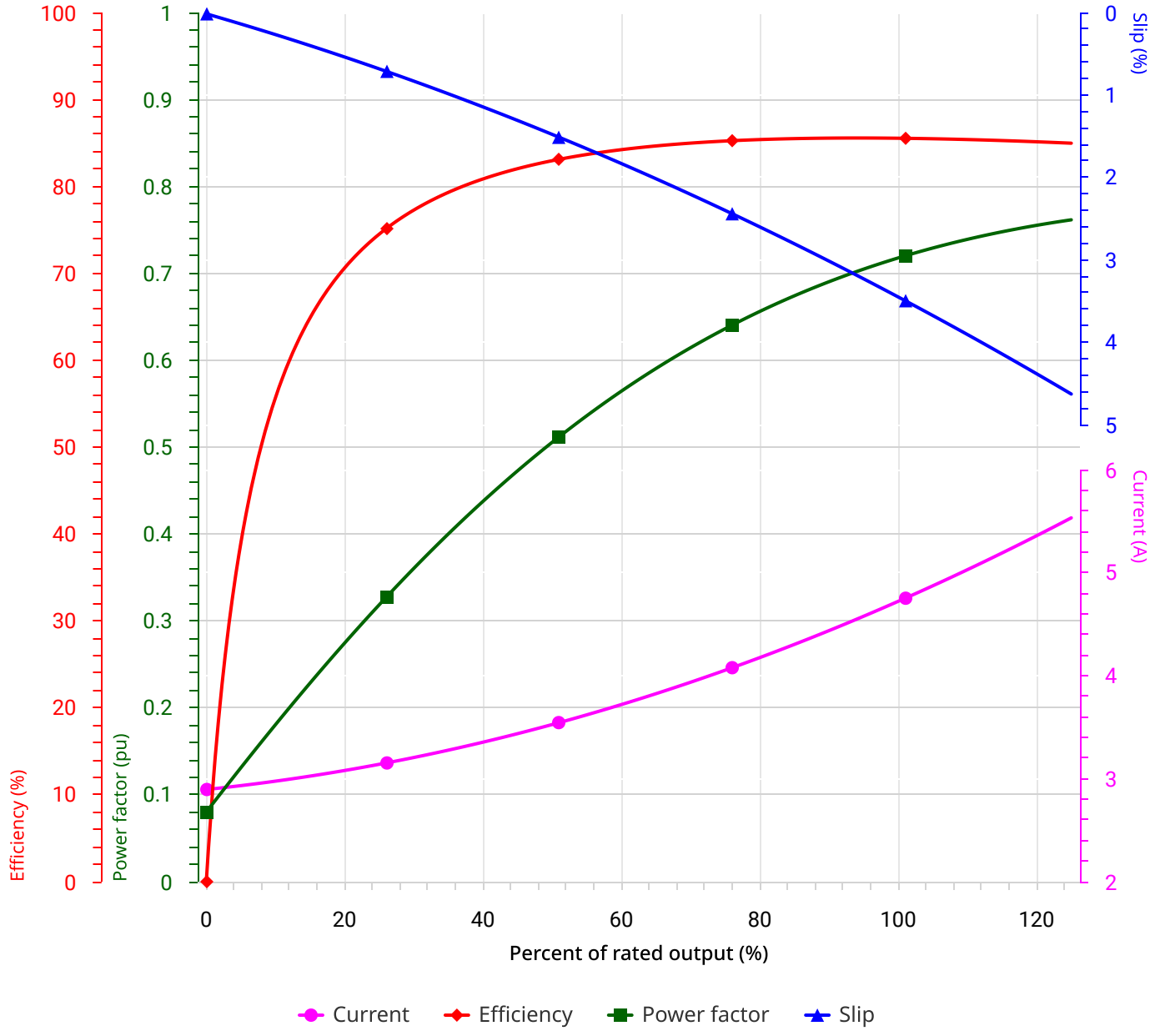
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Three Phase Induction Motor - Squirrel Cage

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Product code	: 13374122



Performance	: 1.5 HP (1.1 kW) 220/415V 50Hz 6P 182/4JM

Rated current	: 4.70/2.49 A	Moment of inertia (J)	: 0.0118 kgm²
LRC	: 6.6 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 1.13 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 965 rpm	Design	: B

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